1000931B

File: 541.460.000n
M.D.

THE MEMPHIS DEPOT
TENNESSEE

ADMINISTRATIVE RECORD
COVER SHEET

AR File Number 1000

Part II of III

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 318665

Customer Name E2MINC_436 E2M INC_436
Ticket Date 01/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 26030
Destination
PO
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# TT01 Volume
Container
Driver
Check#
Billing # 0000436
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	01/08/2008 11:06:53	Scale1	FRANCIS		Gross	80700 lb
Out	01/08/2008 11:06:53		FRANCIS		Tare	28400 lb
					Net	52300 lb
					Tons	26.15

Comments

CLOSE AT 2:00 PM ON JAN. 21st MARTIN LUTHER KING DAY

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	BURIED DRUMS & INC	100	26.15	Tons				SHE
2	TRT-TRANSPORTATION	100	26.15	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10009332

1000933

THE TUNICA LANDFILL
A WASTE MANAGEMENT COMPANY

NON-HAZARDOUS WASTE MANIFEST 26031

GENERATOR

Name of Generator: Memphis Defense Depot
Address: 1716 Dunn Ave
Memphis, TN 38114
Phone No.: (210) 635716
Waste ID. Code No.: 100705 MS

Waste Generation Location: TN4210070570
Address: TNHU053
Phone No.: (_____) _____

Special Handling Instructions and Additional Information: _____

Waste Management of Tunica, Landfill, Inc. Permit # SW-0720010459 Ticket Number: 318669 Customer Number: _____

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Buried Drums	20	☐ Pounds ☐ Tons ☒ Cu. Yd. ☐ Cu. Ft.	☐ Drum ☒ Truck ☐ Carton ☐ Box ☐ Bag ☐ Other: Volume:

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent _____ Signature _____ 1/18/08 Shipment Date

TRANSPORTER

Truck No.: 51
Transporter Name: Matthews Trucking
Address: _____

Transporter Phone No.: (_____) _____
Driver Name (print): _____
Vehicle License No./State: _____
Vehicle Certification: _____

With my signature, I certify that the above material was picked up at the Generator site listed above.

Signature _____ 1/18/08 Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature _____ 1/18/08 Delivery Date

DESTINATION

Site Name: Waste Management of Tunica Landfill, Inc.
Site Address: 6035 Bowdre Road Robinsonville, MS 38664
Phone No.: 1-877-989-2783
Time: _____

Discrepancies: _____

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

☐ Francis Boyd ☐ Tammy Red
Name _____ Signature _____ Receipt Date

White - LANDFILL Yellow - GENERATOR Pink - TRANSPORTER Goldenrod - CONTRACTOR

TOTAL TO DATE: 24.44

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 318669

Customer Name E2MINC_436 E2M INC_436
Ticket Date 01/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 26031
Destination
PO
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# S01 Volume
Container
Driver
Check#
Billing # 0000436
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	01/08/2008 11:18:13	Scale1	FRANCIS		Gross	80640 lb
Out	01/08/2008 11:18:13		FRANCIS		Tare	31760 lb
					Net	48880 lb
					Tons	24.44

Comments

CLOSE AT 2:00 PM ON JAN. 21st /MARTIN LUTHER KING DAY

Product		LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	BURIED DRUMS & INC	100	24.44	Tons				SHE
2	TRT-TRANSPORTATION	100	24.44	Tons				SHE

David Hall

Total Tax
Total Ticket

Driver's Signature

1000934

1000935

THE TUNICA LANDFILL
A WASTE MANAGEMENT COMPANY

NON-HAZARDOUS WASTE MANIFEST 26032

GENERATOR

Name of Generator: Memphis Distance Depot
Address: 1716 Dunn Ave
Memphis, Tn 38114
Phone No.: (210) 6359716
Waste ID. Code No.: 100709 MS

Waste Generation Location: TN4210070570
Address: TNTN053
Phone No.: (_____) _____

Special Handling Instructions and Additional Information: _____

Waste Management of Tunica, Landfill, Inc. Permit # SW-0720010459 Ticket Number: 318875 Customer Number: _____

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Buried Drums	2C	☐ Pounds ☐ Tons ☒ Cu. Yd. ☐ Cu. Ft.	☐ Drum ☒ Truck ☐ Carton ☐ Box ☐ Bag ☐ Other: Volume:

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

John Spence — Generator Authorized Agent
Signature
1,8,08 — Shipment Date

TRANSPORTER

Truck No.: 1104
Transporter Name: Matthews Trucking
Address: _____

Transporter Phone No.: (_____) _____
Driver Name (print): _____
Vehicle License No./State: _____
Vehicle Certification: _____

With my signature, I certify that the above material was picked up at the Generator site listed above.

Lawrence Scott 1,8,08
Signature TT04 Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature 1,8,08 Delivery Date

DESTINATION

Site Name: Waste Management of Tunica Landfill, Inc.
Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Phone No.: 1-877-989-2783
Time: _____

Discrepancies: _____

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

☐ Francis Boyd ☐ Tammy Red
Name

Signature
01,08,08 Receipt Date

White - LANDFILL Yellow - GENERATOR Pink - TRANSPORTER Goldenrod - CONTRACTOR

TOTAL TO DATE: 8712

WASTE MANAGEMENT

Tunica Landfill
6035 Boudre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 318675

Customer Name E2MINC_436 E2M INC_436
Ticket Date 01/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 26032
Destination
PO
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# TT04 Volume
Container
Driver
Check#
Billing # 0000436
Gen EPA ID

Time	Scale	Operator	Inbound		
11:31:26	Scale1	FRANCIS		Gross	83880 lb
11:31:26		FRANCIS		Tare	29640 lb
				Net	54240 lb
				Tons	27.12

CLOSE AT 2:00 PM ON JAN. 21st MARTIN LUTHER KING DAY

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	BURIED DRUMS & INC	100	27.12	Tons				SHE
2	TRT-TRANSPORTATION	100	27.12	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

1000936

1000937

THE TUNICA LANDFILL
A WASTE MANAGEMENT COMPANY
NON-HAZARDOUS WASTE MANIFEST 26033

GENERATOR

Name of Generator: Memphis Deluxe Dept
Address: 1716 River Area
Memphis, TN 38114
Phone No.: (210) 6399716
Waste ID. Code No.: 100709 MS

Waste Generation Location: TN4210070570
Address: TN HW053
Phone No.: (_____) _____

Special Handling Instructions and Additional Information: _____

Waste Management of Tunica, Landfill, Inc. Permit # SW-0720010459 Ticket Number: 318661 Customer Number: _____

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Buried Drum RTO1	26	☐ Pounds ☐ Tons ☑ Cu. Yd. ☐ Cu. Ft.	☐ Drum ☑ Truck ☐ Carton ☐ Box ☐ Bag ☐ Other: Volume:

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

John Sparks — Generator Authorized Agent
Signature
1 18 108 — Shipment Date

TRANSPORTER

Truck No.: RTO1
Transporter Name: Matthews Trucking
Address: _____

Transporter Phone No.: (_____) _____
Driver Name (print): _____
Vehicle License No./State: _____
Vehicle Certification: _____

With my signature, I certify that the above material was picked up at the Generator site listed above.

Floyd Thornburg 1 18 108
Signature — Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Floyd Thornburg 1 18 108
Signature — Delivery Date

DESTINATION

Site Name: Waste Management of Tunica Landfill, Inc.
Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Phone No.: 1-877-989-2783
Time: _____

Discrepancies: _____

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

☐ Francis Boyd ☐ Tammy Red — Name
Francis Boyd — Signature
01 18 108 — Receipt Date

White - LANDFILL Yellow - GENERATOR Pink - TRANSPORTER Goldenrod - CONTRACTOR

TOTAL TO DATE: 31.29

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 318661

Customer Name E2MINC_435 E2M INC_436
Ticket Date 01/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 26033
Destination
PO
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT01 Volume
Container
Driver
Check#
Billing # 0000436
Gen EPA ID

		Scale	Operator	Inbound		
[illegible]	10:55:18	Scale1	FRANCIS		Gross	92220 lb
[illegible]	10:55:18		FRANCIS		Tare	29640 lb
					Net	62580 lb
					Tons	31.29

CLOSE AT 2:00 PM ON JAN. 21st MARTIN LUTHER KING DAY

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	BURIED DRUMS & INC	100	31.29	Tons				SHE
2	TRT-TRANSPORTATION	100	31.29	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

100609938

1000939

THE TUNICA LANDFILL
A WASTE MANAGEMENT COMPANY

NON-HAZARDOUS WASTE MANIFEST 26034

GENERATOR

Name of Generator: Memphis Defense Depot
Address: 1716 Dunn Ave
Memphis, TN 38114
Phone No.: (210) 6799716
Waste ID. Code No.: 100709MS

Waste Generation Location: TN 4210070870
Address: TN Hwy 053
Phone No.: (_____) _____

Special Handling Instructions and Additional Information: _____

Waste Management of Tunica, Landfill, Inc. Permit # SW-0720010459 Ticket Number: 378644 Customer Number: _____

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Buried Drums	1C	☐ Pounds ☐ Tons ☒ Cu. Yd. ☐ Cu. Ft.	☐ Drum ☒ Truck ☐ Carton ☐ Box ☐ Bag ☐ Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261, or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

John Sperry — Generator Authorized Agent
Signature
1/8/08 — Shipment Date

TRANSPORTER

Truck No.: TT02
Transporter Name: Matthews Trucking
Address: _____

Transporter Phone No.: (_____) _____
Driver Name (print): _____
Vehicle License No./State: _____
Vehicle Certification: _____

With my signature, I certify that the above material was picked up at the Generator site listed above.
Signature — 1/8/08 Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.
Signature — 1/8/08 Delivery Date

DESTINATION

Site Name: Waste Management of Tunica Landfill, Inc.
Site Address: 6035 Bowdre Road Robinsonville, MS 38664
Phone No.: 1-877-989-2783
Time: _____
Discrepancies: _____

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

☐ Francis Boyd ☐ Tammy Red
Name
Signature
01/10/08 Receipt Date

White - LANDFILL Yellow - GENERATOR Pink - TRANSPORTER Goldenrod - CONTRACTOR

TOTAL TO DATE: 30.30

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 318644

Customer Name E2MINC_436 E2M INC_436
Ticket Date 01/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 26034
Destination
PO
[illegible]
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# TT02 Volume
Container
Driver
Check#
Billing # 0000436
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	01/08/2008 09:41:37	Scale1	FRANCIS		Gross	89420 lb
Out	01/08/2008 09:41:37		FRANCIS		Tare	28640 lb
					Net	60780 lb
					Tons	30.39

Comments

CLOSE AT 2:00 PM ON JAN. 21st MARTIN LUTHER KING DAY

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	BURIED DRUMS & INC	100	30.39	Tons				SHE
2	TRT-TRANSPORTATION	100	30.39	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

I0009940

1000941

THE TUNICA LANDFILL
A WASTE MANAGEMENT COMPANY

NON-HAZARDOUS WASTE MANIFEST 26035

GENERATOR

Name of Generator: Memphis Defense Depot
Address: 1716 Donn Ave
Memphis, TN 38114
Phone No.: (210) 6249716
Waste ID. Code No.: 100709 MS

Waste Generation Location: TN4210070870
Address: TNHU053
Phone No.: (_____) _____

Special Handling Instructions and Additional Information: _____

Waste Management of Tunica, Landfill, Inc. Permit # SW-0720010459 Ticket Number: 378646 Customer Number: _____

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Buried Drums	26	☐ Pounds ☐ Tons ☑ Cu. Yd. ☐ Cu. Ft.	☐ Drum ☑ Truck ☐ Carton ☐ Box ☐ Bag ☐ Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

John Sperry — Generator Authorized Agent
Signature
1/8/08 — Shipment Date

TRANSPORTER

Truck No.: 1704
Transporter Name: Matthews Trucking
Address: _____

Transporter Phone No.: (_____) _____
Driver Name (print): _____
Vehicle License No./State: _____
Vehicle Certification: _____

With my signature, I certify that the above material was picked up at the Generator site listed above.

Lawrence Scott — Signature
1/8/08 — Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature
1/8/08 — Delivery Date

DESTINATION

Site Name: Waste Management of Tunica Landfill, Inc.
Phone No.: 1-877-989-2783
Site Address: 6035 Bowdre Road Robinsonville, MS 38664
Time: _____

Discrepancies: _____

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

☐ Francis Boyd ☐ Tammy Red — Name
Signature
01/08/08 — Receipt Date

White - LANDFILL Yellow - GENERATOR Pink - TRANSPORTER Goldenrod - CONTRACTOR

TOTAL TO DATE: 30.86

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 318646

Customer Name E2MINC_436 E2M INC_436
Ticket Date 01/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 26035
Destination
PO
Profile 100709HS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# TT04 Volume
Container
Driver
Check#
Billing # 0000436
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	01/08/2008 09:47:42	Scale1	FRANCIS		Gross	91360 lb
Out	01/08/2008 09:47:42		FRANCIS		Tare	29640 lb
					Net	61720 lb
					Tons	30.86

Comments

CLOSE AT 2:00 PM ON JAN. 21st MARTIN LUTHER KING DAY

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	BURIED DRUMS & INC	100	30.86	Tons				SHE
2	TRT-TRANSPORTATION	100	30.86	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

1000942

1000943

THE TUNICA LANDFILL
A WASTE MANAGEMENT COMPANY

NON-HAZARDOUS WASTE MANIFEST 25036

GENERATOR

Name of Generator: Memphis Defense Depot
Address: 1716 Dunn Ave
Memphis, TN 38114
Phone No.: (210) 6399716
Waste ID Code No.: 100709 115

Waste Generation Location: TN 4210070 5,70
Address: TNHW 053
Phone No.: (_____) _____

Special Handling Instructions and Additional Information: _____

Waste Management of Tunica, Landfill, Inc. Permit # SW-0720010459 Ticket Number: 318636 Customer Number: _____

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Buried Drums RTO1	26	☐ Pounds ☐ Tons ☑ Cu. Yd. ☐ Cu. Ft.	☐ Drum ☑ Truck ☐ Carton ☐ Box ☐ Bag ☐ Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

John Spencer — Generator Authorized Agent
Signature
1/18/08 — Shipment Date

TRANSPORTER

Truck No.: RTO1
Transporter Name: Matthews Trucking
Address: _____

Transporter Phone No.: (_____) _____
Driver Name (print): _____
Vehicle License No./State: _____
Vehicle Certification: _____

With my signature, I certify that the above material was picked up at the Generator site listed above.

T. Lockhart Thornburg 1/18/08
Signature — Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

T. Lockhart Thornburg 1/18/08
Signature — Delivery Date

DESTINATION

Site Name: Waste Management of Tunica Landfill, Inc.
Site Address: 6035 Bowdre Road Robinsonville, MS 38664
Phone No.: 1-877-989-2783
Time: _____
Discrepancies: _____

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

☐ Francis Boyd ☐ Tammy Red
Name

Francis Boyd
Signature

01/10/08
Receipt Date

White - LANDFILL Yellow - GENERATOR Pink - TRANSPORTER Goldenrod - CONTRACTOR

TOTAL TO DATE: 29.57

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 318636

Customer Name E2MINC_436 E2M INC_436
Ticket Date 01/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 26036
Destination
PO
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT01
Container
Driver
Check#
Billing # 0000436
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound	Gross	88800 lb
In	01/08/2008 09:16:32	Scale1	TAMMY		Tare	29640 lb
Out	01/08/2008 09:16:32		TAMMY		Net	59160 lb
					Tons	29.58

Comments

CLOSE AT 2:00 PM ON JAN. 21st MARTIN LUTHER KING DAY

Product		LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	BURIED DRUMS & INC	100	29.58	Tons				SHE
2	TRT-TRANSPORTATION	100	29.58	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

1000944

1000945

THE TUNICA LANDFILL
A WASTE MANAGEMENT COMPANY
NON-HAZARDOUS WASTE MANIFEST 26037

GENERATOR

Name of Generator: Memphis Defense Depot
Address: 1716 Dean Ave
Memphis, TN 38114
Phone No.: (210) 6399716
Waste ID. Code No.: 100709 NS

Waste Generation Location: TN 4710070570
Address: TNHW053
Phone No.: (_____) _____

Special Handling Instructions and Additional Information: _____

Waste Management of Tunica, Landfill, Inc. Permit # SW-0720010459 Ticket Number: 313641 Customer Number: _____

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Buried Drums	26	☐ Pounds ☐ Tons ☒ Cu. Yd. ☐ Cu. Ft.	☐ Drum ☒ Truck ☐ Carton ☐ Box ☐ Bag ☐ Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

John Spence — Generator Authorized Agent
Signature
1 18 08 — Shipment Date

TRANSPORTER

Truck No.: TT01
Transporter Name: Matthews Trucking
Address: _____

Transporter Phone No.: (_____) _____
Driver Name (print): _____
Vehicle License No./State: _____
Vehicle Certification: _____

With my signature, I certify that the above material was picked up at the Generator site listed above.

Signature — 1 8 08 Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature — 1 8 08 Delivery Date

DESTINATION

Site Name: Waste Management of Tunica Landfill, Inc.
Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Phone No.: 1-877-989-2783
Time: _____

Discrepancies: _____

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

☐ Francis Boyd ☐ Tammy Red
Name

Signature

1 10 08 — Receipt Date

White - LANDFILL Yellow - GENERATOR Pink - TRANSPORTER Goldenrod - CONTRACTOR

TOTAL TO DATE: 27.77

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 318641

Customer Name E2MINC_436 E2M INC_436
Ticket Date 01/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 26037
Destination
PO
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# TT01 Volume
Container
Driver
Check#
Billing # 0000436
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	01/08/2008 09:29:29	Scale1	FRANCIS		Gross	87500 lb
Out	01/08/2008 09:29:29		FRANCIS		Tare	28400 lb
					Net	59100 lb
					Tons	29.55

Comments

CLOSE AT 2:00 PM ON JAN. 21st MARTIN LUTHER KING DAY

	Product	LDx	Qty	UOM	Rate	Tax	Amount	Origin
1	BURIED DRUMS & INC 100		29.55	Tons				SHE
2	TRT-TRANSPORTATION 100		29.55	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10009946

3 4000947

THE TUNICA LANDFILL
A WASTE MANAGEMENT COMPANY
NON-HAZARDOUS WASTE MANIFEST

26038

GENERATOR

Name of Generator: Memphis Defense Depot

Address: 1776 Donn Ave
Memphis TN 38114

Phone No.: (210) 6349716

Waste ID. Code No.: 100704 MS

Waste Generation Location: TN4210070570

Address: TNHW053

Phone No.: (_____) _____

Special Handling Instructions and Additional Information: _____

Waste Management of Tunica, Landfill, Inc. Permit # SW-0720010459 Ticket Number: 378643 Customer Number: _____

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Buried Drums	26	☐ Pounds ☐ Tons ☑ Cu. Yd. ☐ Cu. Ft.	☐ Drum ☑ Truck ☐ Carton ☐ Box ☐ Bag ☐ Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

John Searcy
Generator Authorized Agent

Signature

1,8,08
Shipment Date

TRANSPORTER

Truck No.: 51

Transporter Name: McMahan Trucking

Address: _____

Transporter Phone No.: (_____) _____

Driver Name (print): _____

Vehicle License No./State: _____

Vehicle Certification: _____

With my signature, I certify that the above material was picked up at the Generator site listed above.

Signature

1,8,08
Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature

1,8,08
Delivery Date

DESTINATION

Site Name: Waste Management of Tunica Landfill, Inc.

Site Address: 6035 Bowdre Road Robinsonville, MS 38664

Phone No.: 1-877-989-2783

Time: _____

Discrepancies: _____

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

☐ Francis Boyd ☐ Tammy Rod
Name

Signature

01/08/08
Receipt Date

White - LANDFILL Yellow - GENERATOR Pink - TRANSPORTER Goldenrod - CONTRACTOR

TOTAL TO DATE: 2617

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 318643

Customer Name E2MINC_436 E2M INC_436
Ticket Date 01/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 26038
Destination
PO -
Profile 10070945 (BURNED DRUMS)
Generator 101-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# S01 Volume
Container
Driver
Check#
Billing # 0000436
Gen EPA ID

	Time	Scale	Operator	Inbound	Gross	84100 lb
In	01/08/2008 09:33:17	Scale1	FRANCIS		Tare	31760 lb
Out	01/08/2008 09:33:17		FRANCIS		Net	52340 lb
					Tons	26.17

Comments

CLOSE AT 2:00 PM ON JAN. 21st MARTIN LUTHER KING DAY

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	BURIED DRUMS & INC	100	26.17	Tons				SHE
2	TRT-TRANSPORTATION	100	26.17	Tons				SHE

David Hall

Total Tax
Total Ticket

Driver's Signature

100948

1000949
4PR0001

THE TUNICA LANDFILL
A WASTE MANAGEMENT COMPANY
NON-HAZARDOUS WASTE MANIFEST 26039

GENERATOR

Name of Generator: Memphis Defense Depot
Address: 7116 Dunn Ave
Memphis, TN 38114
Phone No.: (210) 6399716
Waste ID. Code No.: 100709MS

Waste Generation Location: TN4210070870
Address: TN HWY 053
Phone No.: (_____) _____

Special Handling Instructions and Additional Information: _____

Waste Management of Tunica, Landfill, Inc. Permit # SW-0720010459 Ticket Number: 218653 Customer Number: _____

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Buried Drums	26	☐ Pounds ☐ Tons ☑ Cu. Yd. ☐ Cu. Ft.	☐ Drum ☑ Truck ☐ Carton ☐ Box ☐ Bag ☐ Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

John Spencer — Generator Authorized Agent
Signature
1/8/08 — Shipment Date

TRANSPORTER

Truck No.: TT03
Transporter Name: McAbee Trucking
Address: _____

Transporter Phone No.: (_____) _____
Driver Name (print): _____
Vehicle License No./State: _____
Vehicle Certification: _____

With my signature, I certify that the above material was picked up at the Generator site listed above.

E.D. Jack — Signature
1/8/07 — Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

E.D. Jack — Signature
1/8/07 — Delivery Date

DESTINATION

Site Name: Waste Management of Tunica Landfill, Inc.
Site Address: 6035 Bowdre Road Robinsonville, MS 38664
Phone No.: 1-877-989-2783
Time: _____

Discrepancies: _____

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

☐ Francis Boyd ☐ Tammy Red — Name
Signature
01/08/08 — Receipt Date

White - LANDFILL Yellow - GENERATOR Pink - TRANSPORTER Goldenrod - CONTRACTOR

TOTAL TO DATE: 27.63

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 318653

Customer Name E2MINC_436 E2M INC_436
Ticket Date 01/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 26039
Destination
PO
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# TT03 Volume
Container
Driver
Check#
Billing # 0000436
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	01/08/2008 10:13:18	Scale1	FRANCIS		Gross	84200 lb
Out	01/08/2008 10:13:18		FRANCIS		Tare	28940 lb
					Net	55260 lb
					Tons	27.63

Comments

CLOSE AT 2:00 PM ON JAN. 21st MARTIN LUTHER KING DAY

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	BURIED DRUMS & INC	100	27.63	Tons				SHE
2	TRT-TRANSPORTATION	100	27.63	Tons				SHE

Total Tax
Total Ticket

Driver's Signature E. D. Jack

403WM

0540000850

1000951

THE TUNICA LANDFILL
A WASTE MANAGEMENT COMPANY

NON-HAZARDOUS WASTE MANIFEST 25040

GENERATOR

Name of Generator: Memphis Defense Depot
Address: 1716 Dunn Ave
Memphis, TN 38114
Phone No.: (210) 6394716
Waste ID. Code No.: 100709 MS

Waste Generation Location: TN42100 70570
Address: TN1053
Phone No.: (_____) _____

Special Handling Instructions and Additional Information: _____

Waste Management of Tunica, Landfill, Inc. Permit # SW-0720010459 Ticket Number: 318020 Customer Number: _____

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Buried Drums	26	☐ Pounds ☐ Tons ☑ Cu. Yd. ☐ Cu. Ft.	☐ Drum ☒ Truck ☐ Carton ☐ Box ☐ Bag ☐ Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Jake Spears — Generator Authorized Agent
Signature
1,5,08 — Shipment Date

TRANSPORTER

Truck No.: RT02
Transporter Name: A. Hill Trucking Co
Address: _____

Transporter Phone No.: (_____) _____
Driver Name (print): _____
Vehicle License No./State: _____
Vehicle Certification: _____

With my signature, I certify that the above material was picked up at the Generator site listed above.

Neil Bolen 1,8,08
Signature — Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature — 1,8,08 Delivery Date

DESTINATION

Site Name: Waste Management of Tunica Landfill, Inc.
Site Address: 6035 Bowdre Road Robinsonville, MS 38664
Phone No.: 1-877-989-2783
Time: _____

Discrepancies: _____

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

☐ Francis Boyd ☒ Tammy Red
Name

Tammy Reed 1,8,08
Signature — Receipt Date

White - LANDFILL Yellow - GENERATOR Pink - TRANSPORTER Goldenrod - CONTRACTOR

TOTAL TO DATE: 26.99

WASTE MANAGEMENT

Tunica Landfill
6035 Boudre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 318620

Customer Name E2MINC_436 E2M INC_436
Ticket Date 01/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 26040
Destination
PO
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT02 Volume
Container
Driver
Check#
Billing # 0000436
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	01/08/2008 08:15:31	Scale1	TAMMY		Gross	84540 lb
Out	01/08/2008 08:15:31		TAMMY		Tare	30560 lb
					Net	53980 lb
					Tons	26.99

Comments

CLOSE AT 2:00 PM ON JAN. 21st MARTIN LUTHER KING DAY

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	BURIED DRUMS & INC	100	26.99	Tons				SHE
2	TRT-TRANSPORTATION	100	26.99	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

1000952

1000553

THE TUNICA LANDFILL
A WASTE MANAGEMENT COMPANY
NON-HAZARDOUS WASTE MANIFEST 26041

GENERATOR

Name of Generator: Memphis Defense Depot
Address: 1716 Dunn Ave
Memphis, TN 38114
Phone No.: (210) 6399716
Waste ID. Code No.: 100709 MS

Waste Generation Location: TN4210070570
Address: TN HU 053
Phone No.: (_____) _____

Special Handling Instructions and Additional Information: _____

Waste Management of Tunica, Landfill, Inc. Permit # SW-0720010459 Ticket Number: 318658 Customer Number: _____

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Buried Drums	7C	☐ Pounds ☐ Tons ☐ Cu. Yd. ☐ Cu. Ft.	☐ Drum ☒ Truck ☐ Carton ☐ Box ☐ Bag ☐ Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

John Spencer SR — Generator Authorized Agent
Signature
1/8/08 — Shipment Date

TRANSPORTER

Truck No.: _____
Transporter Name: Matthews Trucking
Address: _____

Transporter Phone No.: (_____) _____
Driver Name (print): _____
Vehicle License No./State: _____
Vehicle Certification: _____

With my signature, I certify that the above material was picked up at the Generator site listed above.

Daniel Santos — Signature
1/8/08 — Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Daniel Santos — Signature
1/8/08 — Delivery Date

DESTINATION

Site Name: Waste Management of Tunica Landfill, Inc.
Site Address: 6035 Bowdre Road Robinsonville, MS 38664
Phone No.: 1-877-989-2783
Time: _____

Discrepancies: _____

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

☐ Francis Boyd ☐ Tammy Red — Name
Signature
01/08/08 — Receipt Date

White - LANDFILL Yellow - GENERATOR Pink - TRANSPORTER Goldenrod - CONTRACTOR

TOTAL TO DATE: 178

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 318658

Customer Name E2MINC_436 E2M INC_436
Ticket Date 01/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 26041
Destination
PO
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# S2 Volume
Container
Driver
Check#
Billing # 0000436
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	01/08/2008 10:38:33	Scale1	FRANCIS		Gross	67960 lb
Out	01/08/2008 10:38:33		FRANCIS		Tare	32320 lb
					Net	35640 lb
					Tons	17.82

Comments

CLOSE AT 2:00 PM ON JAN. 21st MARTIN LUTHER KING DAY

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	BURIED DRUMS & INC	100	17.82	Tons				SHE
2	TRT-TRANSPORTATION	100	17.82	Tons				SHE

Total Tax
Total Ticket

Driver's Signature Darrell Sanders

403WM

1000954

1000955

THE TUNICA LANDFILL
A WASTE MANAGEMENT COMPANY
NON-HAZARDOUS WASTE MANIFEST

26042

GENERATOR

Name of Generator: Memphis Defense Depot
Address: 1716 Dunn Ave
Memphis TN 38114
Phone No.: (210) 6399716
Waste ID. Code No.: 100709 MS

Waste Generation Location: TN4210070570
Address: TNHW053
Phone No.: (_____) _____

Special Handling Instructions and Additional Information: _____

Waste Management of Tunica, Landfill, Inc. Permit # SW-0720010459 Ticket Number: 318624 Customer Number: _____

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Buried Drums	26	☐ Pounds ☐ Tons ☑ Cu. Yd. ☐ Cu. Ft.	☐ Drum ☑ Truck ☐ Carton ☐ Box ☐ Bag ☐ Other: Volume:

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation; is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

John Sperry
Generator Authorized Agent

John
Signature

1 18 08
Shipment Date

TRANSPORTER

Truck No.: _____
Transporter Name: Matthews Trucking
Address: _____

Transporter Phone No.: (_____) _____
Driver Name (print): _____
Vehicle License No./State: _____
Vehicle Certification: _____

With my signature, I certify that the above material was picked up at the Generator site listed above.

Signature E.D. Jack
1 18 08
Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

E.D. Jack
Signature
1 18 08
Delivery Date

DESTINATION

Site Name: Waste Management of Tunica Landfill, Inc.
Phone No.: 1-877-989-2783
Site Address: 6035 Bowdre Road Robinsonville, MS 38664
Time: _____
Discrepancies: _____

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

☐ Francis Boyd ☐ Tammy Red
Name

Signature

1 18 08
Receipt Date

White - LANDFILL Yellow - GENERATOR Pink - TRANSPORTER Goldenrod - CONTRACTOR

TOTAL TO DATE: 29,32

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 318624

Customer Name E2MINC_436 E2M INC_436
Ticket Date 01/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 26042
Destination
PO
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# TT03 Volume
Container
Driver
Check#
Billing # 0000436
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	01/08/2008 08:40:28	Scale1	TAMMY		Gross	87580 lb
Out	01/08/2008 08:40:28		TAMMY		Tare	28940 lb
					Net	58640 lb
					Tons	29.32

Comments

CLOSE AT 2:00 PM ON JAN. 21st MARTIN LUTHER KING DAY

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	BURIED DRUMS & INC	100	29.32	Tons				SHE
2	TRT-TRANSPORTATION	100	29.32	Tons				SHE

Total Tax
Total Ticket

Driver's Signature E. D. Finch

403WM

1000956

1000957

THE TUNICA LANDFILL
A WASTE MANAGEMENT COMPANY
NON-HAZARDOUS WASTE MANIFEST 26043

GENERATOR

Name of Generator: Memphis Defense Depot
Address: 1716 Dunn Ave
Memphis, TN 38114
Phone No.: (210) 6399716
Waste ID. Code No.: 100709 MM S

Waste Generation Location: TN4210070570
Address: TN Hwy 55
Phone No.: (_____) _____

Special Handling Instructions and Additional Information: _____

Waste Management of Tunica, Landfill, Inc. Permit # SW-0720010459 Ticket Number: 318629 Customer Number: _____

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Buried Drums	7C	☐ Pounds ☐ Tons ☑ Cu. Yd. ☐ Cu. Ft.	☐ Drum ☑ Truck ☐ Carton ☐ Box ☐ Bag ☐ Other: Volume:

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

John Spivey — Generator Authorized Agent
Signature
1/8/08 — Shipment Date

TRANSPORTER

Truck No.: STC 3
Transporter Name: McAlister Trucking
Address: _____

Transporter Phone No.: (_____) _____
Driver Name (print): _____
Vehicle License No./State: _____
Vehicle Certification: _____

With my signature, I certify that the above material was picked up at the Generator site listed above.

Signature — 1/8/08 Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.

Signature — 1/8/08 Delivery Date

DESTINATION

Site Name: Waste Management of Tunica Landfill, Inc.
Site Address: 6035 Bowdre Road Robinsonville, MS 38664
Phone No.: 1-877-989-2783
Time: _____
Discrepancies: _____

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

☐ Francis Boyd ☑ Tammy Red — Name
Signature
1/8/08 — Receipt Date

White - LANDFILL Yellow - GENERATOR Pink - TRANSPORTER Goldenrod - CONTRACTOR

TOTAL TO DATE: 27.97

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 318629

Customer Name E2MINC_436 E2M INC_436
Ticket Date 01/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 26043
Destination
PO
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# STC2 Volume
Container
Driver
Check#
Billing # 0000436
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	01/08/2008 08:52:44	Scale1	TAMMY		Gross	89780 lb
Out	01/08/2008 08:52:44		TAMMY		Tare	33840 lb
					Net	55940 lb
					Tons	27.97

Comments

CLOSE AT 2:00 PM ON JAN. 21st MARTIN LUTHER KING DAY

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	BURIED DRUMS & INC	100	27.97	Tons				SHE
2	TRT-TRANSPORTATION	100	27.97	Tons				SHE

DLW

Total Tax
Total Ticket

Driver's Signature

WM

10009958

1000959

THE TUNICA LANDFILL
A WASTE MANAGEMENT COMPANY
NON-HAZARDOUS WASTE MANIFEST

26044

GENERATOR

Name of Generator: Memphis Defense Depot
Address: 1716 Dunn Ave
Memphis, TN 38114
Phone No.: (210) 6399716
Waste ID. Code No.: 100709 MS

Waste Generation Location: TN2100070570
Address: TNHOS3
Phone No.: (_____) _____

Special Handling Instructions and Additional Information: _____

Waste Management of Tunica, Landfill, Inc. Permit # SW-0720010459 Ticket Number: 318637 Customer Number: _____

RESPONSIBLE AGENCY: Mississippi Dept. of Environmental Quality (601) 961-5171

Waste Description	Actual Quantity	Units	Container Type
Board Drums	26	☐ Pounds ☐ Tons ☒ Cu. Yd. ☐ Cu. Ft.	☐ Drum ☒ Truck ☐ Carton ☐ Box ☐ Bag ☐ Other: _____ Volume: _____

With my signature, I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law or regulation, is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

John Spivey — Generator Authorized Agent
Signature
1/8/08 — Shipment Date

TRANSPORTER

Truck No.: _____
Transporter Name: Matthews Trucking
Address: _____

Transporter Phone No.: (_____) _____
Driver Name (print): _____
Vehicle License No./State: _____
Vehicle Certification: _____

With my signature, I certify that the above material was picked up at the Generator site listed above.
Kevin Gregory 53 — Signature
1/8/08 — Pickup Date

With my signature, I certify that the above named material was delivered without incident to the destination listed below.
Kevin Gregory — Signature
1/8/08 — Delivery Date

DESTINATION

Site Name: Waste Management of Tunica Landfill, Inc.
Site Address: 6035 Bowdre Road Robinsonville, MS 38664
Phone No.: 1-877-989-2783
Time: _____

Discrepancies: _____

I hereby certify that the above named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.

☒ Francis Boyd ☐ Tammy Red — Name
Signature
_____ — Receipt Date

White - LANDFILL Yellow - GENERATOR Pink - TRANSPORTER Goldenrod - CONTRACTOR

TOTAL TO DATE: 2495

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 318637

Customer Name E2MINC_436 E2M INC_436
Ticket Date 01/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 26044
Destination
PO
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 53 Volume
Container
Driver
Check#
Billing # 0000436
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	01/08/2008 09:20:36	Scale1	TAMMY		Gross	82340 lb
Out	01/08/2008 09:20:36		TAMMY		Tare	32440 lb
					Net	49900 lb
					Tons	24.95

Comments

CLOSE AT 2:00 PM ON JAN. 21st MARTIN LUTHER KING DAY

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	BURIED DRUMS & INC	100	24.95	Tons				SHE
2	TRT-TRANSPORTATION	100	24.95	Tons				SHE

Total Tax
Total Ticket

Driver's Signature Kevin Gregory 53

403WM

1000960

1000961

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNU211020710 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone [illegible]

A. Manifest Number **WMNA 10660555**

B. State Generator's ID TNH1053

5. Transporter 1 Company Name Mallhews Trucking — 6. US EPA ID Number — C. State Transporter's ID — D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number — E. State Transporter's ID — F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6035 BOWDRE ROAD
[illegible]

10. US EPA ID Number — G. State Facility's ID — H. Facility's Phone [illegible]

GENERATOR

	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 100709MS	001	DT	00001216		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill _____ Solidification _____
Bio Remediation _____

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
TKU RT01
TCN 318692
26.68 Tons
R704
Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION.
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John Gentry	[signature]	10	20	97

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Floyd Thornton	[signature]			

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Francis Bond	[signature]	10	28	97

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 318692

Customer Name E2MINC_436 E2M INC_436
Ticket Date 01/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660556
Destination
PO
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT01 Volume
Container
Driver
Check#
Billing # 0000436
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	01/08/2008 12:45:17	Scale1	FRANCIS		Gross	83000 lb
Out	01/08/2008 12:45:17		FRANCIS		Tare	29640 lb
					Net	53360 lb
					Tons	26.68

Comments

CLOSE AT 2:00 PM ON JAN. 21st MARTIN LUTHER KING DAY

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	BURIED DRUMS & INC	100	26.68	Tons				SHE
2	TRT-TRANSPORTATION	100	26.68	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

100096

1000963

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12 pitch) typewriter)*

CWM

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No. T|N|K|2|1|0|0|7|0|5|7|0 — Manifest Document No.

2. Page 1 of 1

3 Generator's Name and Mailing Address
NEWS DEFENSE DEPOT
1716 DIVISION AVENUE
MEMPHIS TN 38114

4. Generator's Phone 219 889 0710

A. Manifest Number **WMNA** 1963556

B. State Generator's ID TNKW 053

5. Transporter 1 Company Name Matthews Trucking — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address — 10 US EPA ID Number

THE TUNICA LANDFILL
8035 BOMDRE ROAD

G. State Facility's ID

H. Facility's Phone

11. Description of Waste Materials — 12. Containers No. / Type — 13. Total Quantity — 14. Unit Wt./Vol. — I. Misc. Comments

GENERATOR

a. BURIED DRUMS — WM Profile # 100701WMS — 01 | 07 | 00016

b. WM Profile #

c. WM Profile #

d. WM Profile #

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

SL185 ST — T/C # 53 — Tot # 318693 — 27,260 TONS

Purchase Order # — EMERGENCY CONTACT:

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name — Signature "On behalf of" — Month Day Year 01 10 08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Kevin Heaney 53 — Signature Kevin Heaney — Month Day Year 01 10 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Francis Bond — Signature Francis Bond — Month Day Year 01 10 08

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 318693

Customer Name E2MINC_436 E2M INC_436
Ticket Date 01/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660556
Destination
PO
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 53
Container
Driver
Check#
Billing # 0000436
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound	Gross	86960 lb
In	01/08/2008 12:53:28	Scale1	FRANCIS		Tare	32440 lb
Out	01/08/2008 12:53:28		FRANCIS		Net	54520 lb
					Tons	27.26

Comments

CLOSE AT 2:00 PM ON JAN. 21st MARTIN LUTHER KING DAY

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	BURIED DRUMS & INC	100	27.26	Tons				SHE
2	TRT-TRANSPORTATION	100	27.26	Tons				SHE

Total Tax
Total Ticket

Driver's Signature Kenny Gregory 53

1000964

1000965

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

CWM

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNW7101072685710 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1718 DUNN AVENUE
MEMPHIS TN 38114
4. Generator's Phone 318 638-3719

A. Manifest Number WMNA 10660557

B. State Generator's ID TNH1053

5. Transporter 1 Company Name Matthews Trucking — 6. US EPA ID Number — C. State Transporter's ID — D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number — E. State Transporter's ID — F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6096 DOMORE ROAD
[illegible] 38654 — 10. US EPA ID Number — G. State Facility's ID — H. Facility's Phone [illegible]

	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 100709845	0012	DT	00002016		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill _____ Solidification _____
Bio Remediation _____

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
TN # TTOW
Tel # 318 710
38.82 TONS

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
Tab Spencer	[signature]	10 10 18

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
[illegible]	[signature]	10 10 18

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month Day Year
[illegible] Boyd	[signature]	10 10 18

CWM - NHM -II - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 318710

Customer Name E2MINC_436 E2M INC_436
Ticket Date 01/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660557
Destination
PO
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# TT04 Volume
Container
Driver
Check#
Billing # 0000436
Gen EPA ID

	Time	Scale	Operator	Inbound	Gross	107200 lb*
In	01/08/2008 13:49:21	Scale1	FRANCIS		Tare	29640 lb*
Out	01/08/2008 13:49:21		FRANCIS		Net	77640 lb
			* Manual Weight		Tons	38.82

Comments

CLOSE AT 2:00 PM ON JAN. 21st MARTIN LUTHER KING DAY

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	BURIED DRUMS & INC	100	38.82	Tons				SHE
2	TRT-TRANSPORTATION	100	38.82	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

1000966

1000967

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNU711001785101 — Manifest Document No.

2 Page 1 of

3 Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1736 DURO AVENUE
MEMPHIS TN 38114

4. Generator's Phone 240 [illegible]

A. Manifest Number **WMNA** 1000552

B. State Generator's ID TNHW053

5 Transporter 1 Company Name — 6. US EPA ID Number — C. State Transporter's ID

7. Transporter 2 Company Name — 8. US EPA ID Number — D. Transporter's Phone — E. State Transporter's ID — F. Transporter's Phone

9. Designated Facility Name and Site Address — 10. US EPA ID Number — G. State Facility's ID

TYE TUNICA LANDFILL
6035 BOWDRE ROAD
[illegible]

H. Facility's Phone 662 363 2202

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 1007[illegible]WMS	0101	28	280015		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information TK #52 21.80 TONS

Purchase Order # TK # 378691 EMERGENCY CONTACT

16. GENERATOR'S CERTIFICATION.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
[illegible]	[signature]	10	28	02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	10	28	02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator. Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	10	28	02

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 318691

Customer Name E2MINC_436 E2M INC_436
Ticket Date 01/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660558
Destination
PO
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# S2 Volume
Container
Driver
Check#
Billing # 0000436
Gen EPA ID

	Time	Scale	Operator	Inbound	Gross	75920 lb
In	01/08/2008 12:42:17	Scale1	FRANCIS		Tare	32320 lb
Out	01/08/2008 12:42:17		FRANCIS		Net	43600 lb
					Tons	21.80

Comments

CLOSE AT 2:00 PM ON JAN. 21st MARTIN LUTHER KING DAY

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	BURIED DRUMS & INC	100	21.80	Tons				SHE
2	TRT-TRANSPORTATION	100	21.80	Tons				SHE

Total Tax
Total Ticket

Driver's Signature Darrell Sanders

1000968

1000969

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNN1210107257 Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114
4. Generator's Phone 340 000 0740

A. Manifest Number **WMNA** 1003650

B. State Generator's ID TN4210053

5. Transporter 1 Company Name M. Wilson 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6035 BOMDRE ROAD
[illegible] 10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone

11. Description of Materials	12. Containers No.	Type	13. Total Quantity	14 Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 100708948	001	DT	2.00	TN	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
T-R-U RTO2
TCN 318699
28.12 Tons
RTO2
Purchase Order # EMERGENCY CONTACT:

16 GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name [illegible] Signature "On behalf of" Month 01 Day 08 Year 98

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Neil Nolen Signature Neil Nolen Month 01 Day 08 Year 98

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name Signature Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Pinion Landfill
4025 Boudine Rd
Robinsonville, MS 38664
Ph: 662 363 2282

Original
Ticket# 318699

Customer Name E2MINC_436 E2M INC_436
Ticket Date 01/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660650
Destination
PO
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT02 Volume
Container
Driver
Check#
Billing # 0000436
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	01/08/2008 13:14:09	Scale1	FRANCIS		Gross	86800 lb
Out	01/08/2008 13:14:09		FRANCIS		Tare	30560 lb
					Net	56240 lb
					Tons	28.12

Comments

CLOSE AT 2:00 PM ON JAN. 21st MARTIN LUTHER KING DAY

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	BURIED DRUMS & INC	100	28.12	Tons				SHE
2	TRT-TRANSPORTATION	100	28.12	Tons				SHE

M.B

Total Tax
Total Ticket

Driver's Signature

1000970

1000971

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter)*

CWM

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. T N 4 2 1 2 6 7 2 6 7 2 Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1216 DUNN AVENUE
MEMPHIS TN 38114
4. Generator's Phone 216 833-9718

A. Manifest Number WMNA 10660551

B. State Generator's ID TN1405 3

5. Transporter 1 Company Name Matthews Trucking

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6035 BOMORE ROAD

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 10070845	0 0 1	DT	0 0 1 2 5		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
TTO1 TK # TTO1 28.97 TONS
Purchase Order # Tel # 219696 EMERGENCY CONTACT

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

GENERATOR

Printed/Typed Name	Signature/On behalf of*	Month	Day	Year
John Sweeney		1 0	0 8	0 8

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Ewell Howard	Enrique Pinson	1 0	0 8	0 8

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year
Frank Rose		1 0	0 8	0 8

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Boudre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 318696

Customer Name E2MINC_436 E2M INC_436
Ticket Date 01/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660651
Destination
PO
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# TT01
Container
Driver
Check#
Billing # 0000436
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound	Gross	86340 lb
In	01/08/2008 13:00:43	Scale1	FRANCIS		Tare	28400 lb
Out	01/08/2008 13:00:43		FRANCIS		Net	57940 lb
					Tons	28.97

Comments

CLOSE AT 2:00 PM ON JAN. 21st MARTIN LUTHER KING DAY

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 BURIED DRUMS & INC	100	28.97	Tons				SHE
2 TRT-TRANSPORTATION	100	28.97	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

100972

1000973

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1719 DEFENSE AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 000 0710

A. Manifest Number **WMNA** 1P03952

B. State Generator's ID TNHW0[illegible]

5. Transporter 1 Company Name

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6035 BOUNDRE ROAD

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone

11. Shipping Name, Hazard Class and ID Number (if applicable)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 101702855	01	01	21.74		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill 2 Solidification
Bio Remediation

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
TRK 53
TARP 318700
21.74 TONS

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
		01	18	18

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		01	18	18

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]		01	18	18

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 318700

Customer Name E2MINC_436 E2M INC_436
Ticket Date 01/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660652
Destination
PO
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# S01 Volume
Container
Driver
Check#
Billing # 0000436
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	01/08/2008 13:19:30	Scale1	FRANCIS		Gross	75240 lb
Out	01/08/2008 13:19:30		FRANCIS		Tare	31760 lb
					Net	43480 lb
					Tons	21.74

Comments

CLOSE AT 2:00 PM ON JAN. 21st MARTIN LUTHER KING DAY

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	BURIED DRUMS & INC	100	21.74	Tons				SHE
2	TRT-TRANSPORTATION	100	21.74	Tons				SHE

David Hall

Total Tax
Total Ticket

Driver's Signature

1000974

1000975

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

CWM

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN2 1086705 70 — Manifest Document No. — 2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DURHA AVENUE
MEMPHIS TN 38114
4. Generator's Phone 216 820 0719

A. Manifest Number WMNA 10660653
B. State Generator's ID TNW053

5. Transporter 1 Company Name — 6. US EPA ID Number — C. State Transporter's ID — D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number — E. State Transporter's ID — F. Transporter's Phone

9. Designated Facility Name and Site Address — 10. US EPA ID Number — G. State Facility's ID — H. Facility's Phone
THE TUNICA LANDFILL
6035 BOWDRE ROAD
[illegible] MS 38654

	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 10017026GR	001	07	000 76		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill _____ Solidification _____
"Bio Remediation _____

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
TLH TT02
TCJ 318 70x
25.67 TONS
Purchase Order # EMERGENCY CONTACT

16. GENERATOR'S CERTIFICATION:
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name Signature "On behalf of" Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year 10 10 2008

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.
Printed/Typed Name Signature Month Day Year 10 10 08

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 318702

Customer Name E2MINC_436 E2M INC_436
Ticket Date 01/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660653
Destination
PO
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# TT02 Volume
Container
Driver
Check#
Billing # 0000436
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	01/08/2008 13:22:57	Scale1	FRANCIS		Gross	79940 lb
Out	01/08/2008 13:22:57		FRANCIS		Tare	28640 lb
					Net	51300 lb
					Tons	25.65

Comments

CLOSE AT 2:00 PM ON JAN. 21st MARTIN LUTHER KING DAY

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	BURIED DRUMS & INC	100	25.65	Tons				SHE
2	TRT-TRANSPORTATION	100	25.65	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

1000976

1000977

WM WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

CWM1

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN421100170510 Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1710 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 932-5719

A. Manifest Number **WMNA 10970083**

B. State Generator's ID TN HW 053

5. Transporter 1 Company Name Ross Trucking

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
CASS ROMORE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2262

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. DRIED DRUMS WM Profile # 10970083					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

TK# RT03 Ticket # 558324 Tons 29.29

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: John R. Spears | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: CP Whitehurst | Signature | Month Day Year: 10 | 31 | 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: Tammy Red | Signature | Month Day Year: 11 | 1 | 09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 358324

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 05/12/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 1007008
Destination
PO 5001266
Profile 100709
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT83 Volume
Container
Driver
Check#
Billing # 00000085
Gen EPA ID

RECEIVED
MAY 27 2009
By

	Time	Scale	Operator	Inbound		
In	05/12/2009 13:28:39	Scale1	TAMMY		Gross	87220 lb*
Out	05/12/2009 13:28:39		TAMMY		Tare	28640 lb*
			* Manual Weight		Net	58580 lb
					Tons	29.29

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	29.29	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	29.29	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

1000978

1060979

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

CWM

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNH210070515710 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DURR AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 600-8716

A. Manifest Number **WMNA 10970085**

B. State Generator's ID TNH1053

5. Transporter 1 Company Name: Mathews & Ross Trucking — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6993 BOWDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2262

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURNED DRUMS WM Profile # 10970085					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

TK# MR1 Ticket # 358330 Tons - 29.10

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John L. Speary				

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Billy Sexton	Billy Sexton	10	15	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Tammy Rod	Tammy Rod	10	16	09

CWM - NHM - 1 - 6/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2582

Original
Ticket# 358330

Customer Name MEPACO85 MEP 85
Ticket Date 05/12/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970085
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# MR1 Volume
Container
Driver
Check#
Billing # 00000085
Gen EPA ID

RECEIVED MAY 12 2009 BY

	Time	Scale	Operator	Inbound		
In	05/12/2009 14:05:08	Scale1	TAMMY		Gross	87390 lb
Out	05/12/2009 14:05:08		TAMMY		Tare	29600 lb
					Net	58200 lb
					Tons	29.10

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	29.10	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf0-Env Fee #3 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	29.10	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10970980

1000981

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

CWM

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN 4 12 1 0 0 2 7 0 5 7 2 0 1 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

A. Manifest Number WMNA 10970086

B. State Generator's ID TNHW053

4. Generator's Phone 210 639-6710

5. Transporter 1 Company Name Strayhorn Trucking — 6. US EPA ID Number — C. State Transporter's ID — D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number — E. State Transporter's ID — F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6385 HOWDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number — G. State Facility's ID

H. Facility's Phone 662 363-2262

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. PURGED DRUGS WM Profile # 100700982					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

TK # STC1 Ticket # 358326 Tons - 31.32

Purchase Order # EMERGENCY CONTACT

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John R. Spacey		05	12	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Ray Young		06	17	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Tommy Pool		06	18	09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: [illegible]

Original
Ticket# 358326

RECEIVED MAY 27 2009 By

Customer Name HEPACO85 HEPACO INC 85
Ticket Date 05/12/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970006
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# STC1 Volume
Container
Driver
Check#
Billing # 00000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	05/12/2009 13:37:48	Scale1	TAMMY		Gross	93540 lb
Out	05/12/2009 13:37:48		TAMMY		Tare	30900 lb
					Net	62640 lb
					Tons	31.32

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ------ MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	31.32	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	31.32	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

2860098

1000983

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNR1010705710 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 638-9719

A. Manifest Number **WMNA 10970087**

B. State Generator's ID TN HW 053

5. Transporter 1 Company Name Moss Trucking RTO1 — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6035 BOWDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2262

GENERATOR	11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
	a. BURIED DRUMS WM Profile # 10970087					
	b. WM Profile #					
	c. WM Profile #					
	d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
TK# RTO1 Ticket #358334 Tons - 26.93

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John B. Sperry		10	15	2019

TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials			
	Printed/Typed Name: Ewell Austin	Signature	Month: 10	Day: 15	Year: 2019
	18. Transporter 2 Acknowledgement of Receipt of Materials			
	Printed/Typed Name	Signature	Month	Day	Year

FACILITY	19. Certificate of Final Treatment/Disposal
	I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator. Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Tammy Rod	Tammy Rod	10	15	19

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Rowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 358334

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 05/12/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970087
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT1
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound	Gross	81460 lb
In	05/12/2009 14:17:07	Scale1	TAMMY		Tare	27600 lb
Out	05/12/2009 14:17:07		TAMMY		Net	53860 lb
					Tons	26.93

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ------ MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	26.93	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	26.93	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

100098

1000985

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No: TNHQ1010171015171O1 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1776 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 932-3719

A. Manifest Number: WMNA 10970072

B. State Generator's ID: TN HQ1 053

5. Transporter 1 Company Name: Knight Trucking — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6035 ROVENE ROAD
ROBINSONVILLE MS 38664 — 10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone: 662 363-2252

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
GENERATOR a. CRUSHED DRUMS WM Profile # 10970072			20 yds³		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

TCH 358401

HF JK1

Purchase Order #

EMERGENCY CONTACT: JVS 20.27

16. GENERATOR'S CERTIFICATION.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
John P. Sperry		05 13 09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Divsy Knight		

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
		05 13 09

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year
Francois Boyd		05 13 09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 358401

RECEIVED MAY 27 2009 By

Customer Name HEPACO85 HEPACO INC
Ticket Date 05/13/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 1097002
Destination
PO 5M01268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# JK1 Volume
Container
Driver
Check#
Billing # 0M60085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	05/13/2009 10:10:09	Scale1	FRANCIS		Gross	72080 lb
Out	05/13/2009 10:26:59	Scale1	FRANCIS		Tare	31540 lb
					Net	40540 lb
					Tons	20.27

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	20.27	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Ev#8-Env Fee #8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	20.27	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

1000986

100987
800091

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN 4 2 1 0 2 7 0 5 7 2 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1714 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 638-8719

A. Manifest Number **WMNA 10970073**

B. State Generator's ID TN HU 053

5. Transporter 1 Company Name: Ross Trucking — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6339 BOURDRE ROAD
ROBINSONVILLE MS 38664 — 10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2262

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14 Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 10970073			20yds.		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid # 358384

15. Special Handling Instructions and Additional Information

tk RT04

Tons 26-18

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John B. Sorey		10	5	97

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
CP Whitehurst		10	5	97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, it was managed in compliance with all applicable laws, regulations, permits and license

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature
Paul Boyd	

CWM - NHM - 1 - 5/97

#3 - TRANSPOR

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 358384

RECEIVED MAY 27 2009 By

Customer Name HEPAC085 HEPACO INC AS
Ticket Date 05/13/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970073
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT04 Volume
Container
Driver
Check#
Billing # 00000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	05/13/2009 08:54:32	Scale1	FRANCIS		Gross	81160 lb
Out	05/13/2009 08:54:32		FRANCIS		Tare	28800 lb
					Net	52360 lb
					Tons	26.18

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	26.18	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	26.18	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

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NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWM

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN4210070570 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DURAN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 639-6719

A. Manifest Number WMNA 10970074

B. State Generator's ID TN HW 053

5. Transporter 1 Company Name Shirley Trucking Inc — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
0035 ROMAINE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2282

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 160708248			20 YDS		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

TK# 52 Ticket# 358389 Tons - 19.35

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John B. Spencer		10	5	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Louis Shirley		10	13	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Tammy Rod	Tammy Rod	10	13	09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

RECEIVED MAY 13 2009 BY

Turtica Landfill
6025 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 358389

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 05/13/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970074
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 82 Volume
Container
Driver
Check#
Billing # 00000085
Gen EPA ID

	Time	Scale	Operator			
In	05/13/2009 09:12:13	Scale1	FRANCIS	Inbound	Gross	70880 lb
Out	05/13/2009 09:12:13		FRANCIS		Tare	32180 lb
					Net	38700 lb
					Tons	19.35

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	19.35	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	19.35	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

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WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

CWM

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No: TN4211010700515719 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 BRAN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 [illegible] 2719

A. Manifest Number: **WMNA 10970075**

B. State Generator's ID: TN HW 053

5. Transporter 1 Company Name: PAT Q Ruking P02 — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6888 BOWDRE ROAD
ROBINSONVILLE MS 38664 — 10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone: 662 363-2782

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 10970SAS			20yd		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

TR# P2 Ticket # 358398 Tons 20.17

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: John B. Sparrs — Signature "On behalf of" — Month 05 Day 13 Year 09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: RAY SPRINGER — Signature — Month 05 Day 20 Year 09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: Tammy Reed — Signature: Tammy Reed — Month 05 Day 13 Year 09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2222

Original
Ticket# 358398

Customer Name HEPAC085 HEPACO
Ticket Date 05/13/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970076
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 101-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

RECEIVED
MAY 27 2009
By

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# P2 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	05/13/2009 09:49:31	Scale1	FRANCIS		Gross	73500 lb
Out	05/13/2009 10:04:37	Scale1	FRANCIS		Tare	33160 lb
					Net	40340 lb
					Tons	20.17

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ------ MONDAY MAY 25th

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	20.17	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf0-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	20.17	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

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WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No: TN1412100170151 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 GUM AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 682-5719

A. Manifest Number: **WMNA 10970076**

B. State Generator's ID: TN HW 053

5. Transporter 1 Company Name: Strayhorn Trucking — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6188 BOUNDRY ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone: 662 363-2262

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURNED DRUMS WM Profile # 10077[illegible]			21041		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

TK# STC1 Ticket# 358394 TONS 22.18

Purchase Order # EMERGENCY CONTACT:

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John B. Sparks		10	13	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
KAY YOUNG		10	13	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Tommy Ray		10	13	09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 258394

Customer Name HEPACO85 HEPACO INC AE
Ticket Date 05/13/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 109700076
Destination
PO 5001268
Profile 100703MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# STC1 Volume
Container
Driver
Check#
Billing # 0020085
Gen EPA ID

RECEIVED MAY 27 2009 By

	Time	Scale	Operator	Inbound		
In	05/13/2009 09:30:19	Scale1	FRANCIS		Gross	75460 lb
Out	05/13/2009 09:30:19		FRANCIS		Tare	30900 lb
					Net	44560 lb
					Tons	22.28

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	22.28	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf0-Env Fee $0 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	22.28	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

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WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

CWM

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No: T N 4 2 1 0 0 0 7 0 5 7 0 — Manifest Document No:

2. Page 1 of 1

3. Generator's Name and Mailing Address
DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 638-0719

A. Manifest Number: WMNA 10970079

B. State Generator's ID: TN HW 053

5. Transporter 1 Company Name: Mathews & Ross Env. — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TURNCA LANDFILL
6565 BOWDRE ROAD
MCKENZIE TN 38201

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone: 662 352-2262

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Misc. Comments
a. BURIED DRUMS WM Profile # 10970248					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill _____ Solidification _____ Ticket # 358363
Bio Remediation _____ Tons 25.08

K. Disposal Location
Cell _____ Level _____
Grid _____

15. Special Handling Instructions and Additional Information

Purchase Order # _____ EMERGENCY CONTACT:

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: John R. Spence — Signature On behalf of* — Month Day Year: 10 15 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Billy Sexton — Signature: #MR1 Billy Sexton — Month Day Year: 05 14 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: Tommy Rod — Signature: Tommy Rod — Month Day Year: 05 13 02

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 8282

Original
Ticket# 358363

RECEIVED MAY 07 2009 By

Customer Name HEPACO85 HEPACO
Ticket Date 05/13/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970079
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# MR1 Volume
Container
Driver
Check#
Billing # 00000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	05/13/2009 06:54:15	Scale1	TAMMY		Gross	82680 lb
Out	05/13/2009 07:06:21	Scale1	TAMMY		Tare	32520 lb
					Net	50160 lb
					Tons	25.08

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ------ MONDAY MAY 25th

Product		LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	25.08	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	25.08	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

1000996

1000997

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWM

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNH2101017057 0 — Manifest Document No. — 2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1216 DUNN AVENUE
MEMPHIS TN 38114

A. Manifest Number **WMNA 10970080**

B. State Generator's ID TN HW 053

4. Generator's Phone 210 635-9719

5. Transporter 1 Company Name Perry Trucking P02 — 6. US EPA ID Number — C. State Transporter's ID — D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number — E. State Transporter's ID — F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6363 BOUDRE ROAD
ROBINSONVILLE MS 38664 — 10. US EPA ID Number — G. State Facility's ID

H. Facility's Phone 662 363-2282

11. Description of Waste Materials	12 Containers No.	12 Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 100702445					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill _____ Solidification _____
Bio Remediation _____

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
Ticket # 358352
Purchase Order # EMERGENCY CONTACT. Tons - 25.18

16 GENERATOR'S CERTIFICATION:
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John R. Spence		10	15	12 06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
RAY Stringer		10	15	12 06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Tammy Red	Tammy Red	10	15	06

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 359352

RECEIVED MAY 27 2009 By

Customer Name [EPAC085 HEPACO/INC 85
Ticket Date 05/13/2009
Payment Type Credit Accou
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970080
Destination
PO 5691268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# P2 Volume
Container
Driver
Check#
Billing # 00000085
Gen EPA ID

	Time	Scale	Operator	Inbound	Gross	83960 lb
In	05/13/2009 06:02:46	Scale1	TAMMY		Tare	33600 lb
Out	05/13/2009 06:02:46		TAMMY		Net	50360 lb
					Tons	25.18

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ------ MONDAY MAY 25th

Product		LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	25.18	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf0-Env Fee $0 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	25.18	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

100098

1000999

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN4210070510 — Manifest Document No. — 2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1776 PINN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 634-3710

A. Manifest Number: WMNA 10970081

B. State Generator's ID: TN MW 053

5. Transporter 1 Company Name — 6. US EPA ID Number — C. State Transporter's ID — D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number — E. State Transporter's ID — F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6035 BOWDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number — G. State Facility's ID — H. Facility's Phone: 662 363-2282

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 100709946					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill _____ Solidification _____
Bio Remediation _____

K. Disposal Location
Cell Level
Grid

Special Handling Instructions and Additional Information

Ticket # 358351

Purchase Order # — EMERGENCY CONTACT: — Tons 28.47

GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Typed Name	Signature "On behalf of"	Month Day Year
R. Young		10/12/09

1 Acknowledgement of Receipt of Materials

Typed Name	Signature	Month Day Year
Ray Young	Ray Y	10/12/09

Acknowledgement of Receipt of Materials

Typed Name	Signature	Month Day Year

Treatment/Disposal

On behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste is in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

for: Certification of receipt of non-hazardous materials covered by this manifest

Typed Name	Signature	Month Day Year
by Red		10/13/09

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Boudre Rd
Robinsonville, MS, 38664
Ph: 662 363 2292

Original
Ticket# 358351

RECEIVED MAY 27 2009 By

Customer Name HEPAC085 HEPACO, INC. 85
Ticket Date 05/13/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 100700681
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# STC1 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	05/13/2009 05:59:43	Scale1	TAMMY		Gross	87840 lb
Out	05/13/2009 05:59:43		TAMMY		Tare	30900 lb
					Net	56940 lb
					Tons	28.47

Comments:

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ------ MONDAY MAY 25th

Product		LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	28.47	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	28.47	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001000

10001001

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNH210170570 — Manifest Document No.
2. Page 1 of 1
3. Generator's Name and Mailing Address
NAVAL SUPPLY DEPOT
1718 DUNN AVENUE
MEMPHIS TN 38114
4. Generator's Phone 210 439-3719
A. Manifest Number WMNA 10970082
B. State Generator's ID TN HW053
5. Transporter 1 Company Name Ellis Tank (RTO)
6. US EPA ID Number
C. State Transporter's ID
D. Transporter's Phone
7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone
9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6955 BOWLINE ROAD
ROBINSONVILLE MS 38664
10. US EPA ID Number
G. State Facility's ID
H. Facility's Phone 662 363-2262

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 10970082			30 yd		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill _____ Solidification _____
Bio Remediation _____

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information Ticket # 358379 Tons 25.53
Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John B. Sperry		05	13	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Eddie Clayton	Eddie Clayton	05	13	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Tammy Ford	Tammy Ford	05	13	09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Powdre Rd
Robinsonville, MS, 38664
Ph: 662-363-2288

Original
Ticket# 358462

RECEIVED MAY 27 2009 By

Customer Name HEPA0085 HEPA0085INC 85
Ticket Date 05/13/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970110
Destination
PO 5001260
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 82 Volume
Container
Driver
Check#
Billing # 00000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	05/13/2009 14:09:11	Scale1	FRANCIS		Gross	77200 lb
Out	05/13/2009 14:09:11		FRANCIS		Tare	32180 lb
					Net	45020 lb
					Tons	22.51

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	22.51	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evfs-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	22.51	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001001A

1000100a

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN4121102705 Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 652-3713

A. Manifest Number WMNA 10970071

B. State Generator's ID TNHW 057

5. Transporter 1 Company Name Matthews & Kodz

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
4605 BOURNE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2262

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 10071962			20 yds.		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Cell # 358624

MR1

20.1 S

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John R. Sorrow		05	10	07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Billy Sexton		05	10	07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Francis Boyd	Francis Boyd	05	10	07

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#3 - TRANSPORTER #1 COPY

WM
WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 358596

RECEIVED MAY 15 2009 By

Customer HEPACD85 HEPACO INC_85
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970111
Destination
PO 5601268
Profile 100709MS (BURNED) DRUMS
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# JK1 Volume
Container
Driver
Check#
Billing # 00000025
Gen EPA ID

	Time	Scale	Operator			
In	05/14/2009 13:00:31	Scale1	FRANCIS	Inbound	Gross	82120 lb
Out	05/14/2009 13:00:31		FRANCIS		Tare	31540 lb
					Net	50580 lb
Comments					Tons	25.29

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ------ MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	25.29	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evt8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	25.29	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001024

10001003

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN 4211005710 ST P1 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1776 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 638-9719

A. Manifest Number WMNA 10970112

B. State Generator's ID TNHW05

5. Transporter 1 Company Name: Ross Trucking — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6563 ECHORE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2282

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 10970112			20yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Ticket 358601 Tons - 30.09

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
John R. Sweeney		10/5/11/4/09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
CP Whitehurst RTOH	CP Whitehurst	10/11/4/09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year
Tommy Reed	Tommy Reed	10/15/09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: [illegible] 3282

Original
Ticket# 358379

RECEIVED
MAY 27 2009
By

Customer Name HEPAC085 HEPACO 85C_85
Ticket Date 05/13/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970082
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 101-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT1 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	05/13/2009 08:35:24	Scale1	TAMMY		Gross	78660 lb
Out	05/13/2009 08:35:24		TAMMY		Tare	27600 lb
					Net	51060 lb
					Tons	25.53

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ------ MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	25.53	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	25.53	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001003A

10001004

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No: TN4214010170570 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUAN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 638 6719

A. Manifest Number: WMNA 10970084

B. State Generator's ID: TN HI 053

5. Transporter 1 Company Name: Strayhorn Trkg — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6005 BOWDRE ROAD
ROBINSONVILLE MS 38664 — 10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone: 662 363-2252

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 10970084			210YDS		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Tep 358400
HR 3706
TONS 26.29

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John R. Spence		05	12	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
John DeLoach	John DeLoach	05	12	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year
Travis Boyd		12	12	09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Powdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 358601

Customer Name REPACO85 REPACO INC_85
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10020111
Destination
PO 5001268
Profile 100709M5 (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT04 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

RECEIVED MAY 15 2009 By

	Time	Scale	Operator			
In	05/14/2009 13:07:53	Scale1	FRANCIS	Inbound	Gross	90180 lb
Out	05/14/2009 13:07:53		FRANCIS		Tare	28800 lb
					Net	61380 lb
					Tons	30.69

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ------- MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	30.69	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Ev#8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	30.69	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001004A

10001005

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

CWM

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN1481100170517 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DIANA AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 652-0719

A. Manifest Number **WMNA 10970113**

B. State Generator's ID TNHW053

5. Transporter 1 Company Name Shirley Trucking 52 — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TURCA LANDFILL
6405 BOWDRE ROAD
ROBSTOWN TX 78380 — 10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 512 387-2282

GENERATOR

11. Description of Waste Materials	12 Containers No.	12 Containers Type	13 Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 10970346			20 YDS		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill _____ Solidification _____
Bio Remediation _____

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
PO # 358629
TK 52
Purchase Order # EMERGENCY CONTACT: TONY 2221

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John B. Sperry		10	15	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Louis Shirley				

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above..

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Francis Boyd		10	15	09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

10001005A

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN4210070570 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 532-2719

A. Manifest Number WMNA 10970088

B. State Generator's ID TNHW 053

5. Transporter 1 Company Name Env. Tek Pilot — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6955 BOUDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2262

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
GENERATOR a. BURNED DRUMS WM Profile # 100709868			30 yd		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid 35841 5 R101

15. Special Handling Instructions and Additional Information

Tek Tous 28.59

Purchase Order # EMERGENCY CONTACT:

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: John R. Spencer — Signature "On behalf of" — Month 05 Day 13 Year 09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eulon Clayton — Signature: Eulon Clayton — Month 05 Day 13 Year 09

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: Francis Bond — Signature — Month 05 Day 13 Year 09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2292

Original
Ticket# 359406

RECEIVED MAY 27 2009 By

Customer Name HEPACO05 HEPACO
Ticket Date 05/13/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970084
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# STO6 Volume
Container
Driver
Check#
Billing # 0000025
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	05/13/2009 10:25:49	Scale1	FRANCIS		Gross	82360 lb
Out	05/13/2009 10:40:17	Scale1	FRANCIS		Tare	29780 lb
					Net	52580 lb
					Tons	26.29

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ------ MONDAY MAY 25th

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	26.29	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	26.29	Tons				SHE

Total Tax
Total Ticket

*Driver's Signature

403WM

10001006

WASTE MANAGEMENT

Tunica Landfill
4035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 358629

RECEIVED
MAY 21 2009
By

Customer Name HEPACOSE HERCO IMI_05
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970113
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 52 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator
In	05/14/2009 14:53:03	Scale1	FRANCIS
Out	05/14/2009 14:53:03		FRANCIS

Inbound

Gross	76600 lb
Tare	32180 lb
Net	44420 lb
Tons	22.21

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	22.21	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Env8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	22.21	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001006A

10001037

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN4121002851701 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 032-0719

A. Manifest Number WMNA 10970114

B. State Generator's ID TN HW 053

5. Transporter 1 Company Name KLB Trucking LLC — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6099 BOTLINE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2262

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
GENERATOR a. CRUSHED DRUMS WM Profile # 10970114	1		20 yds.		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell TK 4 Level 8

Grid # 35862

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: TONY 21.56

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Tyler R. Spivey		01	14	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
KLB Trucking	KLB Trucking	01	14	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Travis Boyd	Travis Boyd	01	14	09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

10001007A

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN4211007057 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 639-9719

A. Manifest Number WMNA 10970089

B. State Generator's ID TNHW 053

5. Transporter 1 Company Name Matthews + Rodd — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
4565 BOUDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2282

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 10970089			20 Yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 358420 Tons 21.08

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: John B. Soeny — Signature "On behalf of" — Month Day Year: 10 5 13 09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Barry Sexton #MR1 — Signature: Barry Sexton — Month Day Year: 10 5 13 09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: Tommy Rod — Signature: Tommy Rod — Month Day Year: 10 5 09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 356415

Customer Name HEPACO85 HEPACO
Ticket Date 05/13/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970008
Destination
PO 5081268
Profile 100709M6 (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

RECEIVED MAY 07 2009 By

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT1 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	05/13/2009 10:54:26	Scale1	FRANCIS		Gross	84780 lb
Out	05/13/2009 10:54:26		FRANCIS		Tare	27600 lb
					Net	57180 lb
					Tons	28.59

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ------ MONDAY MAY 25th

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	28.59	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf6-Env Fee $6 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	28.59	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001008

WASTE MANAGEMENT

Tunica Landfill
6035 Rowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 350622

RECEIVED MAY 18 2009 By

Customer Name HEPACO INC_85
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 1097011-4
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier KBINC KBINC
Vehicle# 8
Container
Driver
Check#
Billing # 00000085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	05/14/2009 14:15:31	Scale1	FRANCIS		Gross	70040 lb
Out	05/14/2009 14:15:31		FRANCIS		Tare	34920 lb
					Net	43120 lb
					Tons	21.56

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ------ MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	21.56	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf6-Env Fee #8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	21.56	Tons				SHE

Total Tax
Total Ticket

Driver's Signature Joe Francis

403WM

100010084

10001009

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No: TNH210617515 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 [illegible]

A. Manifest Number: WMNA 10970115

B. State Generator's ID: TN 4210053

5. Transporter 1 Company Name: Perry Trucking P02

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6005 BOMORE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone: 662 363-2222

11. Description of Waste Materials	12 Containers No.	12 Type	13 Total Quantity	14 Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 1107[illegible]			24 yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

TSH 358618
NR P2

Purchase Order # EMERGENCY CONTACT: Tom 280c

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature On behalf of	Month Day Year
John B. Senior		05/14/09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
RAY Stringer	Ray Stringer	05/14/09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year
Francine Bond	Francine Bond	05/14/09

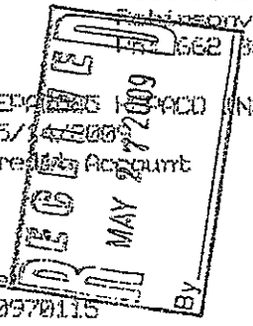
CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Powdre Rd
[illegible]ville, MS, 38664
[illegible] 662 363 2282

Original
Ticket# 358618



Customer Name HEP[illegible] INC_85
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970115
Destination
PO 5001266
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# P2 Volume
Container
Driver
Check#
Billing # 00000085
Gen EPA ID

	Time	Scale	Operator			
In	05/14/2009 14:03:12	Scale1	FRANCIS	Inbound	Gross	89280 lb
Out	05/14/2009 14:03:12		FRANCIS		Tare	33160 lb
					Net	56120 lb
					Tons	28.06

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	28.06	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	28.06	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001010

10001011

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNHW1010125171 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1718 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 650-0719

A. Manifest Number **WMNA 10970116**

B. State Generator's ID TN HW 053

5. Transporter 1 Company Name Strayhorn Trkg Stcb — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE YUNDA LANDFILL
6005 BOWERS ROAD
ROBINSONVILLE MS 38664 — 10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2382

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 10970116			RQ's		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 358615 Tons 31.17

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John B Spearman		10	15	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
John DeLoach STCB	John DeLoach	10	15	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Tommy Roy	Tommy Roy	10	15	09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2252

Original
Ticket# 358420

RECEIVED MAY 07 2009 By

Customer Name HEPACO85 HEPACO II
Ticket Date 05/13/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970089
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# MR1 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	05/13/2009 11:05:11	Scale1	FRANCIS		Gross	74600 lb
Out	05/13/2009 11:05:11		FRANCIS		Tare	32320 lb
					Net	42160 lb
					Tons	21.08

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ------- MONDAY MAY 25th

Product		LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	21.08	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	21.08	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001011A

10001013

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. 7 W 4 2 1 0 2 7 0 5 7 1 0 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DURAN AVENUE
MEMPHIS TN 38114

A. Manifest Number **WMNA 10970090**

B. State Generator's ID TN HU 053

4. Generator's Phone 210 638-8719

5. Transporter 1 Company Name: Ross Trucking — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6635 BOWDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2262

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 10070048			21 Yards		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 358448 Tons - 31.02

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John R. Spivey		05	12	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
CP Whitehurst RTO4		05	13	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Tommy Rod		05	13	09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WM
WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 358615

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code 2
Manifest 10[illegible]116
Destination
PO 5001268
Profile [illegible] (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# STC6
Container
Driver
Check#
Billing # 00000085
Gen EPA ID

DEC 17 2009

	Time	Scale	Operator	Inbound		
In	05/14/2009 13:43:23	Scale1	FRANCIS		Gross	92120 lb
Out	05/14/2009 13:43:23		FRANCIS		Tare	29780 lb
					Net	62340 lb
					Tons	31.17

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

Product		LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	31.17	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	31.17	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001012A

10001013

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNR 1 0 0 1 7 2 5 7 2 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 638-8719

A. Manifest Number WMNA 10970117

B. State Generator's ID TNHW 053

5. Transporter 1 Company Name Strayhorn Trucking — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6955 BOWLINE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2282

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 1607028MS			20 M/S		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K Disposal Location

Cell Level

Grid 35B 61Y

15. Special Handling Instructions and Additional Information

TK 57C1
10 Ns 30.41

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name Ted B. Sweeney — Signature "On behalf of" — Month Day Year 10 15 19

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Ray Hunt — Signature — Month Day Year 10 15 19

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Darwin Boyd — Signature — Month Day Year 10 15 19

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Landfill
[illegible] Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 358448

RECEIVED MAY 27 2009 By

Customer Name HEPACO-HEPACO INC_05
Ticket Date 05/13/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 101007090
Destination
PO 5001268
Profile 100703MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT04
Container
Driver
Check#
Billing # 0000005
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	05/13/2009 13:33:49	Scale1	FRANCIS		Gross	90840 lb
Out	05/13/2009 13:33:49		FRANCIS		Tare	28800 lb
					Net	62040 lb
					Tons	31.02

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ------- MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	31.02	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf0-Env Fee $0 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	31.02	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

100010134

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

10001014 CWM

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN 4 2 1 1 0 1 0 7 0 5 7 1 0 — Manifest Document No.

2 Page 1 of 4

3. Generator's Name and Mailing Address
DEFENSE DEPOT
1716 ELVIS AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 532-8719

A. Manifest Number **WMNA 10970091**

B. State Generator's ID TN HW 053

5. Transporter 1 Company Name Williams + Ross — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6065 BOWDRE ROAD
ROBINSONVILLE MS 38664 — 10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2282

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURNED BRICKS WM Profile # 1607BMS			20 yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # Ticket # 358451 EMERGENCY CONTACT: Tons - 25.94

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John B. Sean V		10	5	10

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Billy Sexton #MR1	Billy Sexton	10	5	10

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Tommy Red	Tommy Red	10	5	10

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Voudre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 358614

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970117
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# STCi
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

Volume

	Time	Scale	Operator			
In	05/14/2009 13:40:23	Scale1	FRANCIS	Inbound	Gross	93540 lb
Out	05/14/2009 13:40:23		FRANCIS		Tare	32720 lb
					Net	60820 lb
					Tons	30.41

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	30.41	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf3-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	30.41	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001014A

10001015

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWM

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNH121107515710 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 539-0719

A. Manifest Number **WMNA** 10970118

B. State Generator's ID TNHW 053

5. Transporter 1 Company Name RIDGE TOP 201 — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6005 BOWDRE ROAD
ROBINSONVILLE MS 38664 — 10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2202

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 100712WS			20yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 358607 Tons - 30.54

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name Tom R Spivey — Signature "On behalf of" — Month 05 Day 14 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Eddie Clayton — Signature — Month 05 Day 14 Year 07

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Tommy Reed — Signature — Month 05 Day 14 Year 07

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
[illegible] 9282

Original
Ticket# 359451

RECEIVED MAY 27 2009 By

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 05/13/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 1097009
Destination
PO 50001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# MR1 Volume
Container
Driver
Check#
Billing # 0000095
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	05/13/2009 13:40:17	Scale1	FRANCIS		Gross	84420 lb
Out	05/13/2009 13:40:17		FRANCIS		Tare	32520 lb
					Net	51900 lb
					Tons	25.94

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	25.94	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	25.94	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

100010154

10001016

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN4121102652 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 2106394719

A. Manifest Number WMNA 10970092

B. State Generator's ID TNHW053

5. Transporter 1 Company Name Ross TRK RTO1 — 6. US EPA ID Number — C. State Transporter's ID — D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number — E. State Transporter's ID — F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6955 DONAHE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number — G. State Facility's ID — H. Facility's Phone 662 363-2282

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURNED DEBRIS WM Profile # 1057783845			710 yd 3		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Ticket #358446 Tons - 31.90

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John B. Spivey		10	13	15

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Ewell Clayton #RTO1	Ewell Clayton	10	13	15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Tammy Ray	Tammy Ray	10	13	15

CWM - NHM - 1 - 5/07

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 338607

Customer Name HEI0085 MEPACO INC_85
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket# 0
Hauling Ticket#
Route
State Waste Code
Manifest
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT1
Container
Driver
Check#
Billing # 00000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	05/14/2009 13:17:55	Scale1	FRANCIS		Gross	80680 lb
Out	05/14/2009 13:17:55		FRANCIS		Tare	27600 lb
					Net	61080 lb
					Tons	30.54

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ------ MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	30.54	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	30.54	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

100010164

10001017

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWM

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNR 000 705 124 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1714 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 533-9719

A. Manifest Number **WMNA 10970119**

B. State Generator's ID TNR 053

5. Transporter 1 Company Name Strayhorn Trkng STC6

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6095 BOUNDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2282

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED INJURIS WM Profile # 10070SMS			20 yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Ticket # 358579 Tons - 27.46

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature on behalf of	Month	Day	Year
Jim B. Stevens		10	15	19

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
John DeLoach STC6	John DeLoach			

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		10	15	19

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Tammy Red	Tammy Red	10	21	19

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Rowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2202

Original
Ticket# 358446

Customer Name HEPACO85 HEPACO INC 05
Ticket Date 05/13/2009
Payment Type Credit Accou
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970092
Destination
PO 5001268
Profile 100709MS (BURNED GRAINS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

RECEIVED MAY 27 2009 By

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT1 Volume
Container
Driver
Check#
Billing # 6000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	05/13/2009 13:29:12	Scale1	FRANCIS		Gross	91400 lb
Out	05/13/2009 13:29:12		FRANCIS		Tare	27600 lb
					Net	63800 lb
					Tons	31.90

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ------ MONDAY MAY 25th

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	31.90	Tons				SHE
2	FUEL-Fuel Surchary	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	31.90	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001017A

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NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

CWM

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. T N 5 2 1 0 0 7 0 5 7 0 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1710 BURN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 533-9719

A. Manifest Number WMNA 10970093

B. State Generator's ID TNHW 053

5. Transporter 1 Company Name Steckman Trkg STCo — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6565 ROMOKE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2282

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 10070048			20 yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid 3FK40

15. Special Handling Instructions and Additional Information

1 Load FR STCo TONS 28.51

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John B. Sperry		05	13	04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
John Dellard	John Dellard	05	13	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Frances Boyd	Frances Boyd	05	13	04

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
East Bowdre Rd
Robinsonville, MS, 38664
Ph 662 363 2282

Original
Ticket# 350579

RECEIVED MAY 27 2009 BY

Customer Name HEPACO HEPACO INC_85
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970119
Destination
PO 5081268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# STO6
Container
Driver
Check#
Billing # 00000085
Gen EPA ID

Volume

	Time	Scale	Operator			
In	05/14/2009 11:59:01	Scale1	FRANCIS	Inbound	Gross	84700 lb
Out	05/14/2009 11:59:01		FRANCIS		Tare	29780 lb
					Net	54920 lb
					Tons	27.46

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ------ MONDAY MAY 25th

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	27.46	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	27.46	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

100010184

10001019

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12 pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No: TNR 0 0 0 7 9 5 7 0 — Manifest Document No.

2. Page 1 of 1

A. Manifest Number: **WMNA 10970120**

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 650-9719

B. State Generator's ID: TNHW 053

5. Transporter 1 Company Name: K&B Trucking LLC — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6255 BOWLINE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2262

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 10970120			20 yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

TK 358583 KB 8

Purchase Order # EMERGENCY CONTACT: TONY 21.50

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
John R. Sweat		05 14 19

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Jeff Foster	Jeff Foster	05 14 19

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facilitily Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year
Frances Boyd	Frances Boyd	05 14 19

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6835 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 359440

RECEIVED MAY 27 2009 By

Customer Name HEPACO85 HEPACO
Ticket Date 05/13/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970093
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 101-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# STC6 Volume
Container
Driver
Check#
Billing # 00000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	05/13/2009 12:35:19	Scale1	FRANCIS		Gross	86000 lb
Out	05/13/2009 12:35:19		FRANCIS		Tare	29780 lb
					Net	57020 lb
					Tons	28.51

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	28.51	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $0 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	28.51	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

J0001019A

10001020

WM WASTE MANAGEMENT — NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNH210105717 — Manifest Document No.
2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114
4. Generator's Phone 210 [illegible] 9719

A. Manifest Number WMNA 10970094
B. State Generator's ID TN HW 053

5. Transporter 1 Company Name: Stringtown Trucking — 6. US EPA ID Number
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
4038 BOWMORE ROAD
ROBINSONVILLE MS 38664
10. US EPA ID Number
G. State Facility's ID
H. Facility's Phone 662 363-2282

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 1057[illegible]			79 yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill _____ Solidification _____
Bio Remediation _____

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
TKT JK1 Ticket # 358438 Tons - 32.28
Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John B. Sperry				

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Dusty Knight		03	13	07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19 Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Tammy Reed	Tammy Reed	03	13	07

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2202

Original
Ticket# 358583

RECEIVED MAY 07 2009 By

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket# 7
Hauling Ticket# %
Route
State Waste Code
Manifest 100970120
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# K88 Volume
Container
Driver
Check#
Billing # 00000005
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	05/14/2009 12:20:17	Scale1	FRANCIS		Gross	78040 lb
Out	05/14/2009 12:20:17		FRANCIS		Tare	35040 lb
					Net	43000 lb
					Tons	21.50

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	21.50	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $0 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	21.50	Tons				SHE

Total Tax
Total Ticket

Driver's Signature Joey Francis

403WM

100010204

10001021

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CW24

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNV120070510 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 925-5719

A. Manifest Number WMNA 10970121

B. State Generator's ID MW 053

5. Transporter 1 Company Name Ferrell Trucking P02

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6138 BOWDRE ROAD
DORSEY MILLS MS 38664

10. US EPA ID Number

G State Facility's ID

H. Facility's Phone 662 363-2202

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
GENERATOR a. BURIED DRUMS WM Profile # 10970121AS			20 yds.		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Tank 37858
Tank 2

Purchase Order # EMERGENCY CONTACT: John 2555

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John B. Sperry		10	15	19

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Ron Stringer		10	15	19

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator. Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Carol		10	17	19

CWM - NHM 1 - 5/97 #3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Turnica Landfill
6635 Bowdre Rd
Robinsonville, MS, 38664
Ph: (

Original
Ticket# 350438

RECEIVED MAY 27 2009 By

Customer Name HEPACOBS HEPACOS INC
Ticket Date 05/13/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 101G970094
Destination
PO 5001268
Profile 100709MS (BLNKED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# JK1 Volume
Container
Driver
Check#
Billing # 0000005
Gen EPA ID

	Time	Scale	Operator	Inbound	Gross	76100 lb
In	05/13/2009 12:26:30	Scale1	FRANCIS		Tare	31540 lb
Out	05/13/2009 12:26:30		FRANCIS		Net	44560 lb
					Tons	22.28

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ------ MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Account	Origin
1	Special Misc-Tons-	100	22.28	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf0-Env Fee $6 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	22.28	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

VT2010094

10001022

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN4121010015701 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1710 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 [illegible]

A. Manifest Number WMNA 10970095

B. State Generator's ID TN HW 053

5. Transporter 1 Company Name Perry Trucking #02

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6865 BOWDRE ROAD
[illegible]

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2202

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 10070SMS			20yd		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid [illegible] 35 & 30

15. Special Handling Instructions and Additional Information

TRK P2

Purchase Order # EMERGENCY CONTACT: TOM 24 HR

16. GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
John B. Spencer		10/15/09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Perry Stringer		10/15/09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month Day Year
Francis Boyd		10/15/09

CWM - NHM - 1 6/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
F:+ 662 363 2282

Original
Ticket# 356582

RECEIVED
MAY 2
BY

Customer Name MACCOSS HERCO INC_85
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# P2 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	05/14/2009 12:17:01	Scale1	FRANCIS		Gross	85060 lb
Out	05/14/2009 12:17:01		FRANCIS		Tare	33160 lb
					Net	51900 lb
					Tons	25.95

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	25.95	Tons				SHE
2	FUEL-Fuel Surchary	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	25.95	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

100010224

10001023

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN4121010205710 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
DEFENSE DEPOT
1716 DIANN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 638-3719

A. Manifest Number **WMNA 10970122**

B. State Generator's ID TNHW053

5. Transporter 1 Company Name — 6. US EPA ID Number — C. State Transporter's ID — D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number — E. State Transporter's ID — F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6035 BOWDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number — G. State Facility's ID — H. Facility's Phone 662 363-2282

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 10970243			12P yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell A Level 3 S28592

Grid K B 10

TONS 29.56

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John R. Spencer		05	14	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		05	14	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
		05	14	09

NM - NHM - 1 - 6/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: [illegible] 2832

Original
Ticket# 356430

RECEIVED MAY 27 2009 By

Customer Name HEPACOAS HE PACO [illegible]_AS
Ticket Date 05/13/2009
Payment Type Credit Acco[illegible]
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970095
Destination
PO 5001268
Profile 180709MB (BURNED) DRUMS
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# P2 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	05/13/2009 12:09:52	Scale1	FRANCIS		Gross	83060 lb
Out	05/13/2009 12:09:52		FRANCIS		Tare	33160 lb
					Net	49900 lb
					Tons	24.95

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ------ MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	24.95	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	24.95	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

100010234

10001024

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN4211010765710 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 638-8719

A. Manifest Number WMNA 10970096

B. State Generator's ID TN HW053

5. Transporter 1 Company Name Sirkin Trucking 52 — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6955 SCHERR ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2282

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 10970096			24 yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

TCH 3584 25
MK NL 52
Purchase Order # EMERGENCY CONTACT: TONY 2010

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John R. Spraw		6	13	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Louis Sirkin		6	13	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Ronnie Bond		10	5	09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

RECEIVED
MAY 27 2009
By

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 358592

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970122
Destination
PO 5001868
Profile 100706MS (BURNED DRUMS)
Generator 1A1-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# KB10
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	05/14/2009 12:51:55	Scale1	FRANCIS		Gross	94300 lb
Out	05/14/2009 12:51:55		FRANCIS		Tare	35180 lb
					Net	59120 lb
					Tons	29.56

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ------ MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	29.56	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	29.56	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001024A

10001025

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN4210017052 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1776 DINN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 [illegible]-2719

A. Manifest Number WMNA 10970123

B. State Generator's ID TNHW053

5. Transporter 1 Company Name Matthews Trans

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
TUNICA LANDFILL
6185 BOWMORE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2282

11. Description of Waste Materials	12. Containers No	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURNED DRUMS WM Profile # [illegible]					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # Ticket # 358588 EMERGENCY CONTACT: Tons 27.33

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name John B Sparks — Signature "On Behalf of" — Month 10 Day 5 Year 09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Billy Sexton MRI — Signature [signature] — Month 10 Day 5 Year 09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Tommy Rod — Signature [signature] — Month 10 Day 5 Year 09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Powdre Rd
Robinsonville, MS, 38664
Ph:

Original
Ticket# 358425

RECEIVED MAY 27 2009 By

Customer Name HEPACO85 HEPACO ING85
Ticket Date 05/13/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 109700096
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 52 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator			
In	05/13/2009 11:48:05	Scale1	FRANCIS	Inbound	Gross	72300 lb
Out	05/13/2009 11:48:25		FRANCIS		Tare	32180 lb
					Net	40020 lb
					Tons	20.10

Comments

OPEN:MEMORIAL DAY 6:00 AM - 11:00 AM ------ MONDAY MAY 25th

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	20.10	Tons				SHE
2	FUEL-Fuel Surchary	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	20.10	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001025A

10001026

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

CWM

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN4210017057 9 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 600-0719

A. Manifest Number WMNA 10970097

B. State Generator's ID TNHW 053

5. Transporter 1 Company Name ROSS TRUCKING — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6005 ROBINSON ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone (662) 363-2202

11. Description of Waste Materials	12. Containers No	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. EMPTY DRUMS WM Profile # 10970097			20 yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill _____ Solidification _____
Bio Remediation _____

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
Tax # 358423
TK RT04
Purchase Order # EMERGENCY CONTACT: TONS 20 yds

16. GENERATOR'S CERTIFICATION:
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: John B. Sperry — Signature "on behalf of" — Month 05 Day 13 Year 09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: G Whitehurst RT04 — Signature: G Whitehurst — Month 05 Day 13 Year 09

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19 Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.
Printed/Typed Name: Francis Berry — Signature — Month 05 Day 13 Year 09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
[illegible] 363 2282

Original
Ticket# 358508

RECEIVED MAY 20 2009 By

Customer Name HEPACO HEPACO INC_85
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10070[illegible]
Destination
PO 5001266
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# MR1
Container
Driver
Check#
Billing # 00000085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	05/14/2009 12:41:12	Scale1	FRANCIS		Gross	87180 lb
Out	05/14/2009 12:41:12		FRANCIS		Tare	32520 lb
					Net	54660 lb
					Tons	27.33

Comments

OPEN MEMORIAL DAY 6:00 AM – 11:00 AM ——— MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	27.33	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf0-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	27.32	Tons				SHE

Total Tax
Total Ticket

Driver's Signature Billy

403WM

10001026A

10001027

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN4211001705 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 650-0719

A. Manifest Number WMNA 10970124

B. State Generator's ID TX/HW057

5. Transporter 1 Company Name: Ross Trucking

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6035 BOWDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2282

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. RUBBER DEBRIS WM Profile # 100762AS			2P yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # Ticket # 3585 68 EMERGENCY CONTACT: Tons - 27.08

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John R Spence		10	15	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
CP Whitehurst RTO4	CP Whitehurst	10	15	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Tommy Reed	Tommy Reed	10	15	09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 358624

Customer Name [redacted] INC_85
Ticket Date [redacted]
Payment Type Credit account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest
Destination
PO
Profile 100709WS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# MR1 - Volume
Container
Driver
Check#
Billing # 00000085
Gen EPA ID

RECEIVED MAY 27 2009 By

	Time	Scale	Operator			
In	05/14/2009 14:25:41	Scale1	FRANCIS	Inbound	Gross	84900 lb
Out	05/14/2009 14:25:41		FRANCIS		Tare	32520 lb
					Net	52380 lb
					Tons	26.19

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	26.19	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf0-Env Fee $0 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	26.19	Tons				SHE

Billy

Total Tax
Total Ticket

Driver's Signature

403WM

100102A

10001028

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWMI

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNH B1606705171 Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

A. Manifest Number **WMNA 10970098**

B. State Generator's ID TNH1053

4. Generator's Phone 210 539-0719

5. Transporter 1 Company Name T&T Trucking (P02)

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
4555 BOWDRE ROAD
ROBINSONVILLE MS 38664

10 US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2252

GENERATOR	11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
	a. BURIED DRUMS WM Profile # 10970098			20 yards		
	b. WM Profile #					
	c. WM Profile #					
	d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Ticket # 358491

Purchase Order # EMERGENCY CONTACT: Tom - 33.18

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John B. Spence		10	15	19

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
RAM Stringer		10	15	19

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator. Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Tammy Rod	Tammy Rod	10	14	19

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
tel: 662 363 2202

Original
Ticket# 359560

RECEIVED
MAY 20
By

Customer Name HEPACO HEPACO INC_05
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10[illegible]
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT04 Volume
Container
Driver
Check#
Billing # 00003085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	05/14/2009 11:08:05	Scale1	FRANCIS		Gross	82960 lb
Out	05/14/2009 11:08:05		FRANCIS		Tare	28800 lb
					Net	54160 lb
					Tons	27.08

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ------ MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	27.08	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	27.08	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

100010284

10001029

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. T N 4 2 1 0 0 7 0 5 7 0 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 BURN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 638-2719

A. Manifest Number WMNA 10970125

B. State Generator's ID TNHW053

5. Transporter 1 Company Name Ross TRK 210

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
4085 ROWDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2282

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
GENERATOR a. BURIED DRUMS WM Profile # 100768148			129yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Ticket # 358566 Tons- 25.06

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John B. Sperry		01	14	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
EWELL CLAYTON	Ewell Clayton	01	14	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year
Timmy Reed	Timmy Reed	01	14	09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 358423

RECEIVED MAY 27 2009 By

Customer Name MEPACO85 MEPACO
Ticket Date 05/13/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970097
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT04 Volume
Container
Driver
Check#
Billing # 0000005
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	05/13/2009 11:31:14	Scale1	FRANCIS		Gross	82480 lb
Out	05/13/2009 11:31:14		FRANCIS		Tare	20000 lb
					Net	53680 lb
					Tons	26.84

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	26.84	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	EVT8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	26.84	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001029A

10001030

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No: TNRV10DV5FP1 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 639-9719

A. Manifest Number: WMNA 10970099

B. State Generator's ID: TNHW 053

5. Transporter 1 Company Name: Matthews + Kerr

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6035 ROMARK ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone: 662 363-2882

11. Description of Waste Materials	12. Containers No	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
GENERATOR a. BURIED DRUMS WM Profile # 10070048			210 YDS		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell: T-4 Level: 358 4>7

Grid: TR MR1

TUNICA 30-4-6

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John R Sa		10	13	05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Billy Sexton	B. Billy Sexton	10	13	05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year
Evonne Boyd		10	13	05

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
Howe Ire Rd
Robinsonville, MS, 38664
PH: 662 363 2282

Original
Ticket# 358566

RECEIVED
MAY 20 2009
By

Customer Name HEPACO HEPACO INC_85
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970125
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT1
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	05/14/2009 11:04:29	Scale1	FRANCIS		Gross	77720 lb
Out	05/14/2009 11:04:29		FRANCIS		Tare	27600 lb
					Net	50120 lb
					Tons	25.06

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	25.06	Tons				SHE
2	FUEL-Fuel Surchary	100		%				SHE
3	Evf0-Env Fee $0 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	25.06	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001030A

10001031

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNA211100171 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 [illegible]

A. Manifest Number WMNA 10970126

B. State Generator's ID TNHW 057

5. Transporter 1 Company Name Stephens Trucking JK1

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6055 BOWDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2262

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 1007003215			20 yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # Ticket # 3585602 EMERGENCY CONTACT: Tons 25.10

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John B. Sweazy		10	14	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Dusty Knight JK1		10	14	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Tammy Reed		10	14	09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 358477

Customer Name HEPAC085 HEPA
Ticket Date 05/13/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970099
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

RECEIVED MAY 27 2009 By

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# MR1 Volume
Container
Driver
Check#
Billing # 00000085
Gen EPA ID

	Time	Scale	Operator			
In	05/13/2009 15:32:33	Scale1	FRANCIS	Inbound	Gross	93440 lb
Out	05/13/2009 15:32:33		FRANCIS		Tare	32520 lb
					Net	60920 lb
					Tons	30.46

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	30.46	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	30.46	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001031A

10001032

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

CWM94

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNH121012572 Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 638-9710

A. Manifest Number WMNA 10970101

B. State Generator's ID TNH4053

5. Transporter 1 Company Name Stephens Trucking

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6955 BOWDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2232

11 Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 100788165			20 yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Tariff 358471
4/4 STC 6

Purchase Order # EMERGENCY CONTACT: Tonia 32.80

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John R. Spence		10	5	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
John Dolack	John Dolack	10	5	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Francis Boyd		10	7	09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2302

Original
Ticket# 358562

RECEIVED
MAY 26
BY

Customer Name HERCCO89 HERCO INC_85
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest
Destination
PO 5001260
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# JK1 Volume
Container
Driver
Check#
Billing # 00000005
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	05/14/2009 10:57:49	Scale1	FRANCIS		Gross	81740 lb
Out	05/14/2009 10:57:49		FRANCIS		Tare	31540 lb
					Net	50200 lb
					Tons	25.10

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	25.10	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf0-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	25.10	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

100010324

10001033

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWM

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN 4 2 1 0 1 0 7 0 5 7 0 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address.
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 635-3719

A. Manifest Number WMNA 10970127

B. State Generator's ID TNHO053

5. Transporter 1 Company Name Shirley Trucking Co. — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6605 BOWDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2282

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURNED DRUMS WM Profile # 10970246			20 yd3		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

TK 358 540
TK 32
TONY 22.56

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John B. Sperry		0 5	1 4	0 9

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Louis Shirley	Louis Shirley			

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Tommie Boyd	Tommie Boyd			

CWM - NHM - V - 5/97

#3 - TRANSPORTER #1 COPY

WM
WASTE MANAGEMENT

RECEIVED
MAY 7 2009
By

Tunica Landfill -
6025 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 8282

Original
Ticket# 358471

Customer Name: DEPAC085 HERACO INC_85
Ticket Date: 05/13/2009
Payment Type: Credit Account
Manual Ticket#:
Hauling Ticket#:
Route:
State Waste Code:
Manifest: 10970101
Destination:
PO: 5001268
Profile: 100709M6 (BURNED DRUMS)
Generator: 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier: MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle#: STC6
Container:
Driver:
Check#:
Billing #: 00000085
Gen EPA ID:
Volume:

	Time	Scale	Operator	Inbound		
In	05/13/2009 14:47:26	Scale1	FRANCIS		Gross	91380 lb
Out	05/13/2009 14:47:26		FRANCIS		Tare	29780 lb
					Net	61600 lb
					Tons	30.80

Comments:

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	30.00	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf0-Env Fee $0 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	30.00	Tons				SHE

E Dixon

Total Tax
Total Ticket

Driver's Signature

403WM

10001033A

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

10001034

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNH210020517 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 BURNS AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 [illegible]

A. Manifest Number **WMNA 10970102**

B. State Generator's ID TN HW 053

5. Transporter 1 Company Name Stanley Trucking — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6055 BOWERS ROAD
ROBINSONVILLE MS 38664 — 10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2282

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 100700218		1	20 yards		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell: Grid H — Level: 359 469

15. Special Handling Instructions and Additional Information

TK — JK

TONS — 31.01

Purchase Order # — EMERGENCY CONTACT:

16 GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations..

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John R Spencer		10	31	19

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]		10	31	19

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year
Francis Boyd	Francis Boyd	10	31	19

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WM
WASTE MANAGEMENT

RECEIVED
MAY 27 2009
By

Tunica Landfill
5035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 358590

Customer Name HERACO85 HERACO INC_85
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Reason
Route
State Waste Code
Manifest 10970127
Destination
PO 5001258
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 52
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

Volume

	Time	Scale	Operator			
In	05/14/2009 12:46:35	Scale1	FRANCIS	Inbound	Gross	77300 lb
Out	05/14/2009 12:46:35		FRANCIS		Tare	32180 lb
					Net	45120 lb
Comments					Tons	22.56

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ------ MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	22.56	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf6-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	22.56	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

100010344

10001035

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No: TN4121010176 | Manifest Document No.

2. Page 1 of 1

A. Manifest Number: WMNA 10970128

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 638-8710

B. State Generator's ID: TNH6053

5. Transporter 1 Company Name: ROSS TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6085 DUNDEE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2262

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 100709165			20 yds.		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell: Gdl/ Level: 358526

15. Special Handling Instructions and Additional Information

TK RT34

Purchase Order # EMERGENCY CONTACT: TONY 27.96

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John R. Sisson		10	5	09

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
CP Whitehurst RT34	CP Whitehurst	10	5	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Francis Bond	Francis Bond	10	5	09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Rowhre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 358469

RECEIVED MAY 27 2009 By

Customer Name HEPACO85 HE
Ticket Date 05/13/2009
Payment Type Credit Accou
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970102
Destination
PO 5001268
Profile 100709MS (MIXED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# JK1 Volume
Container
Driver
Check#
Billing # 00000085
Gen EPA ID

	Time	Scale	Operator			
In	05/13/2009 14:39:49	Scale1	FRANCIS	Inbound	Gross	93660 lb
Out	05/13/2009 14:39:49		FRANCIS		Tare	31540 lb
					Net	62020 lb
					Tons	31.01

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ------ MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	31.01	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TKT-TRANSPORTATION	100	31.01	Tons				SHE

Total Tax
Total Ticket

Driver's Signature Dusty K

403WM

100010354

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

10001036 CWM

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNR 1010 2517 | Manifest Document No. | 2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 [illegible]

A. Manifest Number **WMNA 10970103**

B. State Generator's ID TNHW053

5. Transporter 1 Company Name Strayhorn Trucking | 6. US EPA ID Number | C. State Transporter's ID | D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6065 BOWDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number | G. State Facility's ID | H. Facility's Phone 662 363-2262

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Misc. Comments
a. BURIED DRUMS WM Profile # 100700AGS			210 yards		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell _____ Level _____

Grid _____

15. Special Handling Instructions and Additional Information

TX LOAD # 358466 STC 1 28.35

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name John B. Spencer | Signature "On behalf of" | Month 05 Day 15 Year 99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Kay Jones | Signature | Month 05 Day 15 Year 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certification of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Francis Boyd | Signature Francis Boyd | Month 05 Day 15 Year 99

CWM - NHM - 1 - 5/97

#4 - GENERATOR #2 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 3563585

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 1097012236
Destination
PO 5001268
Profile 100709MS (BUN[illegible]DRUMS)
Generator 181-MEMPHISDEF[illegible] MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT04 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

RECEIVED
MAY 27 2009
BY

	Time	Scale	Operator	Inbound		
In	05/14/2009 09:19:07	Scale1	FRANCIS		Gross	94720 lb
Out	05/14/2009 09:19:07		FRANCIS		Tare	38800 lb
					Net	55920 lb
					Tons	27.96

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	27.96	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf0-Env Fee $0 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	27.96	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001036

10001037

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNH210170170 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 [illegible]-6719

A. Manifest Number **WMNA 10970129**

B. State Generator's ID TNH4053

5. Transporter 1 Company Name: Strahan Trucking — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
TIE TUNICA LANDFILL
6165 DOWDRE ROAD
ROBINSONVILLE MS 38664

10 US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2262

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 10970129			21012		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 358535 Tons 28.14

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name John B. Sanders — Signature "On behalf of" — Month 05 Day 14 Year 09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Ray Young — Signature — Month 05 Day 14 Year 09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Tommy Ray — Signature — Month 05 Day 14 Year 09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 358466

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 05/13/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970103
Destination
PO 5001268
Profile 100709MS (BURNED RAGS)
Generator 181-MEMPHISDEFENSE DEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# STC1
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

RECEIVED MAY 27 2009 BY

	Time	Scale	Operator	Inbound		
In	05/13/2009 14:21:01	Scale1	FRANCIS		Gross	87600 lb
Out	05/13/2009 14:21:01		FRANCIS		Tare	30900 lb
					Net	56700 lb
					Tons	28.35

Comments

OPEN MEMORIAL DAY 6:00 AM -- 11:00 AM ------ MONDAY MAY 25th

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	28.35	Tons				SHE
2	FUEL-Fuel Srrcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	28.35	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

100010374

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

10001038

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNR 12 10 10 7 05 7 10 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS, TN 38114

4. Generator's Phone (901) 544-3749 POD

A. Manifest Number **WMNA 10970104**

B. State Generator's ID TNHW053

5. Transporter 1 Company Name — 6. US EPA ID Number — C. State Transporter's ID — D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number — E. State Transporter's ID — F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6955 BOWDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2282

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 10070048			20 yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # Ticket # 358460 EMERGENCY CONTACT: Tons 22.79

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John B. Spence		01	31	13

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Ray Stringer		01	31	13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year
Tommy Reed		01	31	13

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Rowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 358535

RECEIVED MAY 27 2009 BY

Customer Name HEPACO85 HEPACO
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970129
Destination
PO 5001266
Profile 100705MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# STC1 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator			
In	05/14/2009 09:52:16	Scale1	FRANCIS	Inbound	Gross	89080 lb
Out	05/14/2009 09:52:16		FRANCIS		Tare	32720 lb
					Net	56280 lb
					Tons	28.14

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Special Misc-Tons-	100	28.14	Tons				SHE
2 FUEL-Fuel Surcharg	100		%				SHE
3 Evf8-Env Fee #8 Lg	100	1	Load				SHE
4 TRT-TRANSPORTATION	100	28.14	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

100010384

10001039

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No: TN4210170570 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 634-3719

A. Manifest Number: WMNA 10970130

B. State Generator's ID: TN4210570

5. Transporter 1 Company Name: Stephens Trking STCL — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6135 BOWDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone: 662 363-2262

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a BURIED DRUMS — WM Profile # 10070045					
b. — WM Profile #					
c. — WM Profile #					
d. — WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid TC-H 5TC6

15. Special Handling Instructions and Additional Information

TC-H STC6

Purchase Order # EMERGENCY CONTACT: TONY 2367

16. GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: John K. Spann V — Signature "On behalf of" — Month Day Year: 10 5 14 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: John DeCarli — Signature: John DeCarli — Month Day Year: 10 5 14 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: Carmelia Boyd — Signature: Carmelia Boyd — Month Day Year: 10 5 14 04

CWM - NHM - 1 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 358491

Customer Name HEPACO85 HEPACO
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 100708098
Destination
PO 5001268
Profile 100709FS (BURNED DATA)
Generator 101-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# P2 Volume
Container
Driver
Check#
Billing # 00000085
Gen EPA ID

RECEIVED MAY 27 2009 By

	Time	Scale	Operator	Inbound		
In	05/14/2009 06:09:08	Scale1	Tammy		Gross	99520 lb
Out	05/14/2009 06:09:08		Tammy		Tare	33160 lb
					Net	66360 lb
					Tons	33.18

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	33.18	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf0-Env Fee $0 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	33.18	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001039A

NON-HAZARDOUS MANIFEST

10001040

WASTE MANAGEMENT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNH 211 101 710 526 — Manifest Document No.

2. Page 1 of 1

A. Manifest Number WMNA 10970105

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 638-3719

B. State Generator's ID TNH 053

5. Transporter 1 Company Name Strayhorn Trucking — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6955 BOWDRE ROAD
ROBINSONVILLE MS 38664 — 10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2262

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURNED DEBRIS WM Profile # 1697102665			20 yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

TK# STC1 Ticket #358480 Tons - 34.37

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name John B. Sperry — Signature "On behalf of" — Month 05 Day 13 Year 09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Ricky Davis — Signature — Month 05 Day 13 Year 09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name Tammy Reed — Signature — Month 05 Day 14 Year 09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2262

Original
Ticket# 3556340

RECEIVED
MAY 27 2009
By

Customer Name HE[illegible]085 MEPAD[illegible] INC_85
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest [illegible]
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# STOS
Container
Driver
Check#
Billing # 00000085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	05/14/2009 10:05:13	Scale1	FRANCIS		Gross	77120 lb
Out	05/14/2009 10:05:13		FRANCIS		Tare	29780 lb
					Net	47340 lb
					Tons	23.67

Comments

OPEN MEMORIAL DAY 6:00 AM – 11:00 AM ——— MONDAY MAY 25th

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons--	100	23.67	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf0-Env Fee $0 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	23.67	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001040A

10001041

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

CWM

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. T N 4 2 1 1 0 0 1 7 2 5 7 0 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DURR AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 630-9719

A. Manifest Number WMNA 10970131

B. State Generator's ID TNHJ053

5. Transporter 1 Company Name LR Trucking #8

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6985 BOUDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2282

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURNED DEBRIS WM Profile # 1087GMS			20 yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Ticket # 358595 TR 14 K+B 8

Purchase Order # EMERGENCY CONTACT: Tons - 23.04

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature (On behalf of*)	Month	Day	Year
John B Sawyer		05	14	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Bert Farrer	Bert Farrer	05	14	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Bert Farrer				

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Damany Rod	Damany Rod	05	17	09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 350480

RECEIVED
MAY 27 2009
By

Customer Name HEPAD085 HEPACHEM INC 85
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
Shaw Waste Code
Manifest 10970105
Destination
PO 5081268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# STC1
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator			
In	05/14/2009 05:24:28	Scale1	Tammy	Inbound	Gross	101460 lbs
Out	05/14/2009 05:43:11	Scale1	Tammy		Tare	32720 lb
			* Manual Weight		Net	68740 lb
Comments					Tons	34.37

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	34.37	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	34.37	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001041A

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

10001042 CWM1

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN4121010710570 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 638-0719

A. Manifest Number **WMNA** 10370106

B. State Generator's ID TNHW057

5. Transporter 1 Company Name Strayhorn Trucking — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6955 BOWDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-7282

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 10070246			7 0 y d s		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
TK#STCL6 Ticket # 358481 Tons 33.64

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: John R. Searcy — Signature "On behalf of" — Month Day Year: 05 12 05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: John DeLoach — Signature — Month Day Year: 05 12 05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: Tammy Reed — Signature — Month Day Year: 5 14 05

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Rowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2202

Original
Ticket# 3585545

RECEIVED MAY 27 2009 By

Customer Name HEPA0085 HEPACO INC_85
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 109701321
Destination
PO 5001263
Profile 100709MS (BURNED) DRUMS
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier KBINC KBINC
Vehicle# 8
Container
Driver
Check#
Billing # 00000085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	05/14/2009 10:17:22	Scale1	FRANCIS		Gross	81000 lb
Out	05/14/2009 10:36:22	Scale1	FRANCIS		Tare	34920 lb
					Net	46080 lb
					Tons	23.04

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

Product		LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	23.04	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	23.04	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

Joey Frazier

403WM

10001042A

10001043

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN4121012615 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 652-0719

A. Manifest Number WMNA 10970132

B. State Generator's ID TN4121053

5. Transporter 1 Company Name BLB Trucking — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6055 BOUNDRY ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2262

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURNED DRUMS WM Profile # 10970043			20 yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell #1 Level

Grid E 358546 K-8 10

Ticket

15. Special Handling Instructions and Additional Information

Purchase Order #

EMERGENCY CONTACT: Tons 29.29

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John B. Sperry		10	15	96

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Tommy Wilcox		10	15	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Tommy Reed		10	15	96

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 358481

RECEIVED
MAY 27 2009
BY

Customer Name HEPAC085 HEPACO, INC. 85
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970106
Destination
PO 5001260
Profile 100702MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# STC6 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator			
In	05/14/2009 05:35:46	Scale1	Tammy	Inbound	Gross	97060 lb
Out	05/14/2009 05:35:46		Tammy		Tare	29780 lb
					Net	67280 lb
					Tons	33.64

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	33.64	Tons				SHE
2	FUEL-Fuel Surcharg	100		X				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	33.64	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001043A

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

10001044

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNH210017570 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1776 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 638-6719

A. Manifest Number WMNA 10970107

B. State Generator's ID TNH1053

5. Transporter 1 Company Name Shirley Trucking Co — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6305 BOWDRE ROAD
HORN LAKE MS 38654 — 10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2662

GENERATOR	11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
	a. BURIED DRUMS WM Profile # 10970245			201 yds		
	b. WM Profile #					
	c. WM Profile #					
	d. WM Profile #					

J Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid 35 S15

15. Special Handling Instructions and Additional Information

TK # 52

Purchase Order # EMERGENCY CONTACT: TONY 28.96

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month Day Year
John R. Spivey		

TRANSPORTER

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Louis Shirley		15 11 07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year
Francis Boyd	Francis Boyd	11 14 07

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6435 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 358546

Customer Name MEMP0085 KBINC KBINC
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970139
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

RECEIVED MAY 27 2009 By

Carrier KBINC KBINC
Vehicle# 10
Container
Driver
Check#
Billing # 0000005
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	05/14/2009 10:20:26	Scale1	FRANCIS		Gross	94440 lb
Out	05/14/2009 10:39:44	Scale1	FRANCIS		Tare	35860 lb
					Net	58580 lb
					Tons	29.29

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ------ MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	29.29	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $9 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	29.29	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

100010444

10001045

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWM

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNH 2 1 0 1 7 2 5 1 7 9 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1776 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 632-5719

A. Manifest Number **WMNA 10970133**

B. State Generator's ID TNH1053

5. Transporter 1 Company Name Pettit Trucking — 6. US EPA ID Number P02

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6005 ROBINSON ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2262

11. Description of Waste Materials	12. Containers No	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 10A7702AZ			20 YDS		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 358549 Tons 25.22

Purchase Order # EMERGENCY CONTACT:

GENERATOR

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John R. Sneed		06	14	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Kelly Stamps		06	14	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Tommy Rod	Tommy Rod	06	14	09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2202

Original
Ticket# 350515

Customer Name HEPACO85 HEPACO INC A5
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970107
Destination
PO - 5001260
Profile 100709M5 (DUR
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 52 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

RECEIVED MAY 27 2009 By

	Time	Scale	Operator	Inbound		
In	05/14/2009 08:41:51	Scale1	FRANCIS		Gross	90100 lb
Out	05/14/2009 08:41:51		FRANCIS		Tare	32180 lb
					Net	57920 lb
					Tons	28.96

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ------ MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	28.96	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf0-Env Fee $0 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	28.96	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

100010454

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

10001046 CWM

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN4112612765721 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 638-3719

A. Manifest Number WMNA 10970108

B. State Generator's ID TN4112653

5. Transporter 1 Company Name Gray Bar Trucking JK1 — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6565 BOMORE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2262

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. SURPLUS DRUMS WM Profile # 1007035			21041bs		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 358518 Tons 24.28

Purchase Order # EMERGENCY CONTACT.

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John R. Spacy		05	14	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Dusty Knight JK1		05	14	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year
Tommy Ray	Tommy Ray	05	14	09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Beadre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 358549

Customer Name MEPACO[illegible] INC_85
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 100709
Destination
PO 50012[illegible]
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

RECEIVED MAY 27 2009 By

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# P2 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	05/14/2009 10:26:29	Scale1	FRANCIS		Gross	83600 lb
Out	05/14/2009 10:26:29		FRANCIS		Tare	33160 lb
					Net	50440 lb
					Tons	25.22

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ------ MONDAY MAY 25th

Product		LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	25.22	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	25.22	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001046A

10001047

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWM

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No: TNW 211 0 0 7 0 5 7 0 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 638-5719

A. Manifest Number: WMNA 10970134

B. State Generator's ID: TNHW053

5. Transporter 1 Company Name: Mallous + Ross — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6035 BOWDRE ROAD
ROSEMARK MS 38654 — 10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone: 662 363-2262

11. Description of Waste Materials	12 Containers No.	12 Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. SHREDED DRUGS WM Profile # 10970855			20 yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Ticket # 358552 Tons 25.70

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John B. Seavey		05	14	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Billy Seaton MRI	Bill Seaton	05	14	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Tommy Red	Tommy Red	05	14	09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 358460

Customer Name MEPACOOS[illegible] INC_65
Ticket Date 05/13/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10070104
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 101-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# P2 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

RECEIVED MAY 27 2009 By

	Time	Scale	Operator	Inbound		
In	05/13/2009 14:05:35	Scale1	FRANCIS		Gross	78740 lb
Out	05/13/2009 14:05:35		FRANCIS		Tare	33160 lb
					Net	45580 lb
					Tons	22.79

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

Product		LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	22.79	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	22.79	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001047A

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

10001048 CWBN

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN4211020705701 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 638-9719

A. Manifest Number WMNA 10970110

B. State Generator's ID TNHW053

5. Transporter 1 Company Name Smith Trucking — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
0035 ROMURE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2281

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 100703248			20yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # Ticket # 358462 Tons - 22.51 EMERGENCY CONTACT:

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John R. Spence		05	07	07

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Louis Smith SR		05	07	07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator. Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Tommy Reed	Tommy Reed	05	13	07

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6635 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 338532

Customer Name MEPAC[illegible]HEMICO INC_85
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10970[illegible]
Destination
PO 50012[illegible]
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# MR1 Volume
Container
Driver
Check#
Billing # 00004065
Gen EPA ID

RECEIVED MAY 27 2009 By

	Time	Scale	Operator			
In	05/14/2009 10:30:53	Scale1	FRANCIS	Inbound	Gross	83920 lb
Out	05/14/2009 10:30:53		FRANCIS		Tare	32520 lb
					Net	51400 lb
					Tons	25.70

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ------ MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	25.70	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	25.70	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

100010484

10001049

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN 2 1 0 0 7 0 5 7 1 0 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 638-9719

A. Manifest Number WMNA 10970135

B. State Generator's ID TNHW 053

5. Transporter 1 Company Name Shirley Trucking Co

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6197 BOWDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2262

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 10970135			20 yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Ticket # 358560 Tons - 21.63

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John R. Spivey		0 5	1 4	0 9

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Louis Shirley SR				

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year
Tammy Reed	Tammy Reed	0 5	1 4	0 9

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 3585360

RECEIVED MAY 2 2009 By

Customer Name EEACO05 HEPACO INC_05
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 1097015
Destination
PO 5001262
Profile 100703MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 92 Volume
Container
Driver
Check#
Billing # 0000005
Gen EPA ID

	Time	Scale	Operator			
In	05/14/2009 10:48:03	Scale1	FRANCIS	Inbound	Gross	75440 lb
Out	05/14/2009 10:48:03		FRANCIS		Tare	32180 lb
					Net	43260 lb
					Tons	21.63

Comments

OPEN MEMORIAL DAY 6:00 AM - 11:00 AM ——— MONDAY MAY 25th

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	21.63	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	21.63	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001050

10001051

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWM

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No: TNR 2 1 0 1 7 0 1 5 7 0 — Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 ELVIN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 638-9719

A. Manifest Number: WMNA 10970136

B. State Generator's ID: TNH0053

5. Transporter 1 Company Name: Ewell T&K Rail

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6135 BOUNTIE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone: 662 363-2282

11. Description of Waste Materials	12 Containers No.	12 Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. SURGED DRUGS WM Profile # 10970248			20 YD		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K Disposal Location

Cell _____ Level _____

Grid 358523

15 Special Handling Instructions and Additional Information

TKW RT 1

Purchase Order # _____ EMERGENCY CONTACT: TONY 28.94

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John K. Soaner		05	14	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Ewell Clayton	Ewell Clayton	05	14	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Francis Boyd	Francis Boyd	05	14	09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS. 38664
Ph: 662 363 2282

Original
Ticket# 358523

Customer Name HEPACO85
Ticket Date 05/14/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest: 10970136
Destination
PO 5081268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

RECEIVED MAY 27 2009 By

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT1 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	05/14/2009 09:06:24	Scale1	FRANCIS		Gross	85480 lb
Out	05/14/2009 09:08:24		FRANCIS		Tare	27600 lb
					Net	57880 lb
					Tons	28.94

Comments

OPEN MEMORIAL DAY 6:00 AM -- 11:00 AM ------- MONDAY MAY 25th

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	28.94	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf0-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	28.94	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001052

10001053

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone

A. Manifest Number **WMNA**

B. State Generator's ID

5. Transporter 1 Company Name: Perry Trucking PO | 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: THE TUNICA LANDFILL, 4555 SOUTHAVE ROAD | 10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. WM Profile #			20 yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # Ticket # 35926 EMERGENCY CONTACT. Tons 24.30

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
		6	6	

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Daniel Perry				

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year
		6	6	

CWM - NHM 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Dowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 1202

Original
Ticket# 359326

Customer Name HERNCOSS HERNDO INC_EE
Ticket Date 06/01/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 100600562
Destination
PO 5001858
Profile 100709MB (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# P3
Container
Driver
Check#
Billing # 00000055
Gen EPA ID
Volume

	Time	Scale	Operator	Inbound		
In	06/01/2009 13:00:50	Scale1	TAMMY		Gross	81760 lb
Out	06/01/2009 13:40:58		TAMMY		Tare	33160 lb
					Net	48600 lb
					Tons	24.30

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:00 am to 11:30 pm

Product	LO%	Qty	UOM	Rate	Tax	Amount	Origin
1 Special Miscellane	100	24.30	Tons				SHE
2 FUEL-Fuel Surcharg	100		%				SHE
3 Evf8-Env Fee v8 Lg	100	1	Load				SHE
4 TRT-TRANSPORTATION	100	24.30	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001054

10001055

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type *(Form designed for use on elite (12 pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No | Manifest Document No

2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114
4. Generator's Phone

A. Manifest Number **WMNA** 10655503

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number
THE TUNICA LANDFILL
6625 ROBERT ROAD

G. State Facility's ID

H. Facility's Phone

GENERATOR

11. Description of Waste Materials	12. Containers No	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURNED DEBRIS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill Solidification
Bio Remediation

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
Purchase Order # Ticket# 3485 EMERGENCY CONTACT Tom - 2171

16. GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest
Printed/Typed Name | Signature | Month Day Year

CWM - NHM 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6225 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2202

Original
Ticket# 359935

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/01/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10EA05F3
Destination
PO 5001928
Profile .0070MS (BURNED DRUMS)
Generator 181-MEMPHIS DEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 4R1 value
Container
Driver
Check #
Billing # 00000095
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/01/2009 13:35:12	Scale1	TAMMY		Gross	75840 lb
Out	06/01/2009 13:30:12		TAMMY		Tare	32520 lb
					Net	43320 lb
					Tons	21.71

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:00 am to 1:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	21.71	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	21.71	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001056

10001057

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

NEW CUMBERLAND DEPOT
[illegible] AVENUE
NEW CUMBERLAND PA 17070

4. Generator's Phone

A Manifest Number **WMNA** 10693503

B State Generator's ID

5 Transporter 1 Company Name: Ross Trucking

6. US EPA ID Number

C State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9 Designated Facility Name and Site Address

10. US EPA ID Number

THE TUNICA LANDFILL
6888 BOWDRE ROAD

G State Facility's ID

H Facility's Phone

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt./Vol.	I. Misc. Comments
a. BURNED DRUMS WM Profile #					
b. WM Profile #					
c WM Profile #					
d WM Profile #					

J Additional Descriptions for Materials Listed Above

Landfill ____ ____ Solidification

Bio Remediation ____ ____ ____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # Ticket # 359921 EMERGENCY CONTACT Tons - 33.06

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
		06	11	07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
C Pathfinders w RTDY		06	11	07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	06	11	07

CWM NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
5035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2982

Original
Ticket# 359921

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/01/2005
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 0860858
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 101-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT04
Container
Driver
Check#
Billing # 00000045
Own COA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/01/2005 12:25:11	Scale1	TAMMY		Gross	94920 lb
Out	06/01/2005 12:25:11		TAMMY		Tare	28800 lb
					Net	66120 lb
					Tons	33.06

Comments

OPEN MONDAY - FRIDAY 5:00 am to 3:30 pm & SATURDAY 5:30 am to 1:30 pm

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	33.06	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	33.06	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

100010058

10001059

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

CWM2

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No | Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

4 Generator's Phone

A Manifest Number **WMNA**

B State Generator's ID

5. Transporter 1 Company Name | 6 US EPA ID Number

C State Transporter's ID

D Transporter's Phone

7 Transporter 2 Company Name | 8 US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address | 10 US EPA ID Number

G. State Facility's ID

H. Facility's Phone

11 Description of Waste Materials	12 Containers No.	Type	13 Total Quantity	14 Unit Wt./Vol.	I. Misc. Comments
a. WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J Additional Descriptions for Materials Listed Above

Landfill Solidification

Bio Remediation

K Disposal Location

Cell Level

Grid

15 Special Handling Instructions and Additional Information

Ticket # 359115 TONS - 29.18

Purchase Order # EMERGENCY CONTACT

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name | Signature | Month Day Year

CWM NHM 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Senior Landfill
1025 Bowdre Rd
Rossonville, Mn. 38654
Ph: 662 357 8882

Original
Ticket# 359315

Customer Mgcs MEP4CDBS MEP4CD IND_95
Ticket Date 06/01/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660570
Destination
PO 5001268
Profile 100749MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT1
Volume
Container
Driver
Check#
Billing # 00004085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/01/2009 12:01:18	Scale1	TAMMY		Gross	85960 lb
Out	06/01/2009 12:01:16		TAMMY		Tare	27600 lb
					Net	58360 lb
					Tons	29.18

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LDs	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	58.18	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf0-Env Fee $2 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	29.18	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001060

10001361

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No | 2. Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone

A. Manifest Number **WMNA** 10663371

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number

THE TUNICA LANDFILL
GOIN BOARDING ROAD

G. State Facility's ID

H. Facility's Phone

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM 1 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 8282

Original
Ticket# 3599[illegible]

Customer Name HERCDES HERCO INC_ES
Ticket Date 06/01/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 1066@571
Destination
PO 5@@1268
Profile 12@7@9MS (BURNED DRUMS)
Generator 131-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 93
Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/01/2009 11:53:00	Scale1	TAMMY		Gross	81340 lb
Out	06/01/2009 11:53:00		TAMMY		Tare	33900 lb
					Net	47440 lb
					Tons	23.72

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 am

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	23.72	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	23.72	Tons				SHE

Total Tax
Total Ticket

Driver's Signature Kevin Kleyman SJ

403WM

10001062

10001063

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter)*

CWM

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2 Page 1 of

3. Generator's Name and Mailing Address

MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A Manifest Number **WMNA**

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number | C State Transporter's ID | D Transporter's Phone

7 Transporter 2 Company Name | 8 US EPA ID Number | E. State Transporter's ID | F Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number | G State Facility's ID | H. Facility's Phone

TYE TUNICA LANDFILL
4005 BOWDRE ROAD

11. Description of Waste Materials	12 Containers No	Type	13 Total Quantity	14 Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile #			20 yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15 Special Handling Instructions and Additional Information

Ticket # 35912 Tons 34.13

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name #5TC2 | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name | Signature | Month Day Year

CWM NHM 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 359912

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/01/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660572
Destination
PO 5001259
Profile 100703MS (BURNED DRUMS)
Generator 181-MEMPHISDSFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHENSTRUCKIN STRAYHORN TRUCKING
Vehicle# STCE
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/01/2009 11:48:53	Scale1	TAMMY		Gross	68760 lb
Out	06/01/2009 11:48:53		TAMMY		Tare	30500 lb
					Net	68260 lb
					Tons	34.13

Comments

OPEN MONDAY - FRIDAY 5:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 am

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	34.13	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $3 Lg	100	1	Load				SHE
4	TPT-TRANSPORTATION	100	34.13	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

402WM

10001064

10001065

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No | 2 Page 1 of

3 Generator's Name and Mailing Address

MEMPHIS DEFENSE DEPOT
1715 DUNN AVENUE
MEMPHIS TN 38114

4 Generator's Phone

A. Manifest Number **WMNA** 10660473

B. State Generator's ID

5 Transporter 1 Company Name | 6. US EPA ID Number | C. State Transporter's ID | D. Transporter's Phone

7. Transporter 2 Company Name | 8 US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address | 10 US EPA ID Number | G. State Facility's ID | H. Facility's Phone

THE TUNICA LANDFILL
6005 ROBINSONE ROAD

11. Description of Waste Materials	12 Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURNED DEBRIS WM Profile #			2 YDS		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ___ Solidification ___

Bio Remediation ___

K. Disposal Location

Cell Level

Grid

15 Special Handling Instructions and Additional Information

Ticket # 359909

Purchase Order # EMERGENCY CONTACT TONS - 27.12

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year 06 11 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year 06 11 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2292

Original
Ticket# 359303

Customer Name MEPACO25 MEPACO INC_25
Ticket Date 06/01/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10560573
Destination
PO 5001268
Profile :00703MS (BURNED DRUMS)
Generator 181-MEMPHISDEFSAGEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MA1(PEWS)TRUCKIN STRAYHORN TRUCKING
Vehicle# 52
Container
Driver
Check#
Billing # 00000035
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/01/2009 11:32:08	Scale1	TAMMY		Gross	96420 lb
Out	06/01/2009 11:32:08		TAMMY		Tare	32180 lb
					Net	54240 lb
					Tons	27.12

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	27.12	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf6-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	27.12	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001066

10001067

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

CWM

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

MEMPHIS DEFENSE DEPOT
1716 DURR AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A. Manifest Number **WMNA** 1962574

B. State Generator's ID

TNHW052

5. Transporter 1 Company Name | 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number

TNT TUNICA LANDFILL
8305 NONAME ROAD

G. State Facility's ID

H. Facility's Phone

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURNED DRUMS WM Profile #			25 YDS		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ____ Solidification ____

Bio Remediation ____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 359877 Tons - 28.51

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM -1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Sowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 6682

Original
Ticket# 359877

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/01/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10560574
Destination
PO 5001266
Profile 100709MS (BURNED DRUMS)
Generator 161-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT1 Volume
Container
Driver
Check#
Billing # 2000065
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/01/2009 09:17:14	Scale1	TAMMY		Gross	85220 lb
Out	06/01/2009 09:17:14		TAMMY		Tare	27600 lb
					Net	57620 lb
					Tons	28.81

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Special Misc-Tons-	100	28.81	Tons				SHE
2 FUSL-Fuel Surcharg	100		%				SHE
3 Ev#8-Env Fee $8 Lg	100	1	Load				SHE
4 TRT-TRANSPORTATION	100	28.81	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

405WM

10001068

10001069

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No. | 2 Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1736 DAVIS AVENUE
MEMPHIS TN 38114
4. Generator's Phone

A. Manifest Number: WMNA 10660575
B. State Generator's ID: TN 053

5. Transporter 1 Company Name: Shirley S3 | 6. US EPA ID Number | C. State Transporter's ID | D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
GRAND BOULEVARD ROAD
10. US EPA ID Number | G. State Facility's ID | H. Facility's Phone

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURNED DEBRIS WM Profile #			20 yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill ___ Solidification ___
Bio Remediation ___

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
Ticket #359874 Tons 20.83
Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year 06/01/09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Kevin Greene S3 | Signature: Kevin Greene | Month Day Year 06/01/09

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest
Printed/Typed Name: Tommie Key | Signature | Month Day Year 6/1/09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 359874

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/01/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660575
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKINS
Vehicle# 80
Container
Driver
Check#
Billing # 6000095
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/01/2009 09:09:47	Scale1	TAMMY		Gross	75560 lb
Out	06/01/2009 09:09:47		TAMMY		Tare	33900 lb
					Net	41660 lb
					Tons	20.83

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	20.83	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	20.83	Tons				SHE

Total Tax
Total Ticket

Driver's Signature Kevin Gregory 53

402WM

10001070

10001071

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2 Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone

A. Manifest Number **WMNA**

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number | C. State Transporter's ID | D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number | G. State Facility's ID | H. Facility's Phone

THE TUNICA LANDFILL
6909 BOUNDRY ROAD

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill Solidification

Bio Remediation

Ticket # 359871

Tons 27.34

K Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT.

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 259871

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/01/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10680576
Destination
PO 5001269
Profile 100709M5 (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# JK1
Container
Driver
Check#
Billing # 0A00085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/01/2009 09:03:00	Scale1	TAMMY		Gross	86220 lb
Out	06/01/2009 09:02:00		TAMMY		Tare	31540 lb
					Net	54680 lb
					Tons	27.34

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	27.34	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	27.34	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

402W4

10001072

10001073

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12 pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No. | Manifest Document No. | 2 Page 1 of

3 Generator's Name and Mailing Address

4 Generator's Phone

A Manifest Number **WMNA** 1063057

B. State Generator's ID

5 Transporter 1 Company Name | 6. US EPA ID Number | C. State Transporter's ID | D. Transporter's Phone

7 Transporter 2 Company Name | 8 US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number | G. State Facility's ID | H. Facility's Phone

THE YUNICA LANDFILL
4095 DOWDEE ROAD

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I Misc. Comments
a BURIED DRUMS WM Profile #					
b WM Profile #					
c WM Profile #					
d WM Profile #					

J Additional Descriptions for Materials Listed Above

Landfill ____ Solidification ____ Bio Remediation ____

K. Disposal Location

Cell Level

Grid

15 Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT.

16. GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 359568

Customer Name HERACO55 HERACO INC_55
Ticket Date 06/01/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660577
Destination
PO 5001266
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 92
Container
Driver
Check#
Billing # 0900085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/01/2009 08:55:55	Scale1	TAMMY		Gross	71280 lb
Out	06/01/2009 08:55:55		TAMMY		Tare	32180 lb
					Net	39100 lb
					Tons	19.55

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	19.55	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf2-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	19.55	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001074

10001675

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12 pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No | Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1765 BROWN AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A. Manifest Number **WMNA**

B. State Generator's ID

5 Transporter 1 Company Name | 6 US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9 Designated Facility Name and Site Address | 10 US EPA ID Number

THE TUNICA LANDFILL
6598 NORMORE ROAD

G. State Facility's ID

H. Facility's Phone

GENERATOR

11 Description of Waste Materials	12 Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a CURED DRUMS WM Profile #					
b WM Profile #					
c WM Profile #					
d WM Profile #					

J Additional Descriptions for Materials Listed Above

Landfill — Solidification — Ticket # 3579

Bio Remediation

K Disposal Location

Cell — Level

Grid

15 Special Handling Instructions and Additional Information

Purchase Order # — EMERGENCY CONTACT:

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
5635 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 357 3256

Original
Ticket# 359866

Customer Name HEPACOB5 HEPACO INC_55
Ticket Date 06/01/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660578
Destination
PO 5001260
Profile 100709MS (BURNED DRUMS)
Generator 121-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 24 Volume
Container
Driver
Check#
Billing # 00000365
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/01/2009 05:51:16	Scale1	TAMMY		Gross	75640 lb
Out	06/01/2009 08:57:16		TAMMY		Tare	33160 lb
					Net	42480 lb
					Tons	21.24

Comments

OPEN MONDAY - FRIDAY 5:00 am to 5:00 pm & SATURDAY 6:00 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	21.24	Tons				PHI
2	FUEL-Fuel Surcharg	100		X				PHI
3	Evf8-Env Fee $8 Lg	100	1	Load				PHI
4	TRT-TRANSPORTATION	100	21.24	Tons				PHI

Total Tax
Total Ticket

Driver's Signature

4021WM

10001076

10001077

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12 pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEPOT DEPOT
1776 DUNN AVENUE
MEMPHIS TN 38114
4. Generator's Phone

A. Manifest Number **WMNA** 10660579
B. State Generator's ID
C. State Transporter's ID
D. Transporter's Phone
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone

5. Transporter 1 Company Name: Smith Transport
6. US EPA ID Number

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6565 HOWARD ROAD
10. US EPA ID Number

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill ___ Solidification ___
Bio Remediation ___

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
Ticket # 359890 Tons - 23.05
Purchase Order # EMERGENCY CONTACT

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
		10	31	19

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Darrell Smith #501		10	31	19

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year
		11	1	19

CWM - NHM - 1 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6025 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 3602

Original
Ticket# 359890

Customer Name HEPA0085 HEPACO INC_65
Ticket Date 06/01/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660579
Destination
PO 5001262
Profile 100709MS (BURNED DRUMS)
Generator 101-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 961
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/01/2009 10:22:49	Scale1	TAMMY		Gross	75220 lb
Out	06/01/2009 10:40:20	Scale1	TAMMY		Tare	35120 lb
					Net	40100 lb
					Tons	23.05

Comments

OPEN MONDAY - FRIDAY 6:00 am to 2:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	23.05	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evfe-Env Fee $8 Lg	100	1	Load				SHE
4	FRT-TRANSPORTATION	100	23.05	Tons				SHE

Total Tax
Total Ticket

Driver's Signature Darrell Sands

403WM

10001078

10001079

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

CWM

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No | Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DURA AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A. Manifest Number **WMNA**

B. State Generator's ID

5. Transporter 1 Company Name — 6. US EPA ID Number — C. State Transporter's ID

Ross Trucking — D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number — E. State Transporter's ID — F. Transporter's Phone

9. Designated Facility Name and Site Address — 10. US EPA ID Number — G. State Facility's ID — H. Facility's Phone

THE TUNICA LANDFILL
SAM CARLOCK ROAD

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. DRIED SLUDGE WM Profile # 103758SS			20 yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill — Solidification

Bio Remediation

K. Disposal Location

Cell — Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 359887 Tons 23.72

Purchase Order # — EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name — Signature "On behalf of" — Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2288

Original
Ticket# 359887

Customer Name HERPCO85 HERPCO INC_85
Ticket Date 06/01/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 12560560
Destination
PO 5001268
Profile 102709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT04
Container
Driver
Check#
Billing # 0000035
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	05/01/2009 09:51:59	Scale1	TAMMY		Gross	75240 lb
Out	05/01/2009 09:51:59		TAMMY		Tare	28500 lb
					Net	47440 lb
					Tons	23.72

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LE%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	23.72	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $2 Lg	100	1	Load				SHE
*	TRT-TRANSPORTATION	100	23.72	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

402WM

10001080

10001081

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone

A. Manifest Number **WMNA** 10683381

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number

THE TINICA LANDFILL
8385 BOWDRE ROAD

G. State Facility's ID

H. Facility's Phone

GENERATOR

11. Description of Waste Materials	12. Containers No	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. SHREDDED DRYWALL WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 359886

Purchase Order # EMERGENCY CONTACT: Tom - 24.37

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
8035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 359886

Customer Name HERCD85 HERCD INC_65
Ticket Date 06/01/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 006670581
Destination
PO 500:658
Profile 126709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# KRI
Container
Driver
Check#
Billing # 0000085
Gen SPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/01/2009 08:48:18	Scale1	TAMMY		Gross	81260 lb
Out	06/01/2009 08:48:18		TAMMY		Tare	32520 lb
					Net	48740 lb
					Tons	24.37

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LDX	Qty.	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	24.37	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lp	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	24.37	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

402WM

1000082

10001083

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No | Manifest Document No. | 2 Page 1 of

3 Generator's Name and Mailing Address

4 Generator's Phone

A. Manifest Number **WMNA**

B. State Generator's ID

5 Transporter 1 Company Name | 6. US EPA ID Number | C. State Transporter's ID | D Transporter's Phone

7. Transporter 2 Company Name | 8 US EPA ID Number | E. State Transporter's ID | F Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number | G. State Facility's ID | H Facility's Phone

11. Description of Waste Materials	12 Containers No	Type	13. Total Quantity	14 Unit Wt./Vol.	I. Misc. Comments
a. WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 359884

Customer Name REPACO85 REPACO INC_3F
Ticket Date 06/01/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10664738
Destination
PO 5001668
Profile 100709HB (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 5T53
Container
Driver
Check#
Billing # 00000085
Gen EPA ID

Volume

N.B

	Time	Scale	Operator	Inbound		
In	06/01/2009 09:43:14	Scale1	TAMMY		Gross	88680 lb
Out	06/01/2009 05:43:14		TAMMY		Tare	30500 lb
					Net	58180 lb
					Tons	29.09

Comments

OPEN MONDAY - FRIDAY 6:00 am to 2:30 pm & SATURDAY 6:30 am to 11:30 am

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Special Misc-Tons-	100	29.09	Tons				SHE
2 FUEL-Fuel Surcharg	100		%				SHE
3 Evf0-Env Fee #8 Lg	100	1	Load				SHE
4 TRT-TRANSPORTATION	100	29.09	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001084

10001085

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12 pitch) typewriter.)*

CWM

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No | 2. Page 1 of

3. Generator's Name and Mailing Address

DEFENSE DISTRIBUTION DEPOT
1716 ORDNANCE AVENUE
EARLEVILLE TN 38114

4. Generator's Phone

A. Manifest Number **WMNA** 10660383

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number | C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number | G. State Facility's ID

THE TUNICA LANDFILL
4555 HOMOCHE ROAD

H. Facility's Phone

GENERATOR

11. Description of Waste Materials	12. Containers No	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURNED DEBRIS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NRM 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 362 2822

Original
Ticket# 359904

Customer Name HERACOSS HERPCO INC_85
Ticket Date 06/01/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 130602502
Destination
PO 500:858
Profile 120703MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# JKL Volume
Container
Driver
Check#
Billing # 0000305
Der EPA ID

	Time	Scale	Operator	Inbound		
In	06/01/2009 11:16:35	Scale1	TAMMY		Gross	94640 lb
Out	06/01/2009 11:18:35		TAMMY		Tare	31540 lb
					Net	63100 lb
					Tons	31.55

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:00 am to 11:30 am

Product	LB%	Qty	UOM	Rate	Tax	Amount	Origin
1 Special Misc-Tons-	100	31.55	Tons				SHE
2 FUEL-Fuel Surcharg	100		%				SHE
3 Evf8-Env Fee 18 Lg	100	1	Load				SHE
4 TRT-TRANSPORTATION	100	31.55	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001086

10001087

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

CWM

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

3 Generator's Name and Mailing Address

ARMY-MS DEFENSE DEPOT
1276 DOUGLAS AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A Manifest Number **WMNA**

B State Generator's ID

5. Transporter 1 Company Name — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7 Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address — 10 US EPA ID Number

THE PINOCA LANDFILL
6565 DONNORE ROAD

G State Facility's ID

H. Facility's Phone

11 Description of Waste Materials	12 Containers No.	12 Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a DUMPED DEBRIS WM Profile #			20 NYS		
b. WM Profile #					
c WM Profile #					
d WM Profile #					

J Additional Descriptions for Materials Listed Above

Landfill — Solidification

Bio Remediation

K Disposal Location

Cell — Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 359906 — Tons: 26.93

Purchase Order # — EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

GENERATOR

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
T. L. R. S.		06	01	07

TRANSPORTER

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]		06	01	07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator. Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	06	01	07

CWM - NHM 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS. 38664
Ph: 662 363 2662

Original
Ticket# 359005

Customer Name HEPACOBS HEPACO INC_SS
Ticket Date 06/01/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10E60554
Destination
PO 5001258
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# P2 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/01/2009 11:23:32	Scale1	TAMMY		Gross	87020 lb
Out	06/01/2009 11:53:32		TAMMY		Tare	33160 lb
					Net	53860 lb
					Tons	26.93

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Special Misc-Tons-	100	26.93	Tons				SHE
2 FUEL-Fuel Surcharg	100		%				SHE
3 Evf6-Env Fee $0 Lg	100	1	Load				SHE
4 TR1-TRANSPORTATION	100	26.93	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001088

10001089

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type (Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No | Manifest Document No.

2 Page 1 of

3 Generator's Name and Mailing Address

4 Generator's Phone

A Manifest Number **WMNA**

B State Generator's ID

5 Transporter 1 Company Name

6 US EPA ID Number

C State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8 US EPA ID Number

E State Transporter's ID

F Transporter's Phone

9 Designated Facility Name and Site Address

10. US EPA ID Number

G State Facility's ID

H Facility's Phone

11 X Description of Waste Materials	12 Containers No	Type	13 Total Quantity	14 Unit Wt./Vol.	I. Misc. Comments
a WM Profile #					
b WM Profile #					
c WM Profile #					
d WM Profile #					

J Additional Descriptions for Materials Listed Above

Landfill Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15 Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT:

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year

CWM NHM-1 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6835 Bowers Rd
Robinsonville, MS, 38664
Ph: 662 363 8282

Original
Ticket# 359863

Customer Name MEPACOBS MEPACO INC_BS
Ticket Date 06/01/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660585
Destination
PO 5001258
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# PT2
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/01/2009 08:35:20	Scale1	TAMMY		Gross	79340 lb
Out	06/01/2009 08:45:46	Scale1	TAMMY		Tare	32620 lb
					Net	46720 lb
					Tons	23.36

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:00 am to 1:30 pm

	Product	Lnk	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	23.36	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Env8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	23.36	Tons				SHE

OK

Total Tax
Total Ticket

Driver's Signature

10001090

10001091

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter)

CWLS

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No

2. Page 1 of

3. Generator's Name and Mailing Address

MEMPHIS DEFENSE DEPOT
1776 DENN AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A. Manifest Number **WMNA**

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number

TNT TUNICA LANDFILL
5005 BOWDRE ROAD

G. State Facility's ID

H. Facility's Phone

GENERATOR

11. Description of Waste Materials	12. Containers No	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a BURNED GARBAGE WM Profile #			24.06		
b WM Profile #					
c WM Profile #					
d WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill

Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # Ticket # 359604 EMERGENCY CONTACT. Tons- 24.06

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: David Ross | Signature | Month Day Year: 06 10 97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

GWM NHM 1-5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfil.
6035 Bowdre Rd
Robinsonville. MS. 3665)
Ph: 662 363 2292

Original
Ticket# 359954

Customer Name HEPACO65 HEPACO INC_05
Ticket Date 06/01/2005
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10560586
Destination
PO 5001260
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# P73 Volume
Container
Driver
Check#
Billing # 0000055
Ser EPA ID

	Time	Scale	Operator	Inbound		
In	06/01/2005 15:11:11	Scale1	TAMMY		Gross	80740 lb
Out	06/01/2005 15:11:11		TAMMY		Tare	32620 lb
					Net	48120 lb
					Tons	24.06

Comments

OPEN MONDAY - FRIDAY 6:00 am to 7:30 pm & SATURDAY 8:30 am to 11:30 pm

	Product	LB%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special misc-Tons-	100	24.06	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf0-Env Fee 48 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	24.06	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001092

10001093

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

CWSR

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

MEMPHIS DEPOT
1716 ROAD AVENUE
MEMPHIS, TN 38114

4. Generator's Phone

A Manifest Number: **WMNA**

B State Generator's ID

5 Transporter 1 Company Name: Ross Trucking

6. US EPA ID Number

C State Transporter's ID

D. Transporter's Phone

7 Transporter 2 Company Name

8 US EPA ID Number

E. State Transporter's ID

F Transporter's Phone

9. Designated Facility Name and Site Address

THE NINGA LANDFILL
6565 BOWDRE ROAD

10. US EPA ID Number

G State Facility's ID

H Facility's Phone

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. RINSED DRUMS WM Profile #			20.49		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K Disposal Location

Cell Level

Grid

15 Special Handling Instructions and Additional Information

Ticket # 359959

Tons 20.49

Purchase Order # EMERGENCY CONTACT:

GENERATOR

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowers Rd
Robinsonville, MS. 38664
Ph: 662 363 2262

Original
Ticket# 353959

Customer Name HEPACOBS H54ACO INC_BS
Ticket Date 06/01/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10560588
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT04
Container
Driver
Check#
Billing # 0000005
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/01/2009 14:43:08	Scale1	TAMMY		Gross	82740 lb
Out	06/01/2009 14:58:04		TAMMY		Tare	28800 lb
					Net	53940 lb
					Tons	26.97

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	26.97	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf&-Env Fee #& Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	26.97	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001094

10001095

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

CWM

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No | 2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1776 DUNN AVENUE
MEMPHIS, TN 38114
4. Generator's Phone

A. Manifest Number **WMNA** 1066[illegible]39
B. State Generator's ID

5. Transporter 1 Company Name — 6. US EPA ID Number — C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number — E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address — 10. US EPA ID Number — G. State Facility's ID
THE YUNICA LANDFILL
6095 ROMOKE ROAD
H. Facility's Phone

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile #			20		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill — Solidification
Bio Remediation

K. Disposal Location
Cell — Level
Grid

15. Special Handling Instructions and Additional Information
Ticket # 359954
Purchase Order # — EMERGENCY CONTACT. — Tons - 20.09

16. GENERATOR'S CERTIFICATION.
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name — Signature "On behalf of" — Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator. Certification of receipt of non-hazardous materials covered by this manifest.
Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 359934

Customer Name PEPSICO85 PEPSICO INC_85
Ticket Date 06/01/2002
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 20660569
Destination
SO 5001256
Profile 100703MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 83 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/01/2002 14:13:09	Scale1	TAMMY		Gross	74080 lb
Out	06/01/2002 14:31:09		TAMMY		Tare	33900 lb
					Net	40180 lb
					Tons	20.09

Coment.

OPEN MONDAY - FRIDAY 6:00 am to 3:00 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LOC	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Elec-Tons-	100	20.09	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf9-Env Fee $0 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	20.09	Tons				SHE

Total Tax
Total Ticket

Driver's Signature Kevin Gregory 53

403WM

10001096

10001097

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter)

CWM

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2 Page 1 of 2

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1765 DUNN AVENUE
MEMPHIS TN 38114
4 Generator's Phone

A Manifest Number **WMNA**

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number | C. State Transporter's ID | D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TAHOKA LANDFILL
6405 EXPRESS ROAD
| 10. US EPA ID Number | G. State Facility's ID | H. Facility's Phone

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. EXPIRED DRUGS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above
Landfill Solidification
Bio Remediation

K Disposal Location
Cell Level
Grid

15 Special Handling Instructions and Additional Information
Ticket #1359937 Tons- 22.48
Purchase Order # EMERGENCY CONTACT

16 GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
		10	10	16

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		10	10	16

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
		10	19	16

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, Ms. 38664
Ph: 662 363 8282

Original
Ticket# 359957

Customer Name HERPACO85 HERPACO INC_85
Ticket Date 06/01/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660558
Destination
PO 5001268
Profile 100702MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MPTTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 52
Container
Driver
Check#
Billing # 0000025
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/01/2009 14:43:52	Scale1	TAMMY		Gross	77140 lb
Out	06/01/2009 14:43:59		TAMMY		Tare	32180 lb
					Net	44960 lb
					Tons	22.48

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Special Misc-Tons-	100	22.48	Tons				SHE
2 FUEL-Fuel Surcharg	100		%				SHE
3 EvfB-Env Fee $0 Lg	100	1	Load				SHE
* TRT-TRANSPORTATION	100	22.48	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001098

10001099

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of

3 Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1719 CHINA AVENUE
MEMPHIS TN 38114
4. Generator's Phone

A Manifest Number **WMNA** 10660561
B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number | C State Transporter's ID | D Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number | E State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6955 NORMAN ROAD

10 US EPA ID Number | G. State Facility's ID | H Facility's Phone

GENERATOR

11. Description of Waste Materials	12 Containers No.	12 Containers Type	13 Total Quantity	14 Unit Wt./Vol.	I. Misc. Comments
a. BURNED DRUGS WM Profile #			21.06 TONS		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill Solidification
Bio Remediation

K Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
Purchase Order # Ticket # 349947 EMERGENCY CONTACT Tons- 21.06

16. GENERATOR'S CERTIFICATION:
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19 Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator Certification of receipt of non hazardous materials covered by this manifest.
Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Turica Landfill
6025 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2262

Original
Ticket# 359947

Customer Name HERACO65 HERACO IND_65
Ticket Date 06/01/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 136602591
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# JM1
Container
Driver
Check#
Billing # 0000065
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/01/2009 14:14:2+	Scale1	TAMMY		Gross	73660 lb
Out	06/01/2009 14:14:24		TAMMY		Tare	31540 lb
					Net	42120 lb
					Tons	21.06

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	21.06	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	61.05	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

402WM

10001100

10001101

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

3 Generator's Name and Mailing Address

MEMPHIS DEFENSE DEPOT
1710 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A Manifest Number **WMNA**

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number

C. State Transporter's ID

D Transporter's Phone

7 Transporter 2 Company Name | 8. US EPA ID Number

E State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address | 10 US EPA ID Number

THE TUNICA LANDFILL
6838 DOMINO ROAD

G. State Facility's ID

H Facility's Phone

11. Description of Waste Materials	12 Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. DUMPED DRUMS WM Profile # 102155					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill Solidification

B o Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 349946

Purchase Order # EMERGENCY CONTACT. Tom - 238 06

GENERATOR

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6025 Bowdre Rd
Robinsonville, MS. 38664
Ph: 662 363 2282

Original
Ticket# 359946

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/01/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660592
Destination
PO 5001258
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# STO2
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In.	06/01/2009 14:11:55	Scale1	TAMMY		Gross	76620 lb
Out.	06/01/2009 14:11:55		TAMMY		Tare	30500 lb
					Net	46120 lb
					Tons	23.06

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:00 am to 11:30 pm

Product	LBK	Qty	UOM	Rate	Tax	Amount	Origin
1 Special Misc-Tons-	100	23.06	Tons				SHE
2 FUEL-Fuel Surcharg	100		%				SHE
3 Evf8-Env Fee $5 Lg	100	1	Load				SHE
4 TRT-TRANSPORTATION	100	23.06	Tons				SHE

Total Tax
Total Ticket

Driver s Signature

403WM

10001102

10001103

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

CWM

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

MEMPHIS DEFENSE DEPOT
1776 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A. Manifest Number **WMNA** 10660593

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number | C. State Transporter's ID | D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number | G. State Facility's ID | H. Facility's Phone

THE TUNICA LANDFILL
6905 DOWDNE ROAD

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. MARKED DRUMS WM Profile #			20		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # Ticket # 359940 EMERGENCY CONTACT: Tom - 2428

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Dowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 359943

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/01/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10560553
Destination
PO 5001262
Profile 100705MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT1 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/01/2009 13:48:55	Scale1	TAMMY		Gross	76160 lb
Out	06/01/2009 13:48:55		TAMMY		Tare	27600 lb
					Net	48560 lb
					Tons	24.28

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 8:00 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	24.28	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evfe-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	24.28	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001104

10001165

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2 Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 CROSS AVENUE
MEMPHIS TN 38114
4 Generator's Phone

A Manifest Number **WMNA**

B State Generator's ID

5. Transporter 1 Company Name | 6 US EPA ID Number

C State Transporter's ID

D. Transporter's Phone

7 Transporter 2 Company Name | 8 US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number

THE TUNICA LANDFILL
CROSS BOUNDRY ROAD

G State Facility's ID

H Facility's Phone

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. RINSED DRUMS WM Profile #			20 TONS		
b. WM Profile #					
c. WM Profile #					
d WM Profile #					

J Additional Descriptions for Materials Listed Above

Landfill Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # Ticket # 359938 EMERGENCY CONTACT: Tons - 20.45

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
5033 Dowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2288

Original
Ticket# 359932

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 05/01/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10530994
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 101-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 72
Container
Driver
Check#
Billing # 00007005
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	05/01/2009 12:44:06	Scale1	TAMMY		Gross	74060 lb
Out	05/01/2009 13:44:06		TAMMY		Tare	33160 lb
					Net	40900 lb
					Tons	20.45

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LOC	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Micro-Tone-	100	20.45	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Enf6-Env Fee 3e Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	20.45	Tons				SHE

Total Tax
Total Ticket

Driver s Signature

10001106

10001107

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type *(Form designed for use on elite (12-pitch) typewriter)*

CWM

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114
4. Generator's Phone (901) 775-4516

A. Manifest Number **WMNA** 1293504

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number
TWE TUNICA LANDFILL
6955 BOWDRE ROAD

G. State Facility's ID

H. Facility's Phone (901) 382-8881

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. DUMPED DRUMS. WM Profile # 1293504A			2		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill Solidification
Bio Remediation

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
Ticket # 359997
Purchase Order # EMERGENCY CONTACT: TONY 2340

16. GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year 10 12 09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year 10 12 09

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.
Printed/Typed Name Thomas Pool | Signature | Month Day Year 10 12 09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Rowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2281

Original
Ticket# 359997

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/02/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660564
Destination
PO 5001282
Profile 100793NS (SURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN BIRAYHORN TRUCKING
Vehicle# RT1 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/02/2009 08:15:37	Scale1	TAMMY		Gross	74400 lb
Out	06/02/2009 08:15:37		TAMMY		Tare	27600 lb
					Net	45800 lb
					Tons	22.90

Comments

OPEN MONDAY - FRIDAY 6:00 am to 4:30 pm & SATURDAY 8:00 am to 11:30 pm

Product	LDY	Qty	UOM	Rate	Tax	Amount	Origin
1 Special Misc-Tons-	100	22.90	Tons				SHE
2 FUEL-Fuel Surcharg	100		%				SHE
3 ENVR-Env Fee 02 Lg	100	1	Load				SHE
4 TRT-TRANSPORTATION	100	22.90	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

402WM

10001108

10001109

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter)

CWM

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No. | Manifest Document No. |

2. Page 1 of

3 Generator's Name and Mailing Address

MEMPHIS DEFENSE DEPOT
1709 DUNN AVENUE
MEMPHIS TN 38114

4 Generator's Phone

A Manifest Number **WMNA** 10660563

B State Generator's ID

5. Transporter 1 Company Name: Ross Trucking

6 US EPA ID Number

C State Transporter's ID

D Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

THE TUNICA LANDFILL
6939 HOWERE ROAD

10 US EPA ID Number

G State Facility's ID

H Facility's Phone

GENERATOR

11 Description of Waste Materials	12 Containers No.	Type	13 Total Quantity	14 Unit Wt./Vol.	I. Misc. Comments
a. BURNED DRUMS WM Profile #			20 YDS		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J Additional Descriptions for Materials Listed Above

Landfill Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15 Special Handling Instructions and Additional Information

Ticket # 359998

Purchase Order # EMERGENCY CONTACT:

Tons - 23.94

16. GENERATOR'S CERTIFICATION.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
CD Whitehurst #7214	CD Whitehurst			

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year
Raymond Pool	Raymond Pool			

CWM - NHM 1 -5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2262

Original
Ticket# 259998

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/02/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 1066805e5
Destination
PO 5001258
Profile 100709P5 (BURNED DRUMS)
Generator 101-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT04
Container
Driver
Check#
Billing # 0000005
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/02/2009 08:19:17	Scale1	TAMMY		Gross	75680 lb
Out	06/02/2009 08:18:17		TAMMY		Tare	28600 lb
					Net	47080 lb
					Tons	23.54

Comments

OPEN MONDAY - FRIDAY 5:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

Product	LD#	Qty	UOM	Rate	Tax	Amount	Origin
1 Special Misc-Tons-	100	23.54	Tons				SHE
2 FUEL-Fuel Surcharg	100		%				SHE
3 Ev#6-Env Fee #6 Lg	100	1	Load				SHE
4 TRT-TRANSPORTATION	100	23.54	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

Copy

10001110

10001111

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2 Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone

A Manifest Number **WMNA**

B State Generator's ID

5. Transporter 1 Company Name: Perry Trucking

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7 Transporter 2 Company Name

8 US EPA ID Number

E. State Transporter's ID

F Transporter's Phone

9 Designated Facility Name and Site Address: TIME TURNICA LANDFILL, 4005 SCHMIDT ROAD

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ___ Solidification

Bio Remediation ___

K. Disposal Location

Cell Level

Grid

15 Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT.

16. GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year

TRANSPORTER

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Daniel Perry		06	12	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6025 Bowsre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 350006

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/02/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660726
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAVHORN TRUCKING
Vehicle# PTS
Container
Driver
Check#
Billing # 0003005
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/02/2009 08:38:14	Scale1	TAMMY		Gross	77120 lb
Out	06/02/2009 08:38:14		TAMMY		Tare	32620 lb
					Net	44500 lb
					Tons	22.25

Comments

OPEN MONDAY - FRIDAY 5:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	22.25	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	EvFA-Env Fee $E Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	22.25	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001112

10001113

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter)*

CWM

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A. Manifest Number **WMNA** 10650567

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number

THE PINICA LANDFILL
6305 BOXDORF ROAD

G. State Facility's ID

H. Facility's Phone

GENERATOR

11. Description of Waste Materials	12. Containers No	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile #			20.70		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 36.0004 Tons 20.70

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
		06	12	97

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Louis Stalling		06	19	97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

CWM NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowere Rd
Robinsonville, MS, 38664
Ph: 662 363 8228

Original
Ticket# 360004

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/02/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 1MEM0567
Destination
PO 5001268
Profile 100789MS (BURNED DRUMS)
Generator 161-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 52
Container
Driver
Check#
Billing # 0000285
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/02/2009 08:33:52	Scale1	TAMMY		Gross	73600 lb
Out	06/02/2009 08:35:52		TAMMY		Tare	32180 lb
					Net	41420 lb
					Tons	20.71

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

Product		LOC	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	20.71	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evr0-Env Fee $8 Lg	100	1	Load				SHE
*	TRT-TRANSPORTATION	100	20.71	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001114

10001115

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12 pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

3 Generator's Name and Mailing Address

MEMPHIS DEFENSE DEPOT
1710 RUNWAY AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A. Manifest Number **WMNA**

B. State Generator's ID

5 Transporter 1 Company Name: KELLY TRUCKING PO2

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8 US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9 Designated Facility Name and Site Address

THE TUNICA LANDFILL
MISS HOWORTH ROAD

10 US EPA ID Number

G. State Facility's ID

H. Facility's Phone

11. Description of Waste Materials	12 Containers No	12 Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. ALLIED DEBRIS WM Profile #			23.70		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15 Special Handling Instructions and Additional Information

Purchase Order # Ticket # 360007 EMERGENCY CONTACT. Tons - 23.70

16. GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
		03	07	01

TRANSPORTER

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
KELLY TRUCKING		03	07	01

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
TOMMY PAT		03	07	01

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WM
WASTE MANAGEMENT

Tunica Landfill
6405 Dawdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2232

Original
Ticket# 350007

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/02/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 006U8G8
Destination
PO 5001398
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 68 Volume
Container
Driver
Check#
Billing # 0000005
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/02/2009 08:44:16	Scale1	FRANCIS		Gross	80560 lb
Out	06/02/2009 08:44:16		FRANCIS		Tare	33160 lb
					Net	47400 lb
					Tons	23.70

Comments

OPEN MONDAY - FRIDAY 6:00 am to 5:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LDF	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	23.70	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $2 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	23.70	Tons				SHE

DS

Total Tax
Total Ticket

Driver's Signature

403WM

10001116

10001117

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12 pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No: TN4210010578 — Manifest Document No:

2 Page 1 of

3. Generator's Name and Mailing Address
DEFENSE DEPOT
1715 DUNN AVENUE
[illegible] 38114
4. Generator's Phone

A Manifest Number: WMNA 1066[illegible]

B State Generator's ID: TN[illegible]3

5. Transporter 1 Company Name: [illegible] — 6. US EPA ID Number

C. State Transporter's ID

D Transporter's Phone

7 Transporter 2 Company Name — 8 US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9 Designated Facility Name and Site Address
THE TUNICA LANDFILL
6955 SOUTHERN ROAD
[illegible]

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone

GENERATOR

11. Description of Waste Materials	12. Containers No	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a [illegible] WM Profile # [illegible]					
b WM Profile #					
c WM Profile #					
d WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 3599[illegible]

Purchase Order # EMERGENCY CONTACT. Tons - 21.86

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: [illegible] | Signature | Month Day Year: 6 / 1 / 09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Eunice Landfill
6035 Boware Rd
Robinsonville, MS, 38664
Ph: 662 365 2182

Original
Ticket# 352984

Customer Name HEPA0085 HEPACO INC_85
Ticket Date 06/02/2006
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 1066QE87
Destination
PO 5041268
Profile 10670SMS (BURNED DRUMS)
Generator 131-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 50
Container
Driver
Check#
Billing # 02020085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/02/2006 06:52:27	Scale1	TAMMY		Gross	77660 lb
Out	06/02/2006 06:52:27		TAMMY		Tare	33900 lb
					Net	43760 lb
					Tons	21.88

Comments

OPEN MONDAY - FRIDAY 6:00 am to 6:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LDx	Qty	UOM	Rate	Tax	Amount	Origin
1	Special M sc-Tons-	100	21.88	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	EvFD-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	21.88	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

Kevin Strayhorn 53

403WM

10001118

10001119

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type *(Form designed for use on elite (12-pitch) typewriter.)*

CWM

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

[illegible] DEFENSE DEPOT
[illegible] AVENUE
[illegible] TN 38114

4. Generator's Phone [illegible]

A. Manifest Number **WMNA** [illegible]396

B. State Generator's ID TN[illegible]

5. Transporter 1 Company Name: Ross Trucking

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

THE YUHICA LANDFILL
[illegible] BOWDITCH ROAD

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone [illegible]

GENERATOR

11. Description of Waste Materials [illegible]	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURNED DRUMS WM Profile # [illegible]					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT:

16 GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name [illegible] | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2982

Original
Ticket# 360086

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/02/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10669586
Destination
PO 5001260
Profile 100709MS (BURNER DRUMS)
Generator 181-MEM,MHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT04
Container
Driver
Check#
Billing # 0002005
Cer EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/02/2009 13:44:23	Scale1	FRANCIS		Gross	87440 lb
Out	06/02/2009 13:44:22		FRANCIS		Tare	28800 lb
					Net	58640 lb
					Tons	29.32

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	29.32	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Enf8-Env Fee $8 Ly	100	1	Load				SHE
4	FRT-TRANSPORTATION	100	29.32	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001120

10001121

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

MEMPHIS DEFENSE DEPOT
1701 DAVIS AVENUE
MEMPHIS, TN 38114

4. Generator's Phone

A. Manifest Number: **WMNA** 10661597

B. State Generator's ID

5. Transporter 1 Company Name: Shirley T.S. | 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: THE TUNICA LANDFILL, 6328 SOUTH ROAD | 10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. EXPIRED DRUGS WM Profile #			1 YDS.		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Material's Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell _____ Level _____

Grid _____

15. Special Handling Instructions and Additional Information

Purchase Order # Ticket #360077 EMERGENCY CONTACT: Tons 24.71

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
[illegible]	[signature]	06	20	19

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Kevin Kennedy	Kevin Kennedy	06	20	19

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	06	21	19

CWM - NHM - 1 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 3666-
Ph: 662 262 2202

Original
Ticket# 320077

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/02/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660597
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 151-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 52
Container
Driver
Check#
Billing # 00000085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/02/2009 13:07:59	Scale1	FRANCIS		Gross	83320 lb
Out	06/02/2009 13:07:59		FRANCIS		Tare	33900 lb
					Net	49420 lb
					Tons	24.71

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

Product		LB%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	24.71	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	24.71	Tons				SHE

Total Tax
Total Ticket

Driver's Signature Kevin Gregory 53

10001122

10001123

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1710 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A. Manifest Number **WMNA**

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number | C. State Transporter's ID | D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number | G. State Facility's ID | H. Facility's Phone
THE TUNICA LANDFILL
6833 DONDRE ROAD

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill ___ Solidification ___
Bio Remediation ___

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
Ticket # 360016 Tons 28.09
Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.
Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
5035 Bowdre Rd
Robinsonville, MS. 38664
Ph: 662 363 2892

Original
Ticket# 3600?5

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 05/02/2005
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10680598
Destination
PO 5001268
Profile 100705MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# MRI Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	05/02/2005 13:01:15	Scale1	FRANCIS		Gross	89900 lb
Out	05/02/2005 13:01:16		FRANCIS		Tare	32520 lb
					Net	57380 lb
					Tons	28.69

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	28.69	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $6 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	28.69	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001124

10001125

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

DEFENSE DEPOT
1716 DONNA AVENUE

4. Generator's Phone

A. Manifest Number **WMNA** 10693599

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number

TAYLOR LANDFILL
6035 BORROW ROAD

G. State Facility's ID

H. Facility's Phone

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ____ Solidification ____

Bio Remediation ____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # Ticket # 360067 EMERGENCY CONTACT. Tons 28.33

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
#571 2				

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

CWM - NHM 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 8282

Original
Ticket# 360067

Customer Name HSPACO35 HSPACO INC_85
Ticket Date 06/02/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 105605S9
Destination
PO 5001263
Profile 100709MS (BURNED DRUMS)
Generator 101-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# STC2
Container
Driver
Check#
Billing # WW00035
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/02/2009 12:22:32	Scale1	FRANCIS		Gross	87160 lb
Out	06/02/2009 12:22:32		FRANCIS		Tare	30500 lb
					Net	56660 lb
					Tons	28.33

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

Product	LDs	Qty	UOM	Rate	Tax	Amount	Origin
1 Special Misc-Tons-	100	28.33	Tons				SHE
2 FUEL-Fuel Surcharg	100		%				SHE
3 Evt8-Env Fee $8 Lg	100	1	Load				SHE
4 TRT-TRANSPORTATION	100	28.33	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001126

10001127

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No: TN4210020535 — Manifest Document No.

2. Page 1 of 2

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1216 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 2416 274 0248

A. Manifest Number: **WMNA** 1782130

B. State Generator's ID: TN4210020535

5. Transporter 1 Company Name: Skrle Trucking Co. — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6955 BOMBRE ROAD
HERNANDO MS 38632 — 10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 429 9999

GENERATOR

11. Description of Waste Materials	12. Containers No	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 160705HS			1		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill — Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 360068 Tons 23.45

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
[illegible]	[signature]	12	12	07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Darrell Rogers	[signature]	12	12	07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	12	12	07

CWM - NHM - 1 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2332

Original
Ticket# 360065

Customer Name HEPACO95 HEPACO INC_95
Ticket Date 06/02/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 106606600
Destination
PO 5001358
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 501 Volume
Container
Driver
Check#
Billing # 3000295
Geo EPA ID

	Time	Scale	Operator	Inbound	Gross	80020 lb
In	06/02/2009 12:24:37	Scale1	FRANCIS		Tare	33120 lb
Out	06/02/2009 12:24:37		FRANCIS		Net	46900 lb
					Tons	23.45

Comments

OPEN MONDAY - FRIDAY 5:00 am to 3:30 pm & SATURDAY 5:30 am to 11:30 pm

Product		LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	23.45	Tons				SHE
3	FUEL-Fuel Surcharg	100		%				SHE
2	Enf8-Env Fee $5 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	23.45	Tons				SHE

Total Tax
Total Ticket

Driver's Signature Darrell Sanders

10001128

10001129

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 IOWA AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A. Manifest Number **WMNA** 1066501

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number | C. State Transporter's ID | D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6305 BUMGRE ROAD

10. US EPA ID Number | G. State Facility's ID | H. Facility's Phone

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURNED DRUMS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15 Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT.

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
PH: 662 363 2882

Original
Ticket# 360068

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/08/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660CQ1
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 161-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 241
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/08/2009 11:51:37	Scale1	FRANCIS		Gross	82000 lb
Out	06/08/2009 11:51:37		FRANCIS		Tare	31540 lb
					Net	50460 lb
					Tons	25.23

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	25.22	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee 48 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	25.23	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

100011130

10001131

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No | Manifest Document No.

2. Page 1 of

3 Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
4 Generator's Phone

A Manifest Number **WMNA**

B. State Generator's ID

5. Transporter 1 Company Name | 6 US EPA ID Number | C State Transporter's ID | D. Transporter's Phone

7. Transporter 2 Company Name | 8 US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9 Designated Facility Name and Site Address | 10. US EPA ID Number | G State Facility's ID | H Facility's Phone
TWE TUNICA LANDFILL
COOS KOONTZ ROAD

11. Description of Waste Materials	12. Containers No	Type	13 Total Quantity	14 Unit Wt./Vol	I. Misc. Comments
a BURNED DRUMS WM Profile #					
b WM Profile #					
c WM Profile #					
d WM Profile #					

J Additional Descriptions for Materials Listed Above

Landfill Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15 Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
5035 Bowdre Rd
Robinsonville, MS 38664
Ph: 662 363 2252

Original
Ticket# 360060

Customer Name HEPAC085 HEPACO INC_85
Ticket Date 06/02/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660002
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 131-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 92
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound	Gross	77120 lb
In	05/02/2009 11:33:24	Scale1	FRANCIS		Tare	32180 lb
Out	06/02/2009 11:33:24		FRANCIS		Net	44940 lb
					Tons	22.47

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:00 am to 11:30 pm

Product		LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	22.47	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee #8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	22.47	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

402WM

10001132

10001133

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12 pitch) typewriter)*

CWM

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

MEMPHIS DEFENSE DEPOT
1736 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A. Manifest Number **WMNA** 10660073

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number

C. State Transporter's ID

7. Transporter 2 Company Name | 8. US EPA ID Number

D. Transporter's Phone

E. State Transporter's ID

9. Designated Facility Name and Site Address | 10. US EPA ID Number

F. Transporter's Phone

THE TURCA LANDFILL
6600 BOWDRE ROAD

G. State Facility's ID

H. Facility's Phone

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	Misc. Comments
a. BURNED DRUMS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT

16. GENERATOR'S CERTIFICATION.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6335 Bowdre Rd
Robinsonville, MS. 38664
Ph: 662 363 2282

Original
Ticket# 3600058

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/02/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660523
Destination
PO 5001262
Profile 100709MS \BURNED DRUMS\
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# F2 Volume
Container
Driver
Check#
Billing # 0060055
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/02/2009 11:28:02	Scale1	FRANCIS		Gross	87980 lb
Out	06/02/2009 11:28:02		FRANCIS		Tare	32160 lb
					Net	54720 lb
					Tons	27.36

Comments

OPEN MONDAY - FRIDAY 6:00 am to 2:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LO%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Toner	100	27.36	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	27.36	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

402WM

10001134

10001135

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No: T N 2 1 0 0 7 3 5 7 0 — Manifest Document No.

2 Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1765 HUNT AVENUE
MEMPHIS TN 38114
4 Generator's Phone

A. Manifest Number: **WMNA** 127094

B. State Generator's ID

5 Transporter 1 Company Name: Perry Tunica Dep 203 — 6 US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: THE TUNICA LANDFILL, 6085 ROBBINS ROAD — 10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13 Total Quantity	14 Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # 609235					
b. WM Profile #					
c WM Profile #					
d WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill — Solidification

Bio Remediation

K. Disposal Location

Cell — Level

Grid

15. Special Handling Instructions and Additional Information

TNT 300054

Purchase Order # — EMERGENCY CONTACT: Tom 2 0 3 4

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
T. J. Sec				

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Daniel Dees		01	02	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year
		01	16	09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6335 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 360054

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 05/02/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 105C0604
Destination
PO 5001268
Profile 100749MS (BURNED DRUMS)
Generator _SI-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# PTC
Container
Driver
Check#
Billing # 00/2085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	05/02/2009 11:18:15	Scale1	FRANCIS		Gross	91220 lb
Out	05/02/2009 11:19:19		FRANCIS		Tare	32620 lb
					Net	58600 lb
					Tons	29.30

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:00 am to 11:30 pm

Product		LDM	Qty	UOM	Rate	Tax	Account	Origin
1	Special Misc-Tons-	100	29.30	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TAT-TRANSPORTATION	100	29.30	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001136

10001137

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of

3. Generator's Name and Mailing Address

MEMPHIS DEFENSE DEPOT
1765 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A. Manifest Number: **WMNA** 10660606

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number | C. State Transporter's ID | D. Transporter's Phone

7. Transporter 2 Company Name: Ross Trucking | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address: THE TUNICA LANDFILL, 6385 DOMORE ROAD | 10. US EPA ID Number | G. State Facility's ID | H. Facility's Phone

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill — Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT: TOM 30.20

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: [illegible] R. ROSS | Signature | Month Day Year: 12/10/96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: [illegible] Boyd | Signature | Month Day Year: 12/12/96

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
5035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2292

Original
Ticket# 360049

Customer Name MEMPDO65 MEMPCO INC_85
Ticket Date 06/02/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10640F05
Destination
PO 5001262
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT04
Container
Driver
Check#
Billing # 0000065
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/02/2009 11:07:06	Scale1	FRANCIS		Gross	85200 lb
Out	06/02/2009 11:07:06		FRANCIS		Tare	54800 lb
					Net	30400 lb
					Tons	30.20

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 8:30 am to 11:30 pm

	Product	LOC	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	30.20	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Svf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	30.20	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001138

10001139

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12 pitch) typewriter)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

MEMPHIS DEFENSE DEPOT
1146 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A Manifest Number **WMNA**

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number | C. State Transporter's ID | D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number | G. State Facility's ID | H. Facility's Phone

THE TUNICA LANDFILL
4095 ROUNDTREE ROAD

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	Misc. Comments
a. BURIED DRUMS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J. Additional Descriptions for Materials Listed Above

Landfill Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

GWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Yanica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2232

Original
Ticket# 300046

Customer Name HEPACO55 HEPACO INC_95
Ticket Date 06/02/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 1M660F0C
Destination
PO 500126A
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT1
Container
Driver
Check#
Billing # 0000055
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/02/2009 10:59:37	Scale1	FRANCIS		Gross	90020 lb
Out	06/02/2009 10:59:37		FRANCIS		Tare	27600 lb
					Net	62420 lb
					Tons	31.21

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LDF	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	31.21	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $9 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	31.21	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

40WM

10001140

10001141

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No. | Manifest Document No | 2. Page 1 of

3 Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
4. Generator's Phone

A Manifest Number **WMNA** 10660617

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number | C. State Transporter's ID | D. Transporter's Phone

7 Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6305 BOWDRE ROAD
10. US EPA ID Number | G. State Facility's ID | H. Facility's Phone

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J Additional Descriptions for Materials Listed Above
Landfill Solidification
Bio Remediation

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17 Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest
Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2662

Original
Ticket# 360834

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/02/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 09660607
Destination
PO 5001668
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 53
Container
Driver
Check#
Billing # 00030055
Sen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/02/2009 10:14:33	Scale1	FRANCIS		Gross	81600 lb
Out	06/02/2009 10:14:33		FRANCIS		Tare	33900 lb
					Net	47700 lb
					Tons	23.85

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:00 am to 11:30 pm

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	23.80	Tons				PHI
2	FUEL-Fuel Surcharg	100		%				PHI
3	Evf9-Env Fee $8 Lg	100	1	Load				PHI
4	TRT-TRANSPORTATION	100	23.69	Tons				PHI

Total Tax
Total Ticket

Driver's Signature Kevin Gregory 53

403WM

10001142

10001143

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No

2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
710 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A. Manifest Number **WMNA**

B. State Generator's ID

5. Transporter 1 Company Name — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
4035 BOWDRE ROAD

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a GLASS DRUGS WM Profile #					
b WM Profile #					
c WM Profile #					
d WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Ticket # 360025 Tons 24.25

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 360025

Customer Name HERACO83 HERACO INC_85
Ticket Date 06/02/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 006596608
Destination
PO 5001222
Profile 100705MS (BURNED DRUMS)
Generator 131-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 501
Container
Driver
Empty#
Billing # 20000045
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/02/2009 09:55:55	Scale1	FRANCIS		Gross	81620 lb
Out	06/02/2009 09:56:50		FRANCIS		Tare	33120 lb
					Net	48500 lb
					Tons	24.25

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:00 am to 11:30 pm

	Product	LD#	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	24.25	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Ev2S-Env Fee 18 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	24.25	Tons				SHE

Total Tax
Total Ticket

Driver's Signature Darrell Sandel

402WM

10001144

10001145

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
7740 GUION AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A. Manifest Number WMNA 10661611

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number | C. State Transporter's ID | D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number | G. State Facility's ID | H. Facility's Phone
THE TUNICA LANDFILL
6035 BOWDRE ROAD

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. DUMPED DRUMS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solid Ilcation _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 360819

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/02/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660603
Destination
PO 5001268
Profile 130706MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# STCR Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/02/2009 09:27:36	Scale1	FRANCIS		Gross	85100 lb
Out	06/06/2009 09:27:36		FRANCIS		Tare	30500 lb
					Net	54600 lb
					Tons	27.30

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LOC	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	27.30	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Cvf9-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	27.30	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

100011469

10001147

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No | 2 Page 1 of

3 Generator's Name and Mailing Address

4. Generator's Phone

A Manifest Number **WMNA**

B. State Generator's ID

5 Transporter 1 Company Name | 6 US EPA ID Number | C. State Transporter's ID | D. Transporter's Phone

7 Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F Transporter's Phone

9 Designated Facility Name and Site Address | 10. US EPA ID Number | G. State Facility's ID | H Facility's Phone

11 Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14. Unit Wt./Vol	I. Misc. Comments
a. WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J Additional Descriptions for Materials Listed Above

Landfill Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6075 Bowdre Rd
Robinsonville MS 38664
ph: 662 363 2281

Original
Ticket# 360014

Customer Name PEPARCO85 PEPARCO INC 85
Ticket Date 06/02/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 100605510
Destination
PO 5000268
Profile 100709MS (BURNED DRUMS)
Generator 191-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# JM1 Volume
Container
Driver
Check
Billing # 0000065
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/02/2009 09:05:55	Scale1	FRANCIS		Gross	75980 lb
Out	06/02/2009 09:35:55		FRANCIS		Tare	31540 lb
					Net	47440 lb
					Tons	23.72

Comments

OPEN MONDAY - FRIDAY 6:00 am to 5:30 pm & SATURDAY 8:30 am to 11:30 pm

Product		Lot#	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc Tons	100	23.72	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Env8-Env Fee $5 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	23.72	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

100011148

10001149

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No | 2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1736 DAUM AVENUE
MEMPHIS TN 38114
4. Generator's Phone

A. Manifest Number **WMNA** 10663011

B. State Generator's ID TN4170 53

5. Transporter 1 Company Name | 6. US EPA ID Number | C. State Transporter's ID | D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number | G. State Facility's ID | H. Facility's Phone
THE TUNICA LANDFILL
COX BOTTOM ROAD

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. DRIED SOILS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill ____ Solidification ____
Bio Remediation ____

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		06	03	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
		06	10	96

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6025 Bowdre Rd
Robinsonville, MS. 38664
Ph: 662 363 8282

Original
Ticket# 360095

Customer Name HERACO85 HERACO INC_85
Ticket Date 06/02/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 1065061
Destination
PO 5001868
Profile 100709ME (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATT=E=STRUCKIN STRAYHORN TRUCKING
Vehicle# PE Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/02/2009 14:18:39	Scale1	FRANCIC		Gross	81860 lb
Out	06/02/2009 14:16:39		FRANCIS		Tare	33160 lb
					Net	48700 lb
					Tons	24.35

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LDF	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	24.35	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Enf8-Env Fee $6 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	24.35	Tons				SHE

Total Tax
Total Ticket

Driver s Signature

10001150

10001151

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

MEMPHIS DEFENSE DEPOT
1716 DARNELL AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A Manifest Number **WMNA**

B State Generator's ID

5 Transporter 1 Company Name | 6. US EPA ID Number | C. State Transporter's ID | D Transporter's Phone

7 Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number | G State Facility's ID | H Facility's Phone

THE TURNER LANDFILL
6363 GONDERT ROAD

GENERATOR

11. Description of Waste Materials	12 Containers No.	Type	13 Total Quantity	14 Unit Wt./Vol	I. Misc Comments
a. BURNED DRUMS WM Profile #					
b. WM Profile #					
c WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT.

16. GENERATOR'S CERTIFICATION.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS. 38664
Ph: 662 363 6252

Original
Ticket# 360103

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/02/2009
Payment Type Credit Account
Manual Ticket#
Hauling Tickets
Route
State Waste Code
Manifest 106625ir2
Destination
PO 5501266
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHIS DEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# S01 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/02/2009 14:45:09	scale1	FRANCIS		Gross	80280 lb
Out	06/02/2009 14:46:02		FRANCIS		Tare	33120 lb
					Net	47160 lb
					Tons	23.58

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	23.53	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	ENV2-Env Fee $2 Lg	100	1	Load				SHE
4	TST-TRANSPORTATION	100	20.30	Tons				SHE

Total Tax
Total Ticket

Driver's Signature Darrell Sanders

403WM

10001152

10001153

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone

A. Manifest Number **WMNA** 10650313

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number

THE TONIKA LANDFILL
6955 BOSMORE ROAD

G. State Facility's ID

H. Facility's Phone

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION

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Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6335 Bowdre Rd
Robinsonville, MS 38664
Ph: 662 363 8080

Original
Ticket# 360095

Customer Name HERAC085 HERAC3 INC_85
Ticket Date 05/02/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10680513
Destination
PO 5001868
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# JK1
Container
Driver
Check#
Billing # 0020085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	05/02/2009 14:04:46	Scale1	FRANCIS		Gross	51160 lb
Out	05/02/2009 14:04:42		FRANCIS		Tare	21540 lb
					Net	49620 lb
					Tons	24.81

Comments

OPEN MONDAY - FRIDAY 6:00 am to 5:30 pm & SATURDAY 6:30 am to 11:30 am

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	24.81	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evfd-Env Fee $5 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	24.81	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

100011154

10001155

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12 pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No. | 2 Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
4. Generator's Phone

A. Manifest Number **WMNA**

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number | C. State Transporter's ID | D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address
THE NORCA LANDFILL
6868 BOWDRE ROAD

10. US EPA ID Number | G. State Facility's ID | H. Facility's Phone

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. RUSTED DRUMS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ____ Solidification ____

Bio Remediation ____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2592

Original
Ticket# 360107

Customer Name HERACOS HERACO INC_AS
Ticket Date 06/02/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 106665A
Destination
PO 5001266
Profile 100709NS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 5102 Volume
Container
Driver
Check#
Billing # 0400035
Our EPA ID

	Time	Scale	Operator	Inbound		
In	06/02/2009 14:38:48	Scale1	FRANCIS		Gross	79380 lb
Out	06/02/2009 14:39:40		FRANCIS		Tare	30500 lb
					Net	48880 lb
					Tons	24.44

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:00 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Trans-	100	24.44	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Surf8-Env Fee 55 Lg	100	1	Load				SHE
4	TRI-TRANSPORTATION	100	24.44	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001156

10001157

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12 pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNN210210534 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1715 THIRD AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A. Manifest Number **WMNA** 10661513

B. State Generator's ID TNHS52

5. Transporter 1 Company Name — 6. US EPA ID Number — C. State Transporter's ID — D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number — E. State Transporter's ID — F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TAMPA LANDFILL
6616 BOWARE ROAD

10. US EPA ID Number — G. State Facility's ID — H. Facility's Phone

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile #			1 DRUM		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ___ Solidification ___

Bio Remediation ___

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name — Signature "On behalf of" — Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowore Rd
Robinsonville, MS. 38664
Ph: 662 363 2282

Original
Ticket# 360103

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/02/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route .
State Waste Code
Manifest 10550515
Destination
PO 5001208
Profile 100703MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 52
Container
Driver
Check#
Billing # CR00085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/02/2009 14:33:33	Scale1	FRANCIS		Gross	79280 lb
Out	06/02/2009 14:33:43		FRANCIS		Tare	32180 lb
					Net	47100 lb
					Tons	23.55

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	ID#	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	23.55	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Svc%-Env Fee $3 Lg	100		Load				SHE
4	TNT-TRANSPORTATION	100	23.55	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001158

10001159

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114
4. Generator's Phone

A Manifest Number: WMNA

B. State Generator's ID

5. Transporter 1 Company Name: Shelby Co
6. US EPA ID Number
C State Transporter's ID
D Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
TYRE TUNICA LANDFILL
6100 DOMAINE ROAD
10. US EPA ID Number
G. State Facility's ID
H Facility's Phone

11. Description of Waste Materials	12 Containers No.	Type	13 Total Quantity	14 Unit Wt./Vol	I. Misc. Comments
a. MIXED DEBRIS WM Profile # 1000[illegible]					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J Additional Descriptions for Materials Listed Above
Landfill _ Solidification _
Bio Remediation _

K Disposal Location
Cell Level
Grid

15 Special Handling Instructions and Additional Information
19 3601HO
7 R 53
Purchase Order # EMERGENCY CONTACT: Tom 22-70

16. GENERATOR'S CERTIFICATION:
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Kevin Coleman | Signature | Month Day Year: 1/6 12 19

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19 Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.
Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 0362

Original
Ticket# 360116

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/02/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 100600615
Destination
PO 5001265
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 53
Container
Driver
Check#
Billing # 0000065
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/02/2009 15:05:05	Scale1	FRANCIS		Gross	79300 lb
Out	06/02/2009 15:05:05		FRANCIS		Tare	33900 lb
					Net	45400 lb
					Tons	22.70

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Special Misc-Tons-	100	22.7	Tons				SHE
2 FUEL-Fuel Surcharg	100		%				SHE
3 Evf8-Env Fee $8 Lg	100	1	Load				SHE
4 TRT-TRANSPORTATION	100	22.7	Tons				SHE

Total Tax
Total Ticket

Driver's Signature Kevin Gregory 53

402WM

10001160

10001161

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12 pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No | 2. Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone

A. Manifest Number: WMNA 10600619

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number | C. State Transporter's ID | D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number | G. State Facility's ID | H. Facility's Phone

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT

16. GENERATOR'S CERTIFICATION.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator. Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2202

Original
Ticket# 360091

Customer Name HERCD085 HERCO INC_85
Ticket Date 06/02/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10680619
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 013
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/02/2009 13:54:47	Scale1	FRANCIS		Gross	80820 lb
Out	06/02/2009 13:54:47		FRANCIS		Tare	32620 lb
					Net	48200 lb
					Tons	24.10

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	24.10	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf5-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	24.10	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001162

10001163

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114
4. Generator's Phone

A. Manifest Number **WMNA**
B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number | C. State Transporter's ID | D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number | G. State Facility's ID | H. Facility's Phone
THE TUNICA LANDFILL
6625 DOWDIE ROAD

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill ____ Solidification ____
Bio Remediation ____

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest
Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 360090

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/02/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10CC0620
Destination
PO 5001868
Profile 120709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN ETPAYHORN TRUCKING
Vehicle# PTI
Container
Driver
Check #
Billing # 0000005
Can EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/02/2009 13:52:02	Scale1	FRANCIS		Gross	82780 lb
Out	06/02/2009 13:52:02		FRANCIS		Tare	27600 lb
					Net	55180 lb
					Tons	28.05

Comments

OPEN MONDAY - FRIDAY 5:00 am to 3:30 pm & SATURDAY 5:00 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	28.00	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evfs-Env Fee $6 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	28.05	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001184

10001165

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1765 DURHA AVENUE
MEMPHIS TN 38114
4. Generator's Phone

A. Manifest Number **WMNA**

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number | C. State Transporter's ID | D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
0055 ROMORE ROAD

10. US EPA ID Number | G. State Facility's ID | H. Facility's Phone

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. DURED DRUMS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Ticket # 360125

Purchase Order # EMERGENCY CONTACT: Tons - 27.40

16 GENERATOR'S CERTIFICATION.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name | Signature | Month Day Year

CWM NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6025 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2882

Original
Ticket# 360125

Customer Name HERACOBS HERACO INC_BS
Ticket Date 05/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 100608616
Destination
PO S00.258
Profile 100705MS (BURNED DRUMS)
Generator 161-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# PT3
Container
Driver
Check#
Billing # 00700055
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	05/03/2009 05:45:39	Scale1	TAMMY		Gross	87420 lb
Out	05/03/2009 05:45:39		TAMMY		Tare	32820 lb
					Net	54600 lb
					Tons	27.30

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:20 pm

	Product	Lbs%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	27.30	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf3-Env Fee $2 Lg	100		Load				SHE
4	TRT-TRANSPORTATION	100	27.30	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001166

10001167

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No: TN2160012570 | Manifest Document No.

2 Page 1 of

3 Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1710 DUNN AVENUE
MEMPHIS TN 38114
4 Generator's Phone

A Manifest Number: WMNA 10660621

B State Generator's ID

5 Transporter 1 Company Name: Wallace & Kind | 6 US EPA ID Number | C State Transporter's ID | D Transporter's Phone

7 Transporter 2 Company Name: N/A | 8 US EPA ID Number | E State Transporter's ID | F Transporter's Phone

9 Designated Facility Name and Site Address
THE TUNICA LANDFILL
6035 BOWDRE ROAD
10 US EPA ID Number | G State Facility's ID | H Facility's Phone

11 Description of Waste Materials	12 Containers No.	12 Containers Type	13 Total Quantity	14 Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J Additional Descriptions for Materials Listed Above
Landfill _____ Solidification _____
Bio Remediation _____

K Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
Ticket # 360170 TONS
Purchase Order # EMERGENCY CONTACT

16 GENERATOR'S CERTIFICATION:
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

GENERATOR

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
T.L. & Sons		10		

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
STEVE Sexton MR		10	30	19

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year
Timothy Reed		10	30	19

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 360170

Customer Name HEPACO8E HEPACO INC_8S
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10550621
Destination
PO 5301268
Profile 100739MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# MR1 Volume
Container
Driver
Check#
Billing # 00000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/03/2009 09:28:16	Scale1	FRANCIE		Gross	87840 lb
Out	06/03/2009 09:28:16		FRANCIE		Tare	32520 lb
					Net	55320 lb
					Tons	27.66

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	27.66	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Svfd-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	27.66	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001168

10001169

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type *(Form designed for use on elite (12-pitch) typewriter.)*

CWM

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2 Page 1 of

3 Generator's Name and Mailing Address

MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A. Manifest Number **WMNA** 1169022

B State Generator's ID

5 Transporter 1 Company Name | 6. US EPA ID Number

C State Transporter's ID

D Transporter's Phone

7. Transporter 2 Company Name | 8 US EPA ID Number

E State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number

THE TURNER LANDFILL
6301 BONDRE ROAD

G. State Facility's ID

H Facility's Phone

11. Description of Waste Materials	12 Containers No.	12 Containers Type	13 Total Quantity	14 Unit Wt./Vol.	I. Misc. Comments
a. SHREDDED DRUMS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J Additional Descriptions for Materials Listed Above

Landfill ____ Solidification ____

Bio Remediation ____

K. Disposal Location

Cell Level

Grid

15 Special Handling Instructions and Additional Information

Ticket 360169

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator. Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS. 38664
Ph: 662 363 2382

Original
Ticket# 360169

Customer Name HEPACO85 HEPACO INC_SE
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660622
Destination
PO 5001268
Profile 100705MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# JK1 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/03/2009 09:25:39	Scale1	FRANCIS		Gross	86360 lb
Out	06/03/2009 09:25:38		FRANCIS		Tare	31540 lb
					Net	54820 lb
					Tons	27.41

Comments

OPEN MONDAY - FRIDAY 5:00 am to 3:30 pm & SATURDAY 6.30 am to 11:30 pm

Product		LDA	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	27.41	Tons				SHE
2	FUEL-Fuel Surcharg	100		$				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	27.41	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001170

10001171

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

CWM

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

3 Generator's Name and Mailing Address

4. Generator's Phone

A Manifest Number **WMNA** 10660623

B State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9 Designated Facility Name and Site Address | 10. US EPA ID Number

THE TUNICA LANDFILL
GOLS BOWDRE ROAD

G. State Facility's ID

H. Facility's Phone

11. Description of Waste Materials	12. Containers No.	Type	13 Total Quantity	14. Unit Wt./Vol.	Misc. Comments
a. BURIED DRUMS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
5035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2292

Original
Ticket# 360166

Customer Name HEPACO55 HEPACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10560623
Destination
PO 5001258
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHE-STRUCKIN ETRAYHORN TRUCKING
Vehicle# 3702 Volume
Container
Driver
Check#
Billing # 2000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/03/2009 09:19:31	Scale1	FRANCIS		Gross	87540 lb
Out	06/03/2009 09:19:31		FRANCIS		Tare	30500 lb
					Net	57040 lb
					Tons	28.52

Comments

OPEN MONDAY - FRIDAY 5:00 am to 5:30 pm & SATURDAY 5:30 am to 11:30 pm

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	28.52	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee #8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	28.52	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001172

10001173

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No: T N R 1 0 0 7 2 7 7 6 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEPOT DIRECT
[illegible] AVENUE
MEMPHIS TN 38114

4. Generator's Phone [illegible]

A. Manifest Number: WMNA 1782824

B. State Generator's ID: TN0577

5. Transporter 1 Company Name: Shiloh Trucking S.

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6000 BOWERS ROAD

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone [illegible]

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # [illegible]					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ___ Solidification ___

Bio Remediation ___

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Top 36016
-1K S1

Purchase Order # EMERGENCY CONTACT: Tom 2.2.00

16. GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
[illegible]	[signature]			

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	12	12	00

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	12	12	00

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2292

Original
Ticket# 360164

Customer Name HEPACO85 HEPACO INC_35
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 105690624
Destination
PO 5001269
Profile 100703MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 501
Container
Driver
Check#
Billing # 0020085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/03/2009 09:13:00	Scale1	FRANCIS		Gross	81100 lb
Out	06/02/2009 09:13:08		FRANCIS		Tare	33120 lb
					Net	47980 lb
					Tons	23.99

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 am

	Product	U/M	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	23.99	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Ev#8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	23.99	Tons				SHE

Total Tax
Total Ticket

Driver's Signature Darrell Sandel's

403WM

10001174

10001175

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter)*

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of

3. Generator's Name and Mailing Address
NEWPORT DEFENSE DEPOT
1716 DUNN AVENUE
4. Generator's Phone

A Manifest Number **WMNA** 10650625

B. State Generator's ID TWMJ053

5 Transporter 1 Company Name Shirley S.S. | 6. US EPA ID Number | C. State Transporter's ID | D Transporter's Phone

7 Transporter 2 Company Name | 8 US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6565 BONDURE ROAD
10 US EPA ID Number | G. State Facility's ID | H. Facility's Phone

11. Description of Waste Materials	12. Containers No	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. CRUSHED DRUMS WM Profile #			Mix		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J Additional Descriptions for Materials Listed Above
Landfill ____ Solidification ____
Bio Remediation ____

K. Disposal Location
Cell Level
Grid

15 Special Handling Instructions and Additional Information
TOT # 3600 LBS
3
Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name Kevin Gregory | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest
Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6835 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2292

Original
Ticket# 360158

Customer Name HEPACO35 HEPACO INC_05
Ticket Date 05/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10560625
Destination
PO 5001258
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 53
Container
Driver
Check#
Billing # 0000385
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	05/03/2009 08:46:03	Scale1	FRANCIS		Gross	83920 lb
Out	05/03/2009 08:42:03		FRANCIS		Tare	33900 lb
					Net	50020 lb
					Tons	25.01

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

Product		LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	25.01	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $2 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	25.01	Tons				SHE

Total Tax
Total Ticket

Driver's Signature Kevin Gregory 53

403WM

10001176

10001177

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of 4

3. Generator's Name and Mailing Address

MEMPHIS DEFENSE DEPOT
1716 LUNA AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A. Manifest Number **WMNA**

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number | C. State Transporter's ID | D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number | G. State Facility's ID | H. Facility's Phone

THE TUNICA LANDFILL
6025 DOMINO ROAD

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a BURNED DRUMS WM Profile #					
b WM Profile #					
c WM Profile #					
d WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ____ Solidification ____

Bio Remediation ____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name | Signature | Month Day Year

CWM - NHM 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Eandre Rd
Robinsonville, MS. 38664
Ph: 662 363 8888

Original
Ticket# 360155

Customer Name HERACOES HERACO INC _SE
Ticket Date 06/03/2009
Payment Type Create Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 106520625
Destination
PO 5001268
Profile 120709MS (BURNED DRUMS)
Generator 191-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHENSTRUCKIN STRAYHORN TRUCKING
Vehicle# 20 Volume
Container
Driver
Check#
Billing # 0000005
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/03/2009 08:35:21	Scale1	TAMMY		Gross	76740 lb
Out	06/03/2009 08:33:21		TAMMY		Tare	32100 lb
					Net	44580 lb
					Tons	22.29

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	22.28	Tons				SHE
2	FUEL-Fuel Surcharg	100	.	%				SHE
3	Evf6-Env Fee 28 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	22.25	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001178

10001179

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No: TNR 0 0 0 8 1 0 6 7 0 1 — Manifest Document No:

2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A Manifest Number: WMNA 1066062?

B. State Generator's ID: TNR 0 0 5 3

5 Transporter 1 Company Name: Pena Trucking

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
BOYD BOTTOMS ROAD

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone

11. Description of Waste Materials	12 Containers No.	12 Containers Type	13 Total Quantity	14 Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile #					
b. WM Profile #					
c WM Profile #					
d WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
Ticket # 360154

Purchase Order # EMERGENCY CONTACT. Tom's 2733

16 GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John B. Sweet		10	15	97

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Daniel Perez		10	15	97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year
Marianne Ford	Marianne Ford	10	15	97

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Powdre Rd
Robinsonville, MS. 38664
Ph: 662 363 2252

Original
Ticket# 3601154

Customer Name HEFA0085 HEPACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 100600627
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier #PTTHE.STRUCKIN STRAYHORN TRUCKING
Vehicle# 0T3 Volume
Container
Driver
Check#
Billing # 09s0085
Per EPA ID

	Time	Scale	Operator	Inbound		
In	06/03/2009 08:22:47	Scale1	TAMMY		Gross	87380 lb
Out	06/03/2009 09:22:47		TAMMY		Tare	32520 lb
					Net	54660 lb
					Tons	27.33

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	27.33	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	EVFS-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	27.33	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001180

10001181

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

CWSM

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of 4

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1713 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A. Manifest Number **WMNA** 3162[illegible]

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6035 BOWDRE ROAD

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # Ticket # 360149 EMERGENCY CONTACT: Tom - 2/6.99

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2262

Original
Ticket# 360149

Customer Name HERACO85 HERACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660628
Destination
PO 5001258
Profile 100709MS (BURNED DRUG)
Generator '81-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# PL Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/03/2009 08:10:08	Scale1	TAMMY		Gross	87140 lb
Out	06/03/2009 08:10:36		TAMMY		Tare	33160 lb
					Net	53980 lb
					Tons	26.99

Comments

OPEN MONDAY - FRIDAY 6:00 am to 5:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	26.99	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	26.99	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

100011822

10001183

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12 pitch) typewriter.)*

COPY

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone

A. Manifest Number: WMNA 10650929

B. State Generator's ID: TWHAOF3

5. Transporter 1 Company Name: Ross Trucking

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: THE TUNICA LANDFILL, MISS HOMESITE ROAD

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 300147 Tons - 24.31

Purchase Order # EMERGENCY CONTACT:

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
		12	18	17

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
A Pinkerton for RTOY		12	20	17

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
		12	18	17

CWM - NHM / 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6635 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 3902

Original
Ticket# 350147

Customer Name HEPACO95 HEPACO INC_95
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10E50629
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# PT04 Volume
Container
Driver
Check#
Billing # 0000095
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/03/2009 07:55:52	Scale1	TOMMY		Gross	77340 lb
Out	06/03/2009 08:14:20	Scale1	TOMMY		Tare	28720 lb
					Net	48620 lb
					Tons	24.31

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 am

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	24.31	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Ev*8-Env Fee $8 Lg	100	1	Load				SHE
4	TR1-TRANSPORTATION	100	24.31	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001184

10001185

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter.)

CWM

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No: TNR 12 10 37 20 570 — Manifest Document No.

2 Page 1 of

3 Generator's Name and Mailing Address
DEFENSE DEPOT
7210 DUNN AVENUE
MEMPHIS TN 38116

4. Generator's Phone

A. Manifest Number: WMNA 3383830

B. State Generator's ID: TNM105 3

5. Transporter 1 Company Name — 6 US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8 US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address — 10. US EPA ID Number
THE TUNICA LANDFILL
6088 INGOMAR ROAD

G. State Facility's ID

H. Facility's Phone

11. Description of Waste Materials	12 Containers No.	Type	13. Total Quantity	14 Unit Wt./Vol.	I. Misc. Comments
a. DRIED SOLIDS WM Profile # 1507[illegible]			1 Roll		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

GENERATOR

J Additional Descriptions for Materials Listed Above

Landfill — Solidification

Bio Remediation

K. Disposal Location

Cell — Level

Grid

15 Special Handling Instructions and Additional Information

Ticket # 300145

Purchase Order # — EMERGENCY CONTACT.

Tom - 324-9

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name — Signature "On behalf of" — Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
5035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 8282

Original
Ticket# 360145

Customer Name HEPACOBS HEPACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10650630
Destination
PO 5001268
Profile 100705MS (BURNEL DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle #1: Volume
Container
Driver
Check#
Billing # 4600835
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/03/2009 07:56:36	Scale1	TAMMY		Gross	80980 lb
Out	06/03/2009 07:55:36		TAMMY		Tare	27600 lb
					Net	53380 lb
					Tons	26.69

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	26.69	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	26.69	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001186

10001187

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

CWM

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. 7 1 4 2 1 0 0 7 0 5 7 0 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS, TN 38114

4. Generator's Phone

A. Manifest Number **WMNA** 10660531

B. State Generator's ID TN0050

5. Transporter 1 Company Name — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address — 10. US EPA ID Number
THE TUNICA LANDFILL
6565 ROUNDS ROAD

G. State Facility's ID

H. Facility's Phone

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURNED DEBRIS WM Profile #			26.87		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # Ticket # 360128 EMERGENCY CONTACT: Tons - 26.87

16. GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John R. Cook		12	1	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Karl Skrivan		12	10	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Thomas Reed		12	15	09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowers Rd
Robinsonville, MS. 38664
Ph: 662 363 2285

Original
Ticket# 360122

Customer Name REPRCD85 REPRCO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660631
Destination
PO SR#1265
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 92 Volume
Container
Drive
Check#
Billing # 0000195
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/03/2009 05:40:16	Scale1	TAMMY		Gross	86300 lb
Out	06/03/2009 05:40:12		TAMMY		Tare	33160 lb
					Net	53140 lb
					Tons	26.57

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 am

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Special Misc-Tons-	100	26.57	Tons				SHE
2 FUEL-Fuel Surcharg	100		%				SHE
3 Env-Env Fee $8 Lg	100	1	Load				SHE
4 CR TRANSPORTATION	100	26.57	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

402WM

10001188

10001189

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12 pitch) typewriter.)*

CWM

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

3 Generator's Name and Mailing Address

MEMPHIS DEFENSE DEPOT
1715 DELTA AVENUE
MEMPHIS TN 38114

4 Generator's Phone

A. Manifest Number **WMNA**

B State Generator's ID

5. Transporter 1 Company Name — 6 US EPA ID Number — C. State Transporter's ID

Perry Trucking

D. Transporter's Phone

7. Transporter 2 Company Name — 8 US EPA ID Number — E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address — 10. US EPA ID Number — G State Facility's ID

THE TUNICA LANDFILL
6605 ROMAINE ROAD

H. Facility's Phone

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURNED DRUMS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ____ Solidification ____

Bio Remediation ____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 300223 Tons 25.10

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
		0	6	19

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		06	19	

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
		6	19	

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2882

Original
Ticket# 360223

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10E60522
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 161-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# PT3 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/03/2009 12:12:02	Scale1	FRANCIS		Gross	82820 lb
Out	06/03/2009 12:12:02		FRANCIS		Tare	32620 lb
					Net	50200 lb
					Tons	25.10

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

Product		LD%	Qty	UOM	Rate	Tax	Percent	Origin
1	Special Misc-Tons-	100	25.10	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	EvfG-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	25.10	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001190

10001191

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12 pitch) typewriter)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN2210070373 — Manifest Document No.

2. Page 1 of

3 Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1776 LING AVENUE
[illegible]

4 Generator's Phone

A Manifest Number **WMNA** 10660633

B. State Generator's ID TN1105?

5. Transporter 1 Company Name Kerr Trucking Proc — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7 Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
4555 DOMORE ROAD — 10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone

11. Description of Waste Materials	12 Containers No.	12 Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
GENERATOR a. BURNED DRUGS WM Profile # [illegible]					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill — Solidification

Bio Remediation

K. Disposal Location

Cell — Level

Grid

15 Special Handling Instructions and Additional Information
Ticket # 360220 · Tons 25.01

Purchase Order # — EMERGENCY CONTACT:

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name — Signature "On behalf of" — Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Kevin Stribling — Signature — Month Day Year 06 12 07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name Tommie Ray — Signature — Month Day Year 06 13 07

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6055 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 360282

Customer Name HERACO05 HERACO INC_95
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660632
Destination
PO 5001282
Profile 100709MS (BURNED DRUMS)
Generator 151-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# P2
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/03/2009 12:09:23	Scale1	FRANCIS		Gross	83180 lb
Out	06/03/2009 12:09:23		FRANCIS		Tare	33160 lb
					Net	50020 lb
					Tons	25.01

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	25.01	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Env0-Env Fee $2 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	25.01	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001192

10001193

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of

3. Generator's Name and Mailing Address
MEARNS DEFENSE DEPOT
170 DUNN AVENUE
DEPEW, NY 14043
4. Generator's Phone (716) 656-6746

A. Manifest Number **WMNA** 1965032
B. State Generator's ID TWM 0572

5. Transporter 1 Company Name: ROSS TRUCKING
6. US EPA ID Number
C. State Transporter's ID
D. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
THE NIAGARA LANDFILL
6500 BOWMAN ROAD
10. US EPA ID Number
G. State Facility's ID
H. Facility's Phone (716) 795-9500

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. EXPIRED DRUGS WM Profile # 1007[illegible]					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J Additional Descriptions for Materials Listed Above
Landfill _____ Solidification _____
Bio Remediation _____

K. Disposal Location
Cell Level
Grid 21 16

15. Special Handling Instructions and Additional Information
1 DRUM
+ 12 RTOF
TONS 27.37
Purchase Order # EMERGENCY CONTACT.

16. GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: CP Ashbaugh RTOF | Signature | Month Day Year: 04 13 09

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.
Printed/Typed Name: Francis Bond | Signature | Month Day Year: 04 13 09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 353 2288

Original
Ticket# 250816

Customer Name HERACO85 HERACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10558634
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT04 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/03/2009 11:58:08	Scale1	FRANCIS		Gross	83460 lb
Out	06/03/2009 11:58:08		FRANCIS		Tare	28720 lb
					Net	54740 lb
					Tons	27.37

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	27.37	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	27.37	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001194

10001195

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNR2100079520 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1776 DUNN AVENUE
MEMPHIS TN 38114
4. Generator's Phone

A. Manifest Number **WMNA** 10653635

B. State Generator's ID

5. Transporter 1 Company Name — 6. US EPA ID Number — C. State Transporter's ID — D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number — E. State Transporter's ID — F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6255 BOMBRE ROAD

10. US EPA ID Number — G. State Facility's ID — H. Facility's Phone

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. CRUSHED DRUMS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
		06	12	03

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		06	12	03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year
		06	12	03

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Original
Ticket# 360215

Tunica Landfill
2035 Bowdre Rd
Robinsonville, MS, 38664
ph: 662 363 2202

Customer Name HEPACO@E HEPACO INC_05
Ticket Date 08/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10560635
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT1
Container
Driver
Check#
Billing # 00000085
Gen EPA ID

	Time	Scale	Operator
In	08/03/2009 11:55:16	Scale1	FRANCIS
Out	08/03/2009 11:55:16		FRANCIS

Inbound

Volume	
Gross	85540 lb
Tare	27600 lb
Net	58940 lb
Tons	29.47

Comments

OPEN MONDAY - FRIDAY 6:00 am to 2:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	29.47	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf6-Env Fee $0 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	29.47	Tons				SHE

Total Tax
Total Ticket

10001196

10001197

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

CWM

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

3 Generator's Name and Mailing Address

MEMPHIS DEFENSE DEPOT
1716 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone 210 622 6218

A. Manifest Number **WMNA** 1266[illegible]36

B. State Generator's ID TNHW053

5. Transporter 1 Company Name Shelton Trucking JR

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7 Transporter 2 Company Name

8 US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9 Designated Facility Name and Site Address

THE TUNICA LANDFILL
6955 BOMBAY ROAD
[illegible]

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURNED DEBRIS WM Profile # [illegible]					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 360210 Tons - 25.19

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
J. R. Sasser				

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Darby Knight				

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]			

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2296

Original
Ticket# 380210

Customer Name HEP4C085 HEPACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10E50636
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# JKI Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/03/2009 11:34:07	Scale1	FRANCIS		Gross	81920 lb
Out	06/03/2009 11:34:09		FRANCIS		Tare	31540 lb
					Net	50380 lb
					Tons	25.19

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	25.19	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	EvfB-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	25.19	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001198

10001199

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN0210023575 — Manifest Document No.

2 Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1796 DEPOT AVENUE
MEMPHIS TN 38114

4. Generator's Phone 901-775-6745

A Manifest Number WMNA 10633637

B State Generator's ID TN0210023575

5. Transporter 1 Company Name — 6 US EPA ID Number — C State Transporter's ID — D Transporter's Phone

7 Transporter 2 Company Name — 8 US EPA ID Number — E. State Transporter's ID — F. Transporter's Phone

9. Designated Facility Name and Site Address — 10 US EPA ID Number — G State Facility's ID — H Facility's Phone

THE TUNICA LANDFILL
6099 BOMBRE ROAD

11. Description of Waste Materials

	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol	I. Misc. Comments
a. BURIED DRUMS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ____ Solidification ____

Bio Remediation ____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # Ticket # 300207 EMERGENCY CONTACT: Tonis - 29.20

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John R Spear		10	6	11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
John Dolan STCG	John Dolan	10	6	11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Tommy Pope	Tommy Pope	10	13	11

CWM - NHM 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6835 Dowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 6252

Original
Ticket# 360207

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660637
Destination
PO 500:258
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STROYHORN TRUCKING
Vehicle# STCE
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/03/2009 11:27:48	Scale1	FRANCIS		Gross	88180 lb
Out	06/03/2009 11:27:48		FRANCIS		Tare	29780 lb
					Net	58400 lb
					Tons	29.20

Comments

OPEN MONDAY - FRIDAY 6:00 am to 2:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LB%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	29.20	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee #8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	29.20	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001200

10001201

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. 7 0 4 2 1 0 1 7 5 7 0 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1706 IRENE AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A. Manifest Number **WMNA** 1300[illegible]38

B. State Generator's ID

5. Transporter 1 Company Name — 6. US EPA ID Number — C. State Transporter's ID — D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number — E. State Transporter's ID — F. Transporter's Phone

9. Designated Facility Name and Site Address
TNR TUNICA LANDFILL
6005 BOWDRE ROAD

10. US EPA ID Number — G. State Facility's ID — H. Facility's Phone

11. Description of Waste Materials	12. Containers No	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile #			1		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # Ticket # 300203 Tons 26.72 EMERGENCY CONTACT

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name — Signature "On behalf of" — Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 360203

Customer Name HERCODE HERCO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660634
Destination
PO 5001263
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# STC2
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/03/2009 11:19:20	Scale1	FRANCIS		Gross	83940 lb
Out	06/03/2009 11:19:30		FRANCIS		Tare	30500 lb
					Net	53440 lb
					Tons	26.72

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LD#	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	26.72	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	26.72	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001202

10001203

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No: NJ 2 1 0 0 7 0 5 7 0 | Manifest Document No:

2 Page 1 of

3 Generator's Name and Mailing Address

[illegible] DEFENSE DEPOT
1716 DOMINGUEZ
[illegible] CA 90744

4. Generator's Phone [illegible]

A. Manifest Number: **WMNA** 10663539

B. State Generator's ID: TWN053

5. Transporter 1 Company Name: Shelby Trucking Co

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9 Designated Facility Name and Site Address

THE TUNICA LANDFILL
6555 BOWDRE ROAD

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile # [illegible]					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K Disposal Location

Cell 4 Level 3201 99

Grid 4K 37

15. Special Handling Instructions and Additional Information

TONS 23.69

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John R Sharp	[signature]	0	6	13

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Darrell Crudup	[signature]	0	6	13

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]			

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 360139

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660537
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 501
Container
Driver
Check#
Billing # 00000685
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/03/2009 11:03:39	Scale1	FRANCIS		Gross	80500 lb
Out	06/03/2009 11:03:35		FRANCIS		Tare	33120 lb
					Net	47380 lb
					Tons	23.69

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 am

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	23.69	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf6-Env Fee $6 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	23.69	Tons				SHE

Total Tax
Total Ticket

Driver's Signature Darrell Sanders

403WM

10001204

10001205

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12 pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN2210020715 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1718 CUMMINS AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A. Manifest Number **WMNA**

B. State Generator's ID

5. Transporter 1 Company Name — 6. US EPA ID Number — C. State Transporter's ID — D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number — E. State Transporter's ID — F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
0035 BONDURE ROAD

10. US EPA ID Number — G. State Facility's ID — H. Facility's Phone

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURNED DRUMS WM Profile #			2 YDS		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill ____ Solidification ____
Bio Remediation ____

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
Ref # 300192

Purchase Order # EMERGENCY CONTACT. Tom 223-59

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John P. Sweet		10	31	96

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Kevin Cooper		10	31	96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Evans Boyd		11	05	96

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2582

Original
Ticket# 360192

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660640
Destination
PO 5001262
Profile 100703MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 53
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/03/2009 10:45:48	Scale1	FRANCIS		Gross	81080 lb
Out	06/03/2009 10:45:48		FRANCIS		Tare	33900 lb
					Net	47180 lb
					Tons	23.59

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Special Misc-Tons-	100	23.59	Tons				SHE
2 FUEL-Fuel Surcharg	100		%				SHE
3 Evf8-Env Fee $8 Lg	100	1	Load				SHE
4 TRT-TRANSPORTATION	100	23.59	Tons				SHE

Total Tax
Total Ticket

Driver's Signature Kevin Hagopy 53

403WM

10001206

10001207

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

[illegible] DEFENSE DEPOT
[illegible] AVENUE
[illegible]

4. Generator's Phone

A. Manifest Number **WMNA** 10600041

B. State Generator's ID

5. Transporter 1 Company Name

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

THE TUNICA LANDFILL
6096 BOMBORE ROAD

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT

16. GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 3866^
Ph: 662 363 2282

Original
Ticket# 360167

Customer Name HEPACOSS HEPACO INC_SS
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 100660641
Destination
PO 5001259
Profile 100703MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 52
Container
Driver^
Check#
Billing # 0000035
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/03/2009 10:32:20	Scale1	FRANCIS		Gross	76480 lb
Out	06/03/2009 10:32:20		FRANCIS		Tare	32180 lb
					Net	44300 lb
					Tons	22.15

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons	100	22.15	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	22.15	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001208

10001209

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

MEMPHIS DEFENSE DEPOT
1776 DIRMAN AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A. Manifest Number **WMNA** 2663642

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number | C. State Transporter's ID | D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number | G. State Facility's ID | H. Facility's Phone

THE TUNICA LANDFILL
6630 BOWDRE ROAD

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ____ Solidification ____

Bio Remediation ____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket #360183 Tons 24.98

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
		8	3	

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year
		8	3	

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS. 38664
Ph: 662 363 2202

Original
Ticket# 360103

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10C6806+2
Destination
PO 50013258
Profile 100709MS (BURNED DRUMS)
Generator 161-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# PT3
Container
Driver
Check#
Billing # 00050085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/03/2009 10:14:25	Scale1	FRANCIS		Gross	82580 lb
Out	06/03/2009 10:14:25		FRANCIS		Tare	33620 lb
					Net	48960 lb
					Tons	24.48

Comments

OPEN MONDAY - FRIDAY 6:00 am to 5:30 pm & SATURDAY 6:00 am to 11:30 pm

	Product	LUX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	24.98	Tons				SHE
2	FUEL-Fuel Surcharg	.00		%				SHE
3	EvF8-Env Fee 28 Lg	100	.	Load				SHE
4	TRT-TRANSPORTATION	100	24.98	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

402WM

10001210

10001211

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No. TNR121070610 | Manifest Document No. | 2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1710 DUNN AVENUE
MEMPHIS TN 38114
4. Generator's Phone

A. Manifest Number WMNA 10660643
B. State Generator's ID TNHW 057
C. State Transporter's ID
D. Transporter's Phone
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone

5. Transporter 1 Company Name Perry Trucking 907 | 6. US EPA ID Number

7. Transporter 2 Company Name | 8. US EPA ID Number

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6605 ROMORE ROAD
HWY 304 SOUTH

10. US EPA ID Number

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol	I. Misc. Comments
a. BURIED DRUMS WM Profile # 1002000WM			1.M		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above
Landfill ____ Solidification ____
Bio Remediation ____

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information
TOTAL 360.81
TIC P2
Purchase Order # EMERGENCY CONTACT: TOM 56.60

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: D. R. Sears | Signature "On behalf of" | Month Day Year: 1 6 1 9

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Ray Shorter | Signature | Month Day Year: 1 6 1 9 1 9

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest
Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1\ 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 6282

Original
Ticket# 360181

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10560643
Destination
PO 5001263
Profile 100709MS (BURNED DRUMS)
Generator 1S1-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# P2
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/03/2009 10:06:45	Scale1	FRANCIS		Gross	86360 lb
Out	06/03/2009 10:26:03		FRANCIS		Tare	33160 lb
					Net	53200 lb
					Tons	26.60

Comments

OPEN MONDAY - FRIDAY 5:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	26.60	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf3-Env Fee $3 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	26.60	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

402WM

10001212

10001213

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter)*

CWM

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of 4

3. Generator's Name and Mailing Address

MEMPHIS DEFENSE DEPOT
1710 DUNN AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A. Manifest Number: WMNA 1385784

B. State Generator's ID: TN4210855

5. Transporter 1 Company Name: Ross Trucking

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

THE TUNICA LANDFILL
6360 BOWDRE ROAD

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone

11. Description of Waste Materials

	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile #					
b. WM Profile #					
c. WM Profile #					
d WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

TX # 3601 19
TK RT04
TONS 2845

Purchase Order # EMERGENCY CONTACT

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
		10	05	10

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
C.D. Whitehurst RT04		10	05	10

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Ronnie Ray		10	05	10

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
9035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 8282

Original
Ticket# 360179

Customer Name HEPACOSS HEPACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660644
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT04
Container
Driver
Check#
Billing # 2000085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/03/2009 09:52:41	Scale1	FRANCIS		Gross	87620 lb
Out	06/03/2009 09:53:41		FRANCIS		Tare	28720 lb
					Net	58900 lb
					Tons	29.45

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	29.45	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf6-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	29.45	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001214

10001215

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNR 000 702 510 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
MEMPHIS DEFENSE DEPOT
1716 SPRUCE AVENUE
MEMPHIS TN 38114

4. Generator's Phone

A. Manifest Number **WMNA** 10693645

B. State Generator's ID

5. Transporter 1 Company Name — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6035 SEARIGHT ROAD

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. BURIED DRUMS WM Profile #			20 YDS		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill — Solidification

Bio Remediation

K. Disposal Location

Cell — Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # — EMERGENCY CONTACT:

16 GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
		06	12	01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		6		

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
		06	12	01

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2280

Original
Ticket# 380176

Customer Name HEPACOBS HEPACO INC_BS
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10680645
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT: Volume
Container
Driver
Check#
Billing # 0000065
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/03/2009 09:46:02	Scale1	FRANCIS		Gross	85520 lb
Out	06/03/2009 09:46:02		FRANCIS		Tare	27600 lb
					Net	57920 lb
					Tons	28.96

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LDF	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	28.96	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	28.96	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001216

10001217

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type *(Form designed for use on elite (12-pitch) typewriter.)*

CWM

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

4 Generator's Phone

A. Manifest Number **WMNA**

B. State Generator's ID

5. Transporter 1 Company Name | 6. US EPA ID Number | C. State Transporter's ID | D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9 Designated Facility Name and Site Address | 10 US EPA ID Number | G. State Facility's ID | H. Facility's Phone

THE TUNICA LANDFILL
6035 DOMORE ROAD

11. Description of Waste Materials

	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a.					
WM Profile #					
b.					
WM Profile #					
c.					
WM Profile #					
d.					
WM Profile #					

GENERATOR

J Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K Disposal Location

Cell Level

Grid

15 Special Handling Instructions and Additional Information

Ticket # 360172 Tons 29.48

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name | Signature "On behalf of" | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator. Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name | Signature | Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 360172

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10660646
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 1R1-MEMPHI-DEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# STCS
Container
Driver
Check#
Billing # 00000795
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/03/2009 09:24:12	Scale1	FRANCIS		Gross	88740 lb
Out	06/03/2009 09:24:12		FRANCIS		Tare	29780 lb
					Net	58960 lb
					Tons	29.48

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons	100	29.48	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	29.48	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001218

10001219

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNR000073670 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address: MEMPHIS DEFENSE DEPT, 1710 DUNN AVE, MEMPHIS, TN. 38114

4. Generator's Phone: (717) 770.6950

A. Manifest Number: **WMNA** 1773570

B. State Generator's ID: TNR 053

5. Transporter 1 Company Name — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: TUNICA LANDFILL, 6035 BADDRE RD, ROBINSONVILLE, MS 38664 — 10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone: (662) 363.2282

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON REGULATED CONTAMINATED SOIL WM Profile # 1000709MS			20 yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

TIGHT 3600 (PO#3 4K TONS 24.07)

Purchase Order # EMERGENCY CONTACT

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: John B. Spencer — Signature "On behalf of" — Month 01 Day 12 Year 13

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 360267

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10731670
Destination
PO 5001268
Profile 10709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT02 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/03/2009 14:50:19	Scale1	FRANCIS		Gross	79620 lb
Out	06/03/2009 15:25:46	Scale1	FRANCIS		Tare	31480 lb
					Net	48140 lb
					Tons	24.07

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	24.07	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
2	Evf0-Env Fee $0 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	24.07	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

02210011

10001221

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNR 000 072 579 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address: MEMPHIS DEFENSE DEPOT, 198 DUNN AVE, MEMPHIS, TN 38114

4. Generator's Phone: (717) 770-6456

A. Manifest Number: **WMNA** 10731671

B. State Generator's ID: TNR000053

5. Transporter 1 Company Name — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: [illegible] LANDFILL, 6656 ROUTE 51 S, MILLINGTON, TN 38053 — 10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone: (662) 363-2951

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-REGULATED CONTAMINATED SOIL WM Profile # 103701MS			24		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT [illegible] 800-592-[illegible] 24 hrs.

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: John R. Stevens — Signature "On behalf of" — Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator. Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6033 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 360250

Customer Name HERC0085 HERCO INC_SE
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10731671
Destination
PO 5021268
Profile 100709MS (BURNED DRUMS)
Generator 1C1-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# JK1 Volume
Container
Driver
Check#
Billing # 0000035
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/03/2009 14:08:30	Scale1	FRANCIS		Gross	84040 lb
Out	06/03/2009 14:08:50		FRANCIS		Tare	31540 lb
					Net	52500 lb
					Tons	26.25

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LOV	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Ions-	100	26.25	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee <8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	26.25	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001222

10001223

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN8210017570 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address MEMPHIS DEFENSE DEPOT

4. Generator's Phone (917) 774-6450

A. Manifest Number **WMNA** 1773672

B. State Generator's ID TN0053

5. Transporter 1 Company Name ROSS TRUCKING — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address — 10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. WM Profile # 100794AS			1 YM		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

FCFN 300248
PK. RT04

Purchase Order # EMERGENCY CONTACT: TONY 320-12

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John R. [illegible]	[signature]	06	03	01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
CP Whitehurst #2 RT04	[signature]	06	03	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	06	03	09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
5025 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2292

Original
Ticket# 360248

Customer Name HERACO85 HERACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10731672
Destination
PO 5001358
Profile 100709NS (BURNED DRUMS)
Generator 151-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRYHORN TRUCKING
Vehicle# RT04 Volume
Container
Driver
Check #
Billing # 0000055
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/03/2009 14:02:57	Scale1	FRANCIS		Gross	89100 lb
Out	06/03/2009 14:02:57		FRANCIS		Tare	28720 lb
					Net	60380 lb
					Tons	30.19

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	Loc	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	30.19	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf0-Env Fee #6 Lg	100	1	Load				SHE
4	TPT-TRANSPORTATION	100	30.19	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001224

10001225

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No. TN4210017057 0 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address MEMPHIS DEFENSE DEPOT 7174 DAVIS AVE. TN. 38114

4. Generator's Phone (717) 770-6450

A Manifest Number **WMNA 10731673**

B. State Generator's ID TNHAI053

5. Transporter 1 Company Name Shirley Trucking S. I — 6. US EPA ID Number

C State Transporter's ID

D Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F Transporter's Phone

9 Designated Facility Name and Site Address TWO [illegible] — 10 US EPA ID Number

G State Facility's ID

H Facility's Phone (615) 363-2262

11 Description of Waste Materials	12 Containers No.	12 Containers Type	13 Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a Non-hazardous [illegible] WM Profile # [illegible]			47.40		
b WM Profile #					
c. WM Profile #					
d WM Profile #					

J Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 360234 Tons 23.90

Purchase Order # EMERGENCY CONTACT

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John B. Spear	[signature]	06	13	19

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Darrell Sanders	[signature]	06	13	19

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	06	13	19

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, Ms, 38664
Ph: 662 363 8282

Original
Ticket# 360834

Customer Name HERACO85 HERACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 19711673
Destination
PO 5001250
Profile 100709NS (BURNED DRUMS)
Generator 151-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 501 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/03/2009 13:02:33	Scale1	FRANCIS		Gross	80920 lb
Out	06/03/2009 13:02:33		FRANCIS		Tare	33120 lb
					Net	47800 lb
					Tons	23.90

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	23.90	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Svf8-Env Fee $8 Lg	100	1	Load				SHE
4	FRT-TRANSPORTATION	100	23.90	Tons				SHE

Total Tax
Total Ticket

Driver's Signature Darrell Sanders

403WM

10001226

10001227

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No: TNH210010170 — Manifest Document No.

2. Page 1 of

3 Generator's Name and Mailing Address: Memphis Defense Depot, 3691 Dillon Ave., Memphis, TN 38114

4. Generator's Phone: (717) 770-6450

A Manifest Number: WMNA 17731678

B. State Generator's ID: TN HW 053

5. Transporter 1 Company Name: [illegible] — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7 Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: Tunica Environ, 6635 Hwy 61 North, Robinsonville, MS 38664 — 10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone: (662) 363-2202

GENERATOR

11. Description of Waste Materials	12. Containers No	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. WM Profile #			24 YD		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid: 20355

15. Special Handling Instructions and Additional Information

TK 52

Purchase Order # EMERGENCY CONTACT: TONY 234-3

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: John R. Spree — Signature "On behalf of" — Month Day Year: 10 16 97

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Louis Shipley — Signature — Month Day Year: 10 16 97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: [illegible] — Signature — Month Day Year: 10 23 97

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS. 38664
Ph: 662 363 2246

Original
Ticket# 360265

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10731574
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 82
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/03/2009 14:44:43	Scale1	FRANCIS		Gross	79040 lb
Out	06/03/2009 14:44:43		FRANCIS		Tare	32190 lb
					Net	46860 lb
					Tons	23.43

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 am

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	23.43	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	EvfB-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	23.43	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001228

10001229

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No: TN4210070570 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address: Memphis Defense Depot, 17 Brown Ave, Memphis TN 38101

4. Generator's Phone: (717) 770-6456

A. Manifest Number: **WMNA** 10731675

B. State Generator's ID: TNHW053

5. Transporter 1 Company Name: Bradley Environ... 52

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: Pinal Landfill, 6005 Roosevelt Rd., Eloy, AZ 85131

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone: (520) 363-3100

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-REGULATED CONTAMINATED SOIL WM Profile # 100101 MA			7	C	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 360224 Tons 21.07

Purchase Order # EMERGENCY CONTACT:

16 GENERATOR'S CERTIFICATION.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John B Spencer		06	15	07

TRANSPORTER

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Larry Thomas		06	15	07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year
Tammy Poe				07

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#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6003 Bowers Rd
Robinsonville, MS 38664
Ph: 662 363 2252

Original
Ticket# 360226

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10751675
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 56
Container
Driver
Check#
Billing # 0003035
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/03/2009 12:26:51	Scale1	FRANCIS		Gross	75520 lb
Out	06/03/2009 12:20:51		FRANCIS		Tare	32180 lb
					Net	43340 lb
					Tons	21.67

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LDX	Qty	UOM	Rate	Tax	Account	Origin
1	Special Misc-Tons-	100	21.67	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee #8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	21.67	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001230

10001231

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNH1100172510 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone (717) 770-0450

A. Manifest Number **WMNA 10731677**

B. State Generator's ID TNH1053

5. Transporter 1 Company Name — 6. US EPA ID Number — C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number — E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address — 10. US EPA ID Number — G. State Facility's ID

H. Facility's Phone (865) 363-7442

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. Non-Regulated Contaminated Soil WM Profile # 1007011 NHS					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill — Solidification —

Bio Remediation —

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 360243 — Tons - 32.79

Purchase Order # EMERGENCY CONTACT:

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name — Signature "On behalf of" — Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM NHM - 1 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 1284

Original
Ticket# 360243

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10731677
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# STC2
Container
Driver
Check#
Billing # 0300085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/03/2009 13:45:31	Scale1	FRANCIS		Gross	96080 lb
Out	06/03/2009 13:45:31		FRANCIS		Tare	30500 lb
					Net	65580 lb
					Tons	32.79

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	32.79	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	32.79	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

100012322

10001233

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNK121202705 — Manifest Document No.

2 Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone

A Manifest Number **WMNA** 1173678

B State Generator's ID TN#10553

5 Transporter 1 Company Name — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7 Transporter 2 Company Name — 8. US EPA ID Number

E State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address — 10. US EPA ID Number

G State Facility's ID

H Facility's Phone (606) 363-2...

11 Description of Waste Materials	12 Containers No.	Type	13 Total Quantity	14 Unit Wt./Vol.	I. Misc. Comments
a. Non Regulated Landfill Waste WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT:

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
		06	15	11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		06	18	12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator. Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year
		06	20	12

CWM - NRM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
5035 Bowers Rd
Robinsonville, Ms, 38664
Phn 662 363 2292

Original
Ticket# 360244

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10731676
Destination
PO 5001268
Profile 100703MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RTI Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/03/2009 13:49:12	Scale1	FRANCIS		Gross	80960 lb
Out	06/03/2009 13:49:12		FRANCIS		Tare	27600 lb
					Net	53260 lb
					Tons	26.63

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Ton.-	100	26.63	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	EvfS-Env Fee $2 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	26.63	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

100012345

10001235

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNR 000 070 519 — Manifest Document No. — 2. Page 1 of

3. Generator's Name and Mailing Address MEMPHIS DEFENSE DEPOT

4. Generator's Phone (717) 770-6450

A. Manifest Number **WMNA 10731679**

B. State Generator's ID TNR 053

5. Transporter 1 Company Name Kimble Hauling Inc — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address — 10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. Non Regulated Waste Rubble WM Profile # [illegible]			22 YM		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid [illegible] 2 [illegible]

15. Special Handling Instructions and Additional Information

T/C P 2

TONS 22.55

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John B Spears	[signature]	06	05	19

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Tim Strickler	[signature]	06	05	19

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Randy Boyd	[signature]	06	05	19

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowers Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 360257

Customer Name HEPACO85 HEPACO INC_55
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10731679
Destination
PO 5001668
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# P2 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/03/2009 14:23:44	Scale1	FRANCIS		Gross	80960 lb
Out	06/03/2009 14:23:44		FRANCIS		Tare	33160 lb
					Net	47800 lb
					Tons	23.90

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

Product		LDs	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	23.90	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	23.90	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001236

10001237

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No: TN4210107057 0 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address: MEMPHIS DEFENSE DEPOT, 1700 DUNN AVE, MEMPHIS TN 38114

4. Generator's Phone: (717) 770-6450

A. Manifest Number: **WMNA** 1731380

B. State Generator's ID: TNHJ053

5. Transporter 1 Company Name: Stephens Trucking — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: TUNICA LANDFILL, 6255 EAGLETOWN RD, RUBEN, MS 38667 — 10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone: (662) 363-4080

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON REGULATED CONTAMINATED SOIL WM Profile # 1307[illegible]			LP		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

PO# 2000[illegible]
TP Stock
EMERGENCY CONTACT. Tom 913-2

Purchase Order #

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John K Stone		08	13	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Kay Moss	Kay Moss	08	13	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Tommy Sorrell	Tommy Sorrell	08	13	09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 360254

Customer Name HEPACOBS HEPACO INC_BS
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10731630
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEPENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# STC1
Container
Driver
Check#
Billing # 00000093
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/03/2009 14:18:48	Scale1	FRANCIS		Gross	75160 lb
Out	06/03/2009 14:16:48		FRANCIS		Tare	32720 lb
					Net	42440 lb
					Tons	21.22

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:00 am to 11:30 pm

	Product	LDK	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	21.22	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee 98 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	21.22	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001238

10001239

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12 pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No: TNR000020545 — Manifest Document No:

2 Page 1 of

3. Generator's Name and Mailing Address: MEMPHIS DEFENSE DEPOT 1765 PIGEON AVE [illegible] TN 38114 (317) 772-2150

4. Generator's Phone

A. Manifest Number: **WMNA 10731681**

B. State Generator's ID: TN 4005 3

5. Transporter 1 Company Name: Perry Trucking (PO)

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: TONEY LANDFILL [illegible]

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone

GENERATOR

11. Description of Waste Materials	12. Containers No	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON-REGULATED SOLID WASTE WM Profile # [illegible]					
b. WM Profile #			40 Y	S	
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K Disposal Location

Cell Level

Grid [illegible]

15. Special Handling Instructions and Additional Information

k P5

Purchase Order # EMERGENCY CONTACT. TONY 22 47

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: John B. Sweeney — Signature "On behalf of" — Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name [illegible] — Signature — Month Day Year 06 10 97

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name [illegible] — Signature — Month Day Year

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#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6025 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 362 2282

Original
Ticket# 360255

Customer Name HEPACO65 HEPACO INC_35
Ticket Date 05/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10731581
Destination
PO 5001268
Profile 100703MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# PT3 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	05/03/2009 14:30:16	Scale1	FRANCIS		Gross	77560 lb
Out	05/03/2009 14:30:16		FRANCIS		Tare	32620 lb
					Net	44940 lb
					Tons	22.47

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LOC	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	22.47	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	22.47	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001240

10001241

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No: TNH121010705170 — Manifest Document No.

2. Page 1 of

A. Manifest Number: **WMNA** 1773976

B. State Generator's ID: TN HW 0253

C. State Transporter's ID

D. Transporter's Phone

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone: (662) 363-2288

3. Generator's Name and Mailing Address: [illegible] DEFENSE DEPOT [illegible]

4. Generator's Phone: (731) 772-6450

5. Transporter 1 Company Name: Shirley 53 — 6. US EPA ID Number

7. Transporter 2 Company Name — 8. US EPA ID Number

9. Designated Facility Name and Site Address: TUNICA LANDFILL, 6185 HOWARD RD, PORTA HEDGE MS 38668 — 10. US EPA ID Number

11. Description of Waste Materials

	12 Containers No.	Type	13 Total Quantity	14 Unit Wt /Vol	I Misc. Comments
a. WM- Regulated Contaminated Soil — WM Profile # 100769 MS.			1		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill ____ Solidification ____

Bio Remediation ____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 340231 Tons 21.44

Purchase Order # EMERGENCY CONTACT.

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Jay R. Sowell		6	12	[illegible]

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Kevin Gregory	Kevin Gregory	06	13	07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Thomas K. Reed	[illegible]	6	13	07

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#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 3282

Original
Ticket# 360231

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10733676
Destination
PO 3001268
Profile 100705MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 52 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/03/2009 12:46:24	Scale1	FRANCIS		Gross	75060 lb
Out	06/03/2009 12:46:24		FRANCIS		Tare	32180 lb
					Net	42880 lb
					Tons	21.44

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	21.44	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $6 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	21.44	Tons				SHE

Total Tax
Total Ticket

Kevin Gregory 53

Driver's Signature

403WM

10001242

10001243

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CWM

Please print or type. *(Form designed for use on elite (12 pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN 2 1 0 0 7 0 5 3 0 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address: Memphis Drainage Dept. 1716 Dunn Ave Memphis TN 38114

A. Manifest Number: WMNA 2336566

4. Generator's Phone: (901) 770-6950

B. State Generator's ID: TNHW053

5. Transporter 1 Company Name: Kinley 53

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: THE TUNICA LANDFILL 6035 BOWDRE ROAD ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone: 662 363-2282

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. Non Regulated Contaminated Soil WM Profile # 103109 MS			22.67		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell _____ Level _____

Grid 41 3023

15. Special Handling Instructions and Additional Information

Purchase Order # _____ EMERGENCY CONTACT: _____

TON > 22.67

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: T. R. Sparks — Signature "On behalf of" — Month 06 Day 03 Year 07

TRANSPORTER

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Kevin Gregory — Signature: Kevin Gregory — Month 06 Day 03 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator. Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: Randy Sorey — Signature — Month 06 Day 03 Year 07

CWM NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS 38664
Ph: 662 363 2282

Original
Ticket# 360262

Customer Name HEPACO35 HEPACO INC_35
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10968566
Destination
PO 5001858
Profile 100709MS (BURNED DRUMS)
Generator 161-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 53
Container
Driver
Check#
Billing # 0000065
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/03/2009 14:57:44	Scale1	FRANCIS		Gross	79240 lb
Out	06/03/2009 14:57:44		FRANCIS		Tare	33900 lb
					Net	45340 lb
					Tons	22.67

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LDx	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	22.67	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	EvFA-Env Fee $0 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	22.67	Tons				SHE

Total Tax
Total Ticket

Driver's Signature Kevin Gregory 53

403WM

10001244

10001245

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CWM

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN 4 2 1 1 0 0 7 0 5 7 0 1 — Manifest Document No.

2 Page 1 of

3 Generator's Name and Mailing Address: Memphis Deluxe Depot, 1716 Ron Ave, Memphis, TN 38114

4. Generator's Phone: (717) 770.6956

A. Manifest Number: **WMNA** 10966567

B. State Generator's ID: TNM0053

5. Transporter 1 Company Name: Shirley Trucking S-1

6. US EPA ID Number

C. State Transporter's ID

D Transporter's Phone

7. Transporter 2 Company Name

8 US EPA ID Number

E. State Transporter's ID

F Transporter's Phone

9. Designated Facility Name and Site Address: THE TUNICA LANDFILL, 6035 BOWDRE ROAD, ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H Facility's Phone: 662 363-2282

11 Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. Bundled Drums WM Profile # 1007709 MS			20 yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K Disposal Location

Cell Level

Grid

15 Special Handling Instructions and Additional Information

1 RT N 3602-70

Purchase Order #

EMERGENCY CONTACT: TOM 10 18

16 GENERATOR'S CERTIFICATION.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John B. Sperry		0	6	0 7

TRANSPORTER

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Darrell Sanders	Darrell Sanders	0 4	0 3	9 9

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Francis Boyd				

CWM NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 6282

Original
Ticket# 360270

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10564567
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHENSTRUCKIN STRAYHORN TRUCKING
Vehicle# 501 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/03/2009 15:02:04	Scale1	FRANCIS		Gross	72880 lb
Out	06/03/2009 15:02:04		FRANCIS		Tare	33120 lb
					Net	39760 lb
					Tons	19.88

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	19.88	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	19.88	Tons				SHE

Total Tax
Total Ticket

Driver's Signature David Sanders

403WM

100012468

10001247

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CV04I

Please print or type (Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No. TNH210017517 0 | Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone

A Manifest Number WMNA 2136568

B State Generator's ID TNH0053

5. Transporter 1 Company Name | 6. US EPA ID Number

C State Transporter's ID

D. Transporter's Phone

7 Transporter 2 Company Name | 8. US EPA ID Number

E State Transporter's ID

F Transporter's Phone

9. Designated Facility Name and Site Address | 10. US EPA ID Number

THE TUNICA LANDFILL
6035 BOWDRE ROAD
ROBINSONVILLE MS 38664

G State Facility's ID

H Facility's Phone 662 363-2282

GENERATOR

11. Description of Waste Materials	12 Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John R. Sorey		10	15	19

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Ann Downes		10	15	19

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 360276

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 12966352
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 15)-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MPTTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# STC1
Container
Driver
Check#
Billing # 0000065
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/03/2009 16:03:11	Scale1	FRANCIS		Gross	94440 lb
Out	06/03/2009 16:03:11		FRANCIS		Tare	32720 lb
					Net	61720 lb
					Tons	30.86

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	30.86	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee 38 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	30.86	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001248

10001249

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CWM

Please print or type *(Form designed for use on elite (12 pitch) typewriter)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNHD102705712 Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone

A. Manifest Number **WMNA** 3336576

B. State Generator's ID TNHW053

5. Transporter 1 Company Name

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6035 BOMDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2282

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Tom R. Sawyer		10	13	19

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year
		10	17	19

GENERATOR | TRANSPORTER | FACILITY

CWM - NHM 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6025 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 350273

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10966576
Destination
PO 5001258
Profile 100709MS (BURNED DRUMS)
Generator 18:-MEMPHISDE-DNSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RM16 Volume
Container
Driver
Check#
Billing # v0000085
Gen. EPA ID

	Time	Scale	Operator	Inbound	Gross	82300 lb
In	06/03/2009 15:48:16	Scale1	FRANCIS		Tare	32160 lb
Out	06/03/2009 16:07:43	Scale1	FRANCIS		Net	50140 lb
					Tons	25.07

Converts

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LDA	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	00	25.07	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evr8-Env Fee $8 Lg	100	1	Load				SHE
4	TRI-TRANSPORTATION	100	25.07	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001251

10001251

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CWMI

Please print or type (Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNKI0170515710 — Manifest Document No.

2 Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone (717) 764-6576

A Manifest Number **WMNA** 10066569

B State Generator's ID TNKJ053

5. Transporter 1 Company Name Stoughton Trucking

6. US EPA ID Number

C. State Transporter's ID

D Transporter's Phone

7. Transporter 2 Company Name

8 US EPA ID Number

E State Transporter's ID

F Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
8335 BOWDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H Facility's Phone 662 363-2282

GENERATOR

11. Description of Waste Materials	12. Containers No	Type	13. Total Quantity	14. Unit Wt./Vol	I. Misc Comments
a. Ky Ltr Plants WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name John K Sowers — Signature "On behalf of" — Month 06 Day 03 Year 19

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name — Signature — Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS. 38664
Ph: 662 363 2262

Original
Ticket# 360277

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10966569
Destination
PO 5001Eo6
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWS TRUCKIN STRAYHORN TRUCKING
Vehicle# JK3 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/03/2009 16:15:25	Scale1	FRANCIS		Gross	77680 lb
Out	06/03/2009 16:15:29		FRANCIS		Tare	31540 lb
					Net	46140 lb
					Tons	23.07

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons	100	23.07	Tons				SHE
2	FUEL-Fuel Surcharg	100		"				SHE
3	EPTS-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	22.07	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001252

10001253

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CWM

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNM412101070 Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone

A. Manifest Number **WMNA** 2363570

B. State Generator's ID TNM1053

5. Transporter 1 Company Name KIRK TRUCKING INC 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6035 BOWDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2262

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. WM Profile #			24		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT

16. GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name [illegible] Signature "On behalf of" Month 10 Day 13 Year 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name [illegible] Signature Month 10 Day 13 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name Signature Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name [illegible] Signature Month 10 Day 13 Year 04

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 360270

Customer Name HERACO85 HERACO INC_85
Ticket Date 06/03/2003
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 1090573
Destination
PO 5001868
Profile 100703MS (BURNED DRUMS)
Generator 131-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 62 Volume
Container
Driver
Check#
Billing # 0003085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/03/2003 16:20:14	Scale1	FRANCIS		Gross	78000 lb
Out	06/03/2003 16:20:14		FRANCIS		Tare	33160 lb
					Net	44840 lb
					Tons	22.42

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 5:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	22.42	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	EvfS-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	22.42	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001254

10001255

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CWM

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNR 1 0 0 7 0 5 7 0 1 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone

A. Manifest Number **WMNA 10966571**

B. State Generator's ID TNW053

5. Transporter 1 Company Name — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6036 BOWDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2282

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. WM Profile #			20 YDS		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT.

16. GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Edna B. Sweezy		0 6	1 3	0 7

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	0 6	1 3	0 7

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
[illegible] Simmons	[illegible]	0 6	1 3	0 7

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 360674

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/02/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10966571
Destination
PO 5001260
Profile 100709MS (BURNED DRUMS)
Generator 191-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT1 Volume
Container
Driver
Check#
Billing # 0000065
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/03/2009 15:50:52	Scale1	FRANCIS		Gross	77450 lb
Out	06/03/2009 15:50:52		FRANCIS		Tare	27600 lb
					Net	49860 lb
					Tons	24.93

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	24.92	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	ENV8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	24.92	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001256

10001257

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CWM

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TN412100752710 — Manifest Document No.

2 Page 1 of

3 Generator's Name and Mailing Address

4 Generator's Phone

A. Manifest Number **WMNA** 1 3336572

B. State Generator's ID TNH053

5. Transporter 1 Company Name: ROSS TRUCKING — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6035 BOWDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2282

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. WM Profile #			20 YDS		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John R Sanders		06	03	09

TRANSPORTER

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
AD Whitehurst JR RTOY		06	03	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Ron Summers		06	03	09

CWM - NHM 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowers Rd
Robinsonville, MS. 38664
Ph: 662 363 2332

Original
Ticket# 360275

Customer Name HEP40085 HEPACO INC_95
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 009666572
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATT/EWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT04 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/03/2009 15:57:56	Scale1	FRANCIS		Gross	92100 lb
Out	06/03/2009 15:57:56		FRANCIS		Tare	28720 lb
					Net	63380 lb
					Tons	31.69

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LDF	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	31.69	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	31.69	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

402WM

10001258

10001259

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CWM

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNKD0070515P — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone

A. Manifest Number **WMNA** 10066573

B. State Generator's ID TN4013

5. Transporter 1 Company Name: Perry Trucking POB

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6035 BOWDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2202

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT:

16. GENERATOR'S CERTIFICATION.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Lisa B. Spencer		10	5	19

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Daniel Perry		10	9	19

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS. 38664
Ph: 662 363 2282

Original
Ticket# 360879

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10966573
Destination
PO 5001269
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 872 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/03/2009 16:27:26	Scale1	FRANCIS		Gross	80760 lb
Out	06/03/2009 16:27:55		FRANCIS		Tare	32620 lb
					Net	48140 lb
					Tons	24.07

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	24.07	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf6-Env Fee $6 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	24.07	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001260

10001261

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CWM

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No: TNR 000 705 151 — Manifest Document No.

2 Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone

A. Manifest Number: **WMNA** 13566574

B. State Generator's ID: TNR053

5. Transporter 1 Company Name — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address — 10. US EPA ID Number

THE TUNICA LANDFILL
6035 BOWDRE ROAD
ROBINSONVILLE MS 38664

G. State Facility's ID

H. Facility's Phone: 662 363-2282

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT.

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name — Signature "On behalf of" — Month Day Year: 06 05 04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year: 06 12 04

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name — Signature — Month Day Year: 06 17 04

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 8282

Original
Ticket# 360272

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/03/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10956574
Destination
PO 5001258
Profile 100703MS (BURNED DRUMS)
Generator 191-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# STC2 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/03/2009 15:43:25	Scale1	FRANCIS		Gross	91820 lb
Out	06/03/2009 15:43:53		FRANCIS		Tare	30500 lb
					Net	61320 lb
					Tons	30.66

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:00 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	30.66	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Exf8-Env Fee $8 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	30.66	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001262

10001263

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CWM

Please print or type (Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNW210070570 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone 731-278-6556

A Manifest Number **WMNA** 10966575

B State Generator's ID TN21053

5. Transporter 1 Company Name — 6. US EPA ID Number — C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number — E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address — 10. US EPA ID Number — G. State Facility's ID

THE TUNICA LANDFILL
6035 DOWDIE ROAD
ROBINSONVILLE MS 38664

H. Facility's Phone 662 363-2282

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Tic Ket # 360302

Purchase Order # EMERGENCY CONTACT: Tom 332.104

16. GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name — Signature "On behalf of" — Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name — Signature — Month Day Year

CWM NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6065 Bowdre Rd
Robinsonville, MS 38664
Ph: 662 363 2262

Original
Ticket# 380302

Customer Name 4EPAC085 REPACO INC_85
Ticket Date 06/04/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10366575
Destination
PO 5001258
Profile 100705MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MOITHRUSTRUCKIN STRAYHORN TRUCKING
Vehicle# RFL
Container
Driver
Check#
Billing # 3000085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/04/2009 07:55:01	Scale1	TAMMY		Gross	92850 lb
Out	06/04/2009 07:56:01		TAMMY		Tare	27600 lb
					Net	65250 lb
					Tons	32.64

Comments

OPEN: MONDAY - FRIDAY 5:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	32.64	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee 48 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	32.64	Tons				SHE

Total Tax
Total Ticket

Driver s Signature

403WM

10001264

10001265

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

Please print or type (Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNR 000 715 910 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address Memphis Light Gas & Water Div. P.O. Box 388 Memphis TN 38101

4. Generator's Phone (717) 770-6950

A. Manifest Number WMNA 1979752

B. State Generator's ID TNR 053

5. Transporter 1 Company Name [illegible]

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6035 BOUDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2282

11. Description of Waste Materials	12. Containers No	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. Soil Waste WM Profile # 100784 MS			20 yds		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT:

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
[illegible]	[signature]	06	04	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
John Driscoll	[signature]	06	04	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	06	04	99

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6025 Bowdre Rd
Robinsonville, MS. 38664
Ph: 662 363 2282

Original
Ticket# 360315

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/04/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10979752
Destination
PO 5001256
Profile 100709MS (BURNED DRUMS)
Generator 101-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 32
Container
Driver
Check#
Billing # 0000025
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/04/2009 08:57:47	Scale1	FRANCIS		Gross	70820 lb
Out	06/04/2009 08:57:47		FRANCIS		Tare	32180 lb
					Net	38640 lb
					Tons	19.32

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Special Misc-Tons-	100	19.32	Tons				SHE
2 FUEL-Fuel Surchary	100		%				SHE
3 Evf0-Env Fee $8 Lg	100	1	Load				SHE
4 TRT-TRANSPORTATION	100	19.32	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

402WM1

10001266

10001267

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CWM

Please print or type (Form designed for use on elite (12 pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone

A. Manifest Number **WMNA** 12379754

B. State Generator's ID

5. Transporter 1 Company Name — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address — 10. US EPA ID Number

THE TUNICA LANDFILL
6086 BOWDRE ROAD
ROBINSONVILLE MS 38664

G. State Facility's ID

H. Facility's Phone 662 363-2282

GENERATOR

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 306305

Purchase Order # EMERGENCY CONTACT: Tons - 25.58

16 GENERATOR'S CERTIFICATION.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
		06	14	06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
David Perry		06	14	06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
		06	14	06

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowers Rd
Robinsonville, MS, 38664
Ph: 662 363 2284

Original
Ticket# 360305

Customer Name HERACO05 HERACO INC_05
Ticket Date 06/04/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10979754
Destination
PO 5001266
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMP-MISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# PT3 Volume
Container
Driver
Check#
Billing # 0002005
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/04/2009 08:06:00	Scale1	TAMMY		Gross	83750 lb
Out	06/04/2009 08:20:00		TAMMY		Tare	32620 lb
					Net	51130 lb
					Tons	25.58

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:30 am to 11:30 pm

	Product	UOM	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	25.58	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evf8-Env Fee $2 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	25.58	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001268

10001269

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CWM

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No | 2 Page 1 of

3. Generator's Name and Mailing Address: Memphis Refuse Hauler, 1116 Jerry Rd, Memphis, TN 38114, (901) 320-6950

4. Generator's Phone

A. Manifest Number: **WMNA** 10970755

B. State Generator's ID: TN4003

5. Transporter 1 Company Name: Rail Trucking Inc.

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: THE TUNICA LANDFILL, 6035 BOWDRE ROAD, ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone: 662 363-2282

GENERATOR

11. Description of Waste Materials	12. Containers No	Type	13. Total Quantity	14. Unit Wt./Vol	I. Misc. Comments
a. WM Profile #					
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information: Ticket # 360308

Purchase Order # EMERGENCY CONTACT: Tom - 2354

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
J. B. Jones		06	04	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Kenny Turner		06	04	09

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Tammy Reed	Tammy Reed	06	04	09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Yazoo Landfill
5035 Bowdre Rd
Rubinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 360308

Customer Name MEPAC085 MEPACO INC_85
Ticket Date 06/04/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10974758
Destination
PO 5001688
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 22
Container
Driver
Checks
Billing # 0000285
Gen EPA ID
Volume

	Time	Scale	Operator	Inbound		
In	06/04/2009 08:27:17	Scale1	TAMMY		Gross	78280 lb
Out	06/04/2009 08:27:17		TAMMY		Tare	33160 lb
					Net	45120 lb
					Tons	22.56

Comments

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 6:00 am to 11:30 pm

Product		LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	22.56	Tons				SHE
2	FUEL-Fuel Surcharg	100		y				SHE
3	Evf8-Env Fee 58 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	22.56	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001270

10001271

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CWM

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No. T N D 2 1 0 1 6 5 7 0 2 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address: Memphis Defense Depot, 1176 Davis Rd, Memphis, TN 38114, (901) 320-6950

A Manifest Number: WMNA 2270756

B. State Generator's ID: TN0053

4. Generator's Phone

5 Transporter 1 Company Name: Shankle Trucking Inc

6. US EPA ID Number

C State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E State Transporter's ID

F Transporter's Phone

9. Designated Facility Name and Site Address: THE TUNICA LANDFILL, 6035 BOWMORE ROAD, ROBINSONVILLE MS 38664

10. US EPA ID Number

G State Facility's ID

H Facility's Phone: 662 363-2252

GENERATOR

11 Description of Waste Materials	12 Containers No.	Type	13 Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. Rubble Items WM Profile # 1012 701 405			23.05	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K Disposal Location

Cell Level

Grid

15 Special Handling Instructions and Additional Information

Ticket # 300313 Tons 23.05

Purchase Order # EMERGENCY CONTACT

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John P Sasser		0 4	0 9	9 9

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Richard Hall		0 4	0 9	9 9

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
Thomas Ray	Thomas Ray	0 4	0 9	9 9

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6025 Dowdire Rd
Robinsonville, MS, 38664
Ph: 662 363 2256

Original
Ticket# 360313

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/04/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10979756
Destination
PO 5001268
Profile 100709M5 (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# JK1 Volume
Container
Driver
Check#
Billing # 0000095
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/04/2009 08:43:20	Scale1	TAMMY		Gross	77640 lb
Out	06/04/2009 08:43:29		TAMMY	*	Tare	31540 lb
					Net	46100 lb
					Tons	23.05

Commence

OPEN MONDAY - FRIDAY 6:00 am to 3:30 pm & SATURDAY 5:30 am to 11:30 pm

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	23.05	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	EnFB-Env Fee #8 Lg	100	1	Load				SHE
4	TPT-TRANSPORTATION	100	23.05	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

403WM

10001272

10001273

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CWM

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No: TN4210070519 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address: Memphis Defense Depot, 1716 Dunn Ave. (717) 776-6456, Memphis, TN. 38114

4. Generator's Phone

A. Manifest Number: **WMNA** 10966577

B. State Generator's ID: TN7210053

5. Transporter 1 Company Name: Terry Trucking #03 — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: THE TUNICA LANDFILL, 6559 BOWDRE ROAD, ROBINSONVILLE MS 38664 — 10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone: 662 363-2202

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt./Vol.	I. Misc. Comments
a. Empty Drums WM Profile # 166744 LC			4 4 2 0	Wt	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 361097

Purchase Order # EMERGENCY CONTACT: Tom S - 332 80

16. GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name: John R Smith — Signature "On behalf of" — Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Daniel Perry — Signature — Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name: Thomas M Ray — Signature — Month Day Year

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 361097

Customer Name HEPACO65 HEPACO INC_65
Ticket Date 06/12/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 12986577
Destination
PO 5001263
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 273 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/12/2009 10:38:25	Scale1	TAMMY		Gross	98250 lb
Out	06/12/2009 10:38:25		TAMMY		Tare	32620 lb
					Net	65640 lb
					Tons	32.82

Comments

OPEN JULY 4th NO CHANGE IN OUR SCHEDULE

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	32.82	Tons				SHE
2	Evfd-Env Fee $8 Lg	100	1	Load				SHE
3	TRT-TRANSPORTATION	100	32.82	Tons				SHE

OK

Total Tax
Total Ticket

Driver's Signature

403WM

10001274

10001275

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

C1R0A1

Please print or type (Form designed for use on elite (12 pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No: TNH121010710 | Manifest Document No:

2. Page 1 of

3. Generator's Name and Mailing Address: [illegible]

4 Generator's Phone: [illegible]

A Manifest Number: WMNA 1[illegible]576

B State Generator's ID: TNH1053

5 Transporter 1 Company Name: [illegible] Trucking

6 US EPA ID Number

C State Transporter's ID

D Transporter's Phone

7. Transporter 2 Company Name

8 US EPA ID Number

E State Transporter's ID

F Transporter's Phone

9 Designated Facility Name and Site Address
THE TUNICA LANDFILL
6099 DOWDYRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G State Facility's ID

H Facility's Phone 662 363-2282

11 Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14. Unit Wt./Vol	I. Misc. Comments
a [illegible] WM Profile # [illegible]			02020	yd3	
b WM Profile #					
c WM Profile #					
d. WM Profile #					

J Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K Disposal Location

Cell Level

Grid

15 Special Handling Instructions and Additional Information

TK#PT3 Ticket # 360170 Tons - 27.48

Purchase Order # EMERGENCY CONTACT

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John D Searcy	[signature]	09	14	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
	[signature]	09	14	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19.. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	09	14	09

CWM - NHM - 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Boundary Rd
Robinsonville, MS, 38664
Ph: 662 363 2862

Original
Ticket# 361079

Customer Name HERADOBS HERADO INC_BS
Ticket Date 06/12/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10966579
Destination
PO 5001268
Profile 100709NS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MARTINEXTRUCKIN STRAYHORN TRUCKING
Vehicle# PTC Volvo
Container
Driver
Check#
Billing # 00000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/12/2009 08:52:15	Scale1	TAMMY		Gross	87580 lb
Out	06/12/2009 08:52:15		TAMMY		Tare	32620 lb
					Net	54960 lb
					Tons	27.48

Comments:

OPEN JULY 4th NO CHANGE IN OUR SCHEDULE

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	27.48	Tons				SHE
2	FUEL-Fuel Surcharg	100		%				SHE
3	Evt6-Env Fee 96 Lg	100	1	Load				SHE
4	TRT-TRANSPORTATION	100	27.48	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001276

10001277

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CW241

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNK 1 0 0 7 0 7 0 — Manifest Document No.

2 Page 1 of

3. Generator's Name and Mailing Address [illegible]

4 Generator's Phone [illegible]

A Manifest Number **WMNA** 10966579

B State Generator's ID TN Haul 53

5. Transporter 1 Company Name Shirley 53

6. US EPA ID Number

C. State Transporter's ID

D Transporter's Phone

7 Transporter 2 Company Name

8 US EPA ID Number

E State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6305 BOWDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G State Facility's ID

H Facility's Phone 662 363-2282

11. Description of Waste Materials	12 Containers No.	12 Containers Type	13 Total Quantity	14 Unit Wt./Vol.	I. Misc. Comments
a [illegible] WM Profile # [illegible]			020120	LBS	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 361115

Purchase Order # EMERGENCY CONTACT: Tom's 31.60

16. GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
[illegible] Shirley	[signature]	06	16	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Kevin Gregory	[signature]	6	20	09

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
[illegible] Roy	[signature]	6	20	09

CWM - NRM - 1 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Beadre Rd
Robinsonville, MS 38664
Ph: 662 363 2822

Original
Ticket# 361115

Customer Name HEPACO38 HEPACO INC_55
Ticket Date 06/12/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10966579
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 32 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/12/2009 11:39:43	Scale1	TAMMY		Gross	96320 lb
Out	06/12/2009 11:39:43		TAMMY		Tare	33000 lb
					Net	63320 lb
					Tons	31.66

Comments

OPEN JULY 4th NO CHANGE IN OUR SCHEDULE

Product	LOC	Qty	UOM	Rate	Tax	Amount	Origin
1 Special Misc-Tons-	100	31.66	Tons				SHE
2 Evf6-Env Fee $3 Lg	100	1	Load				SHE
3 TRT-TRANSPORTATION	100	31.66	Tons				SHE

Total Tax
Total Ticket

Driver's Signature Kevin Gregory 53

403WM

100012778

10001279

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CWM

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNH2 1000 2057 12 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone

A. Manifest Number **WMNA** 11536580

B. State Generator's ID TN 46105 3

5. Transporter 1 Company Name Shirley Trucking, LLC — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6035 BOWDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2282

11. Description of Waste Materials	12. Containers No	Type	13. Total Quantity	14. Unit Wt./Vol	I. Misc. Comments
a. Non-Hazardous Solids WM Profile #			00012	YD	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill — Solidification

Bio Remediation

K. Disposal Location

Cell — Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 361117

Purchase Order # — EMERGENCY CONTACT: TOMS - 327.07

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John R Sevier		12	12	06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Louis Shirley		12	12	06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year
Tammy Ford		12	12	06

CWM NHM 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowers Rd
Robinsonville, MS. 38664
Ph: 662 363 3682

Original
Ticket# 361117

Customer Name HEPACO85 HEPACO IND_85
Ticket Date 06/12/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10966520
Destination
PO 5001268
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 52 Volume
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

	Time	Scale	Operator	Inbound		
In	06/12/2009 11:48:35	Scale1	TAMMY		Gross	86320 lb
Out	06/12/2009 11:49:25		TAMMY		Tare	32180 lb
					Net	54140 lb
					Tons	27.07

Comments

OPEN JULY 4th NO CHANGE IN OUR SCHEDULE

	Product	LDR	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons-	100	27.07	Tons				SHE
2	Evf8-Env Fee $8 Lg	100	1	Load				SHE
3	TRT-TRANSPORTATION	100	27.07	Tons				SHE

Driver's Signature

Total Tax
Total Ticket

10001280

10001281

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CWM

Please print or type. *(Form designed for use on elite (12-pitch) typewriter)*

NON-HAZARDOUS MANIFEST

1 Generator's US EPA ID No. T M R 1 0 0 7 0 5 7 0 — Manifest Document No

2. Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone

A. Manifest Number **WMNA 10966581**

B State Generator's ID TMW 053

5 Transporter 1 Company Name Ward Pod.

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8 US EPA ID Number

E State Transporter's ID

F Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6035 HOWDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G State Facility's ID

H Facility's Phone 662 363-2282

11 Description of Waste Materials	12. Containers No	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. Shredded Denims WM Profile # 106704			0 2 2 0		
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J Additional Descriptions for Materials Listed Above

Landfill Solidification

Bio Remediation

K. Disposal Location

Cell Level

Grid

15 Special Handling Instructions and Additional Information

Ticket # 360120

Tons - 27.07

Purchase Order # EMERGENCY CONTACT.

16. GENERATOR'S CERTIFICATION.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John B Swann		0	1	2 9

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Ward Str. 0986		0	1	2 9

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator. Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year
Tommy Kog		0	1	2 9

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#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 361120

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/12/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10965581
Destination
PO 5001868
Profile 100705MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# P2 Volume
Container
Driver
Check#
Billing # 0000085
Ser EPA ID

	Time	Scale	Operator	Inbound		
In	06/12/2009 12:00:48	Scale1	TAMMY		Gross	88500 lb
Out	06/12/2009 12:00:48		TAMMY		Tare	33160 lb
					Net	55340 lb
					Tons	27.67

Comments

OPEN JULY 4th NO CHANGE IN OUR SCHEDULE

Product	LB%	Qty	UOM	Rate	Tax	Amount	Origin
1 Special Misc-Tons	100	27.67	Tons				SHE
2 Evt8-Env Fee $8 Lg	100	1	Load				SHE
3 TRT-TRANSPORTATION	100	27.67	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001282

10001283

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CWM

Please print or type. *(Form designed for use on elite (12 pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. | Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone

A. Manifest Number **WMNA** 3235532

B. State Generator's ID TNHW 053

5. Transporter 1 Company Name: ROSS TRUCKING

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6035 BOMDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2262

11. Description of Waste Materials	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. WM Profile #			0070	Y	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 361123 Tons - 35.04

Purchase Order # EMERGENCY CONTACT

16. GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
John D. Spivey		10	12	05

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
CP Whitehurst for RTD4		10	12	05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year
Thomas Ford		10	12	05

CWM - NHM F1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Phr 662 363 2282

Original
Ticket# 361123

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/12/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10965542
Destination
PO 0001258
Profile 100709MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# RT9A Volume
Container
Driver
Check#
Billing # 0000085
Bon 696 ID

	Time	Scale	Operator	Inbound		
In	06/12/2009 12:19:45	Scale1	TAMMY		Gross	99800 lb
Out	06/12/2009 12:19:45		TAMMY		Tare	28720 lb
					Net	70080 lb
					Tons	35.04

Comments

OPEN JULY 4th NO CHANGE IN OUR SCHEDULE

	Product	UOM	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons- 100	100	35.04	Tons				SHE
2	Evf6-Env Fee $8 Lg 100	100	1	Load				SHE
3	TR1-TRANSPORTATION 100	100	35.04	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001284

10001285

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CWM

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. TNA210010515 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone

A. Manifest Number **WMNA 10966583**

B. State Generator's ID TN0053

5. Transporter 1 Company Name Kelly (FPO)

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
6035 BOWDRE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2252

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. WM Profile #			00015	T	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information

Ticket # 361089

Purchase Order # EMERGENCY CONTACT

Ton - 30.86

16. GENERATOR'S CERTIFICATION

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name — Signature "On behalf of" — Month Day Year: 06/12/15

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Ken Steiner — Signature — Month Day Year: 06/12/15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name — Signature — Month Day Year

CWM - NHM 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 2282

Original
Ticket# 361089

Customer Name HEPACO85 HEPACO INC_85
Ticket Date 06/12/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10956583
Destination
PO 5001268
Profile 100708M5 (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# P2
Container
Driver
Check#
Billing # 0000085
Gen EPA ID

Volume

	Time	Scale	Operator	Inbound		
In	06/12/2009 09:51:03	Scale1	TAMMY		Gross	94820 lb
Out	06/12/2009 09:51:29		TAMMY		Tare	33160 lb
					Net	61720 lb
					Tons	30.86

Comments

OPEN JULY 4th NO CHANGE IN OUR SCHEDULE

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Special Misc-Tons-100	100	30.86	Tons				SHE
2 Evf8-Env Fee *8 Lg	100	1	Load				SHE
3 TRT-TRANSPORTATION	100	30.86	Tons				SHE

Total Tax
Total Ticket

Driver's Signature

10001286

10001287

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

CWM

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. T W 4 2 1 0 0 2 5 2 0 — Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone

A. Manifest Number **WMNA** 305841

B. State Generator's ID TN1165253

5. Transporter 1 Company Name Shirley, Co — 6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
THE TUNICA LANDFILL
0035 NOVOPIE ROAD
ROBINSONVILLE MS 38664

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 662 363-2262

11. Description of Waste Materials	12 Containers No.	12 Containers Type	13 Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. Bulk Dirt — WM Profile #			0 0 2 0	Y	
b. — WM Profile #					
c. — WM Profile #					
d. — WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information Ticket # 301084

Purchase Order # EMERGENCY CONTACT: Tons 28.31

16 GENERATOR'S CERTIFICATION:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

Printed/Typed Name	Signature "On behalf of"	Month	Day	Year
Eric L Sawyer		12	12	09

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Kevin Gregory	Kevin Gregory	12	12	09

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month	Day	Year
Tommy Rod	Tommy Rod	12	12	09

CWM NHM 1 - 5/97

#3 - TRANSPORTER #1 COPY

WASTE MANAGEMENT

Tunica Landfill
6035 Bowdre Rd
Robinsonville, MS, 38664
Ph: 662 363 8288

Original
Ticket# 361084

Customer Name HEPACO55 HEPACO INC_85
Ticket Date 06/12/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 10966564
Destination
PO 5001268
Profile 100705MS (BURNED DRUMS)
Generator 181-MEMPHISDEFENSEDEPOT MEMPHIS DEFENSE DEPOT

Carrier MATTHEWSTRUCKIN STRAYHORN TRUCKING
Vehicle# 83 Volume
Container
Driver
Check#
Billing # 00000055
Gen SPA ID

	Time	Scale	Operator	Inbound		
In	06/12/2009 09:33:25	Scale1	TOMMY		Gross	80580 lb
Out	06/12/2009 09:45:10	Scale1	TOMMY		Tare	33000 lb
					Net	53620 lb
					Tons	26.81

Comments

OPEN JULY 4th NO CHANGE IN OUR SCHEDULE

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Special Misc-Tons -	100	26.81	Tons				SHE
2	Evf8-Env Fee V8 Lg	100	1	Load				SHE
3	TRT-TRANSPORTATION	100	26.81	Tons				SHE

Total Tax
Total Ticket

Driver's Signature Kevin Gregory 53

403WM

10001288

APPENDIX E

ANALYTICAL RESULTS

TABLE E-1
SAMPLE SUMMARY
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Activity	Sampling Event	Matrix	Event Start	Event Finish	Summary Table No.	Appendix Table No.
ETD	Dunn Field Backfill	Soil	10/18/07	10/18/07	-	E-2
ETD	TA-1F Initial Excavation	Soil	11/7/07	11/7/07	20	E-3
ETD	TA-1F Waste Material	Soil	11/7/07	11/7/07	21	E-4
ETD	TA-1F Backfill	Soil	11/7/07	11/7/07	-	E-5
ETD	TA-1F Disposal	Soil	11/7/07	11/7/07	-	E-6
ETD	TA-1F Round 2 Excavation	Soil	12/7/07	12/7/07	20	E-7
ETD	TA-1F Final Excavation	Soil	2/16/09	2/16/09	23	E-8
ETD	TA-3 Waste Characterization	Soil	11/5/07	11/12/07	-	E-9
ETD	TA-3 Initial Excavation	Soil	1/14/08	1/14/08	22	E-10
ETD	TA-3 Grid Sampling	Soil	2/24/09	2/25/09	25, 26	E-11
ETD	TA-3 Final Excavation, Phase 1	Soil	5/14/09	5/14/09	28, 29	E-12
ETD	TA-3 Final Excavation, Phase 2	Soil	6/5/09	6/5/09	28	E-12
ETD	TA-3 Final Excavation, Phase 3	Soil	6/12/09	6/12/09	28	E-12
FSVE	Baseline Groundwater	Groundwater	5/14/07	5/21/07	6	E-13
FSVE	Baseline Fluvial Soil	Soil	5/14/07	6/13/07	9	E-14
TSVE	TSVE Condensate	Water	6/16/08	6/16/08	30	E-15
TSVE	TSVE Condensate	Water	6/26/08	6/26/08	30	E-15
TSVE	TSVE Condensate	Water	7/10/08	7/10/08	30	E-15
TSVE	TSVE Condensate	Water	7/23/08	7/23/08	30	E-15
TSVE	TSVE Condensate	Water	8/8/08	8/8/08	30	E-15
TSVE	TSVE Condensate	Water	8/22/08	8/22/08	30	E-15
TSVE	TSVE Condensate	Water	9/8/08	9/8/08	30	E-15
TSVE	TSVE Condensate	Water	9/19/08	9/19/08	30	E-15
TSVE	TSVE Condensate	Water	10/2/08	10/2/08	30	E-15
TSVE	TSVE Condensate	Water	10/17/08	10/17/08	30	E-15
TSVE	TSVE Condensate	Water	11/25/08	11/25/08	30	E-15
TSVE	Interim Groundwater	Groundwater	8/18/08	8/20/08	35	E-16
TSVE	TSVE Confirmation Soil Round 1	Soil	8/18/08	8/20/08	32	E-17
TSVE	TSVE Confirmation Soil Round 2	Soil	9/10/08	9/12/08	32	E-17
TSVE	TSVE Confirmation Soil Round 3	Soil	10/2/08	10/2/08	32	E-17
TSVE	TSVE Confirmation Soil Round 4	Soil	10/20/08	10/20/08	32	E-17
TSVE	TSVE Confirmation Soil Round 5	Soil	11/11/08	11/11/08	32	E-17
TSVE	TSVE Confirmation Soil Round 6	Soil	11/17/08	11/17/08	32	E-17
TSVE	TSVE Vapor Sampling	Air	6/14/08	6/14/08	29	E-18
TSVE	TSVE Vapor Sampling	Air	6/26/08	6/26/08	29	E-18
TSVE	TSVE Vapor Sampling	Air	7/10/08	7/10/08	29	E-18
TSVE	TSVE Vapor Sampling	Air	7/23/08	7/23/08	29	E-18
TSVE	TSVE Vapor Sampling	Air	8/8/08	8/8/08	29	E-18
TSVE	TSVE Vapor Sampling	Air	8/22/08	8/22/08	29	E-18
TSVE	TSVE Vapor Sampling	Air	9/5/08	9/5/08	29	E-18
TSVE	TSVE Vapor Sampling	Air	9/18/08	9/18/08	29	E-18
TSVE	TSVE Vapor Sampling	Air	10/2/08	10/2/08	29	E-18
TSVE	TSVE Vapor Sampling	Air	10/16/08	10/16/08	29	E-18

TABLE E-2
DUNN FIELD BACKFILL, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Sample ID Lab ID Date Method	BACKFILL-1 L0710562-01 10/18/2007	BACKFILL-2 L0710562-02 10/18/2007	BACKFILL-3 L0710562-03 10/18/2007	BACKFILL-4 L0710562-04 10/18/2007
Volatile Organic Compounds (mg/kg)	**8260B**				
1,1,1,2-Tetrachloroethane		<0 00311	<0 00345	<0 00301	<0 00291
1,1,1-Trichloroethane		<0 00518	<0 00575	<0 00502	<0 00486
1,1,2,2-Tetrachloroethane		<0 00311	<0 00345	<0 00301	<0 00291
1,1,2-Trichloroethane		<0 00518	<0 00575	<0 00502	<0 00486
1,1-Dichloroethane		<0 00518	<0 00575	<0 00502	<0 00486
1,1-Dichloroethene		<0 00622	<0 0069	<0 00603	<0 00583
1,1-Dichloropropene		<0 00518	<0 00575	<0 00502	<0 00486
1,2,3-Trichlorobenzene		<0 00518	<0 00575	<0 00502	<0 00486
1,2,3-Trichloropropane		<0 00518	<0 00575	<0 00502	<0 00486
1,2,4-Trichlorobenzene		<0 00518	<0 00575	<0 00502	<0 00486
1,2,4-Trimethylbenzene		<0 00622	<0 0069	<0 00603	<0 00583
1,2-Dibromo-3-chloropropane		<0 0104	<0 0115	<0 01	<0 00971
1,2-Dibromoethane		<0 00518	<0 00575	<0 00502	<0 00486
1,2-Dichlorobenzene		<0 00518	<0 00575	<0 00502	<0 00486
1,2-Dichloroethane		<0 00311	<0 00345	<0 00301	<0 00291
1,2-Dichloropropane		<0 00518	<0 00575	<0 00502	<0 00486
1,3,5-Trimethylbenzene		<0 00518	<0 00575	<0 00502	<0 00486
1,3-Dichlorobenzene		<0 00622	<0 0069	<0 00603	<0 00583
1,3-Dichloropropane		<0 00207	<0 0023	<0 00201	<0 00194
1,4-Dichlorobenzene		<0 00207	<0 0023	<0 00201	<0 00194
1-Chlorohexane		<0 00518	<0 00575	<0 00502	<0 00486
2,2-Dichloropropane		<0 00518	<0 00575	<0 00502	<0 00486
2-Chlorotoluene		<0 00518	<0 00575	<0 00502	<0 00486
2-Hexanone		<0 0207	<0 023	<0 0201	<0 0194
4-Chlorotoluene		<0 00518	<0 00575	<0 00502	<0 00486
Acetone		<0 0207	<0 023	<0 0201	<0 0194
Benzene		<0 00207	<0 0023	<0 00201	<0 00194
Bromobenzene		<0 00518	<0 00575	<0 00502	<0 00486
Bromochloromethane		<0 00518	<0 00575	<0 00502	<0 00486
Bromodichloromethane		<0 00207	<0 0023	<0 00201	<0 00194
Bromoform		<0 00518	<0 00575	<0 00502	<0 00486
Bromomethane		<0 00518	<0 00575	<0 00502	<0 00486
Carbon disulfide		<0 00518	<0 00575	<0 00502	<0 00486
Carbon tetrachloride		<0 00518	<0 00575	<0 00502	<0 00486
Chlorobenzene		<0 00207	<0 0023	<0 00201	<0 00194
Chloroethane		<0 00518	<0 00575	<0 00502	<0 00486
Chloroform		<0 00207	<0 0023	<0 00201	<0 00194
Chloromethane		<0 00518	<0 00575	<0 00502	<0 00486
cis-1,2-Dichloroethene		<0 00518	<0 00575	<0 00502	<0 00486
cis-1,3-Dichloropropene		<0 00311	<0 00345	<0 00301	<0 00291
Dibromochloromethane		<0 00311	<0 00345	<0 00301	<0 00291
Dibromomethane		<0 00518	<0 00575	<0 00502	<0 00486
Dichlorodifluoromethane		<0 00518	<0 00575	<0 00502	<0 00486
Ethylbenzene		<0 00518	0 000746 F	<0 00502	<0 00486
Hexachlorobutadiene		<0 00311	<0 00345	<0 00301	<0 00291
Isopropylbenzene		<0 00518	<0 00575	<0 00502	<0 00486
m-,p-Xylene		<0 00518	0 000956 F	<0 00502	<0 00486
MEK (2-Butanone)		<0 0207	<0 023	<0 0201	<0 0194
Methyl t-butyl ether (MTBE)		<0 0207	<0 023	<0 0201	<0 0194
Methylene chloride		<0 00518	<0 00575	<0 00502	<0 00486
MIBK (methyl isobutyl ketone)		<0 0207	<0 023	<0 0201	<0 0194
Naphthalene		<0 00518	<0 00569	<0 00502	<0 00486
n-Butylbenzene		<0 00518	<0 00575	<0 00502	<0 00486
n-Propylbenzene		<0 00518	<0 00575	<0 00536	<0 00486
o-Xylene		<0 00518	<0 00575	<0 00536	<0 00486
p-Isopropyltoluene		<0 00622	<0 0069	<0 00643	<0 00583
sec-Butylbenzene		<0 00518	<0 00575	<0 00536	<0 00486
Styrene		<0 00518	<0 00575	<0 00502	<0 00486
tert-Butylbenzene		<0 00518	<0 00575	<0 00536	<0 00486
Tetrachloroethene		<0 00518	<0 00575	<0 00502	<0 00486
Toluene		<0 00518	<0 00575	<0 00502	<0 00486
Total Xylenes		<0 00518	0 000956 F	<0 00502	<0 00486
trans-1,2-Dichloroethene		<0 00518	<0 00575	<0 00536	<0 00486
trans-1,3-Dichloropropene		<0 00518	<0 00575	<0 00536	<0 00486
Trichloroethene		<0 00518	<0 00575	<0 00502	<0 00486
Trichlorofluoromethane		<0 00518	<0 00575	<0 00502	<0 00486
Vinyl acetate		<0 0104	<0 0115	<0 01	<0 00971
Vinyl chloride		<0 00518	<0 00575	<0 00502	<0 00486

TABLE E-2
DUNN FIELD BACKFILL, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Sample ID / Lab ID / Date / Method	BACKFILL-1 L0710562-01 10/18/2007	BACKFILL-2 L0710562-02 10/18/2007	BACKFILL-3 L0710562-03 10/18/2007	BACKFILL-4 L0710562-04 10/18/2007
Semi-Volatile Organic Compounds (mg/kg)	**8270C**				
1,2,4-Trichlorobenzene		<3 88	<3 67	<0 826	<0 811
1,2-Dichlorobenzene		<3 88	<3 67	<0 826	<0 811
1,3-Dichlorobenzene		<3 88	<3 67	<0 826	<0 811
1,4-Dichlorobenzene		<3 88	<3 67	<0 826	<0 811
2,4,5-Trichlorophenol		<1 83	<1 73	<0 389	<0 382
2,4,6-Trichlorophenol		<1 66	<1 57	<0 354	<0 347
2,4-Dichlorophenol		<1 66	<1 57	<0 354	<0 347
2,4-Dimethylphenol		<1 66	<1 57	<0 354	<0 347
2,4-Dinitrophenol		<8 88	<8 38	<1 89	<1 85
2,4-Dinitrotoluene		<1 83	<1 73	<0 389	<0 382
2,6-Dinitrotoluene		<1 83	<1 73	<0 389	<0 382
2-Chloronaphthalene		<1 83	<1 73	<0 389	<0 382
2-Chlorophenol		<1 66	<1 57	<0 354	<0 347
2-Methylnaphthalene		<1 83	<1 73	<0 389	<0 382
2-Methylphenol		<1 66	<1 57	<0 354	<0 347
2-Nitroaniline		<8 88	<8 38	<1 89	<1 85
2-Nitrophenol		<1 66	<1 57	<0 354	<0 347
3,3'-Dichlorobenzidine		<7 21	<6 81	<1 53	<1 51
3-,4-Methylphenol		<1 83	<1 73	<0 389	<0 382
3-Nitroaniline		<8 88	<8 38	<1 89	<1 85
4,6-Dinitro-2-methylphenol		<8 88	<8 38	<1 89	<1 85
4-Bromophenyl-phenylether		<1 83	<1 73	<0 389	<0 382
4-Chloro-3-methylphenol		<1 83	<1 73	<0 389	<0 382
4-Chloroaniline		<1 83	<1 73	<0 389	<0 382
4-Chlorophenyl-phenyl ether		<1 83	<1 73	<0 389	<0 382
4-Nitroaniline		<8 88	<8 38	<1 89	<1 85
4-Nitrophenol		<8 88	<8 38	<1 89	<1 85
Acenaphthene		1 52	4 51	<0 389	0 701
Acenaphthylene		<1 83	<1 73	<0 389	<0 382
Anthracene		2 45	6 93	0 253	1 31
Benzo(a)anthracene		7	20 9	0 967	3 85
Benzo(a)pyrene		6 36	20 7	0 902	3 52
Benzo(b)fluoranthene		6 52	22 7	0 976	3 42
Benzo(g,h,i)Perylene		3 3	6 95	0 583	1 62
Benzo(k)fluoranthene		6 67	23 7	0 935	3 95
Benzoic acid		<27 7	<26 2	<5 9	<5 79
Benzyl alcohol		<1 83	<1 73	<0 389	<0 382
Bis(2-Chloroethoxy)Methane		<1 83	<1 73	<0 389	<0 382
Bis(2-Chloroethyl)ether		<1 83	<1 73	<0 389	<0 382
bis(2-Chloroisopropyl)ether		<1 83	<1 73	<0 389	<0 382
bis(2-Ethylhexyl)phthalate		<1 83	<1 73	<0 389	<0 382
Butylbenzylphthalate		<1 83	<1 73	<0 389	<0 382
Chrysene		7 56	22 5	1 06	4 05
Dibenzo(a,h)Anthracene		1 35	2 45	0 178	0 572
Dibenzofuran		0 768	1 83	<0 389	0 332
Diethylphthalate		<1 83	<1 73	<0 389	<0 382
Dimethylphthalate		<1 83	<1 73	<0 389	<0 382
Di-N-Butylphthalate		<1 83	<1 73	<0 389	<0 382
Di-n-octylphthalate		<1 83	<1 73	<0 389	<0 382
Fluoranthene		22	65 3	2 8	68 4
Fluorene		1 22	3 02	<0 389	0 593
Hexachlorobenzene		<1 83	<1 73	<0 389	<0 382
Hexachlorobutadiene		<1 83	<1 73	<0 389	<0 382
Hexachlorocyclopentadiene		<1 83	<1 73	<0 389	<0 382
Hexachloroethane		<1 83	<1 73	<0 389	<0 382
Indeno(1,2,3-cd)pyrene		3 39	7 84	0 551	1 76
Isophorone		<1 83	<1 73	<0 389	<0 382
Naphthalene		<1 83	0 804	<0 389	<0 382
Nitrobenzene		<1 83	<1 73	<0 389	<0 382
N-Nitroso-di-n-propylamine		<1 83	<1 73	<0 389	<0 382
N-Nitrosodiphenylamine		<1 83	<1 73	<0 389	<0 382
Pentachlorophenol		<18 3	<17 3	<3 89	<3 82
Phenanthrene		16 1	46	1 69	44 5
Phenol		<1 66	<1 57	<0 354	<0 347
Pyrene		14 8	42 5	1 94	47 8

TABLE E-2
DUNN FIELD BACKFILL, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Sample ID Lab ID Date Method	BACKFILL-1 L0710562-01 10/18/2007	BACKFILL-2 L0710562-02 10/18/2007	BACKFILL-3 L0710562-03 10/18/2007	BACKFILL-4 L0710562-04 10/18/2007
Metals (mg/kg)	**6010B**				
Aluminum, Total		16800	23700	8380	9420
Barium, Total		133	197	102	104
Beryllium, Total		0 567	0 575	0 423 F	0 423 F
Cadmium, Total		0 219 F	0 587	0 345 F	0 252 F
Calcium, Total		10300	22900	3050	3660
Chromium, Total		22 6	50 5	18 5	16
Cobalt, Total		6 58	5 51	6 46	6 11
Copper, Total		22 5	107	26 9	25 5
Iron, Total		19000	18900	17100	18500
Magnesium, Total		2460	2660	1960	1780
Manganese, Total		440	353	479	404
Nickel, Total		15 8	15 1	14 7	13 8
Potassium, Total		1470	1680	738	711
Silver, Total		0 448 F	1 23 F	0 238 F	0 333 F
Sodium, Total		69 5	91 4	49 6	55
Vanadium, Total		34 2	35 9	20 8	20 9
Zinc, Total		79 1	191	86	66 7
Antimony, Total	6020	0 0991 F	0 186	<0 119	<0 12
Arsenic, Total		10 5	12 5	11 6	9 65
Lead, Total		51 7	191	89 3	91.2
Selenium, Total		0 206 F	0 19 F	0 353	0 397
Thallium, Total		0 254	0 232	0 281	0 27
Mercury, Total	7471A	0 0389 F	0 0455 F	0 0183 F	0 0144 F

TABLE E-3
TA-1F INITIAL EXCAVATION, SOIL ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Sample ID Lab ID Date Event Method	TA-1-FLOOR-1 L0711222-01 11/7/2007 SARA_ET&D	TA-1-FLOOR-2 L0711222-04 11/7/2007 SARA_ET&D	TA-1-NORTH-1 L0711222-07 11/7/2007 SARA_ET&D	TA-1-SOUTH-1 L0711222-05 11/7/2007 SARA_ET&D	TA-1-SOUTH-2 L0711222-06 11/7/2007 SARA_ET&D	TA-1-SOUTH-2 DUP L0711222-10 11/7/2007 SARA_ET&D	TA-1-EAST-1 L0711222-08 11/7/2007 SARA_ET&D
Volatile Organic Compounds (mg/kg)	**8260B**							
1,1,1,2-Tetrachloroethane		<0 00354	<0 00313	<0 0036	<0 00297	<0 00326	<0 00304	<0 00314
1,1,1-Trichloroethane		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
1,1,2,2-Tetrachloroethane		<0 00354	<0 00313	<0 0036	<0 00297	<0 00326	<0 00304	<0 00314
1,1,2-Trichloroethane		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
1,1-Dichloroethane		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
1,1-Dichloroethene		<0 00708	<0 00626	<0 00719	<0 00595	<0 00652	<0 00608	<0 00628
1,1-Dichloropropene		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
1,2,3-Trichlorobenzene		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
1,2,3-Trichloropropane		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
1,2,4-Trichlorobenzene		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
1,2,4-Trimethylbenzene		<0 00708	<0 00626	<0 00719	<0 00595	<0 00652	<0 00608	<0 00628
1,2-Dibromo-3-chloropropane		<0 0118	<0 0104	<0 012	<0 00991	<0 0109	<0 0101	<0 0105
1,2-Dibromoethane		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
1,2-Dichlorobenzene		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
1,2-Dichloroethane		<0 00354	<0 00313	<0 0036	<0 00297	<0 00326	<0 00304	<0 00314
1,2-Dichloropropane		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
1,3,5-Trimethylbenzene		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
1,3-Dichlorobenzene		<0 00708	<0 00626	<0 00719	<0 00595	<0 00652	<0 00608	<0 00628
1,3-Dichloropropane		<0 00236	<0 00209	<0 0024	<0 00198	<0 00217	<0 00203	<0 00209
1,4-Dichlorobenzene		<0 00236	<0 00209	<0 0024	<0 00198	<0 00217	<0 00203	<0 00209
1-Chlorohexane		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
2,2-Dichloropropane		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
2-Chlorotoluene		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
2-Hexanone		<0 0236	<0 0209	<0 024	<0 0198	<0 0217	<0 0203	<0 0209
4-Chlorotoluene		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
Acetone		<0 0236	<0 0209	<0 024	<0 0198	<0 0217	<0 0203	<0 0209
Benzene		<0 00236	<0 00209	<0 0024	<0 00198	<0 00217	<0 00203	<0 00209
Bromobenzene		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
Bromochloromethane		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
Bromodichloromethane		<0 00236	<0 00209	<0 0024	<0 00198	0 00084 F	0 000636 F	<0 00209
Bromoform		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
Bromomethane		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
Carbon disulfide		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
Carbon tetrachloride		<0 0059	<0 00521	<0 006	<0 00496	0 000858 F	0 000866 F	<0 00523
Chlorobenzene		<0 00236	<0 00209	<0 0024	<0 00198	<0 00217	<0 00203	<0 00209
Chloroethane		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
Chloroform		0 342	0 138	0 000892 F	0 00207	0 186 F	0 307	0 00456
Chloromethane		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
cis-1,2-Dichloroethene		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
cis-1,3-Dichloropropene		<0 00354	<0 00313	<0 0036	<0 00297	<0 00326	<0 00304	<0 00314
Dibromochloromethane		<0 00354	<0 00313	<0 0036	<0 00297	<0 00326	<0 00304	<0 00314
Dibromomethane		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
Dichlorodifluoromethane		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
Ethylbenzene		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
Hexachlorobutadiene		<0 00354	<0 00313	<0 0036	<0 00297	<0 00326	<0 00304	<0 00314
Isopropylbenzene		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
m-,p-Xylene		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
MEK (2-Butanone)		<0 0236	<0 0209	<0 024	<0 0198	<0 0217	<0 0203	<0 0209
Methyl t-butyl ether (MTBE)		<0 0236	<0 0209	<0 024	<0 0198	<0 0217	<0 0203	<0 0209
Methylene chloride		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
MIBK (methyl isobutyl ketone)		<0 0236	<0 0209	<0 024	<0 0198	<0 0217	<0 0203	<0 0209
Naphthalene		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
n-Butylbenzene		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
n-Propylbenzene		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
o-Xylene		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
p-Isopropyltoluene		<0 00708	<0 00626	<0 00719	<0 00595	<0 00652	<0 00608	<0 00628
sec-Butylbenzene		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
Styrene		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
tert-Butylbenzene		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
Tetrachloroethene		<0 0059	<0 00521	<0 006	0 000511 F	<0 00543	<0 00507	0 00141 F
Toluene		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
Total Xylenes		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
trans-1,2-Dichloroethene		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
trans-1,3-Dichloropropene		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
Trichloroethene		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
Trichlorofluoromethane		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523
Vinyl acetate		<0 0118	<0 0104	<0 012	<0 00991	<0 0109	<0 0101	<0 0105
Vinyl chloride		<0 0059	<0 00521	<0 006	<0 00496	<0 00543	<0 00507	<0 00523

Notes
F Estimate -result >MDL and <RL
<- Result is less than laboratory detection limit

TABLE E-3
TA-1F INITIAL EXCAVATION, QA ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

		Trip Blanks
	Sample ID	TB-11-7-07
	La ID	L0711222-12
	Date	11/7/2007
Analyte	Method	
Volatile Organic Compounds (ug/L)	**8260B**	
1,1,1,2-Tetrachloroethane		<0 5
1,1,1-Trichloroethane		<1
1,1,2,2-Tetrachloroethane		<0 5
1,1,2-Trichloroethane		<1
1,1-Dichloroethane		<1
1,1-Dichloroethene		<1
1,1-Dichloropropene		<1
1,2,3-Trichlorobenzene		<1
1,2,3-Trichloropropane		<1
1,2,4-Trichlorobenzene		<1
1,2,4-Trimethylbenzene		<1
1,2-Dibromo-3-chloropropane		<2
1,2-Dibromoethane		<1
1,2-Dichlorobenzene		<1
1,2-Dichloroethane		<0 5
1,2-Dichloropropane		<1
1,3,5-Trimethylbenzene		<1
1,3-Dichlorobenzene		<1
1,3-Dichloropropane		<0 4
1,4-Dichlorobenzene		<0.5
1-Chlorohexane		<1
2,2-Dichloropropane		<1
2-Chlorotoluene		<1
2-Hexanone		<10
4-Chlorotoluene		<1
Acetone		<10
Benzene		<0 4
Bromobenzene		<1
Bromochloromethane		<1
Bromodichloromethane		<0 5
Bromoform		<1
Bromomethane		<1
Carbon disulfide		<1
Carbon tetrachloride		<1
Chlorobenzene		<0 5
Chloroethane		<1
Chloroform		<0 3
Chloromethane		<1
cis-1,2-Dichloroethene		<1
cis-1,3-Dichloropropene		<0 5
Dibromochloromethane		<0 5
Dibromomethane		<1
Dichlorodifluoromethane		<1
Ethylbenzene		<1
Hexachlorobutadiene		<0 6
Isopropylbenzene		<1
m-,p-Xylene		<2
MEK (2-Butanone)		<10
Methyl t-butyl ether (MTBE)		<5
Methylene chloride		<1
MIBK (methyl isobutyl ketone)		<10
Naphthalene		<1
n-Butylbenzene		<1
n-Propylbenzene		<1
o-Xylene		<1
p-Isopropyltoluene		<1
sec-Butylbenzene		<1
Styrene		<1
tert-Butylbenzene		<1
Tetrachloroethene		<1
Toluene		<1
trans-1,2-Dichloroethene		<1
trans-1,3-Dichloropropene		<1
Trichloroethene		<1
Trichlorofluoromethane		<1
Vinyl acetate		<5
Vinyl chloride		<1

Notes
< Result is less than laboratory detection limit

TABLE E-4
TA-1F WASTE MATERIAL, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field – Defense Depot Memphis, Tennessee

Analyte	Sample ID Lab ID Date Event Method	TA-1-WEST-1 L0711222-09 11/7/2007 SARA_ET&D
Volatile Organic Compounds (mg/kg)	**8260B**	
1,1,1,2-Tetrachloroethane		<0 00487
1,1,1-Trichloroethane		0 00129 F
1,1,2,2-Tetrachloroethane		<0 00487
1,1,2-Trichloroethane		<0 00812
1,1-Dichloroethane		0 00274 F
1,1-Dichloroethene		<0 00974
1,1-Dichloropropene		<0 00812
1,2,3-Trichlorobenzene		<0 00812
1,2,3-Trichloropropane		<0 00812
1,2,4-Trichlorobenzene		0 00155 F
1,2,4-Trimethylbenzene		<0 00974
1,2-Dibromo-3-chloropropane		<0 0162
1,2-Dibromoethane		<0 00812
1,2-Dichlorobenzene		<0 00812
1,2-Dichloroethane		<0 00487
1,2-Dichloropropane		<0 00812
1,3,5-Trimethylbenzene		<0 00812
1,3-Dichlorobenzene		<0 00974
1,3-Dichloropropane		<0 00325
1,4-Dichlorobenzene		<0 00325
1-Chlorohexane		<0 00812
2,2-Dichloropropane		<0 00812
2-Chlorotoluene		<0 00812
2-Hexanone		<0 0325
4-Chlorotoluene		<0 00812
Acetone		0 0127 F
Benzene		<0 00325
Bromobenzene		<0 00812
Bromochloromethane		<0 00812
Bromodichloromethane		0 00448
Bromoform		<0 00812
Bromomethane		<0 00812
Carbon disulfide		<0 00812
Carbon tetrachloride		0 317
Chlorobenzene		<0 00325
Chloroethane		<0 00812
Chloroform		52
Chloromethane		0 00355 F
cis-1,2-Dichloroethene		<0 00812
cis-1,3-Dichloropropene		<0 00487
Dibromochloromethane		<0 00487
Dibromomethane		<0 00812
Dichlorodifluoromethane		<0 00812
Ethylbenzene		<0 00812
Hexachlorobutadiene		0 00204 F
Isopropylbenzene		<0 00812
m-,p-Xylene		<0 00812
MEK (2-Butanone)		<0 0325
Methyl t-butyl ether (MTBE)		<0 0325
Methylene chloride		0 00165 F
MIBK (methyl isobutyl ketone)		<0 0325
Naphthalene		<0 00812
n-Butylbenzene		<0 00812
n-Propylbenzene		<0 00812
o-Xylene		<0 00812
p-Isopropyltoluene		<0 00974
sec-Butylbenzene		<0 00812
Styrene		<0 00812
tert-Butylbenzene		<0 00812
Tetrachloroethene		0 0142
Toluene		<0 00812
Total Xylenes		<0 00812
trans-1,2-Dichloroethene		<0 00812
trans-1,3-Dichloropropene		<0 00812
Trichloroethene		0 00231 F
Trichlorofluoromethane		<0 00812
Vinyl acetate		<0 0162
Vinyl chloride		<0 00812

TABLE E-4
TA-1F WASTE MATERIAL, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field – Defense Depot Memphis, Tennessee

Analyte	Sample ID Lab ID Date Event Method	TA-1-WEST-1 L0711222-09 11/7/2007 SARA_ET&D
Semi-Volatile Organic Compounds (mg/kg)	**8270C**	
1,2,4-Trichlorobenzene		<833
1,2-Dichlorobenzene		<833
1,3-Dichlorobenzene		<833
1,4-Dichlorobenzene		<833
2,4,5-Trichlorophenol		<393
2,4,6-Trichlorophenol		<357
2,4-Dichlorophenol		<357
2,4-Dimethylphenol		<357
2,4-Dinitrophenol		<1910
2,4-Dinitrotoluene		<393
2,6-Dinitrotoluene		<393
2-Chloronaphthalene		<393
2-Chlorophenol		<357
2-Methylnaphthalene		<393
2-Methylphenol		<357
2-Nitroaniline		<1910
2-Nitrophenol		<357
3,3'-Dichlorobenzidine		<1550
3-,4-Methylphenol		<393
3-Nitroaniline		<1910
4,6-Dinitro-2-methylphenol		<1910
4-Bromophenyl-phenylether		<393
4-Chloro-3-methylphenol		<393
4-Chloroaniline		<393
4-Chlorophenyl-phenyl ether		<393
4-Nitroaniline		<1910
4-Nitrophenol		<1910
Acenaphthene		<393
Acenaphthylene		<393
Anthracene		<393
Benzo(a)anthracene		<393
Benzo(a)pyrene		<393
Benzo(b)fluoranthene		<393
Benzo(g,h,i)Perylene		<393
Benzo(k)fluoranthene		<393
Benzoic acid		<5950
Benzyl alcohol		<393
Bis(2-Chloroethoxy)Methane		<393
Bis(2-Chloroethyl)ether		<393
bis(2-Chloroisopropyl)ether		<393
bis(2-Ethylhexyl)phthalate		<393
Butylbenzylphthalate		<393
Chrysene		<393
Dibenzo(a,h)Anthracene		<393
Dibenzofuran		<393
Diethylphthalate		<393
Dimethylphthalate		<393
Di-N-Butylphthalate		<393
Di-n-octylphthalate		<393
Fluoranthene		<393
Fluorene		<393
Hexachlorobenzene		<393
Hexachlorobutadiene		<393
Hexachlorocyclopentadiene		<393
Hexachloroethane		<393
Indeno(1,2,3-cd)pyrene		<393
Isophorone		<393
Naphthalene		<393
Nitrobenzene		<393
N-Nitroso-di-n-propylamine		<393
N-Nitrosodiphenylamine		<393
Pentachlorophenol		<3930
Phenanthrene		<393
Phenol		<357
Pyrene		<833

TABLE E-4
TA-1F WASTE MATERIAL, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field – Defense Depot Memphis, Tennessee

Analyte	Sample ID Lab ID Date Event Method	TA-1-WEST-1 L0711222-09 11/7/2007 SARA_ET&D
Polychlorinated Biphenyls (mg/kg)	**8082**	
Aroclor-1016		<0 0179
Aroclor-1221		<0.0179
Aroclor-1232		<0.0179
Aroclor-1242		<0.0179
Aroclor-1248		<0 0179
Aroclor-1254		<0 0179
Aroclor-1260		<0.0179
Pesticides (mg/kg)	**8081A**	
4,4'-DDD		<1 79
4,4'-DDE		<1 79
4,4'-DDT		<1 79
Aldrin		<1 79
Dieldrin		<1 79
Endosulfan I		<1 79
Endosulfan II		<1 79
Endosulfan sulfate		<1.79
Endrin		<1 79
Endrin aldehyde		<1 79
Endrin ketone		<1 79
Heptachlor		<1.79
Heptachlor epoxide		<1.79
Methoxychlor		<1 79
Toxaphene		<35 8
alpha Chlordane		<1 79
alpha-BHC		<1.79
beta-BHC		<1 79
delta-BHC		<1 79
gamma Chlordane		<1 79
Herbicides	**8151A**	
2,4,5-T		<0 0869
2,4,5-TP (Silvex)		<0 0652
2,4-D		<0 869
2,4-DB		<0 869
Dalapon		<2 17
Dicamba		<0 0869
Dichloroprop		<0 869
Dinoseb		<0 435
MCPA		<86 9
MCPP		<86 9
Pentachlorophenol		<0 0869
Metals (mg/kg)	**6010B**	
Aluminum, Total		69 9
Barium, Total		2 06
Beryllium, Total		<0 413
Cadmium, Total		<0 413
Calcium, Total		236
Chromium, Total		25
Cobalt, Total		0 255 F
Copper, Total		1 96
Iron, Total		379
Magnesium, Total		28 4
Manganese, Total		3 06
Nickel, Total		5 96
Potassium, Total		<41 3
Silver, Total		<1 65
Sodium, Total		78 4
Vanadium, Total		0 231 F
Zinc, Total		2 73
Antimony, Total	6020	1 71
Arsenic, Total		2 29
Lead, Total		2 66
Selenium, Total		0 575
Thallium, Total		0 0348
Mercury, Total	7471A	<0 266
gamma-BHC (Lindane)		<1.79

Notes
B Method Blank Contamination
F Estimate -result >MDL and <RL
J Estimated Result
< Result is less than laboratory detection limit

TABLE E-5
TA-1F BACKFILL, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field – Defense Depot Memphis, Tennessee

Analyte	Sample ID Lab ID Date Units	TA-1-BACKFILL L0711222-13 11/7/2007
1,1,1,2-Tetrachloroethane	mg/kg	<0 00329
1,1,1-Trichloroethane	mg/kg	<0.00548
1,1,2,2-Tetrachloroethane	mg/kg	<0 00329
1,1,2-Trichloroethane	mg/kg	<0 00548
1,1-Dichloroethane	mg/kg	<0.00548
1,1-Dichloroethene	mg/kg	<0 00658
1,1-Dichloropropene	mg/kg	<0 00548
1,2,3-Trichlorobenzene	mg/kg	<0 00548
1,2,3-Trichloropropane	mg/kg	<0.00548
1,2,4-Trichlorobenzene	mg/kg	<0.00548
1,2,4-Trimethylbenzene	mg/kg	<0 00658
1,2-Dibromo-3-chloropropane	mg/kg	<0 011
1,2-Dibromoethane	mg/kg	<0 00548
1,2-Dichlorobenzene	mg/kg	<0 00548
1,2-Dichloroethane	mg/kg	<0 00329
1,2-Dichloropropane	mg/kg	<0 00548
1,3,5-Trimethylbenzene	mg/kg	<0 00548
1,3-Dichlorobenzene	mg/kg	<0 00658
1,3-Dichloropropane	mg/kg	<0 00219
1,4-Dichlorobenzene	mg/kg	<0 00219
1-Chlorohexane	mg/kg	<0 00548
2,2-Dichloropropane	mg/kg	<0.00548
2-Chlorotoluene	mg/kg	<0.00548
2-Hexanone	mg/kg	<0 0219
4-Chlorotoluene	mg/kg	<0 00548
Acetone	mg/kg	<0 0219
Benzene	mg/kg	<0.00219
Bromobenzene	mg/kg	<0.00548
Bromochloromethane	mg/kg	<0 00548
Bromodichloromethane	mg/kg	<0 00219
Bromoform	mg/kg	<0 00548
Bromomethane	mg/kg	<0 00548
Carbon disulfide	mg/kg	<0 00548
Carbon tetrachloride	mg/kg	<0 00548
Chlorobenzene	mg/kg	<0 00219
Chloroethane	mg/kg	<0 00548
Chloroform	mg/kg	0 00797
Chloromethane	mg/kg	<0 00548
cis-1,2-Dichloroethene	mg/kg	<0.00548
cis-1,3-Dichloropropene	mg/kg	<0 00329
Dibromochloromethane	mg/kg	<0 00329
Dibromomethane	mg/kg	<0 00548
Dichlorodifluoromethane	mg/kg	<0 00548
Ethylbenzene	mg/kg	<0.00548
Hexachlorobutadiene	mg/kg	<0 00329
Isopropylbenzene	mg/kg	<0 00548
m-,p-Xylene	mg/kg	<0.00548
MEK (2-Butanone)	mg/kg	<0 0219
Methyl t-butyl ether (MTBE)	mg/kg	<0 0219
Methylene chloride	mg/kg	<0 00548
MIBK (methyl isobutyl ketone)	mg/kg	<0 0219
Naphthalene	mg/kg	<0 00548
n-Butylbenzene	mg/kg	<0.00548
n-Propylbenzene	mg/kg	<0 00548
o-Xylene	mg/kg	<0 00548
p-Isopropyltoluene	mg/kg	<0.00658
sec-Butylbenzene	mg/kg	<0.00548
Styrene	mg/kg	<0 00548
tert-Butylbenzene	mg/kg	<0 00548
Tetrachloroethene	mg/kg	<0 00548
Toluene	mg/kg	<0 00548
Total Xylenes	mg/kg	<0 00548
trans-1,2-Dichloroethene	mg/kg	<0 00548
trans-1,3-Dichloropropene	mg/kg	<0 00548
Trichloroethene	mg/kg	<0 00548
Trichlorofluoromethane	mg/kg	<0 00548
Vinyl acetate	mg/kg	<0 011
Vinyl chloride	mg/kg	<0 00548

Notes
< Result is less than laboratory detection limit

TABLE E-6
TA-1F DISPOSAL, SAMPLE ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field – Defense Depot Memphis, Tennessee

Analyte	Sample ID Lab ID Date Method	TA-1-DISPOSAL-1 L0711223-07 11/7/2007
Volatile Organic Compounds (ug/L)	**8260B**	
1,1-Dichloroethene		<50
1,2-Dichloroethane		<50
Benzene		<50
Carbon tetrachloride		<50
Chlorobenzene		<50
Chloroform		<50
Methyl Ethyl Ketone		<100
Tetrachloroethene		<50
Trichloroethene		<50
Vinyl chloride		<100
Semi-Volatile Organic Compounds (ug/L)	**8270C**	
1,4-Dichlorobenzene		<50
2,4,5-Trichlorophenol		<250
2,4,6-Trichlorophenol		<50
2,4-Dinitrotoluene		<50
Hexachlorobenzene		<50
Hexachlorobutadiene		<50
Hexachloroethane		<50
m-,p-Cresol		<50
Nitrobenzene		<50
o-Cresol		<50
Pentachlorophenol		<250
Pyridine		<500
Ignitability (Degrees C)	**1010**	70
Corrosivity pH	**9045C**	5 89
Metals (ug/L)	**6010B**	
Arsenic, TCLP		<1
Barium, TCLP		0 847 F
Cadmium, TCLP		<0 1
Chromium, TCLP		<0 2
Lead, TCLP		<1
Selenium, TCLP		<0 8
Silver, TCLP		<0 1
Mercury, TCLP (ug/L)	7471A	<0 005
Pesticides (ug/L)	**8081A**	
alpha Chlordane		<0 5
Chlordane		<10
Endrin		<0 5
gamma Chlordane		<0 5
Heptachlor		<0 5
Heptachlor Epoxide		<0 5
Lindane		<0 5
Methoxychlor		<0 5
Toxaphene		<10
Polychlorinated Biphenyls (mg/kg)	**8082**	
Aroclor-1016		<16
Aroclor-1221		<16
Aroclor-1232		<16
Aroclor-1242		<16
Aroclor-1248		<16
Aroclor-1254		<16
Aroclor-1260		13 F
Herbicides (ug/L)	**8151A**	
2,4,5-TP (Silvex)		<2
2,4-D		<20
Reactivity (mg/Kg)		
Reactivity, Cyanide	SW7 33	<10
Reactivity, Sulfide	SW7 34	<100

Notes
< Result is less than laboratory detection limit
F Estimate -result >MDL and <RL

TABLE E-7
TA-1F ROUND 2 EXCAVATION, SOIL ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID	TA-1-FLOOR-3
	Lab ID	L0712240-01
	Date	12/7/2007
	Event	SARA_ET&D
Analyte	Method	
Volatile Organic Compounds (mg/kg)	**8260B**	
1,1,1,2-Tetrachloroethane		<0 00313
1,1,1-Trichloroethane		<0 00522
1,1,2,2-Tetrachloroethane		<0 00313
1,1,2-Trichloroethane		<0 00522
1,1-Dichloroethane		<0 00522
1,1-Dichloroethene		<0 00626
1,1-Dichloropropene		<0 00522
1,2,3-Trichlorobenzene		<0 00522
1,2,3-Trichloropropane		<0 00522
1,2,4-Trichlorobenzene		<0 00522
1,2,4-Trimethylbenzene		<0 00626
1,2-Dibromo-3-chloropropane		<0 0104
1,2-Dibromoethane		<0 00522
1,2-Dichlorobenzene		<0 00522
1,2-Dichloroethane		<0 00313
1,2-Dichloropropane		<0 00522
1,3,5-Trimethylbenzene		<0 00522
1,3-Dichlorobenzene		<0 00626
1,3-Dichloropropane		<0 00209
1,4-Dichlorobenzene		<0 00209
1-Chlorohexane		<0 00522
2,2-Dichloropropane		<0 00522
2-Chlorotoluene		<0 00522
2-Hexanone		<0 0209
4-Chlorotoluene		<0 00522
Acetone		0 00647 F
Benzene		<0 00209
Bromobenzene		<0 00522
Bromochloromethane		<0 00522
Bromodichloromethane		<0 00209
Bromoform		<0 00522
Bromomethane		<0 00522
Carbon disulfide		<0 00522
Carbon tetrachloride		<0 00522
Chlorobenzene		<0 00209
Chloroethane		<0 00522
Chloroform		<0 00209
Chloromethane		<0 00522
cis-1,2-Dichloroethene		<0 00522
cis-1,3-Dichloropropene		<0 00313
Dibromochloromethane		<0 00313
Dibromomethane		<0 00522
Dichlorodifluoromethane		<0 00522
Ethylbenzene		<0 00522
Hexachlorobutadiene		<0 00313
Isopropylbenzene		<0 00522
m-,p-Xylene		<0 00522
MEK (2-Butanone)		<0 0209
Methyl t-butyl ether (MTBE)		<0 0209
Methylene chloride		<0 00522
MIBK (methyl isobutyl ketone)		<0 0209
Naphthalene		<0 00522
n-Butylbenzene		<0 00522
n-Propylbenzene		<0 00522
o-Xylene		<0 00522
p-Isopropyltoluene		<0 00626
sec-Butylbenzene		<0 00522
Styrene		<0 00522
tert-Butylbenzene		<0 00522
Tetrachloroethene		<0 00522
Toluene		<0 00522
Total Xylenes		<0 00522
trans-1,2-Dichloroethene		<0 00522
trans-1,3-Dichloropropene		<0 00522
Trichloroethene		<0 00522
Trichlorofluoromethane		<0 00522
Vinyl acetate		<0 0104
Vinyl chloride		<0 00522

Notes
F Estimate -result >MDL and <RL
< Result is less than laboratory detection limit

TABLE E-7
TA-1F ROUND 2 EXCAVATION, QA ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID	TB-120707
	La ID	L0712240-02
	Date	12/7/2007
Analyte	Method	
Volatile Organic Compounds (ug/L)	**8260B**	
1,1,1,2-Tetrachloroethane		<0 5
1,1,1-Trichloroethane		<1
1,1,2,2-Tetrachloroethane		<0 5
1,1,2-Trichloroethane		<1
1,1-Dichloroethane		<1
1,1-Dichloroethene		<1
1,1-Dichloropropene		<1
1,2,3-Trichlorobenzene		<1
1,2,3-Trichloropropane		<1
1,2,4-Trichlorobenzene		<1
1,2,4-Trimethylbenzene		<1
1,2-Dibromo-3-chloropropane		<2
1,2-Dibromoethane		<1
1,2-Dichlorobenzene		<1
1,2-Dichloroethane		<0 5
1,2-Dichloropropane		<1
1,3,5-Trimethylbenzene		<1
1,3-Dichlorobenzene		<1
1,3-Dichloropropane		<0 4
1,4-Dichlorobenzene		<0 5
1-Chlorohexane		<1
2,2-Dichloropropane		<1
2-Chlorotoluene		<1
2-Hexanone		<10
4-Chlorotoluene		<1
Acetone		2 94
Benzene		<0 4
Bromobenzene		<1
Bromochloromethane		<1
Bromodichloromethane		<0 5
Bromoform		<1
Bromomethane		<1
Carbon disulfide		<1
Carbon tetrachloride		<1
Chlorobenzene		<0 5
Chloroethane		<1
Chloroform		<0 3
Chloromethane		<1
cis-1,2-Dichloroethene		<1
cis-1,3-Dichloropropene		<0 5
Dibromochloromethane		<0 5
Dibromomethane		<1
Dichlorodifluoromethane		<1
Ethylbenzene		<1
Hexachlorobutadiene		<0 6
Isopropylbenzene		<1
m-,p-Xylene		<2
MEK (2-Butanone)		<10
Methyl t-butyl ether (MTBE)		<5
Methylene chloride		<1
MIBK (methyl isobutyl ketone)		<10
Naphthalene		<1
n-Butylbenzene		<1
n-Propylbenzene		<1
o-Xylene		<1
p-Isopropyltoluene		<1
sec-Butylbenzene		<1
Styrene		<1
tert-Butylbenzene		<1
Tetrachloroethene		<1
Toluene		<1
trans-1,2-Dichloroethene		<1
trans-1,3-Dichloropropene		<1
Trichloroethene		<1
Trichlorofluoromethane		<1
Vinyl acetate		<5
Vinyl chloride		<1

Notes
< Result is less than laboratory detection limit

TABLE E-8
TA-1F FINAL EXCAVATION, SOIL ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Sample ID / Lab ID / Date	Units	FLOOR-N-TAIF L09020312-01 2/16/2009	FLOOR-N-TAIF DUP L09020312-11 2/16/2009	FLOOR-S-TAIF L09020312-06 2/16/2009	WALL-E-TAIF-1 L09020312-04 2/16/2009	WALL-E-TAIF-2 L09020312-05 2/16/2009	WALL-N-TAIF L09020312-02 2/16/2009	WALL-S-TAIF L09020312-07 2/16/2009	WALL-W-TAIF L09020312-03 2/16/2009
1,1,1,2-Tetrachloroethane		mg/kg	<0 00319	<0 00315	<0 00307	<0 00315	<0 00315	<0 00307	<0 00334	<0 00411
1,1,1-Trichloroethane		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
1,1,2,2-Tetrachloroethane		mg/kg	<0 00319	<0 00315	<0 00307	<0 00315	<0 00315	<0 00307	<0 00334	<0 00411
1,1,2-Trichloroethane		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
1,1-Dichloroethane		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
1,1-Dichloroethene		mg/kg	<0 00638	<0 0063	<0 00614	<0 0063	<0 0063	<0 00614	<0 00667	<0 00823
1,1-Dichloropropene		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
1,2,3-Trichlorobenzene		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
1,2,3-Trichloropropane		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	0 00211 F
1,2,4-Trichlorobenzene		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
1,2,4-Trimethylbenzene		mg/kg	<0 00638	<0 0063	<0 00614	<0 0063	<0 0063	<0 00614	<0 00667	<0 00823
1,2-Dibromo-3-chloropropane		mg/kg	<0 0106	<0 0105	<0 0102	<0 0105	<0 0105	<0 0102	<0 0111	<0 0137
1,2-Dibromoethane		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
1,2-Dichlorobenzene		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
1,2-Dichloroethane		mg/kg	<0 00319	<0 00315	<0 00307	<0 00315	<0 00315	<0 00307	<0 00334	<0 00411
1 2-Dichloropropane		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
1,3,5-Trimethylbenzene		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
1,3-Dichlorobenzene		mg/kg	<0 00638	<0 0063	<0 00614	<0 0063	<0 0063	<0 00614	<0 00667	<0 00823
1,3-Dichloropropane		mg/kg	<0 00213	<0 0021	<0 00205	<0 0021	<0 0021	<0 00205	<0 00222	<0 00274
1,4-Dichlorobenzene		mg/kg	<0 00213	<0 0021	<0 00205	<0 0021	<0 0021	<0 00205	<0 00222	<0 00274
1-Chlorohexane		mg/kg	<0 00531 Q	<0 00525 Q	<0 00512 Q	<0 00525 Q	<0 00525 Q	<0 00512 Q	<0 00556 Q	<0 00685 Q
2,2-Dichloropropane		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
2-Chlorotoluene		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556 M	<0 00685
2-Hexanone		mg/kg	<0 0213 Q	<0 021 Q	<0 0205 Q	<0 021 Q	<0 021 Q	<0 0205 Q	<0 0222 Q	<0 0274 Q
4-Chlorotoluene		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
Acetone		mg/kg	<0 0213 Q	<0 021 Q	<0 0205 Q	<0 021 Q	0 00555 Q	<0 0205 Q	<0 0222 Q	<0 0274 Q
Benzene		mg/kg	<0 00213	<0 0021	<0 00205	<0 0021	<0 0021	<0 00205	<0 00222	<0 00274
Bromobenzene		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
Bromochloromethane		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
Bromodichloromethane		mg/kg	<0 00213	<0 0021	<0 00205	<0 0021	<0 0021	<0 00205	<0 00222	<0 00274
Bromoform		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
Bromomethane		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556 M	<0 00685
Carbon disulfide		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
Carbon tetrachloride		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
Chlorobenzene		mg/kg	<0 00213	<0 0021	<0 00205	<0 0021	<0 0021	<0 00205	<0 00222	<0 00274
Chloroethane		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	0 00266 F	<0 00512	<0 00556 M	<0 00685
Chloroform		mg/kg	0 000905 F	0 000766 F	0 0172	<0 0021	0 00517	<0 00205	<0 00222	<0 00274
Chloromethane		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556 M	<0 00685
cis-1,2-Dichloroethene		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
cis-1,3-Dichloropropene		mg/kg	<0 00319	<0 00315	<0 00307	<0 00315	<0 00315	<0 00307	<0 00334	<0 00411
Dibromochloromethane		mg/kg	<0 00319	<0 00315	<0 00307	<0 00315	<0 00315	<0 00307	<0 00334	<0 00411
Dibromomethane		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
Dichlorodifluoromethane		mg/kg	<0 00531 Q	<0 00525 Q	<0 00512 Q	<0 00525 Q	<0 00525 Q	<0 00512 Q	<0 00556 Q	<0 00685 Q
Ethylbenzene		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
Hexachlorobutadiene		mg/kg	<0 00319	<0 00315	<0 00307	<0 00315	<0 00315	<0 00307	<0 00334	<0 00411
Isopropylbenzene		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
m-,p-Xylene		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
MEK (2-Butanone)		mg/kg	<0 0213 Q	<0 021 Q	<0 0205 Q	<0 021 Q	<0 021 Q	<0 0205 Q	<0 0222 Q	<0 0274 Q
Methyl t-butyl ether (MTBE)		mg/kg	<0 0213	<0 021	<0 0205	<0 021	<0 021	<0 0205	<0 0222	<0 0274
Methylene chloride		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
MIBK (methyl isobutyl ketone)		mg/kg	<0 0213 Q	<0 021 Q	<0 0205 Q	<0 021 Q	<0 021 Q	<0 0205 Q	<0 0222 Q	<0 0274 Q
Naphthalene		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
n-Butylbenzene		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
n-Propylbenzene		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
o-Xylene		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
p-Isopropyltoluene		mg/kg	<0 00638	<0 0063	<0 00614	<0 0063	<0 0063	<0 00614	<0 00667	<0 00823
sec-Butylbenzene		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
Styrene		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
tert-Butylbenzene		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
Tetrachloroethene		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
Toluene		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
Total Xylenes		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
trans-1,2-Dichloroethene		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
trans-1,3-Dichloropropene		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
Trichloroethene		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
Trichlorofluoromethane		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556	<0 00685
Vinyl acetate		mg/kg	<0 0106 Q	<0 0105 Q	<0 0102 Q	<0 0105 Q	<0 0105 Q	<0 0102 Q	<0 0111 Q	<0 0137 Q
Vinyl chloride		mg/kg	<0 00531	<0 00525	<0 00512	<0 00525	<0 00525	<0 00512	<0 00556 M	<0 00685

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
Q One or more quality control criteria failed

TABLE E-8
TA-1F FINAL EXCAVATION, QA ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID	TB-1
	Lab ID	L09020312-10
	Date	2/16/2009
Analyte	Units	
1,1,1,2-Tetrachloroethane	ug/L	<0 5
1,1,1-Trichloroethane	ug/L	<1
1,1,2,2-Tetrachloroethane	ug/L	<0.5
1,1,2-Trichloroethane	ug/L	<1
1,1-Dichloroethane	ug/L	<1
1,1-Dichloroethene	ug/L	<1
1,1-Dichloropropene	ug/L	<1
1,2,3-Trichlorobenzene	ug/L	<1
1,2,3-Trichloropropane	ug/L	<1
1,2,4-Trichlorobenzene	ug/L	<1
1,2,4-Trimethylbenzene	ug/L	<1
1,2-Dibromo-3-chloropropane	ug/L	<2
1,2-Dibromoethane	ug/L	<1
1,2-Dichlorobenzene	ug/L	<1
1,2-Dichloroethane	ug/L	<0 5
1,2-Dichloropropane	ug/L	<1
1,3,5-Trimethylbenzene	ug/L	<1
1,3-Dichlorobenzene	ug/L	<1
1,3-Dichloropropane	ug/L	<0 4
1,4-Dichlorobenzene	ug/L	<0.5
1-Chlorohexane	ug/L	<1
2,2-Dichloropropane	ug/L	<1
2-Chlorotoluene	ug/L	<1
2-Hexanone	ug/L	<10
4-Chlorotoluene	ug/L	<1
Acetone	ug/L	<10
Benzene	ug/L	<0 4
Bromobenzene	ug/L	<1
Bromochloromethane	ug/L	<1
Bromodichloromethane	ug/L	<0 5
Bromoform	ug/L	<1
Bromomethane	ug/L	<1
Carbon disulfide	ug/L	<1
Carbon tetrachloride	ug/L	<1
Chlorobenzene	ug/L	<0 5
Chloroethane	ug/L	<1
Chloroform	ug/L	<0 3
Chloromethane	ug/L	<1
cis-1,2-Dichloroethene	ug/L	<1
cis-1,3-Dichloropropene	ug/L	<0 5
Dibromochloromethane	ug/L	<0 5
Dibromomethane	ug/L	<1
Dichlorodifluoromethane	ug/L	<1
Ethylbenzene	ug/L	<1
Hexachlorobutadiene	ug/L	<0 6
Isopropylbenzene	ug/L	<1
m-,p-Xylene	ug/L	<2
MEK (2-Butanone)	ug/L	<10
Methyl t-butyl ether (MTBE)	ug/L	<5
Methylene chloride	ug/L	<1
MIBK (methyl isobutyl ketone)	ug/L	<10
Naphthalene	ug/L	<1
n-Butylbenzene	ug/L	<1
n-Propylbenzene	ug/L	<1
o-Xylene	ug/L	<1
p-Isopropyltoluene	ug/L	<1
sec-Butylbenzene	ug/L	<1
Styrene	ug/L	<1
tert-Butylbenzene	ug/L	<1
Tetrachloroethene	ug/L	<1
Toluene	ug/L	<1
trans-1,2-Dichloroethene	ug/L	<1
trans-1,3-Dichloropropene	ug/L	<1
Trichloroethene	ug/L	<1
Trichlorofluoromethane	ug/L	<1
Vinyl acetate	ug/L	<5 Q
Vinyl chloride	ug/L	<1

Notes
< Not detected above Reporting Limit (RL)
Q One or more quality control criteria failed

TABLE E-9
TA-3 WASTE CHARACTERIZATION, SOIL ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Sample ID Lab ID Date Method	TA-3-WASTE-1 L0711127-01 11/5/2007	TA-3-WASTE 2 L0711310-01 11/9/2007	TA-3-WASTE-3 L0711355-01 11/12/2007	TA-3-WASTE-4 L0711355-02 11/12/2007	TA-3-WASTE-5 L0711355-03 11/12/2007	TA-3-WASTE-6 L0711355-04 11/12/2007	TA-3-WASTE-7 L0711355-05 11/12/2007	TA-3-WASTE-8 L0711355-06 11/12/2007	TA-3-WASTE-9 L0711355-07 11/12/2007
Volatile Organic Compounds (ug/L)	**8260B**									
1,1-Dichloroethene		<50	<50	<50	<50	<50	<50	<50	<50	<50
1,2-Dichloroethane		<50	<50	<50	<50	<50	<50	<50	<50	<50
Benzene		<50	<50	<50	<50	<50	<50	<50	<50	<50
Carbon tetrachloride		<50	<50	<50	<50	<50	<50	<50	<50	<50
Chlorobenzene		<50	<50	3 32 F	<50	<50	<50	<50	<50	<50
Chloroform		<50	<50	1 99 F	2 42 F	<50	<50	<50	<50	<50
Methyl Ethyl Ketone		<100	<100	<100	<100	<100	<100	<100	<100	<100
Tetrachloroethene		<50	<50	<50	5,48 F	<50	<50	<50	<50	<50
Trichloroethene		<50	<50	<50	11 F	3 31 F	<50	<50	<50	<50
Vinyl chloride		<100	<100	<100	<100	<100	<100	<100	<100	<100
Metals (ug/L)	**6010B**									
Arsenic, TCLP		<1	<1	<1	<1	<1	<1	<1	<1	<1
Barium, TCLP		1 24 F	2 25 F	0 577 F	1 6 F	1 53 F	2 32 F	1 22 F	1 59 F	1 05 F
Cadmium, TCLP		0 027 F	<0 1	<0 1	<0 1	<0 1	<0 1	<0 1	<0 1	<0 1
Chromium, TCLP		<0 2	<0 2	<0 2	<0 2	<0 2	<0 2	<0 2	<0 2	<0 2
Lead, TCLP		<1	<1	<1	<1	0 139 F	<1	<1	<1	<1
Selenium, TCLP		<0 8	<0 8	<0 8	<0 8	<0 8	<0 8	<0 8	<0 8	<0 8
Silver, TCLP		<0 1	<0 1	<0 1	<0 1	<0 1	<0 1	<0 1	<0 1	<0 1
Mercury, TCLP (ug/L)	**7470A**	<0 00601	<0 005	<0.005	<0 005	<0 005	<0 005	<0 005	<0 005	<0 005
Pesticides (ug/L)	**8081A**									
alpha Chlordane		<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
Chlordane		<10	<10	<10	<10	<10	<10	<10	<10	<10
Endrin		<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
gamma Chlordane		<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
Heptachlor		<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
Heptachlor Epoxide		<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
Lindane		<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
Methoxychlor		<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
Toxaphene		<10	<10	<10	<10	<10	<10	<10	<10	<10
Polychlorinated Biphenyls (mg/kg)	**8082**									
Aroclor-1016		<19 4	<16 4	<20 1	<196	<96 6	<98 7	<19 6	<193	<90 4
Aroclor-1221		<19 4	<16 4	<20 1	<196	<96 6	<98 7	<19 6	<193	<90 4
Aroclor-1232		<19 4	<16 4	<20 1	<196	<96 6	<98 7	<19 6	<193	<90 4
Aroclor-1242		<19 4	<16 4	<20 1	<196	<96 6	<98 7	<19 6	<193	<90 4
Aroclor-1248		<19 4	<16 4	<20 1	<196	<96 6	<98 7	<19 6	<193	<90 4
Aroclor-1254		<19 4	<16 4	<20 1	<196	<96 6	<98 7	<19 6	<193	<90 4
Aroclor-1260		<19 4	<16 4	<20 1	<196	<96 6	<98 7	<19 6	<193	307 J
Herbicides (ug/L)	**8151A**									
2,4,5-TP (Silvex)		<2	<2	<2	<2	<2	<2	<2	<2	<2
2,4-D		<20	<20	<20	<20	<20	<20	<20	<20	<20
Corrosivity pH	**9045C**	8 18	8 42	8.1	7 86	8 05	7 98	7 64	8 31	7 67
Paint Filter Liquid Test	**9095**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Reactivity, Cyanide (mg/Kg)	**SW7 33**	<9 92	<9 99	<9 97	<9 96	<9.99	<9 89	<9 84	<9 97	<9 96
Reactivity, Sulfide (mg/Kg)	**SW7.34**	<100	<100	127	<100	95 3 F	62 9 F	<100	63 4 F	169
Ignitability (Degrees C)	**1010**	85	88	85	93	94	90	74	92	90

Notes
F Estimate -result >MDL and <RL
J Estimated Result
< Result is less than laboratory detection limit
ND Not Detected (No Reporting Limit)

10001305

TABLE E-10
TA-3 INITIAL EXCAVATION, SOIL ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID	TA-3-01	TA-3-06	TA-3-10	TA-3-12	TA-3-13	TA-3-16	TA-3-17	TA-3-27
	Lab ID	L08010301-16	L08010301-06	L08010301-14	L08010301-09	L08010301-08	L08010301-03	L08010301-15	L08010301-13
	Date	1/14/2008	1/14/2008	1/14/2008	1/14/2008	1/14/2008	1/14/2008	1/14/2008	1/14/2008
Method	Units								
Volatile Organic Compounds (8260B)									
1,1,1,2-Tetrachloroethane	mg/kg	<0 00297	<0 00309	<0 00318	<0 00512	<0 00408	<0 00609	<0 00327	<0 00416
1,1,1-Trichloroethane	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
1,1,2,2-Tetrachloroethane	mg/kg	<0 00297	<0 00309	<0 00318	<0 00512	<0 00408	<0 00609	<0 00327	<0 00416
1,1,2-Trichloroethane	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
1,1-Dichloroethane	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
1,1-Dichloroethene	mg/kg	<0 00593	<0 00619	<0 00637	<0 0102	<0 00816	<0 0122	<0 00654	<0 00832
1,1-Dichloropropene	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
1,2,3-Trichlorobenzene	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
1,2,3-Trichloropropane	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
1,2,4-Trichlorobenzene	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
1,2,4-Trimethylbenzene	mg/kg	0 000714 F	<0 00619	<0 00637	107 J	0 0198	<0 0122	0 000797 F	<0 00832
1,2-Dibromo-3-chloropropane	mg/kg	<0 00989	<0 0103	<0 0106	<0 0171	<0 0136	<0 0203	<0 0109	<0 0139
1,2-Dibromoethane	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
1,2-Dichlorobenzene	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
1,2-Dichloroethane	mg/kg	<0 00297	<0 00309	<0 00318	<0 00512	<0 00408	<0 00609	<0 00327	<0 00416
1,2-Dichloropropane	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
1,3,5-Trimethylbenzene	mg/kg	<0 00494	<0 00516	<0 0053	58 8 J	0 00858	<0 0102	<0 00545	<0 00694
1,3-Dichlorobenzene	mg/kg	<0 00593	<0 00619	<0 00637	<0 0102	<0 00816	<0 0122	<0 00654	<0 00832
1,3-Dichloropropane	mg/kg	<0 00198	<0 00206	<0 00212	<0 00341	<0 00272	<0 00406	<0 00218	<0 00277
1,4-Dichlorobenzene	mg/kg	<0 00198	<0 00206	<0 00212	<0 00341	<0 00272	<0 00406	<0 00218	<0 00277
1-Chlorohexane	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
2,2-Dichloropropane	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
2-Chlorotoluene	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
2-Hexanone	mg/kg	<0 0198	<0 0206	<0 0212	<0 0341	<0 0272	<0 0406	<0 0218	<0 0277
4-Chlorotoluene	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
Acetone	mg/kg	<0 0198	<0 0206	0 019 F	8 35 J	0 0254 F	0 0265 F	<0 0218	<0 0277
Benzene	mg/kg	<0 00198	<0 00206	<0 00212	0 484 J	<0 00272	<0 00406	<0 00218	<0 00277
Bromobenzene	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
Bromochloromethane	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
Bromodichloromethane	mg/kg	<0 00198	<0 00206	<0 00212	<0 00341	<0 00272	<0 00406	<0 00218	<0 00277
Bromoform	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
Bromomethane	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
Carbon disulfide	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
Carbon tetrachloride	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
Chlorobenzene	mg/kg	<0 00198	<0 00206	<0 00212	<0 00341	<0 00272	<0 00406	<0 00218	<0 00277
Chloroethane	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
Chloroform	mg/kg	<0 00198	<0 00206	<0 00212	<0 00341	<0 00272	0 00122 F	<0 00218	<0 00277
Chloromethane	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
cis-1,2-Dichloroethene	mg/kg	<0 00494	0 0191	<0 0053	0 00237 F	0 0023 F	<0 0102	<0 00545	<0 00694
cis-1,3-Dichloropropene	mg/kg	<0 00297	<0 00309	<0 00318	<0 00512	<0 00408	<0 00609	<0 00327	<0 00416
Dibromochloromethane	mg/kg	<0 00297	<0 00309	<0 00318	<0 00512	<0 00408	<0 00609	<0 00327	<0 00416
Dibromomethane	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
Dichlorodifluoromethane	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
Ethylbenzene	mg/kg	<0 00494	<0 00516	<0 0053	4 43 J	<0 0068	<0 0102	<0 00545	<0 00694
Hexachlorobutadiene	mg/kg	<0 00297	<0 00309	<0 00318	<0 00512	<0 00408	<0 00609	<0 00327	<0 00416
Isopropylbenzene	mg/kg	<0 00494	<0 00516	<0 0053	5 79 J	0 00103 F	<0 0102	<0 00545	<0 00694
m-,p-Xylene	mg/kg	0 000714 F	<0 00516	<0 0053	24 7 J	0 00302 F	0 00135 F	0 000836 F	<0 00694
MEK (2-Butanone)	mg/kg	<0 0198	<0 0206	0 00313 F	<0 0341	<0 0272	<0 0406	<0 0218	<0 0277
Methyl t-butyl ether (MTBE)	mg/kg	<0 0198	<0 0206	<0 0212	<0 0341	<0 0272	<0 0406	<0 0218	<0 0277
Methylene chloride	mg/kg	<0 00494	<0 00516	0 00127 F	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
MIBK (methyl isobutyl ketone)	mg/kg	<0 0198	<0 0206	<0 0212	<0 0341	<0 0272	<0 0406	<0 0218	<0 0277
Naphthalene	mg/kg	0 00064 F	0 000849 F	<0 0053	16 2 J	0 00488 F	0 00146 F	0 000811 F	0 00103 F
n-Butylbenzene	mg/kg	<0 00494	<0 00516	<0 0053	18 2 J	0 00284 F	<0 0102	<0 00545	<0 00694
n-Propylbenzene	mg/kg	<0 00494	<0 00516	<0 0053	12 7 J	0 00203 F	<0 0102	<0 00545	<0 00694
o-Xylene	mg/kg	<0 00494	<0 00516	<0 0053	14 J	0 00201 F	<0 0102	<0 00545	<0 00694
p-Isopropyltoluene	mg/kg	<0 00593	<0 00619	<0 00637	14 9 J	0 00437 F	<0 0122	0 00108 F	<0 00832
sec-Butylbenzene	mg/kg	<0 00494	<0 00516	<0 0053	9 18 J	0 00171 F	<0 0102	<0 00545	<0 00694
Styrene	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
tert-Butylbenzene	mg/kg	<0 00494	<0 00516	<0 0053	1 77 J	<0 0068	<0 0102	<0 00545	<0 00694
Tetrachloroethene	mg/kg	<0 00494	0 000517 F	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
Toluene	mg/kg	<0 00494	<0 00516	<0 0053	2 55 J	<0 0068	<0 0102	<0 00545	<0 00694
Total Xylenes	mg/kg	0 000714 F	<0 00516	<0 0053	24 9 J	0 00503 F	0 00135 F	0 000836 F	<0 00694
trans-1,2-Dichloroethene	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
trans-1,3-Dichloropropene	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
Trichloroethene	mg/kg	<0 00494	0 0126	<0 0053	<0 00853	<0 0068	0 00506 F	<0 00545	<0 00694
Trichlorofluoromethane	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694
Vinyl acetate	mg/kg	<0 00989	<0 0103	<0 0106	<0 0171	<0 0136	<0 0203	<0 0109	<0 0139
Vinyl chloride	mg/kg	<0 00494	<0 00516	<0 0053	<0 00853	<0 0068	<0 0102	<0 00545	<0 00694

Notes
B Analyte Found in Method Blank
F Estimated result >MDL and < RL
J Estimated Result
M Concentration estimated due to matrix effect
Q QC criteria failed,qualification required
< Result is less than reporting limit

TABLE E-10
TA-3 INITIAL EXCAVATION, SOIL ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Method	Sample ID / Lab ID / Date / Units	TA-3-27 DUP L08010301-18 1/14/2008	TA-3-35 L08010301-07 1/14/2008	TA-3-38 L08010301-02 1/14/2008	TA-3-42 L08010301-05 1/14/2008	TA-3-42 DUP L08010301-17 1/14/2008	TA-3-49 L08010301-01 1/14/2008	TA-3-50 L08010301-10 1/14/2008	TA-3-53 L08010301-04 1/14/2008
Volatile Organic Compounds (8260B)									
1,1,1,2-Tetrachloroethane	mg/kg	<0 00411	<0 00369	<0 00297	<0 00458	<0 00452	<0 00365	<0 00263	<0 00231
1,1,1-Trichloroethane	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
1,1,2,2-Tetrachloroethane	mg/kg	<0 00411	<0 00369	<0 00297	<0 00458	<0 00452	<0 00365	<0 00263	<0 00231
1,1,2-Trichloroethane	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
1,1-Dichloroethane	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
1,1-Dichloroethene	mg/kg	<0 00822	<0 00738	<0 00594	<0 00916	<0 00904	<0 0073	<0 00526	<0 00463
1,1-Dichloropropene	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
1,2,3-Trichlorobenzene	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
1,2,3-Trichloropropane	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
1,2,4-Trichlorobenzene	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
1,2,4-Trimethylbenzene	mg/kg	<0 00822	0 0123	0 00263 F	0 0384	0 202 F	0 00569 F	<0 00526	<0 00463
1,2-Dibromo-3-chloropropane	mg/kg	<0 0137	<0 0123	<0 0099	<0 0153	<0 0151	<0 0122	<0 00877	<0 00771
1,2-Dibromoethane	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
1,2-Dichlorobenzene	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
1,2-Dichloroethane	mg/kg	<0 00411	<0 00369	<0 00297	<0 00458	<0 00452	<0 00365	<0 00263	<0 00231
1,2-Dichloropropane	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
1,3,5-Trimethylbenzene	mg/kg	<0 00685	0 00602 F	0 00648	0 0168	0 142 J	0 0139	<0 00438	<0 00385
1,3-Dichlorobenzene	mg/kg	<0 00822	<0 00738	<0 00594	<0 00916	<0 00904	<0 0073	<0 00526	<0 00463
1,3-Dichloropropane	mg/kg	<0 00274	<0 00246	<0 00198	<0 00305	<0 00301	<0 00243	<0 00175	<0 00154
1,4-Dichlorobenzene	mg/kg	<0 00274	<0 00246	<0 00198	<0 00305	<0 00301	<0 00243	<0 00175	<0 00154
1-Chlorohexane	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
2,2-Dichloropropane	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
2-Chlorotoluene	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
2-Hexanone	mg/kg	<0 0274	<0 0246	<0 0198	<0 0305	<0 0301	<0 0243	<0 0175	<0 0154
4-Chlorotoluene	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
Acetone	mg/kg	<0 0274	0 0355	<0 0198	0 0472	0 0357 J	0 00841 F	<0 0175	<0 0154
Benzene	mg/kg	<0 00274	<0 00246	0 000865 F	<0 00305	<0 00301	<0 00243	<0 00175	<0 00154
Bromobenzene	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
Bromochloromethane	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
Bromodichloromethane	mg/kg	<0 00274	<0 00246	<0 00198	<0 00305	<0 00301	<0 00243	<0 00175	<0 00154
Bromoform	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
Bromomethane	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
Carbon disulfide	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
Carbon tetrachloride	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
Chlorobenzene	mg/kg	<0 00274	<0 00246	<0 00198	<0 00305	<0 00301	<0 00243	<0 00175	<0 00154
Chloroethane	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
Chloroform	mg/kg	<0 00274	<0 00246	0 00138 F	<0 00305	<0 00301	<0 00243	<0 00175	<0 00154
Chloromethane	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
cis-1,2-Dichloroethene	mg/kg	<0 00685	0 00479 F	0 00402 F	0 00259 F	0 0123 J	<0 00608	<0 00438	<0 00385
cis-1,3-Dichloropropene	mg/kg	<0 00411	<0 00369	<0 00297	<0 00458	<0 00452	<0 00365	<0 00263	<0 00231
Dibromochloromethane	mg/kg	<0 00411	<0 00369	<0 00297	<0 00458	<0 00452	<0 00365	<0 00263	<0 00231
Dibromomethane	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
Dichlorodifluoromethane	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
Ethylbenzene	mg/kg	<0 00685	<0 00615	<0 00495	0 00208 F	0 0139 J	0 00065 F	<0 00438	<0 00385
Hexachlorobutadiene	mg/kg	<0 00411	<0 00369	<0 00297	<0 00458	<0 00452	<0 00365	<0 00263	<0 00231
Isopropylbenzene	mg/kg	<0 00685	0 00105 F	<0 00495	0 00253 F	0 0188 J	<0 00608	<0 00438	<0 00385
m-,p-Xylene	mg/kg	<0 00685	0 00221 F	0 00115 F	0 00937	0 0684 J	0 00134 F	<0 00438	<0 00385
MEK (2-Butanone)	mg/kg	<0 0274	0 00645 F	<0 0198	0 00627 F	0 00619 F	<0 0243	<0 0175	<0 0154
Methyl t-butyl ether (MTBE)	mg/kg	<0 0274	<0 0246	<0 0198	<0 0305	<0 0301	<0 0243	<0 0175	<0 0154
Methylene chloride	mg/kg	0 00162 F	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
MIBK (methyl isobutyl ketone)	mg/kg	<0 0274	<0 0246	<0 0198	<0 0305	<0 0301	<0 0243	<0 0175	<0 0154
Naphthalene	mg/kg	<0 00685	0 00314 F	0 0015 F	0 0443	0 289 J	0 00349 F	0 0294 M	0 0177
n-Butylbenzene	mg/kg	<0 00685	0 00181 F	0 00188 F	0 00434 F	0 0343 J	0 00369 F	<0 00438	<0 00385
n-Propylbenzene	mg/kg	<0 00685	0 00127 F	0 000632 F	0 00389 F	0 0429 J	0 00119 F	<0 00438	<0 00385
o-Xylene	mg/kg	<0 00685	0 00103 F	0 000899 F	0 00431 F	0 0284 J	0 00142 F	<0 00438	<0 00385
p-Isopropyltoluene	mg/kg	<0 00822	0 00346 F	0 002 F	0 00433 F	0 0407 J	0 00425 F	<0 00526	<0 00463
sec-Butylbenzene	mg/kg	<0 00685	0 00131 F	0 000594 F	0 00248 F	0 0251 J	0 00128 F	<0 00438	<0 00385
Styrene	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
tert-Butylbenzene	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	0 00688 F	0 000716 F	<0 00438	<0 00385
Tetrachloroethene	mg/kg	<0 00685	<0 00615	0 00571	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
Toluene	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	0 0019 F	<0 00608	<0 00438	<0 00385
Total Xylenes	mg/kg	<0 00685	0 00324 F	0 00205 F	0 0137	0 0968 J	0 00276 F	<0 00438	<0 00385
trans-1,2-Dichloroethene	mg/kg	<0 00685	0 00209 F	<0 00495	<0 00763	0 00995 J	<0 00608	<0 00438	<0 00385
trans-1,3-Dichloropropene	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
Trichloroethene	mg/kg	<0 00685	<0 00615	0 0189	<0 00763	0 00325 F	<0 00608	<0 00438	<0 00385
Trichlorofluoromethane	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	<0 00754	<0 00608	<0 00438	<0 00385
Vinyl acetate	mg/kg	<0 0137	<0 0123	<0 0099	<0 0153	<0 0151	<0 0122	<0 00877	<0 00771
Vinyl chloride	mg/kg	<0 00685	<0 00615	<0 00495	<0 00763	0 00255 F	<0 00608	<0 00438	<0 00385

Notes
B Analyte Found in Method Blank
F Estimated result >MDL and < RL
J Estimated Result
M Concentration estimated due to matrix effect
Q QC criteria failed,qualification required
< Result is less than reporting limit

TABLE E-10
TA-3 INITIAL EXCAVATION, SOIL ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Method	Sample ID / Lab ID / Date / Units	TA-3-01 L08010301-16 1/14/2008	TA-3-06 L08010301-06 1/14/2008	TA-3-10 L08010301-14 1/14/2008	TA-3-12 L08010301-09 1/14/2008	TA-3-13 L08010301-08 1/14/2008	TA-3-16 L08010301-03 1/14/2008	TA-3-17 L08010301-15 1/14/2008	TA-3-27 L08010301-13 1/14/2008
Semi-Volatile Organic Compounds (8270C)									
1,2,4-Trichlorobenzene	mg/kg	<16 4	<17 3	<0 864	<110	<9 14	<9 01	<0 845	<19 8
1,2-Dichlorobenzene	mg/kg	<16 4	<17 3	<0 864	<110	<9 14	<9 01	<0 845	<19 8
1,3-Dichlorobenzene	mg/kg	<16 4	<17 3	<0 864	<110	<9 14	<9 01	<0 845	<19 8
1,4-Dichlorobenzene	mg/kg	<16 4	<17 3	<0 864	<110	<9 14	<9 01	<0 845	<19 8
2,4,5-Trichlorophenol	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
2,4,6-Trichlorophenol	mg/kg	<7 01	<7 43	<0 37	<47 1	<3 92	<3 86	<0 362	<8 49
2,4-Dichlorophenol	mg/kg	<7 01	<7 43	<0 37	<47 1	<3 92	<3 86	<0 362	<8 49
2,4-Dimethylphenol	mg/kg	<7 01	<7 43	<0 37	<47 1	<3 92	<3 86	<0 362	<8 49
2,4-Dinitrophenol	mg/kg	<37 4	<39 6	<1 97	<251	<20 9	<20 6	<1 93	<45 3
2,4-Dinitrotoluene	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
2,6-Dinitrotoluene	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
2-Chloronaphthalene	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
2-Chlorophenol	mg/kg	<7 01	<7 43	<0 37	<47 1	<3 92	<3 86	<0 362	<8 49
2-Methylnaphthalene	mg/kg	<7 71	<8 17	<0 407	27 6 F	<4 31	<4 25	<0 399	<9 33
2-Methylphenol	mg/kg	<7 01	<7 43	<0 37	<47 1	<3 92	<3 86	<0 362	<8 49
2-Nitroaniline	mg/kg	<37 4	<39 6	<1 97	<251	<20 9	<20 6	<1 93	<45 3
2-Nitrophenol	mg/kg	<7 01	<7 43	<0 37	<47.1	<3 92	<3 86	<0 362	<8 49
3,3'-Dichlorobenzidine	mg/kg	<30 4	<32 2	<1 6	<204	<17	<16 7	<1 57	<36 8
3-,4-Methylphenol	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
3-Nitroaniline	mg/kg	<37 4	<39 6	<1 97	<251	<20 9	<20 6	<1 93	<45 3
4,6-Dinitro-2-methylphenol	mg/kg	<37 4	<39 6	<1 97	<251	<20 9	<20 6	<1 93	<45 3
4-Bromophenyl-phenylether	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
4-Chloro-3-methylphenol	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
4-Chloroaniline	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
4-Chlorophenyl-phenyl ether	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
4-Nitroaniline	mg/kg	<37 4	<39 6	<1 97	<251	<20 9	<20 6	<1 93	<45 3
4-Nitrophenol	mg/kg	<37 4	<39 6	<1 97	<251	<20 9	<20 6	<1 93	<45 3
Acenaphthene	mg/kg	5 12	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
Acenaphthylene	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
Anthracene	mg/kg	8 69	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
Benzo(a)anthracene	mg/kg	26	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
Benzo(a)pyrene	mg/kg	23 3	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
Benzo(b)fluoranthene	mg/kg	28 2	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
Benzo(g,h,i)Perylene	mg/kg	9 15	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
Benzo(k)fluoranthene	mg/kg	25	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
Benzoic acid	mg/kg	<117	<124	<6 17	<785	<65 3	<64 4	<6 04	<141
Benzyl alcohol	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
Bis(2-Chloroethoxy)Methane	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
Bis(2-Chloroethyl)ether	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
bis(2-Chloroisopropyl)ether	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
bis(2-Ethylhexyl)phthalate	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
Butylbenzylphthalate	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
Chrysene	mg/kg	27 8	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
Dibenzo(a,h)Anthracene	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
Dibenzofuran	mg/kg	2 37 F	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
Diethylphthalate	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
Dimethylphthalate	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
Di-N-Butylphthalate	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	0 136 F	<9 33
Di-n-octylphthalate	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
Fluoranthene	mg/kg	62 1	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
Fluorene	mg/kg	3 97	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
Hexachlorobenzene	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9,33
Hexachlorobutadiene	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
Hexachlorocyclopentadiene	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
Hexachloroethane	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
Indeno(1,2,3-cd)pyrene	mg/kg	10 2	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
Isophorone	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
Naphthalene	mg/kg	<7 71	<8 17	<0 407	110	<4 31	<4 25	<0 399	<9 33
Nitrobenzene	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
N-Nitroso-di-n-propylamine	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
N-Nitrosodiphenylamine	mg/kg	<7 71	<8 17	<0 407	<51 8	<4 31	<4 25	<0 399	<9 33
Pentachlorophenol	mg/kg	<77 1	<81 7	<4 07	<518	<43 1	<42 5	<3 99	<93 3
Phenanthrene	mg/kg	45 7	<8 17	<0 407	<51 8	<4 31	<4,25	<0 399	<9 33
Phenol	mg/kg	<7 01	<7 43	<0 37	<47 1	<3 92	<3 86	<0 362	<8 49
Pyrene	mg/kg	50 1	<17 3	<0 864	<110	<9 14	<9 01	<0 845	<19 8

Notes
B Analyte Found in Method Blank
F Estimated result >MDL and < RL
J Estimated Result
M Concentration estimated due to matrix effect
Q QC criteria failed,qualification required
< Result is less than reporting limit

TABLE E-10
TA-3 INITIAL EXCAVATION, SOIL ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID	TA-3-27 DUP	TA-3-35	TA-3-38	TA-3-42	TA-3-42 DUP	TA-3-49	TA-3-50	TA-3-53
	Lab ID	L08010301-16	L08010301-07	L08010301-02	L08010301-05	L08010301-17	L08010301-01	L08010301-10	L08010301-04
	Date	1/14/2008	1/14/2008	1/14/2008	1/14/2008	1/14/2008	1/14/2008	1/14/2008	1/14/2008
Method	Units								
Semi-Volatile Organic Compounds (8270C)									
1,2,4-Trichlorobenzene	mg/kg	<17 7	<17 6	<16 6	<18	<21	<16 7	<15 2	<29 3
1,2-Dichlorobenzene	mg/kg	<17 7	<17 6	<16 6	<18	<21	<16 7	<15 2	<29 3
1,3-Dichlorobenzene	mg/kg	<17 7	<17 6	<16 6	<18	<21	<16 7	<15 2	<29 3
1,4-Dichlorobenzene	mg/kg	<17 7	<17 6	<16 6	<18	<21	<16 7	<15 2	<29 3
2,4,5-Trichlorophenol	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
2,4,6-Trichlorophenol	mg/kg	<7 59	<7 53	<7 12	<7 72	<8 99	<7.14	<6 52	<12 5
2,4-Dichlorophenol	mg/kg	<7 59	<7 53	<7 12	<7 72	<8 99	<7 14	<6 52	<12 5
2,4-Dimethylphenol	mg/kg	<7 59	<7 53	<7 12	<7 72	<8 99	<7 14	<6 52	<12 5
2,4-Dinitrophenol	mg/kg	<40 5	<40 2	<38	<41 2	<47 9	<38 1	<34 8	<66 9
2,4-Dinitrotoluene	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
2,6-Dinitrotoluene	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
2-Chloronaphthalene	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
2-Chlorophenol	mg/kg	<7 59	<7 53	<7 12	<7 72	<8 99	<7 14	<6 52	<12 5
2-Methylnaphthalene	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	4 62 M	6 88 Q
2-Methylphenol	mg/kg	<7 59	<7 53	<7 12	<7 72	<8 99	<7 14	<6 52	<12 5
2-Nitroaniline	mg/kg	<40 5	<40 2	<38	<41 2	<47 9	<38 1	<34 8	<66 9
2-Nitrophenol	mg/kg	<7 59	<7 53	<7 12	<7 72	<8 99	<7 14	<6 52	<12 5
3,3'-Dichlorobenzidine	mg/kg	<32 9	<32 6	<30 8	<33 4	<38 9	<30 9	<28 3	<54.3
3-,4-Methylphenol	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
3-Nitroaniline	mg/kg	<40 5	<40 2	<38	<41 2	<47 9	<38 1	<34 8	<66 9
4,6-Dinitro-2-methylphenol	mg/kg	<40 5	<40 2	<38	<41 2	<47 9	<38 1	<34 8	<66 9
4-Bromophenyl-phenylether	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
4-Chloro-3-methylphenol	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
4-Chloroaniline	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
4-Chlorophenyl-phenyl ether	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
4-Nitroaniline	mg/kg	<40 5	<40 2	<38	<41 2	<47 9	<38 1	<34 8	<66 9
4-Nitrophenol	mg/kg	<40 5	<40 2	<38	<41 2	<47 9	<38 1	<34 8	<66 9
Acenaphthene	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	14	31 6 M	62 3 Q
Acenaphthylene	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
Anthracene	mg/kg	<8 35	<8 28	3 37	3 17	3 62 F	22 4	48 M	98 Q
Benzo(a)anthracene	mg/kg	<8 35	3 95 F	7 48	6 55	7 73 F	52 5	114 M	160
Benzo(a)pyrene	mg/kg	<8 35	3 58 F	6 63	5 78	7 02 F	47 9	108 M	240 Q
Benzo(b)fluoranthene	mg/kg	<8 35	3 9 F	7 12	5 75	7 99 F	53 3	163	196
Benzo(g,h,i)Perylene	mg/kg	<8 35	<8 28	3 6	2 61	<9 88	25	43 7 M	113 Q
Benzo(k)fluoranthene	mg/kg	<8 35	3 7 F	6 5	5 68	8 06 F	44	106 M	233 Q
Benzoic acid	mg/kg	<127	<126	<119	<129	<150	<119	<109	<209
Benzyl alcohol	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
Bis(2-Chloroethoxy)Methane	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
Bis(2-Chloroethyl)ether	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
bis(2-Chloroisopropyl)ether	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
bis(2-Ethylhexyl)phthalate	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
Butylbenzylphthalate	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
Chrysene	mg/kg	<8 35	4 37 F	8 1	7 03	8 67 F	56	124 M	172
Dibenzo(a,h)Anthracene	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
Dibenzofuran	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	6 58 F	17 7 M	30 8 Q
Diethylphthalate	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
Dimethylphthalate	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
Di-N-Butylphthalate	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
Di-n-octylphthalate	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
Fluoranthene	mg/kg	<8 35	11	22	19 4	22 4	118	379	425
Fluorene	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	11 3	29 3 M	49 1 Q
Hexachlorobenzene	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
Hexachlorobutadiene	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
Hexachlorocyclopentadiene	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
Hexachloroethane	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
Indeno(1,2,3-cd)pyrene	mg/kg	<8 35	<8 28	3 72	2 82	2 55 F	26 9	47 5 M	125 Q
Isophorone	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
Naphthalene	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	2 98 F	8 14 M	12 2 Q
Nitrobenzene	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
N-Nitroso-di-n-propylamine	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
N-Nitrosodiphenylamine	mg/kg	<8 35	<8 28	<7 83	<8 49	<9 88	<7 85	<7 17	<13 8
Pentachlorophenol	mg/kg	<83 5	<82 8	<78 3	<84 9	<98 8	<78 5	<71 7	<138
Phenanthrene	mg/kg	<8 35	7 45 F	16 9	16 2	18 6	97 4	317	320
Phenol	mg/kg	<7 59	<7 53	<7 12	<7 72	<8 99	<7 14	<6 52	<12 5
Pyrene	mg/kg	<17 7	8 28 F	16	14 4	17 5 F	96 1	315	351

Notes
B Analyte Found in Method Blank
F Estimated result >MDL and < RL
J Estimated Result
M Concentration estimated due to matrix effect
Q QC criteria failed,qualification required
< Result is less than reporting limit

TABLE E-10
TA-3 INITIAL EXCAVATION, SOIL ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Method	Sample ID / Lab ID / Date / Units	TA-3-01 L08010301-16 1/14/2008	TA-3-06 L08010301-06 1/14/2008	TA-3-10 L08010301-14 1/14/2008	TA-3-12 L08010301-09 1/14/2008	TA-3-13 L08010301-08 1/14/2008	TA-3-16 L08010301-03 1/14/2008	TA-3-17 L08010301-15 1/14/2008	TA-3-27 L08010301-13 1/14/2008
Metals (6010B)									
Aluminum, Total	mg/kg	33100	13700	12700	8650	14100	13400	14700	18900
Barium, Total	mg/kg	100	390	84 4	440	192	249	108	183
Beryllium, Total	mg/kg	0 663	0 399 F	0 585	0 448 F	0 479	0 47	0 572	0 39 F
Cadmium, Total	mg/kg	0 113 F	4 19	0 133 F	1 21	0 259 F	0 924	0 124 F	1 05
Calcium, Total	mg/kg	10900	40100	1740	3400	2590	8940	1890	60400
Chromium, Total	mg/kg	40 6	52 3	13 9	22 6	15 8	20 9	15 9	20 2
Cobalt, Total	mg/kg	3 67	5 39	5 37	28 3	6 83	6 72	7 97	5 29
Copper, Total	mg/kg	20 6	500	17 4	53 9	18 6	66 7	18 6	56 3
Iron, Total	mg/kg	18100	49600	18000	108000	17500	22100	21200	23600
Magnesium, Total	mg/kg	3150	2610	1930	280	1720	1730	2220	2340
Manganese, Total	mg/kg	407	294	483	97	301	245	842	447
Nickel, Total	mg/kg	8 9	19 8	14 3	15 4	14 4	15 5	16 2	14 8
Potassium, Total	mg/kg	923	1120	1040	331	1130	1190	1320	1080
Silver, Total	mg/kg	0 77 F	0 667 F	0 392 F	1 63 F	0 337 F	0 52 F	0 528 F	0 449 F
Sodium, Total	mg/kg	104	79 8	54 4	81 8	116	65 7	65	65
Vanadium, Total	mg/kg	40	26 1	26 2	26 2	26	27 3	30 1	28 2
Zinc, Total	mg/kg	86 5	459	50 2	25500	200	295	62 1	457
Metals (6020)									
Antimony, Total	mg/kg	0 0879 F	0 285	<0 119	<0 135	<0 13	0 111 F	<0 123	<0 128
Arsenic, Total	mg/kg	8 51	7 1	9 37	7 47	5 36	15 7	8 47	10 6
Lead, Total	mg/kg	85 8	724 B	16 B	567 B	63 B	265 B	15 6 B	38 3 B
Selenium, Total	mg/kg	<0 238	0 248 F	0 292	0 609	0 201 F	0 313	0 242 F	0 275
Thallium, Total	mg/kg	0 231	0 194	0 253	0 115	0 151	0 205	0 255	0 204
Mercury, Total (7471)	mg/kg	0 064 F	0 113 F	0 0478 F	0 0487 F	0 0317 F	0 0857 F	0 0349 F	0 034 F
Pesticides (8081A)									
4,4'-DDD	mg/kg	<385	<207	<20	<4440	<215	<210	<19 7	<1060
4 4'-DDE	mg/kg	<385	<207	<20	<4440	<215	<210	<19 7	523 F
4,4'-DDT	mg/kg	<385	<207	<20	<4440	<215	<210	<19 7	<1060
Aldrin	mg/kg	<385	<207	<20	<4440	<215	<210	<19 7	<1060
alpha Chlordane	mg/kg	195 F	<207	<20	<4440	<215	<210	<19 7	<1060
alpha-BHC	mg/kg	<385	<207	<20	<4440	<215	<210	<19 7	<1060
beta-BHC	mg/kg	<385	<207	<20	<4440	<215	<210	<19 7	<1060
delta-BHC	mg/kg	<385	<207	<20	<4440	<215	<210	<19 7	<1060
Dieldrin	mg/kg	<385	<207	<20	<4440	<215	<210	<19 7	<1060
Endosulfan I	mg/kg	<385	<207	<20	<4440	<215	<210	<19 7	<1060
Endosulfan II	mg/kg	<385	<207	<20	<4440	<215	<210	<19.7	<1060
Endosulfan sulfate	mg/kg	<385	<207	<20	<4440	<215	<210	<19 7	<1060
Endrin	mg/kg	<385	<207	<20	<4440	<215	<210	<19 7	<1060
Endrin aldehyde	mg/kg	<385	<207	<20	<4440	<215	<210	<19 7	<1060
Endrin ketone	mg/kg	<385	<207	<20	<4440	<215	<210	<19.7	<1060
gamma Chlordane	mg/kg	<385	<207	<20	<4440	<215	<210	<19 7	<1060
gamma-BHC (Lindane)	mg/kg	<385	<207	<20	<4440	<215	<210	<19 7	<1060
Heptachlor	mg/kg	<385	<207	<20	<4440	<215	<210	<19 7	<1060
Heptachlor epoxide	mg/kg	<385	<207	<20	<4440	<215	<210	<19 7	<1060
Methoxychlor	mg/kg	<385	<207	<20	<4440	<215	<210	<19 7	<1060
Toxaphene	mg/kg	<7700	<4130	<399	<88700	<4300	<4200	<394	<21200
Polychlorinated Biphenyls (8082)									
Aroclor-1016	mg/kg	<19 3	<20 7	<20	<111	<21 5	<21	<19 7	<21 2
Aroclor-1221	mg/kg	<19 3	<20 7	<20	<111	<21 5	<21	<19 7	<21 2
Aroclor-1232	mg/kg	<19 3	<20 7	<20	<111	<21 5	<21	<19 7	<21 2
Aroclor-1242	mg/kg	<19 3	<20 7	<20	<111	<21 5	<21	<19 7	<21 2
Aroclor-1248	mg/kg	<19 3	<20 7	<20	<111	<21 5	<21	<19 7	<21 2
Aroclor-1254	mg/kg	<19 3	<20 7	<20	<111	<21 5	<21	<19 7	<21 2
Aroclor-1260	mg/kg	<19 3	<20 7	<20	<111	<21 5	<21	<19 7	<21 2
Herbicides (8151A)									
2,4,5-T	mg/kg	<234	<1020	<4 78	<1180	<259	<101	<4 8	<518
2,4,5-TP (Silvex)	mg/kg	<175	<762	<3 58	<888	<194	<75 8	<3 6	<389
2 4-D	mg/kg	<2340	<10200	<47 8	<11800	<2590	<1010	<48	<5180
2,4-DB	mg/kg	<2340	<10200	<47 8	<11800	<2590	<1010	<48	<5180
Dalapon	mg/kg	<5850	<25400	<119	<29600	<6480	<2530	<120	<13000
Dicamba	mg/kg	<234	<1020	<4 78	<1180	<259	<101	<4 8	<518
Dichloroprop	mg/kg	<2340	<10200	<47 8	<11800	<2590	<1010	<48	<5180
Dinoseb	mg/kg	<1170	<5080	<23 9	<5920	<1300	<505	<24	<2590
MCPA	mg/kg	<234000	<1020000	<4780	<1180000	<259000	<101000	<4800	<518000
MCPP	mg/kg	<234000	<1020000	<4780	<1180000	<259000	<101000	<4800	<518000
Pentachlorophenol	mg/kg	<234	<1020	<4 78	<1180	<259	<101	<4 8	<518

Notes
B Analyte Found in Method Blank
F, Estimated result >MDL and < RL
J Estimated Result
M Concentration estimated due to matrix effect
Q QC criteria failed,qualification required
< Result is less than reporting limit

TABLE E-10
TA-3 INITIAL EXCAVATION, SOIL ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Method	Sample ID Lab ID Date Units	TA-3-27 DUP L08010301-18 1/14/2008	TA-3-35 L08010301-07 1/14/2008	TA-3-38 L08010301-02 1/14/2008	TA-3-42 L08010301-05 1/14/2008	TA-3-42 DUP L08010301-17 1/14/2008	TA-3-49 L08010301-01 1/14/2008	TA-3-50 L08010301-10 1/14/2008	TA-3-53 L08010301-04 1/14/2008
Metals (6010B)									
Aluminum, Total	mg/kg	5410	11100	9510	8810	28100	12700	15900	4810
Barium, Total	mg/kg	3000	241	235	137	126	678	115	28 9
Beryllium, Total	mg/kg	0 171 F	0 391 F	0 339 F	0 394 F	0 273 F	0 424 F	0 442	0 395
Cadmium, Total	mg/kg	3 1	0 547	1 91	0 159 F	0 0616 F	1 2	0 0853 F	0 207 F
Calcium, Total	mg/kg	156000	9270	23400	2010	2030	29400	2810	9720
Chromium, Total	mg/kg	19 7	18 3	25 6	11 8	35 6	32 8	14 7	14 9
Cobalt, Total	mg/kg	2 64	8 63	4 49	5 53	3 85	4 96	7 2	3 87
Copper, Total	mg/kg	73 1	45 3	173	11 3	10 5	38 7	13 7	5
Iron, Total	mg/kg	13800	22400	62800	15600	13100	17500	19500	14500
Magnesium, Total	mg/kg	2190	1440	1620	1320	842	2850	2040	4210
Manganese, Total	mg/kg	158	219	360	264	212	312	296	195
Nickel, Total	mg/kg	9 03	20 4	19 6	10 9	7 46	13 5	14 8	6 82
Potassium, Total	mg/kg	701	947	885	869	527	993	1270	317
Silver, Total	mg/kg	0 551 F	0 683 F	0 848 F	<1 93	0 513 F	0 511 F	0 402 F	0 275 F
Sodium, Total	mg/kg	61 1	73 7	121	71 9	55 3	111	48 9	39 9
Vanadium, Total	mg/kg	12 5	23 2	19 7	19 4	31 7	24	28 3	13 2
Zinc, Total	mg/kg	1320	137	383	54	57 3	355	56 4	37 6
Metals (6020)									
Antimony, Total	mg/kg	<0 12	<0 121	0 113 F	<0 129	<0 13	0 0633 F	<0 112	0 145
Arsenic, Total	mg/kg	50 7	7 43	7 99	5 54	6 17	7 97	7 85	9 8
Lead, Total	mg/kg	114	28 B	271 B	13 B	26 6	107 B	15 5 B	45 7
Selenium, Total	mg/kg	0 39	0 303	0 252	0 231 F	0 276	0 217 F	0 397	0 244
Thallium, Total	mg/kg	0 285	0 205	0 202	0 171	0 272	0 235	0 244	0 117
Mercury, Total (7471)	mg/kg	0 0451 F	0 0293 F	0 0513 F	0 0319 F	0 0528 F	0 0861 F	0 0307 F	0 0148 F
Pesticides (8081A)									
4,4'-DDD	mg/kg	<1020	<213	<404	<416	<210	<404	<364	<346
4,4'-DDE	mg/kg	1310	<213	<404	<416	<210	<404	<364	<346
4,4'-DDT	mg/kg	<1020	93 F	<404	<416	<210	<404	<364	<346
Aldrin	mg/kg	<1020	<213	<404	<416	<210	<404	<364	<346
alpha Chlordane	mg/kg	<1020	<213	<404	<416	<210	<404	<364	<346
alpha-BHC	mg/kg	<1020	<213	<404	<416	<210	<404	<364	<346
beta-BHC	mg/kg	<1020	<213	<404	<416	<210	<404	<364	<346
delta-BHC	mg/kg	<1020	<213	<404	<416	<210	<404	<364	<346
Dieldrin	mg/kg	<1020	<213	<404	<416	<210	<404	<364	<346
Endosulfan I	mg/kg	<1020	<213	<404	<416	<210	<404	<364	<346
Endosulfan II	mg/kg	<1020	<213	<404	<416	<210	<404	<364	<346
Endosulfan sulfate	mg/kg	<1020	<213	<404	<416	<210	<404	<364	<346
Endrin	mg/kg	<1020	<213	<404	<416	<210	<404	<364	<346
Endrin aldehyde	mg/kg	<1020	<213	<404	<416	<210	<404	<364	<346
Endrin ketone	mg/kg	<1020	<213	<404	<416	<210	<404	<364	<346
gamma Chlordane	mg/kg	<1020	<213	<404	<416	<210	<404	<364	<346
gamma-BHC (Lindane)	mg/kg	<1020	<213	<404	<416	<210	<404	<364	<346
Heptachlor	mg/kg	<1020	<213	<404	<416	<210	<404	<364	<346
Heptachlor epoxide	mg/kg	<1020	<213	<404	<416	<210	<404	<364	<346
Methoxychlor	mg/kg	<1020	<213	<404	<416	<210	<404	<364	<346
Toxaphene	mg/kg	<20300	<4260	<8070	<8310	<4190	<8090	<7280	<6910
Polychlorinated Biphenyls (8082)									
Aroclor-1016	mg/kg	<20 3	<21 3	<20 2	<20 8	<21	<20 2	<18 2	<17 3
Aroclor-1221	mg/kg	<20 3	<21 3	<20 2	<20 8	<21	<20 2	<18 2	<17 3
Aroclor-1232	mg/kg	<20 3	<21 3	<20 2	<20 8	<21	<20 2	<18 2	<17 3
Aroclor-1242	mg/kg	<20 3	<21 3	<20 2	<20 8	<21	<20 2	<18 2	<17 3
Aroclor-1248	mg/kg	<20 3	<21 3	<20 2	<20 8	<21	<20 2	<18 2	<17 3
Aroclor-1254	mg/kg	<20 3	<21 3	<20 2	<20 8	<21	<20 2	<18 2	<17 3
Aroclor-1260	mg/kg	<20 3	<21 3	<20 2	<20 8	<21	<20 2	<18 2	<17 3
Herbicides (8151A)									
2,4,5-T	mg/kg	<1010	<491	<490	<498	<257	<2460	<448	<425
2,4,5-TP (Silvex)	mg/kg	<757	<368	<367	<373	<193	<1850	<336	<319
2,4-D	mg/kg	<10100	<4910	<4900	<4980	<2570	<24600	<4480	<4250
2 4-DB	mg/kg	<10100	<4910	<4900	<4980	<2570	<24600	<4480	<4250
Dalapon	mg/kg	<25200	<12300	<12200	<12400	<6420	<61600	<11200	<10600
Dicamba	mg/kg	<1010	<491	<490	<498	<257	<2460	<448	<425
Dichloroprop	mg/kg	<10100	<4910	<4900	<4980	<2570	<24600	<4480	<4250
Dinoseb	mg/kg	<5050	<2450	<2450	<2490	<1280	<12300	<2240	<2130
MCPA	mg/kg	<1010000	<491000	<490000	<498000	<257000	<2460000	<448000	<425000
MCPP	mg/kg	<1010000	<491000	<490000	<498000	<257000	<2460000	<448000	<425000
Pentachlorophenol	mg/kg	<1010	<491	<490	<498	<257	<2460	<448	<425

Notes
B Analyte Found in Method Blank
F Estimated result >MDL and < RL
J Estimated Result
M Concentration estimated due to matrix effect
Q QC criteria failed,qualification required
< Result is less than reporting limit

TABLE E-10
TA-3 INITIAL EXCAVATION, QA SOIL ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID	TB-011408
	Lab ID	L08010301-19
	Date	1/14/2008
Analyte	Units	
1,1,1,2-Tetrachloroethane	ug/L	<0 5
1,1,1-Trichloroethane	ug/L	<1
1,1,2,2-Tetrachloroethane	ug/L	<0 5
1,1,2-Trichloroethane	ug/L	<1
1,1-Dichloroethane	ug/L	<1
1,1-Dichloroethene	ug/L	<1
1,1-Dichloropropene	ug/L	<1
1,2,3-Trichlorobenzene	ug/L	<1
1,2,3-Trichloropropane	ug/L	<1
1,2,4-Trichlorobenzene	ug/L	<1
1,2,4-Trimethylbenzene	ug/L	<1
1,2-Dibromo-3-chloropropane	ug/L	<2
1,2-Dibromoethane	ug/L	<1
1,2-Dichlorobenzene	ug/L	<1
1,2-Dichloroethane	ug/L	<0 5
1,2-Dichloropropane	ug/L	<1
1,3,5-Trimethylbenzene	ug/L	<1
1,3-Dichlorobenzene	ug/L	<1
1,3-Dichloropropane	ug/L	<0 4
1,4-Dichlorobenzene	ug/L	<0 5
1-Chlorohexane	ug/L	<1
2,2-Dichloropropane	ug/L	<1
2-Chlorotoluene	ug/L	<1
2-Hexanone	ug/L	<10
4-Chlorotoluene	ug/L	<1
Acetone	ug/L	<10
Benzene	ug/L	<0 4
Bromobenzene	ug/L	<1
Bromochloromethane	ug/L	<1
Bromodichloromethane	ug/L	<0 5
Bromoform	ug/L	<1
Bromomethane	ug/L	<1
Carbon disulfide	ug/L	<1
Carbon tetrachloride	ug/L	<1
Chlorobenzene	ug/L	<0 5
Chloroethane	ug/L	<1
Chloroform	ug/L	<0 3
Chloromethane	ug/L	<1
cis-1,2-Dichloroethene	ug/L	<1
cis-1,3-Dichloropropene	ug/L	<0 5
Dibromochloromethane	ug/L	<0 5
Dibromomethane	ug/L	<1
Dichlorodifluoromethane	ug/L	<1
Ethylbenzene	ug/L	<1
Hexachlorobutadiene	ug/L	<0 6
Isopropylbenzene	ug/L	<1
m-,p-Xylene	ug/L	<2
MEK (2-Butanone)	ug/L	<10
Methyl t-butyl ether (MTBE)	ug/L	<5
Methylene chloride	ug/L	<1
MIBK (methyl isobutyl ketone)	ug/L	<10
Naphthalene	ug/L	<1
n-Butylbenzene	ug/L	<1
n-Propylbenzene	ug/L	<1
o-Xylene	ug/L	<1
p-Isopropyltoluene	ug/L	<1
sec-Butylbenzene	ug/L	<1
Styrene	ug/L	<1
tert-Butylbenzene	ug/L	<1
Tetrachloroethene	ug/L	<1
Toluene	ug/L	<1
trans-1,2-Dichloroethene	ug/L	<1
trans-1,3-Dichloropropene	ug/L	<1
Trichloroethene	ug/L	<1
Trichlorofluoromethane	ug/L	<1
Vinyl acetate	ug/L	<5
Vinyl chloride	ug/L	<1

Notes
< Result is less than laboratory detection limit

TABLE E-11
TA-3 GRID SAMPLES, ANALYTICAL RESULTS - VOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Sample ID Lab ID Date	Units	TA3-12A-5 L09020606-03 2/24/2009	TA3-12A-10 L09020606-04 2/24/2009	TA3-12A-10 DUP L09020606-49 2/24/2009	TA3-12A-15 L09020606-05 2/24/2009	TA3-12B-12 L09020606-02 2/24/2009	TA3-12B-7 L09020606-01 2/24/2009	TA3-12C-10 L09020606-11 2/24/2009
1,1,1,2-Tetrachloroethane		mg/kg	<0 00286	<0 00303	<0 00261	<0 00333 J	<0 00341	<0 00315	<0 00317
1,1,1-Trichloroethane		mg/kg	<0 00476	<0 00505	<0 00435	<0 00554 J	<0 00568	<0 00524	<0.00528
1,1,2,2-Tetrachloroethane		mg/kg	<0 00286	<0 00303	<0 00261	<0 00333 J	<0 00341	<0 00315	<0 00317
1,1,2-Trichloroethane		mg/kg	<0 00476	<0 00505	<0 00435	<0 00554 J	<0 00568	<0 00524	<0 00528
1,1-Dichloroethane		mg/kg	<0 00476	<0 00505	<0 00435	<0 00554 J	<0 00568	<0 00524	<0 00528
1,1-Dichloroethene		mg/kg	<0 00571	<0 00606	<0 00522	<0 00665 J	<0 00682	<0 00629	<0 00633
1,1-Dichloropropene		mg/kg	<0 00476	<0 00505	<0 00435	<0 00554 J	<0 00568	<0 00524	<0.00528
1,2,3-Trichlorobenzene		mg/kg	<0 00476	<0 00505	<0 00435	<0 00554 J	<0 00568	<0.00524	<0 00528
1,2,3-Trichloropropane		mg/kg	<0 00476	<0 00505	<0 00435	<0 00554 J	<0 00568	<0 00524	<0 00528
1,2,4-Trichlorobenzene		mg/kg	<0.00476	<0 00505	<0 00435	<0 00554 J	<0 00568	<0 00524	<0 00528
1,2,4-Trimethylbenzene		mg/kg	<0 00571	<0 00606	<0 00522	<0 00665 J	<0 00682	<0 00629	<0 00633
1,2-Dibromo-3-chloropropane		mg/kg	<0 00952 Q	<0 0101 Q	<0 0087 Q	<0 0111 Q	<0 0114 Q	<0 0105 Q	<0 0106 Q
1,2-Dibromoethane		mg/kg	<0 00476	<0 00505	<0 00435	<0 00554 J	<0.00568	<0 00524	<0.00528
1,2-Dichlorobenzene		mg/kg	<0 00476	<0 00505	<0 00435	<0 00554 J	<0.00568	<0.00524	<0 00528
1,2-Dichloroethane		mg/kg	<0.00286	<0 00303	<0 00261	<0 00333 J	<0 00341	<0 00315	<0.00317
1,2-Dichloropropane		mg/kg	<0.00476	<0 00505	<0.00435	<0 00554 J	<0 00568	<0 00524	<0.00528
1,3,5-Trimethylbenzene		mg/kg	<0 00476	<0 00505	<0 00435	<0 00554 J	<0 00568	<0 00524	<0 00528
1,3-Dichlorobenzene		mg/kg	<0 00571	<0 00606	<0 00522	<0 00665 J	<0.00682	<0.00629	<0 00633
1,3-Dichloropropane		mg/kg	<0.0019	<0 00202	<0 00174	<0 00222 J	<0 00227	<0 0021	<0 00211
1,4-Dichlorobenzene		mg/kg	<0 0019	<0 00202	<0 00174	<0 00222 J	<0 00227	<0 0021	<0 00211
1-Chlorohexane		mg/kg	<0 00476	<0 00505	<0 00435	<0 00554 J	<0 00568	<0 00524	<0 00528
2,2-Dichloropropane		mg/kg	<0 00476 Q	<0 00505 Q	<0 00435	<0.00554 J	<0 00568 Q	<0.00524 Q	<0.00528 Q
2-Chlorotoluene		mg/kg	<0 00476	<0 00505	<0 00435 Q	<0 00554 Q	<0 00568	<0 00524	<0 00528
2-Hexanone		mg/kg	<0 019	<0 0202	<0.0174	<0.0222 J	<0.0227	<0 021	<0 0211
4-Chlorotoluene		mg/kg	<0 00476	<0 00505	<0 00435	<0 00554 J	<0 00568	<0.00524	<0 00528
Acetone		mg/kg	0 022	0 0497	0 0337	<0.0222 J	<0 0227	<0 021	0 0576
Benzene		mg/kg	<0 0019	<0 00202	<0 00174	<0 00222 J	<0 00227	<0 0021	<0 00211
Bromobenzene		mg/kg	<0 00476	<0 00505	<0 00435	<0 00554 J	<0 00568	<0 00524	<0.00528
Bromochloromethane		mg/kg	<0 00476	<0 00505	<0 00435	<0 00554 J	<0 00568	<0 00524	<0 00528
Bromodichloromethane		mg/kg	<0 0019	<0 00202	<0.00174	<0 00222 J	<0 00227	<0 0021	<0 00211
Bromoform		mg/kg	<0 00476 Q	<0 00505 Q	<0 00435 Q	<0.00554 Q	<0 00568 Q	<0.00524 Q	<0 00528 Q
Bromomethane		mg/kg	<0 00476	<0 00505	<0 00435	<0 00554 J	<0 00568	<0 00524	<0 00528
Carbon disulfide		mg/kg	<0 00476 Q	<0 00505 Q	<0 00435 Q	<0.00554 Q	<0 00568 Q	<0.00524 Q	<0 00528 Q
Carbon tetrachloride		mg/kg	<0 00476	<0 00505	<0 00435	<0 00554 J	<0 00568	<0 00524	<0 00528
Chlorobenzene		mg/kg	<0 0019	<0 00202	<0 00174	<0.00222 J	<0 00227	<0 0021	<0 00211
Chloroethane		mg/kg	<0 00476	<0 00505	<0 00435	<0 00554 J	<0.00568	<0.00524	<0 00528
Chloroform		mg/kg	<0 0019	<0 00202	<0 00174	<0 00222 J	<0 00227	<0 0021	<0 00211
Chloromethane		mg/kg	<0 00476	<0 00505	<0 00435	<0 00554 J	<0 00568	<0 00524	<0 00528
cis-1,2-Dichloroethene		mg/kg	<0 00476	0 00649	0 0072	0 00693 J	<0 00568	<0 00524	<0 00528
cis-1,3-Dichloropropene		mg/kg	<0 00286	<0 00303	<0 00261	<0 00333 J	<0 00341	<0 00315	<0.00317
Dibromochloromethane		mg/kg	<0 00286	<0 00303	<0 00261	<0 00333 J	<0 00341	<0 00315	<0 00317
Dibromomethane		mg/kg	<0 00476	<0.00505	<0 00435	<0 00554 J	<0 00568	<0 00524	<0 00528
Dichlorodifluoromethane		mg/kg	<0 00476	<0 00505	<0 00435	<0 00554 J	<0 00568	<0 00524	<0.00528
Ethylbenzene		mg/kg	<0 00476	<0 00505	<0 00435	<0.00554 J	<0 00568	<0 00524	<0 00528
Hexachlorobutadiene		mg/kg	<0 00286	<0 00303	<0 00261	<0 00333 J	<0 00341	<0 00315	<0 00317
Isopropylbenzene		mg/kg	<0.00476	<0 00505	<0 00435	<0 00554 J	<0 00568	<0 00524	<0.00528
m-,p-Xylene		mg/kg	<0 00476	<0 00505	<0 00435	<0 00554 J	<0.00568	<0 00524	<0 00528
MEK (2-Butanone)		mg/kg	0.00452 F	0 0034 F	0 00236 F	<0 0222 J	<0 0227	<0.021	0 00481 F
Methyl t-butyl ether (MTBE)		mg/kg	<0 019	<0 0202	<0 0174	<0 0222 J	<0 0227	<0 021	<0 0211
Methylene chloride		mg/kg	<0 00476	<0 00505	0 000872 F	0 00153 F	0 00125 F	<0 00524	0 00325 F
MIBK (methyl isobutyl ketone)		mg/kg	<0 019	<0 0202	<0 0174	<0 0222 J	<0 0227	<0 021	<0.0211
Naphthalene		mg/kg	<0 00476	<0 00505	<0 00435	<0 00554 J	<0.00568	<0 00524	<0 00528
n-Butylbenzene		mg/kg	<0 00476	<0 00505	<0 00435	<0 00554 J	<0.00568	<0 00524	<0.00528
n-Propylbenzene		mg/kg	<0 00476	<0 00505	<0.00435	<0 00554 J	<0.00568	<0 00524	<0 00528
o-Xylene		mg/kg	<0 00476	<0 00505	<0 00435	<0.00554 J	<0 00568	<0.00524	<0 00528
p-Isopropyltoluene		mg/kg	<0 00571	<0 00606	<0 00522	<0.00665 J	<0 00682	<0 00629	<0 00633
sec-Butylbenzene		mg/kg	<0 00476	<0 00505	<0 00435	<0 00554 J	<0 00568	<0 00524	<0 00528
Styrene		mg/kg	<0 00476	<0 00505	<0 00435	<0 00554 J	<0 00568	<0 00524	<0 00528
tert-Butylbenzene		mg/kg	<0 00476	<0 00505	<0 00435	<0.00554 J	<0 00568	<0 00524	<0 00528
Tetrachloroethene		mg/kg	<0 00476	<0 00505	<0.00435	<0 00554 J	<0 00568	<0 00524	<0 00528
Toluene		mg/kg	<0 00476	<0 00505	<0 00435	<0 00554 J	<0 00568	<0 00524	<0 00528
Total Xylenes		mg/kg	<0 00476	<0 00505	<0 00435	<0.00554 J	<0 00568	<0 00524	<0 00528
trans-1,2-Dichloroethene		mg/kg	<0 00476	<0 00505	<0.00435	0 000561 F	<0 00568	<0 00524	<0 00528
trans-1,3-Dichloropropene		mg/kg	<0 00476 Q	<0 00505 Q	<0 00435 Q	<0 00554 Q	<0 00568 Q	<0 00524 Q	<0 00528 Q
Trichloroethene		mg/kg	<0 00476	0 000871 F	0 000973 F	0 000599 F	<0 00568	<0 00524	<0.00528
Trichlorofluoromethane		mg/kg	<0 00476	<0 00505	<0 00435	<0.00554 J	<0 00568	<0 00524	<0.00528
Vinyl acetate		mg/kg	<0 00952 Q	<0 0101 Q	<0 0087 Q	<0 0111 Q	<0 0114 Q	<0 0105 Q	<0.0106 Q
Vinyl chloride		mg/kg	<0 00476	<0 00505	<0 00435	0 00498 F	<0 00568	<0 00524	<0 00528

Notes
<. Not detected above Reporting Limit (RL)
F Concentration below RL
Q One or more quality control criteria failed
J Estimated Result

TABLE E-11
TA-3 GRID SAMPLES, ANALYTICAL RESULTS - VOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID	TA3-12C-15	TA3-12C-5	TA3-12D-15	TA3-12D-20	TA3-12E-10	TA3-12E-15
	Lab ID	L09020606-55	L09020606-10	L09020606-06	L09020606-07	L09020606-08	L09020606-09
	Date	2/24/2009	2/24/2009	2/24/2009	2/24/2009	2/24/2009	2/24/2009
Analyte	Units						
1,1,1,2-Tetrachloroethane	mg/kg	<0 003 J	<0 00307	<0 0029	<0 00288	<0 00338	<0.00286
1,1,1-Trichloroethane	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0 00476
1,1,2,2-Tetrachloroethane	mg/kg	<0 003 J	<0 00307	<0 0029	<0 00288	<0 00338	<0 00286
1,1,2-Trichloroethane	mg/kg	<0 005 J	<0.00511	<0 00483	<0 00481	<0 00564	<0 00476
1,1-Dichloroethane	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0 00476
1,1-Dichloroethene	mg/kg	<0 00599 J	<0 00613	<0 0058	<0 00577	<0 00677	<0 00571
1,1-Dichloropropene	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0 00476
1,2,3-Trichlorobenzene	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0.00476
1,2,3-Trichloropropane	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0.00476
1,2,4-Trichlorobenzene	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0 00476
1,2,4-Trimethylbenzene	mg/kg	<0 00599 J	0 00427 F	<0 0058	<0 00577	<0.00677	<0 00571
1,2-Dibromo-3-chloropropane	mg/kg	<0 00999 Q	<0.0102 Q	<0 00966 Q	<0 00961 Q	<0 0113 Q	<0 00952 Q
1,2-Dibromoethane	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0 00476
1,2-Dichlorobenzene	mg/kg	<0 005 J	<0 00511	<0 00483	<0.00481	<0 00564	<0 00476
1,2-Dichloroethane	mg/kg	<0 003 J	<0 00307	<0 0029	<0 00288	<0 00338	<0 00286
1,2-Dichloropropane	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0 00476
1,3,5-Trimethylbenzene	mg/kg	<0 005 J	0 00227 F	<0 00483	<0 00481	<0 00564	<0 00476
1,3-Dichlorobenzene	mg/kg	<0 00599 J	<0 00613	<0 0058	<0 00577	<0 00677	<0 00571
1,3-Dichloropropane	mg/kg	<0 002 J	<0 00204	<0 00193	<0 00192	<0 00226	<0 0019
1,4-Dichlorobenzene	mg/kg	<0 002 J	<0 00204	<0 00193	<0 00192	<0 00226	<0 0019
1-Chlorohexane	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0 00476
2,2-Dichloropropane	mg/kg	<0 005 J	<0 00511	<0 00483 Q	<0 00481 Q	<0.00564 Q	<0 00476 Q
2-Chlorotoluene	mg/kg	<0 005 Q	<0 00511 Q	<0 00483	<0 00481	<0 00564	<0 00476
2-Hexanone	mg/kg	<0 02 J	<0 0204	<0.0193	<0 0192	<0 0226	<0 019
4-Chlorotoluene	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0.00564	<0 00476
Acetone	mg/kg	<0 02 J	0 00732 F	<0 0193	<0 0192	0 0216 F	<0 019
Benzene	mg/kg	<0 002 J	<0 00204	<0 00193	<0 00192	<0 00226	0 000489 F
Bromobenzene	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0.00564	<0 00476
Bromochloromethane	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0 00476
Bromodichloromethane	mg/kg	<0 002 J	<0 00204	<0 00193	<0 00192	<0 00226	<0 0019
Bromoform	mg/kg	<0.005 Q	<0 00511 Q	<0 00483 Q	<0 00481 Q	<0.00564 Q	<0.00476 Q
Bromomethane	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0 00476
Carbon disulfide	mg/kg	<0 005 Q	0 00111 Q	<0 00483 Q	<0 00481 Q	<0 00564 Q	<0 00476 Q
Carbon tetrachloride	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0 00476
Chlorobenzene	mg/kg	<0 002 J	<0 00204	<0 00193	<0 00192	<0 00226	<0 0019
Chloroethane	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0 00476
Chloroform	mg/kg	<0 002 J	0 000666 F	<0 00193	<0 00192	<0 00226	<0 0019
Chloromethane	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0 00476
cis-1,2-Dichloroethene	mg/kg	0 000754 F	0 000687 F	<0 00483	0 00487	<0.00564	0 00858
cis-1,3-Dichloropropene	mg/kg	<0 003 J	<0.00307	<0 0029	<0 00288	<0 00338	<0 00286
Dibromochloromethane	mg/kg	<0 003 J	<0.00307	<0 0029	<0 00288	<0 00338	<0 00286
Dibromomethane	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0 00476
Dichlorodifluoromethane	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0 00476
Ethylbenzene	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0 00476
Hexachlorobutadiene	mg/kg	<0 003 J	<0 00307	<0 0029	<0 00288	<0 00338	<0 00286
Isopropylbenzene	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0 00476
m-,p-Xylene	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0 00476
MEK (2-Butanone)	mg/kg	<0 02 J	<0 0204	<0 0193	<0 0192	<0 0226	<0 019
Methyl t-butyl ether (MTBE)	mg/kg	<0 02 J	<0 0204	<0 0193	<0 0192	<0 0226	<0 019
Methylene chloride	mg/kg	0.00351 F	0 00215 F	<0 00483	<0 00481	0 00209 F	0 00342 F
MIBK (methyl isobutyl ketone)	mg/kg	<0 02 J	<0 0204	<0 0193	<0 0192	<0 0226	<0 019
Naphthalene	mg/kg	<0 005 J	0 00061 F	<0 00483	<0 00481	<0 00564	<0 00476
n-Butylbenzene	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0 00476
n-Propylbenzene	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0 00476
o-Xylene	mg/kg	<0 005 J	0 000527 F	<0 00483	<0 00481	<0 00564	<0 00476
p-Isopropyltoluene	mg/kg	<0 00599 J	<0 00613	<0 0058	<0 00577	<0 00677	<0 00571
sec-Butylbenzene	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0 00476
Styrene	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0 00476
tert-Butylbenzene	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0 00476
Tetrachloroethene	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0 00476
Toluene	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0 00476
Total Xylenes	mg/kg	<0 005 J	0 000527 F	<0 00483	<0 00481	<0 00564	<0 00476
trans-1,2-Dichloroethene	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0 00476
trans-1,3-Dichloropropene	mg/kg	<0 005 Q	<0 00511 Q	<0 00483 Q	<0 00481 Q	<0 00564 Q	<0 00476 Q
Trichloroethene	mg/kg	<0 005 J	0 000596 F	<0 00483	<0 00481	<0 00564	<0 00476
Trichlorofluoromethane	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	<0 00476
Vinyl acetate	mg/kg	<0 00999 Q	<0 0102 Q	<0 00966 Q	<0 00961 Q	<0 0113 Q	<0 00952 Q
Vinyl chloride	mg/kg	<0 005 J	<0 00511	<0 00483	<0 00481	<0 00564	0 0218

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
Q One or more quality control criteria failed
J Estimated Result

TABLE E-11
TA-3 GRID SAMPLES, ANALYTICAL RESULTS - SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

		Sample ID	TA3-1A-5	TA3-1A-5 DUP	TA3-1A-10	TA3-1A-15	TA3-12A-5	TA3-12A-10	TA3-12A-10 DUP
		Lab ID	L09020606-22	L09020606-50	L09020606-23	L09020606-24	L09020606-03	L09020606-04	L09020606-49
		Date	2/24/2009	2/24/2009	2/24/2009	2/24/2009	2/24/2009	2/24/2009	2/24/2009
Analyte	Method	Units							
1,2,4-Trichlorobenzene	8270C	mg/kg	<0 806	<0 8	<0 969	<0 942	<4 18	<0 892	<0 766
1,2-Dichlorobenzene	8270C	mg/kg	<0 806	<0 8	<0 969	<0 942	<4 18	<0 892	<0 766
1,3-Dichlorobenzene	8270C	mg/kg	<0 806	<0 8	<0 969	<0 942	<4 18	<0 892	<0 766
1,4-Dichlorobenzene	8270C	mg/kg	<0 806	<0 8	<0 969	<0 942	<4 18	<0 892	<0 766
2,4,5-Trichlorophenol	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	<1 97	<0 421	<0 361
2,4,6-Trichlorophenol	8270C	mg/kg	<0 345	<0 343	<0 415	<0 404	<1 79	<0 382	<0 328
2,4-Dichlorophenol	8270C	mg/kg	<0 345	<0 343	<0 415	<0 404	<1 79	<0 382	<0 328
2,4-Dimethylphenol	8270C	mg/kg	<0 345	<0 343	<0 415	<0 404	<1 79	<0 382	<0 328
2,4-Dinitrophenol	8270C	mg/kg	<1 84	<1 83Q	<2 22Q	<2 15Q	<9 55Q	<2 04	<1,75Q
2,4-Dinitrotoluene	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	<1 97	<0 421	<0 361
2,6-Dinitrotoluene	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	<1 97	<0 421	<0,361
2-Chloronaphthalene	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	<1 97	<0 421	<0 361
2-Chlorophenol	8270C	mg/kg	<0 345	<0 343	<0 415	<0 404	<1 79	<0 382	<0 328
2-Methylnaphthalene	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	<1 97	<0 421	<0 361
2-Methylphenol	8270C	mg/kg	<0 345	<0 343	<0 415	<0 404	<1 79	<0 382	<0 328
2-Nitroaniline	8270C	mg/kg	<1 84	<1 83	<2 22	<2 15	<9 55	<2 04	<1 75
2-Nitrophenol	8270C	mg/kg	<0 345	<0 343	<0 415	<0 404	<1 79	<0 382	<0 328
3,3'-Dichlorobenzidine	8270C	mg/kg	<1 5Q	<1 48	<1 8	<1 75	<7 76	<1 66	<1 42
3-,4-Methylphenol	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	<1 97	<0 421	<0 361
3-Nitroaniline	8270C	mg/kg	<1 84Q	<1 83	<2 22	<2 15	<9 55	<2 04	<1 75
4,6-Dinitro-2-methylphenol	8270C	mg/kg	<1 84	<1 83	<2 22	<2 15	<9 55	<2 04	<1,75
4-Bromophenyl-phenylether	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	<1 97	<0 421	<0 361
4-Chloro-3-methylphenol	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	<1 97	<0 421	<0 361
4-Chloroaniline	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	<1,97	<0 421	<0 361
4-Chlorophenyl-phenyl ether	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	<1 97	<0 421	<0 361
4-Nitroaniline	8270C	mg/kg	<1 84Q	<1 83	<2 22	<2 15	<9 55	<2 04	<1 75
4-Nitrophenol	8270C	mg/kg	<1 84	<1 83	<2 22	<2 15	<9 55	<2 04	<1.75
Acenaphthene	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	1 66 F	<0 421	<0 361
Acenaphthylene	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	<1 97	<0 421	<0 361
Anthracene	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	2 87	<0 421	<0 361
Benzo(a)anthracene	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	6 52	<0 421	<0 361
Benzo(a)pyrene	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	5 45	<0 421	<0 361
Benzo(b)fluoranthene	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	5 88	<0 421	<0 361
Benzo(g,h,i)Perylene	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	3 7	<0 421	<0 361
Benzo(k)fluoranthene	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	4 73	<0 421	<0 361
Benzoic acid	8270C	mg/kg	<5 76Q	<5 71Q	<6 92Q	<6 73Q	<29 8Q	<6 37Q	<5 47Q
Benzyl alcohol	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	<1 97	<0 421	<0 361
Bis(2-Chloroethoxy)Methane	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	<1 97	<0 421	<0 361
Bis(2-Chloroethyl)ether	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	<1 97	<0 421	<0 361
bis(2-Chloroisopropyl)ether	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	<1 97	<0 421	<0 361
bis(2-Ethylhexyl)phthalate	8270C	mg/kg	<0 38Q	<0 377	<0 457	<0 444	<1 97	<0 421	<0 361
Butylbenzylphthalate	8270C	mg/kg	<0 38Q	<0 377	<0 457	<0 444	<1 97	<0 421	<0 361
Chrysene	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	6 88	<0 421	<0 361
Dibenzo(a,h)Anthracene	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	1 22 F	<0 421	<0 361
Dibenzofuran	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	0 778 F	<0 421	<0 361
Diethylphthalate	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	<1 97	<0 421	<0 361
Dimethylphthalate	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	<1 97	<0 421	<0 361
Di-N-Butylphthalate	8270C	mg/kg	0 113 Q	<0 377	<0 457	<0 444	<1 97	<0 421	<0 361
Di-n-octylphthalate	8270C	mg/kg	<0 38Q	<0 377	<0 457	<0 444	<1 97	<0 421	<0 361
Fluoranthene	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	19 5	<0 421	<0 361
Fluorene	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	1 42 F	<0 421	<0 361
Hexachlorobenzene	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	<1,97	<0 421	<0 361
Hexachlorobutadiene	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	<1 97	<0 421	<0 361
Hexachlorocyclopentadiene	8270C	mg/kg	<0 38	<0 377Q	<0 457Q	<0 444Q	<1 97Q	<0 421	<0 361Q
Hexachloroethane	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	<1 97	<0 421	<0 361
Indeno(1,2,3-cd)pyrene	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	3 68	<0 421	<0 361
Isophorone	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	<1 97	<0 421	<0 361
Naphthalene	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	<1 97	<0 421	<0 361
Nitrobenzene	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	<1 97	<0 421	<0 361
N-Nitroso-di-n-propylamine	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	<1 97	<0 421	<0 361
N-Nitrosodiphenylamine	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	<1 97	<0 421	<0 361
Pentachlorophenol	8270C	mg/kg	<3 8	<3 77	<4 57	<4 44	<19 7	<4 21	<3 61
Phenanthrene	8270C	mg/kg	<0 38	<0 377	<0 457	<0 444	15 3	<0 421	<0 361
Phenol	8270C	mg/kg	<0 345	<0 343	<0 415	<0 404	<1 79	<0 382	<0 328
Pyrene	8270C	mg/kg	<0 806	<0 8	<0 969	<0 942	13 9	<0 892	<0 766

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
Q One or more quality control criteria failed
J Estimated Result

TABLE E-11
TA-3 GRID SAMPLES, ANALYTICAL RESULTS - SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Method	Sample ID / Lab ID / Date / Units	TA3-12A-15 L09020606-05 2/24/2009	TA3-1B-5 L09020606-12 2/24/2009	TA3-1B-10 L09020606-15 2/24/2009	TA3-1B-15 L09020606-16 2/24/2009	TA3-1C-10 L09020606-27 2/24/2009	TA3-1C-15 L09020606-28 2/24/2009	TA3-1C-15 DUP L09020606-51 2/24/2009
1,2,4-Trichlorobenzene	8270C	mg/kg	<0 808	<0 857M	<0 845	<0 871	<0 851	<0 95	<0 806
1,2-Dichlorobenzene	8270C	mg/kg	<0 808	<0 857	<0 845	<0 871	<0 851	<0 95	<0 806
1,3-Dichlorobenzene	8270C	mg/kg	<0 808	<0 857	<0 845	<0 871	<0 851	<0 95	<0 806
1,4-Dichlorobenzene	8270C	mg/kg	<0 808	<0 857	<0 845	<0 871	<0 851	<0 95	<0 806
2,4,5-Trichlorophenol	8270C	mg/kg	<0 381	<0 404	<0 398J	<0 411	<0 401	<0 448	<0 38
2,4,6-Trichlorophenol	8270C	mg/kg	<0 346	<0 367	<0 362J	<0 373	<0 365	<0 407	<0 346
2,4-Dichlorophenol	8270C	mg/kg	<0 346	<0 367	<0 362	<0 373	<0 365	<0 407	<0 346
2,4-Dimethylphenol	8270C	mg/kg	<0 346	<0 367	<0 362	<0 373	<0 365	<0 407	<0 346
2,4-Dinitrophenol	8270C	mg/kg	<1 85	<1 96Q	<1 93J	<1 99	<1 94	<2 17	<1 84Q
2,4-Dinitrotoluene	8270C	mg/kg	<0 381	<0 404M	<0 398	<0 411	<0 401	<0 448	<0 38
2,6-Dinitrotoluene	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
2-Chloronaphthalene	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
2-Chlorophenol	8270C	mg/kg	<0 346	<0 367	<0 362	<0 373	<0 365	<0 407	<0 346
2-Methylnaphthalene	8270C	mg/kg	<0 381	<0 404M	<0 398	<0 411	<0 401	<0 448	<0 38
2-Methylphenol	8270C	mg/kg	<0 346	<0 367	<0 362	<0 373	<0 365	<0 407	<0 346
2-Nitroaniline	8270C	mg/kg	<1 85	<1 96	<1 93	<1 99	<1 94	<2 17	<1 84
2-Nitrophenol	8270C	mg/kg	<0 346	<0 367M	<0 362	<0 373	<0 365	<0 407	<0 346
3,3'-Dichlorobenzidine	8270C	mg/kg	<1 5	<1 59M	<1 57	<1 62	<1 58	<1 76	<1 5
3-,4-Methylphenol	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
3-Nitroaniline	8270C	mg/kg	<1 85	<1 96	<1 93	<1 99	<1 94	<2 17	<1 84
4,6-Dinitro-2-methylphenol	8270C	mg/kg	<1 85	<1 96M	<1 93J	<1 99	<1 94	<2 17	<1 84
4-Bromophenyl-phenylether	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
4-Chloro-3-methylphenol	8270C	mg/kg	<0 381	<0 404	<0 398J	<0 411	<0 401	<0 448	<0 38
4-Chloroaniline	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
4-Chlorophenyl-phenyl ether	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
4-Nitroaniline	8270C	mg/kg	<1 85	<1 96	<1 93	<1 99	<1 94	<2 17	<1 84
4-Nitrophenol	8270C	mg/kg	<1 85	<1 96	<1 93J	<1 99	<1 94	<2 17	<1 84
Acenaphthene	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
Acenaphthylene	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
Anthracene	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	0 104 F	<0 448	<0 38
Benzo(a)anthracene	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	0 491	<0 448	<0 38
Benzo(a)pyrene	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	0 432	<0 448	<0 38
Benzo(b)fluoranthene	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	0 527	<0 448	<0 38
Benzo(g,h,i)Perylene	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	0 346 F	<0 448	<0 38
Benzo(k)fluoranthene	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	0 424	<0 448	<0 38
Benzoic acid	8270C	mg/kg	<5 77Q	<6 12Q	<6 03Q	<6 22Q	<6 08Q	<6 78Q	<5 76Q
Benzyl alcohol	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
Bis(2-Chloroethoxy)Methane	8270C	mg/kg	<0 381	<0 404M	<0 398	<0 411	<0 401	<0 448	<0 38
Bis(2-Chloroethyl)ether	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
bis(2-Chloroisopropyl)ether	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
bis(2-Ethylhexyl)phthalate	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
Butylbenzylphthalate	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
Chrysene	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	0 566	<0 448	<0 38
Dibenzo(a,h)Anthracene	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
Dibenzofuran	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
Diethylphthalate	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
Dimethylphthalate	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
Di-N-Butylphthalate	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
Di-n-octylphthalate	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
Fluoranthene	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	1 41	<0 448	<0 38
Fluorene	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
Hexachlorobenzene	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
Hexachlorobutadiene	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
Hexachlorocyclopentadiene	8270C	mg/kg	<0 381	<0 404Q	<0 398	<0 411	<0 401	<0 448	<0 38Q
Hexachloroethane	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
Indeno(1,2,3-cd)pyrene	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
Isophorone	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
Naphthalene	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
Nitrobenzene	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
N-Nitroso-di-n-propylamine	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
N-Nitrosodiphenylamine	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	<0 401	<0 448	<0 38
Pentachlorophenol	8270C	mg/kg	<3 81	<4 04	<3 98J	<4 11	<4 01	<4 48	<3 8
Phenanthrene	8270C	mg/kg	<0 381	<0 404	<0 398	<0 411	0 703	<0 448	<0 38
Phenol	8270C	mg/kg	<0 346	<0 367	<0 362	<0 373	<0 365	<0 407	<0 346
Pyrene	8270C	mg/kg	<0 808	<0 857	<0 845	<0 871	0 959	<0 95	<0 806

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
Q One or more quality control criteria failed
J Estimated Result

TABLE E-11
TA-3 GRID SAMPLES, ANALYTICAL RESULTS - SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

		Sample ID	TA3-1D-5	TA3-1D-10	TA3-1E-5	TA3-1E-10	TA3-1E-15	TA3-A1-05	TA3-A1-10
		Lab ID	L09020606-25	L09020606-26	L09020606-17	L09020606-18	L09020606-21	L09020666-20	L09020666-21
		Date	2/24/2009	2/24/2009	2/24/2009	2/24/2009	2/24/2009	2/25/2009	2/25/2009
Analyte	Method	Units							
1,2,4-Trichlorobenzene	8270C	mg/kg	<9 81J	<0 924	<9 75	<0 927	<0 871	<0 925	<0 858
1,2-Dichlorobenzene	8270C	mg/kg	<9 81J	<0 924	<9 75	<0 927	<0 871	<0 925	<0 858
1,3-Dichlorobenzene	8270C	mg/kg	<9 81J	<0 924	<9 75	<0 927	<0 871	<0 925	<0 858
1,4-Dichlorobenzene	8270C	mg/kg	<9 81J	<0 924	<9 75	<0 927	<0 871	<0 925	<0 858
2,4,5-Trichlorophenol	8270C	mg/kg	<4 62	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
2,4,6-Trichlorophenol	8270C	mg/kg	<4 2	<0 396	<4 18	<0 397	<0 373	<0 397	<0 368
2,4-Dichlorophenol	8270C	mg/kg	<4 2	<0 396	<4 18	<0 397	<0 373	<0 397	<0 368
2,4-Dimethylphenol	8270C	mg/kg	<4 2	<0 396	<4 18	<0 397	<0 373	<0 397	<0 368
2,4-Dinitrophenol	8270C	mg/kg	<22 4Q	<2 11	<22 3Q	<2 12M	<1 99Q	<2 11	<1 96
2,4-Dinitrotoluene	8270C	mg/kg	<4 62	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
2,6-Dinitrotoluene	8270C	mg/kg	<4 62	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
2-Chloronaphthalene	8270C	mg/kg	<4 62	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
2-Chlorophenol	8270C	mg/kg	<4 2	<0 396	<4 18	<0 397	<0 373	<0 397	<0 368
2-Methylnaphthalene	8270C	mg/kg	<4 62	<0 436	2 37 F	<0 437	<0 411	<0 436	<0 405
2-Methylphenol	8270C	mg/kg	<4 2	<0 396	<4 18	<0 397	<0 373	<0 397	<0 368
2-Nitroaniline	8270C	mg/kg	<22 4	<2 11	<22 3	<2 12	<1 99	<2 11	<1 96
2-Nitrophenol	8270C	mg/kg	<4 2	<0 396	<4 18	<0 397	<0 373	<0 397	<0 368
3,3'-Dichlorobenzidine	8270C	mg/kg	<18 2	<1 72	<18 1	<1.72	<1 62	<1 72	<1 59
3-,4-Methylphenol	8270C	mg/kg	<4 62	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
3-Nitroaniline	8270C	mg/kg	<22 4	<2 11	<22 3	<2 12M	<1 99	<2.11	<1.96
4,6-Dinitro-2-methylphenol	8270C	mg/kg	<22 4	<2 11	<22 3	<2 12M	<1 99	<2 11	<1.96
4-Bromophenyl-phenylether	8270C	mg/kg	<4 62	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
4-Chloro-3-methylphenol	8270C	mg/kg	<4 62	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
4-Chloroaniline	8270C	mg/kg	<4 62J	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
4-Chlorophenyl-phenyl ether	8270C	mg/kg	<4 62	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
4-Nitroaniline	8270C	mg/kg	<22 4	<2 11	<22 3	<2.12M	<1 99	<2.11	<1 96
4-Nitrophenol	8270C	mg/kg	<22 4	<2 11	<22 3	<2 12	<1 99	<2.11	<1 96
Acenaphthene	8270C	mg/kg	3 09 F	<0 436	<4 59	<0 437	<0 411	0 138 F	<0 405
Acenaphthylene	8270C	mg/kg	<4 62	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
Anthracene	8270C	mg/kg	4 48 F	<0 436	<4 59	<0 437	<0 411	0 185 F	<0 405
Benzo(a)anthracene	8270C	mg/kg	13 6	<0 436	<4 59	<0 437	<0 411	0 497	<0 405
Benzo(a)pyrene	8270C	mg/kg	12 1	<0 436	<4 59	<0 437	<0 411	0 416 F	<0 405
Benzo(b)fluoranthene	8270C	mg/kg	12 7	<0 436	<4 59	<0 437	<0 411	0 474	<0 405
Benzo(g,h,i)Perylene	8270C	mg/kg	8 36	<0 436	<4 59	<0 437	<0 411	0 255 F	<0 405
Benzo(k)fluoranthene	8270C	mg/kg	11 1	<0 436	<4 59	<0 437	<0 411	0 482	<0 405
Benzoic acid	8270C	mg/kg	<70Q	<6 6Q	<69 6Q	<6 62Q	<6 22Q	<6 61Q	<6 13Q
Benzyl alcohol	8270C	mg/kg	<4 62J	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
Bis(2-Chloroethoxy)Methane	8270C	mg/kg	<4 62J	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
Bis(2-Chloroethyl)ether	8270C	mg/kg	<4 62J	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
bis(2-Chloroisopropyl)ether	8270C	mg/kg	<4 62J	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
bis(2-Ethylhexyl)phthalate	8270C	mg/kg	<4 62	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
Butylbenzylphthalate	8270C	mg/kg	<4 62	<0 436	<4 59	<0 437M	<0 411	<0 436	<0 405
Chrysene	8270C	mg/kg	15 1	<0 436	<4 59	<0 437	<0 411	0 558	<0 405
Dibenzo(a,h)Anthracene	8270C	mg/kg	3 25 F	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
Dibenzofuran	8270C	mg/kg	1 56 F	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
Diethylphthalate	8270C	mg/kg	<4 62	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
Dimethylphthalate	8270C	mg/kg	<4 62	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
Di-N-Butylphthalate	8270C	mg/kg	<4 62	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
Di-n-octylphthalate	8270C	mg/kg	<4 62	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
Fluoranthene	8270C	mg/kg	39 1	<0 436	<4 59	<0 437	<0 411	1 67	<0 405
Fluorene	8270C	mg/kg	2 37 F	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
Hexachlorobenzene	8270C	mg/kg	<4 62	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
Hexachlorobutadiene	8270C	mg/kg	<4 62J	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
Hexachlorocyclopentadiene	8270C	mg/kg	<4 62Q	<0 436	<4 59	<0 437M	<0 411Q	<0 436	<0 405
Hexachloroethane	8270C	mg/kg	<4 62J	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
Indeno(1,2,3-cd)pyrene	8270C	mg/kg	8 32	<0 436	<4 59	<0 437	<0 411	0 251 F	<0 405
Isophorone	8270C	mg/kg	<4 62J	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
Naphthalene	8270C	mg/kg	<4 62	<0 436	4 26 F	<0 437	<0 411	<0 436	<0 405
Nitrobenzene	8270C	mg/kg	<4 62J	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
N-Nitroso-di-n-propylamine	8270C	mg/kg	<4 62J	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
N-Nitrosodiphenylamine	8270C	mg/kg	<4 62	<0 436	<4 59	<0 437	<0 411	<0 436	<0 405
Pentachlorophenol	8270C	mg/kg	<46 2	<4 36	<45 9	<4 37	<4 11	<4 36	<4 05
Phenanthrene	8270C	mg/kg	28 5	<0 436	<4 59	<0 437	<0 411	1 28	<0 405
Phenol	8270C	mg/kg	<4 2	<0 396	<4 18	<0 397	<0 373	<0 397	<0 368
Pyrene	8270C	mg/kg	28 4	<0 924	<9 75	<0 927	<0 871	1 04	<0 858

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
Q One or more quality control criteria failed
J Estimated Result

TABLE E-11
TA-3 GRID SAMPLES, ANALYTICAL RESULTS - SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

		Sample ID	TA3-A1-15	TA3-A2-5	TA3-A2-10	TA3-A2-15	TA3-A3-5	TA3-A3-10	TA3-A3-15
		Lab ID	L09020666-22	L09020666-13	L09020666-14	L09020666-17	L09020666-10	L09020666-11	L09020666-12
		Date	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009
Analyte	Method	Units							
1,2,4-Trichlorobenzene	8270C	mg/kg	<0.948	<0 891	<0 961	<0 943	<0 831	<0 964	<0 955
1,2-Dichlorobenzene	8270C	mg/kg	<0.948	<0 891	<0 961	<0 943	<0 831	<0 964	<0 955
1,3-Dichlorobenzene	8270C	mg/kg	<0.948	<0 891	<0 961	<0 943	<0 831	<0 964	<0 955
1,4-Dichlorobenzene	8270C	mg/kg	<0.948	<0 891	<0 961	<0 943	<0 831	<0 964	<0 955
2,4,5-Trichlorophenol	8270C	mg/kg	<0.447	<0 42	<0.453J	<0 445	<0 392	<0 455	<0 45
2,4,6-Trichlorophenol	8270C	mg/kg	<0 406	<0 382	<0.412J	<0 404	<0 356	<0 413	<0 409
2,4-Dichlorophenol	8270C	mg/kg	<0.406	<0 382	<0.412	<0 404	<0 356	<0 413	<0 409
2,4-Dimethylphenol	8270C	mg/kg	<0.406	<0 382	<0.412M	<0 404	<0 356	<0 413	<0 409
2,4-Dinitrophenol	8270C	mg/kg	<2 17	<2 04	<2 2J	<2 16	<1 9	<2 2	<2 18
2,4-Dinitrotoluene	8270C	mg/kg	<0 447	<0 42	<0 453M	<0 445	<0 392	<0 455	<0 45
2,6-Dinitrotoluene	8270C	mg/kg	<0 447	<0 42	<0 453	<0 445	<0 392	<0 455	<0 45
2-Chloronaphthalene	8270C	mg/kg	<0 447	<0 42	<0 453	<0 445	<0 392	<0 455	<0 45
2-Chlorophenol	8270C	mg/kg	<0 406	<0.382	<0.412	<0 404	<0 356	<0 413	<0 409
2-Methylnaphthalene	8270C	mg/kg	<0 447	<0 42	<0 453	<0 445	<0 392	<0 455	<0 45
2-Methylphenol	8270C	mg/kg	<0 406	<0.382	<0.412	<0 404	<0 356	<0.413	<0 409
2-Nitroaniline	8270C	mg/kg	<2 17	<2 04	<2 2	<2.16	<1 9	<2 2	<2 18
2-Nitrophenol	8270C	mg/kg	<0 406	<0 382	<0 412	<0 404	<0 356	<0 413	<0 409
3,3'-Dichlorobenzidine	8270C	mg/kg	<1 76	<1 65	<1 78M	<1 75	<1 54	<1 79	<1 77
3-,4-Methylphenol	8270C	mg/kg	<0 447	<0 42	<0.453	<0 445	<0 392	<0.455	<0 45
3-Nitroaniline	8270C	mg/kg	<2 17	<2 04	<2 2M	<2 16	<1 9	<2 2	<2.18
4,6-Dinitro-2-methylphenol	8270C	mg/kg	<2 17	<2 04	<2 2J	<2 16	<1 9	<2 2	<2.18
4-Bromophenyl-phenylether	8270C	mg/kg	<0 447	<0 42	<0.453	<0 445	<0 392	<0 455	<0 45
4-Chloro-3-methylphenol	8270C	mg/kg	<0 447	<0 42	<0.453J	<0 445	<0 392	<0.455	<0 45
4-Chloroaniline	8270C	mg/kg	<0 447	<0 42	<0.453	<0 445	<0 392	<0.455	<0 45
4-Chlorophenyl-phenyl ether	8270C	mg/kg	<0 447	<0 42	<0 453	<0 445	<0 392	<0 455	<0 45
4-Nitroaniline	8270C	mg/kg	<2 17	<2 04	<2 2M	<2.16	<1 9	<2 2	<2.18
4-Nitrophenol	8270C	mg/kg	<2 17	<2 04	<2 2J	<2 16	<1 9	<2 2	<2.18
Acenaphthene	8270C	mg/kg	<0 447	<0 42	<0 453	<0 445	<0 392	<0.455	<0 45
Acenaphthylene	8270C	mg/kg	<0 447	<0 42	<0 453	<0 445	<0 392	<0 455	<0 45
Anthracene	8270C	mg/kg	<0 447	<0 42	<0.453	<0 445	<0 392	<0.455	<0 45
Benzo(a)anthracene	8270C	mg/kg	<0 447	<0 42	<0.453	<0 445	<0 392	<0.455	<0 45
Benzo(a)pyrene	8270C	mg/kg	<0 447	<0 42	<0 453M	<0.445	<0 392	<0.455	<0 45
Benzo(b)fluoranthene	8270C	mg/kg	<0 447	<0 42	<0 453	<0.445	<0 392	<0 455	<0 45
Benzo(g,h,i)Perylene	8270C	mg/kg	<0 447	<0 42	<0 453M	<0.445	<0 392	<0 455	<0 45
Benzo(k)fluoranthene	8270C	mg/kg	<0 447	<0 42	<0 453M	<0.445	<0 392	<0 455	<0 45
Benzoic acid	8270C	mg/kg	<6 77Q	<6 36Q	<6.86Q	<6 74Q	<5 94Q	<6.89Q	<6.82Q
Benzyl alcohol	8270C	mg/kg	<0 447	<0 42	<0 453	<0.445	<0 392	<0 455	<0 45
Bis(2-Chloroethoxy)Methane	8270C	mg/kg	<0 447	<0 42	<0 453	<0.445	<0 392	<0.455	<0 45
Bis(2-Chloroethyl)ether	8270C	mg/kg	<0 447	<0 42	<0.453	<0 445	<0 392	<0.455	<0 45
bis(2-Chloroisopropyl)ether	8270C	mg/kg	<0 447	<0 42	<0.453	<0 445	<0 392	<0 455	<0 45
bis(2-Ethylhexyl)phthalate	8270C	mg/kg	<0 447	<0 42	<0 453M	<0 445	<0 392	<0 455	<0 45
Butylbenzylphthalate	8270C	mg/kg	<0 447	<0 42	<0 453M	<0 445	<0 392	<0.455	<0 45
Chrysene	8270C	mg/kg	<0 447	<0 42	<0.453	<0 445	<0 392	<0.455	<0 45
Dibenzo(a,h)Anthracene	8270C	mg/kg	<0 447	<0 42	<0 453M	<0.445	<0 392	<0.455	<0 45
Dibenzofuran	8270C	mg/kg	<0 447	<0 42	<0.453	<0 445	<0 392	<0 455	<0 45
Diethylphthalate	8270C	mg/kg	<0 447	<0 42	<0 453M	<0.445	<0 392	<0.455	<0 45
Dimethylphthalate	8270C	mg/kg	<0 447	<0 42	<0.453	<0 445	<0 392	<0.455	<0 45
Di-N-Butylphthalate	8270C	mg/kg	<0 447	<0 42	<0 453M	<0.445	<0 392	<0 455	<0 45
Di-n-octylphthalate	8270C	mg/kg	<0 447	<0 42	<0 453M	<0.445	<0 392	<0 455	<0 45
Fluoranthene	8270C	mg/kg	<0 447	<0 42	<0 453M	<0 445	<0 392	<0.455	<0 45
Fluorene	8270C	mg/kg	<0 447	<0 42	<0 453	<0.445	<0 392	<0.455	<0 45
Hexachlorobenzene	8270C	mg/kg	<0 447	<0 42	<0 453	<0 445	<0 392	<0.455	<0 45
Hexachlorobutadiene	8270C	mg/kg	<0 447	<0 42	<0 453	<0.445	<0 392	<0.455	<0 45
Hexachlorocyclopentadiene	8270C	mg/kg	<0 447	<0 42	<0 453	<0 445	<0 392	<0 455	<0 45
Hexachloroethane	8270C	mg/kg	<0 447	<0 42	<0.453	<0 445	<0 392	<0 455	<0 45
Indeno(1,2,3-cd)pyrene	8270C	mg/kg	<0 447	<0 42	<0 453M	<0 445	<0 392	<0 455	<0 45
Isophorone	8270C	mg/kg	<0 447	<0 42	<0 453	<0 445	<0 392	<0 455	<0 45
Naphthalene	8270C	mg/kg	<0 447	<0 42	<0 453	<0 445	<0 392	<0 455	<0 45
Nitrobenzene	8270C	mg/kg	<0 447	<0 42	<0 453	<0 445	<0 392	<0 455	<0 45
N-Nitroso-di-n-propylamine	8270C	mg/kg	<0 447	<0 42	<0 453	<0 445	<0 392	<0 455	<0 45
N-Nitrosodiphenylamine	8270C	mg/kg	<0 447	<0 42	<0 453	<0 445	<0 392	<0 455	<0 45
Pentachlorophenol	8270C	mg/kg	<4 47	<4 2	<4 53J	<4 45	<3 92	<4 55	<4 5
Phenanthrene	8270C	mg/kg	<0 447	<0 42	<0 453	<0.445	<0 392	<0 455	<0 45
Phenol	8270C	mg/kg	<0 406	<0 382	<0 412	<0 404	<0 356	<0 413	<0 409
Pyrene	8270C	mg/kg	<0 948	<0 891	<0 961	<0 943	<0 831	<0 964	<0 955

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
Q One or more quality control criteria failed
J Estimated Result

TABLE E-11
TA-3 GRID SAMPLES, ANALYTICAL RESULTS - SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

		Sample ID	TA3-A4-5	TA3-A4-10	TA3-A4-10 DUP	TA3-A4-15	TA3-A5-5	TA3-A5-10	TA3-A5-15
		Lab ID	L09020666-07	L09020666-08	L09020666-18	L09020666-09	L09020666-04	L09020666-05	L09020666-06
		Date	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009
Analyte	Method	Units							
1,2,4-Trichlorobenzene	8270C	mg/kg	<0 856	<0 79	<0 905	<0 831	<0 965	<0 939	<0 954
1,2-Dichlorobenzene	8270C	mg/kg	<0 856	<0 79	<0 905	<0 831	<0 965	<0 939	<0 954
1,3-Dichlorobenzene	8270C	mg/kg	<0 856	<0 79	<0 905	<0 831	<0 965	<0 939	<0 954
1,4-Dichlorobenzene	8270C	mg/kg	<0 856	<0 79	<0 905	<0 831	<0 965	<0 939	<0 954
2,4,5-Trichlorophenol	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
2,4,6-Trichlorophenol	8270C	mg/kg	<0 367	<0 339	<0 388	<0 356	<0 414	<0 402	<0 409
2,4-Dichlorophenol	8270C	mg/kg	<0 367	<0 339	<0 388	<0 356	<0 414	<0 402	<0 409
2,4-Dimethylphenol	8270C	mg/kg	<0 367	<0 339	<0 388	<0 356	<0 414	<0 402	<0 409
2,4-Dinitrophenol	8270C	mg/kg	<1 96	<1 81	<2 07	<1 9	<2 21	<2 15	<2 18
2,4-Dinitrotoluene	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
2,6-Dinitrotoluene	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
2-Chloronaphthalene	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
2-Chlorophenol	8270C	mg/kg	<0 367	<0 339	<0 388	<0 356	<0 414	<0 402	<0 409
2-Methylnaphthalene	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
2-Methylphenol	8270C	mg/kg	<0 367	<0 339	<0 388	<0 356	<0 414	<0 402	<0 409
2-Nitroaniline	8270C	mg/kg	<1 96	<1 81	<2 07	<1 9	<2 21	<2 15	<2 18
2-Nitrophenol	8270C	mg/kg	<0 367	<0 339	<0 388	<0 356	<0 414	<0 402	<0 409
3,3'-Dichlorobenzidine	8270C	mg/kg	<1 59	<1 47	<1 68	<1 54	<1 79	<1 74	<1 77
3-,4-Methylphenol	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
3-Nitroaniline	8270C	mg/kg	<1 96	<1 81	<2 07	<1 9	<2 21	<2 15	<2 18
4,6-Dinitro-2-methylphenol	8270C	mg/kg	<1 96	<1 81	<2 07	<1 9	<2 21	<2 15	<2 18
4-Bromophenyl-phenylether	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
4-Chloro-3-methylphenol	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
4-Chloroaniline	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
4-Chlorophenyl-phenyl ether	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
4-Nitroaniline	8270C	mg/kg	<1 96	<1 81	<2 07	<1 9	<2 21	<2 15	<2 18
4-Nitrophenol	8270C	mg/kg	<1 96	<1 81	<2 07	<1 9	<2 21	<2 15	<2 18
Acenaphthene	8270C	mg/kg	0 175 F	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Acenaphthylene	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Anthracene	8270C	mg/kg	0 308 F	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Benzo(a)anthracene	8270C	mg/kg	0 714	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Benzo(a)pyrene	8270C	mg/kg	0 589	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Benzo(b)fluoranthene	8270C	mg/kg	0 718	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Benzo(g,h,i)Perylene	8270C	mg/kg	0 306 F	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Benzo(k)fluoranthene	8270C	mg/kg	0 619	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Benzoic acid	8270C	mg/kg	<6 12Q	<5 64Q	<6 47Q	<5 93Q	<6 9Q	<6 71Q	<6 82Q
Benzyl alcohol	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Bis(2-Chloroethoxy)Methane	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Bis(2-Chloroethyl)ether	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
bis(2-Chloroisopropyl)ether	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
bis(2-Ethylhexyl)phthalate	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Butylbenzylphthalate	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Chrysene	8270C	mg/kg	0 797	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Dibenzo(a,h)Anthracene	8270C	mg/kg	0 117 F	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Dibenzofuran	8270C	mg/kg	0 124 F	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Diethylphthalate	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Dimethylphthalate	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Di-N-Butylphthalate	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Di-n-octylphthalate	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Fluoranthene	8270C	mg/kg	2 28	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Fluorene	8270C	mg/kg	0 131 F	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Hexachlorobenzene	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Hexachlorobutadiene	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Hexachlorocyclopentadiene	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Hexachloroethane	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Indeno(1,2,3-cd)pyrene	8270C	mg/kg	0 324 F	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Isophorone	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Naphthalene	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Nitrobenzene	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
N-Nitroso-di-n-propylamine	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
N-Nitrosodiphenylamine	8270C	mg/kg	<0 404	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Pentachlorophenol	8270C	mg/kg	<4 04	<3 72	<4 27	<3 92	<4 55	<4 43	<4 5
Phenanthrene	8270C	mg/kg	1 21	<0 372	<0 427	<0 392	<0 455	<0 443	<0 45
Phenol	8270C	mg/kg	<0 367	<0 339	<0 388	<0 356	<0 414	<0 402	<0 409
Pyrene	8270C	mg/kg	1 77	<0 79	<0 905	<0 831	<0 965	<0 939	<0 954

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
Q One or more quality control criteria failed
J Estimated Result

TABLE E-11
TA-3 GRID SAMPLES, ANALYTICAL RESULTS - SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

		Sample ID	TA3-B1-5	TA3-B1-10	TA3-B1-15	TA3-B2-5	TA3-B2-10	TA3-B2-15	TA3-B3-5
		Lab ID	L09020665-04	L09020665-05	L09020665-06	L09020665-07	L09020665-08	L09020665-09	L09020665-10
		Date	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009
Analyte	Method	Units							
1,2,4-Trichlorobenzene	8270C	mg/kg	<0 921	<0 879	<0 887	<8.94	<1 01	<0.99	<0 945
1,2-Dichlorobenzene	8270C	mg/kg	<0 921	<0 879	<0 887	<8.94	<1 01	<0 99	<0 945
1,3-Dichlorobenzene	8270C	mg/kg	<0 921	<0 879	<0 887	<8.94	<1 01	<0 99	<0 945
1,4-Dichlorobenzene	8270C	mg/kg	<0 921	<0 879	<0 887	<8.94	<1 01	<0 99	<0 945
2,4,5-Trichlorophenol	8270C	mg/kg	<0 434	<0 414	<0 418	<4.21	<0 477	<0 467	<0 445
2,4,6-Trichlorophenol	8270C	mg/kg	<0 395	<0 377	<0.38	<3 83	<0 434	<0 424	<0 405
2,4-Dichlorophenol	8270C	mg/kg	<0 395	<0 377	<0.38	<3 83	<0 434	<0 424	<0 405
2,4-Dimethylphenol	8270C	mg/kg	<0 395	<0 377	<0 38	<3 83	<0 434	<0 424	<0 405
2,4-Dinitrophenol	8270C	mg/kg	<2 11Q	<2 01Q	<2 03Q	<20 4Q	<2 31Q	<2 26Q	<2 16Q
2,4-Dinitrotoluene	8270C	mg/kg	<0 434	<0 414	<0 418	<4 21	<0 477	<0 467	<0 445
2,6-Dinitrotoluene	8270C	mg/kg	<0 434	<0 414	<0 418	<4 21	<0 477	<0 467	<0 445
2-Chloronaphthalene	8270C	mg/kg	<0 434	<0.414	<0.418	<4 21	<0.477	<0 467	<0 445
2-Chlorophenol	8270C	mg/kg	<0.395	<0 377	<0 38	<3 83	<0.434	<0 424	<0 405
2-Methylnaphthalene	8270C	mg/kg	<0 434	<0 414	<0.418	1 06 F	<0.477	<0 467	<0.445
2-Methylphenol	8270C	mg/kg	<0 395	<0 377	<0 38	<3 83	<0.434	<0.424	<0 405
2-Nitroaniline	8270C	mg/kg	<2 11	<2 01	<2 03	<20 4	<2 31	<2.26	<2.16
2-Nitrophenol	8270C	mg/kg	<0 395	<0.377	<0 38	<3 83	<0.434	<0.424	<0 405
3,3'-Dichlorobenzidine	8270C	mg/kg	<1 71	<1 63	<1 65	<16.6	<1 88	<1 84	<1 75
3-,4-Methylphenol	8270C	mg/kg	<0 434	<0.414	<0.418	5 16	<0.477	<0.467	<0 445
3-Nitroaniline	8270C	mg/kg	<2 11	<2 01	<2 03	<20 4	<2 31	<2 26	<2 16
4,6-Dinitro-2-methylphenol	8270C	mg/kg	<2 11	<2 01	<2 03	<20 4	<2 31	<2 26	<2 16
4-Bromophenyl-phenylether	8270C	mg/kg	<0 434	<0 414	<0 418	<4 21	<0 477	<0 467	<0 445
4-Chloro-3-methylphenol	8270C	mg/kg	<0 434	<0 414	<0 418	<4.21	<0 477	<0 467	<0 445
4-Chloroaniline	8270C	mg/kg	<0 434	<0 414	<0 418	<4.21	<0 477	<0 467	<0 445
4-Chlorophenyl-phenyl ether	8270C	mg/kg	<0 434	<0 414	<0 418	<4 21	<0 477	<0 467	<0 445
4-Nitroaniline	8270C	mg/kg	<2 11	<2 01	<2 03	<20 4	<2 31	<2 26	<2 16
4-Nitrophenol	8270C	mg/kg	<2 11	<2 01	<2 03	<20 4	<2 31	<2 26	<2 16
Acenaphthene	8270C	mg/kg	<0 434	<0 414	<0 418	8 97	<0 477	<0 467	<0 445
Acenaphthylene	8270C	mg/kg	<0 434	<0 414	<0 418	<4 21	<0 477	<0 467	<0 445
Anthracene	8270C	mg/kg	<0 434	<0 414	<0 418	15	<0 477	<0 467	<0 445
Benzo(a)anthracene	8270C	mg/kg	0 136 F	<0 414	<0 418	45 4	<0 477	<0 467	<0.445
Benzo(a)pyrene	8270C	mg/kg	0 145 F	<0 414	<0 418	41 7	<0.477	<0 467	<0.445
Benzo(b)fluoranthene	8270C	mg/kg	0 156 F	<0 414	<0 418	41 2	<0 477	<0 467	<0 445
Benzo(g,h,i)Perylene	8270C	mg/kg	<0 434	<0 414	<0 418	20 1	<0.477	<0 467	<0.445
Benzo(k)fluoranthene	8270C	mg/kg	0 125 F	<0 414	<0 418	43 1	<0 477	<0 467	<0 445
Benzoic acid	8270C	mg/kg	<6 58Q	<6 28Q	<6.34Q	<63 8Q	<7 23Q	<7 07Q	<6.75Q
Benzyl alcohol	8270C	mg/kg	<0 434	<0 414	<0.418	<4 21	<0 477	<0.467	<0 445
Bis(2-Chloroethoxy)Methane	8270C	mg/kg	<0 434	<0 414	<0 418	<4 21	<0 477	<0.467	<0 445
Bis(2-Chloroethyl)ether	8270C	mg/kg	<0 434	<0 414	<0 418	<4 21	<0 477	<0.467	<0 445
bis(2-Chloroisopropyl)ether	8270C	mg/kg	<0 434	<0 414	<0 418	<4.21	<0 477	<0.467	<0 445
bis(2-Ethylhexyl)phthalate	8270C	mg/kg	<0 434Q	<0 414Q	<0 418Q	<4.21Q	<0 477Q	<0.467Q	<0 445Q
Butylbenzylphthalate	8270C	mg/kg	<0 434Q	<0 414Q	<0 418Q	<4.21Q	<0 477Q	<0.467Q	<0 445Q
Chrysene	8270C	mg/kg	0 165 F	<0 414	<0 418	48 6	<0 477	<0 467	<0 445
Dibenzo(a,h)Anthracene	8270C	mg/kg	<0 434	<0 414	<0 418	8 07	<0 477	<0 467	<0 445
Dibenzofuran	8270C	mg/kg	<0 434	<0 414	<0 418	4 78	<0 477	<0 467	<0 445
Diethylphthalate	8270C	mg/kg	<0 434	<0 414	<0 418	<4 21	<0 477	<0 467	<0 445
Dimethylphthalate	8270C	mg/kg	<0 434	<0 414	<0 418	<4 21	<0 477	<0 467	<0 445
Di-N-Butylphthalate	8270C	mg/kg	<0 434Q	<0 414Q	<0 418Q	<4 21Q	<0 477Q	<0 467Q	<0.445Q
Di-n-octylphthalate	8270C	mg/kg	<0 434Q	<0 414Q	<0 418Q	<4 21Q	<0 477Q	<0 467Q	<0.445Q
Fluoranthene	8270C	mg/kg	0 388 F	<0 414	<0 418	109	<0 477	<0 467	<0 445
Fluorene	8270C	mg/kg	<0 434	<0 414	<0.418	11 3	<0.477	<0 467	<0 445
Hexachlorobenzene	8270C	mg/kg	<0 434	<0.414	<0 418	<4 21	<0 477	<0 467	<0 445
Hexachlorobutadiene	8270C	mg/kg	<0 434	<0.414	<0.418	<4 21	<0.477	<0 467	<0 445
Hexachlorocyclopentadiene	8270C	mg/kg	<0 434	<0 414	<0.418	<4 21	<0.477	<0 467	<0 445
Hexachloroethane	8270C	mg/kg	<0 434	<0 414	<0 418	<4.21	<0.477	<0.467	<0 445
Indeno(1,2,3-cd)pyrene	8270C	mg/kg	<0 434	<0 414	<0 418	21	<0 477	<0.467	<0 445
Isophorone	8270C	mg/kg	<0 434	<0 414	<0 418	<4.21	<0 477	<0 467	<0 445
Naphthalene	8270C	mg/kg	<0 434	<0 414	<0 418	2 38 F	<0 477	<0 467	<0 445
Nitrobenzene	8270C	mg/kg	<0 434	<0 414	<0 418	<4 21	<0 477	<0 467	<0 445
N-Nitroso-di-n-propylamine	8270C	mg/kg	<0 434	<0 414	<0 418	<4 21	<0 477	<0 467	<0 445
N-Nitrosodiphenylamine	8270C	mg/kg	<0 434	<0 414	<0 418	<4 21	<0 477	<0 467	<0 445
Pentachlorophenol	8270C	mg/kg	<4 34Q	<4 14Q	<4 18Q	<42 1Q	<4 77Q	<4 67Q	<4 45Q
Phenanthrene	8270C	mg/kg	0 279 F	<0 414	<0 418	77 8	0 142 F	<0 467	<0 445
Phenol	8270C	mg/kg	<0 395	<0 377	<0 38	<3.83	<0.434	<0.424	<0 405
Pyrene	8270C	mg/kg	0 297 F	<0 879	<0 887	82 9	<1 01	<0 99	<0 945

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
Q One or more quality control criteria failed
J Estimated Result

TABLE E-11
TA-3 GRID SAMPLES, ANALYTICAL RESULTS - SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Method	Sample ID / Lab ID / Date / Units	TA3-B3-10 L09020665-11 2/25/2009	TA3-B3-15 L09020665-12 2/25/2009	TA3-B4-5 L09020665-18 2/25/2009	TA3-B4-10 L09020665-19 2/25/2009	TA3-B4-15 L09020665-20 2/25/2009	TA3-B5-5 L09020666-01 2/25/2009	TA3-B5-10 L09020666-02 2/25/2009
1,2,4-Trichlorobenzene	8270C	mg/kg	<0 894	<0 987	<18 2	<0 871	<0 849	<4 32	<0 933
1,2-Dichlorobenzene	8270C	mg/kg	<0 894	<0 987	<18 2	<0 871	<0 849	<4 32	<0 933
1,3-Dichlorobenzene	8270C	mg/kg	<0 894	<0 987	<18 2	<0 871	<0 849	<4 32	<0 933
1,4-Dichlorobenzene	8270C	mg/kg	<0 894	<0 987	<18 2	<0 871	<0 849	<4 32	<0 933
2,4,5-Trichlorophenol	8270C	mg/kg	<0 422	<0 465	<8 57	<0 411	<0 4	<2 04	<0 44
2,4,6-Trichlorophenol	8270C	mg/kg	<0 383	<0 423	<7 79	<0 373	<0 364	<1 85	<0 4
2,4-Dichlorophenol	8270C	mg/kg	<0 383	<0 423	<7 79	<0 373	<0 364	<1 85	<0 4
2,4-Dimethylphenol	8270C	mg/kg	<0 383	<0 423	<7 79	<0 373	<0 364	<1 85	<0 4
2,4-Dinitrophenol	8270C	mg/kg	<2 04Q	<2 26Q	<41 5Q	<1 99Q	<1 94Q	<9 88	<2 13
2,4-Dinitrotoluene	8270C	mg/kg	<0 422	<0 465	<8 57	<0 411	<0 4	<2 04	<0 44
2,6-Dinitrotoluene	8270C	mg/kg	<0 422	<0 465	<8 57	<0 411	<0 4	<2 04	<0 44
2-Chloronaphthalene	8270C	mg/kg	<0 422	<0 465	<8 57	<0 411	<0 4	<2 04	<0 44
2-Chlorophenol	8270C	mg/kg	<0 383	<0 423	<7 79	<0 373	<0 364	<1 85	<0 4
2-Methylnaphthalene	8270C	mg/kg	<0 422	<0 465	4 45 F	<0 411	<0 4	<2 04	<0 44
2-Methylphenol	8270C	mg/kg	<0 383	<0 423	<7 79	<0 373	<0 364	<1 85	<0 4
2-Nitroaniline	8270C	mg/kg	<2 04	<2 26	<41 5	<1 99	<1 94	<9 88	<2 13
2-Nitrophenol	8270C	mg/kg	<0 383	<0 423	<7 79	<0 373	<0 364	<1 85	<0 4
3,3'-Dichlorobenzidine	8270C	mg/kg	<1 66	<1 83	<33 7	<1 62	<1 58	<8 03	<1 73
3-,4-Methylphenol	8270C	mg/kg	<0 422	<0 465	<8 57	<0 411	<0 4	<2 04	<0 44
3-Nitroaniline	8270C	mg/kg	<2 04	<2 26	<41 5	<1 99	<1 94	<9 88	<2 13
4,6-Dinitro-2-methylphenol	8270C	mg/kg	<2 04	<2 26	<41 5	<1 99	<1 94	<9 88	<2 13
4-Bromophenyl-phenylether	8270C	mg/kg	<0 422	<0 465	<8 57	<0 411	<0 4	<2 04	<0 44
4-Chloro-3-methylphenol	8270C	mg/kg	<0 422	<0 465	<8 57	<0 411	<0 4	<2 04	<0 44
4-Chloroaniline	8270C	mg/kg	<0 422	<0 465	<8 57	<0 411	<0 4	<2 04	<0 44
4-Chlorophenyl-phenyl ether	8270C	mg/kg	<0 422	<0 465	<8 57	<0 411	<0 4	<2 04	<0 44
4-Nitroaniline	8270C	mg/kg	<2 04	<2 26	<41 5	<1 99	<1 94	<9 88	<2.13
4-Nitrophenol	8270C	mg/kg	<2 04	<2 26	<41 5	<1 99	<1 94	<9 88	<2.13
Acenaphthene	8270C	mg/kg	<0 422	<0 465	50	0 103 F	<0 4	<2 04	<0 44
Acenaphthylene	8270C	mg/kg	<0 422	<0 465	<8 57	<0 411	<0 4	<2 04	<0 44
Anthracene	8270C	mg/kg	<0 422	<0 465	71 6	<0 411	<0 4	<2 04	<0 44
Benzo(a)anthracene	8270C	mg/kg	<0 422	<0 465	160	<0 411	<0 4	<2 04	<0 44
Benzo(a)pyrene	8270C	mg/kg	<0 422	<0 465	139	<0 411	<0 4	<2 04	<0 44
Benzo(b)fluoranthene	8270C	mg/kg	<0 422	<0 465	142	<0 411	<0 4	<2 04	<0 44
Benzo(g,h,i)Perylene	8270C	mg/kg	<0 422	<0 465	64 8	<0 411	<0 4	<2 04	<0 44
Benzo(k)fluoranthene	8270C	mg/kg	<0 422	<0 465	138	<0 411	<0 4	<2 04	<0 44
Benzoic acid	8270C	mg/kg	<6 39Q	<7 05Q	<130Q	<6 22Q	<6 07Q	<30 9Q	1.13 Q
Benzyl alcohol	8270C	mg/kg	<0 422	<0 465	<8 57	<0 411	<0 4	<2 04	<0 44
Bis(2-Chloroethoxy)Methane	8270C	mg/kg	<0 422	<0 465	<8 57	<0 411	<0 4	<2 04	<0 44
Bis(2-Chloroethyl)ether	8270C	mg/kg	<0 422	<0 465	<8 57	<0 411	<0 4	<2 04	<0 44
bis(2-Chloroisopropyl)ether	8270C	mg/kg	<0 422	<0 465	<8 57	<0 411	<0 4	<2 04	<0 44
bis(2-Ethylhexyl)phthalate	8270C	mg/kg	<0 422Q	<0 465Q	<8 57Q	<0 411Q	<0 4Q	<2 04	<0 44
Butylbenzylphthalate	8270C	mg/kg	<0 422Q	<0 465Q	<8 57Q	<0 411Q	<0 4Q	<2 04	<0 44
Chrysene	8270C	mg/kg	<0 422	<0 465	173	<0 411	<0 4	<2 04	<0 44
Dibenzo(a,h)Anthracene	8270C	mg/kg	<0 422	<0 465	28 5	<0 411	<0 4	<2 04	<0 44
Dibenzofuran	8270C	mg/kg	<0 422	<0 465	22 2	<0 411	<0 4	<2 04	<0 44
Diethylphthalate	8270C	mg/kg	<0 422	<0 465	<8 57	<0 411	<0 4	<2 04	<0 44
Dimethylphthalate	8270C	mg/kg	<0 422	<0 465	<8 57	<0 411	<0 4	<2 04	<0 44
Di-N-Butylphthalate	8270C	mg/kg	<0 422Q	<0 465Q	<8 57Q	<0 411Q	<0 4Q	<2 04	<0 44
Di-n-octylphthalate	8270C	mg/kg	<0 422Q	<0 465Q	<8 57Q	<0 411Q	<0 4Q	<2 04	<0 44
Fluoranthene	8270C	mg/kg	<0 422	<0 465	464	0 227 F	<0 4	<2 04	<0 44
Fluorene	8270C	mg/kg	<0 422	<0 465	38 4	<0 411	<0 4	<2 04	<0 44
Hexachlorobenzene	8270C	mg/kg	<0 422	<0 465	<8 57	<0 411	<0 4	<2 04	<0 44
Hexachlorobutadiene	8270C	mg/kg	<0 422	<0 465	<8 57	<0 411	<0 4	<2 04	<0 44
Hexachlorocyclopentadiene	8270C	mg/kg	<0 422	<0 465	<8 57	<0 411	<0 4	<2 04	<0 44
Hexachloroethane	8270C	mg/kg	<0 422	<0 465	<8 57	<0 411	<0 4	<2 04	<0 44
Indeno(1,2,3-cd)pyrene	8270C	mg/kg	<0 422	<0 465	71 4	<0 411	<0 4	<2 04	<0 44
Isophorone	8270C	mg/kg	<0 422	<0 465	<8 57	<0 411	<0 4	<2 04	<0 44
Naphthalene	8270C	mg/kg	<0 422	<0 465	8 55 F	<0 411	<0 4	<2 04	<0 44
Nitrobenzene	8270C	mg/kg	<0 422	<0 465	<8 57	<0 411	<0 4	<2 04	<0 44
N-Nitroso-di-n-propylamine	8270C	mg/kg	<0 422	<0 465	<8 57	<0 411	<0 4	<2 04	<0 44
N-Nitrosodiphenylamine	8270C	mg/kg	<0 422	<0 465	<8 57	<0 411	<0 4	<2 04	<0 44
Pentachlorophenol	8270C	mg/kg	<4 22Q	<4 65Q	<85 7Q	<4 11Q	<4Q	<20 4	<4 4
Phenanthrene	8270C	mg/kg	<0 422	<0 465	320	0 437	<0 4	<2 04	<0 44
Phenol	8270C	mg/kg	<0 383	<0 423	<7 79	<0 373	<0 364	<1 85	<0 4
Pyrene	8270C	mg/kg	<0 894	<0 987	327	0 147 F	<0 849	<4 32	<0 933

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
Q One or more quality control criteria failed
J Estimated Result

TABLE E-11
TA-3 GRID SAMPLES, ANALYTICAL RESULTS - SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

		Sample ID	TA3-B5-15	TA3-C1-5	TA3-C1-10	TA3-C1-15	TA3-C2-5	TA3-C2-10	TA3-C2-10 DUP
		Lab ID	L09020666-03	L09020665-01	L09020665-02	L09020665-03	L09020667-18	L09020667-19	L09020665-17
		Date	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009
Analyte	Method	Units							
1,2,4-Trichlorobenzene	8270C	mg/kg	<0 945	<0 995	<0 942	<0 851	<8 71	<0 934	<0 895
1,2-Dichlorobenzene	8270C	mg/kg	<0 945	<0 995	<0 942	<0 851	<8 71	<0 934	<0 895
1,3-Dichlorobenzene	8270C	mg/kg	<0 945	<0 995	<0 942	<0 851	<8 71	<0 934	<0 895
1,4-Dichlorobenzene	8270C	mg/kg	<0 945	<0 995	<0 942	<0 851	<8 71	<0 934	<0 895
2,4,5-Trichlorophenol	8270C	mg/kg	<0 445	<0 469	<0 444	<0 401	<4 11	<0 44	<0 422
2,4,6-Trichlorophenol	8270C	mg/kg	<0 405	<0 426	<0 404	<0 365	<3 73	<0 4	<0 384
2,4-Dichlorophenol	8270C	mg/kg	<0 405	<0 426	<0 404	<0 365	<3 73	<0 4	<0 384
2,4-Dimethylphenol	8270C	mg/kg	<0 405	<0 426	<0 404	<0 365	<3 73	<0 4	<0 384
2,4-Dinitrophenol	8270C	mg/kg	<2 16	<2 27Q	<2 15Q	<1 95Q	<19 9	<2 13	<2 05Q
2,4-Dinitrotoluene	8270C	mg/kg	<0 445	<0 469	<0 444	<0 401	<4 11	<0 44	<0 422
2,6-Dinitrotoluene	8270C	mg/kg	<0 445	<0 469	<0 444	<0 401	<4 11	<0 44	<0 422
2-Chloronaphthalene	8270C	mg/kg	<0 445	<0 469	<0 444	<0 401	<4 11	<0 44	<0 422
2-Chlorophenol	8270C	mg/kg	<0 405	<0 426	<0 404	<0 365	<3 73	<0 4	<0 384
2-Methylnaphthalene	8270C	mg/kg	<0 445	<0 469	<0 444	<0 401	<4 11	<0 44	<0 422
2-Methylphenol	8270C	mg/kg	<0 405	<0 426	<0 404	<0 365	<3 73	<0 4	<0 384
2-Nitroaniline	8270C	mg/kg	<2 16	<2 27	<2 15	<1 95	<19 9	<2 13	<2 05
2-Nitrophenol	8270C	mg/kg	<0 405	<0 426	<0 404	<0 365	<3 73	<0 4	<0 384
3,3'-Dichlorobenzidine	8270C	mg/kg	<1 75	<1 85	<1 75	<1 58	<16 2	<1 73	<1 66
3-,4-Methylphenol	8270C	mg/kg	<0 445	3 26	0 775	<0 401	<4 11	0 433 F	0 18 F
3-Nitroaniline	8270C	mg/kg	<2 16	<2 27	<2 15	<1 95	<19 9	<2 13	<2 05
4,6-Dinitro-2-methylphenol	8270C	mg/kg	<2 16	<2 27	<2 15	<1 95	<19 9	<2 13	<2 05
4-Bromophenyl-phenylether	8270C	mg/kg	<0 445	<0 469	<0 444	<0 401	<4 11	<0 44	<0 422
4-Chloro-3-methylphenol	8270C	mg/kg	<0 445	<0 469	<0 444	<0 401	<4 11	<0 44	<0 422
4-Chloroaniline	8270C	mg/kg	<0 445	<0 469	<0 444	<0 401	<4 11	<0 44	<0 422
4-Chlorophenyl-phenyl ether	8270C	mg/kg	<0 445	<0 469	<0 444	<0 401	<4 11	<0 44	<0 422
4-Nitroaniline	8270C	mg/kg	<2 16	<2 27	<2 15	<1 95	<19 9	<2 13	<2 05
4-Nitrophenol	8270C	mg/kg	<2 16	<2 27	<2 15	<1 95	<19 9	<2 13	<2 05
Acenaphthene	8270C	mg/kg	<0 445	0 275 F	<0 444	<0 401	<4 11	0 223 F	<0 422
Acenaphthylene	8270C	mg/kg	<0 445	<0 469	<0 444	<0 401	<4 11	<0 44	<0 422
Anthracene	8270C	mg/kg	<0 445	0 37 F	<0 444	<0 401	<4 11	0 378 F	0 113 F
Benzo(a)anthracene	8270C	mg/kg	<0 445	1 41	0 204 F	<0 401	2 7 F	0 835	<0 422
Benzo(a)pyrene	8270C	mg/kg	<0 445	1 35	0 259 F	<0 401	2 45 F	0 794	<0 422
Benzo(b)fluoranthene	8270C	mg/kg	<0 445	1 41	0 228 F	<0 401	2 47 F	0 847	<0 422
Benzo(g,h,i)Perylene	8270C	mg/kg	<0 445	0 921	0 194 F	<0 401	1 81 F	0 36 F	<0 422
Benzo(k)fluoranthene	8270C	mg/kg	<0 445	1 32	0 253 F	<0 401	2 34 F	0 862	<0 422
Benzoic acid	8270C	mg/kg	<6 75Q	<7 11Q	<6 73Q	<6 08Q	<62 2Q	<6 67Q	<6 39Q
Benzyl alcohol	8270C	mg/kg	<0 445	<0 469	<0 444	<0 401	<4 11	<0 44	<0 422
Bis(2-Chloroethoxy)Methane	8270C	mg/kg	<0 445	<0 469	<0 444	<0 401	<4 11	<0 44	<0 422
Bis(2-Chloroethyl)ether	8270C	mg/kg	<0 445	<0 469	<0 444	<0 401	<4 11	<0 44	<0 422
bis(2-Chloroisopropyl)ether	8270C	mg/kg	<0 445	<0 469	<0 444	<0 401	<4 11	<0 44	<0 422
bis(2-Ethylhexyl)phthalate	8270C	mg/kg	<0 445	<0 489Q	<0 444Q	<0 401Q	<4 11	<0 44	<0 422Q
Butylbenzylphthalate	8270C	mg/kg	<0 445	<0 469Q	<0 444Q	<0 401Q	<4 11	<0 44	<0 422Q
Chrysene	8270C	mg/kg	<0 445	1 6	0 229 F	<0 401	3 17 F	0 964	<0 422
Dibenzo(a,h)Anthracene	8270C	mg/kg	<0 445	<0 469	<0 444	<0 401	<4 11	0 157 F	<0 422
Dibenzofuran	8270C	mg/kg	<0 445	0 124 F	<0 444	<0 401	<4 11	<0 44	<0 422
Diethylphthalate	8270C	mg/kg	<0 445	<0 469	<0 444	<0 401	<4 11	<0 44	<0 422
Dimethylphthalate	8270C	mg/kg	<0 445	<0 469	<0 444	<0 401	<4 11	<0 44	<0 422
Di-N-Butylphthalate	8270C	mg/kg	<0 445	<0 469Q	<0 444Q	<0 401Q	<4 11	<0 44	<0 422Q
Di-n-octylphthalate	8270C	mg/kg	<0 445	<0 469Q	<0 444Q	<0 401Q	<4 11	<0 44	<0 422Q
Fluoranthene	8270C	mg/kg	<0 445	3 93	0 452	<0 401	6 95	3 16	0 549
Fluorene	8270C	mg/kg	<0 445	0 217 F	<0 444	<0 401	<4 11	0 233 F	<0 422
Hexachlorobenzene	8270C	mg/kg	<0 445	<0 469	<0 444	<0 401	<4 11	<0 44	<0 422
Hexachlorobutadiene	8270C	mg/kg	<0 445	<0 469	<0 444	<0 401	<4 11	<0 44	<0 422
Hexachlorocyclopentadiene	8270C	mg/kg	<0 445	<0 469	<0 444	<0 401	<4 11	<0 44	<0 422
Hexachloroethane	8270C	mg/kg	<0 445	<0 469	<0 444	<0 401	<4 11	<0 44	<0 422
Indeno(1,2,3-cd)pyrene	8270C	mg/kg	<0 445	0 909	0 181 F	<0 401	1 73 F	0 391 F	<0 422
Isophorone	8270C	mg/kg	<0 445	<0 469	<0 444	<0 401	<4 11	<0 44	<0 422
Naphthalene	8270C	mg/kg	<0 445	<0 469	<0 444	<0 401	<4 11	<0 44	<0 422
Nitrobenzene	8270C	mg/kg	<0 445	<0 469	<0 444	<0 401	<4 11	<0 44	<0 422
N-Nitroso-di-n-propylamine	8270C	mg/kg	<0 445	<0 469	<0 444	<0 401	<4 11	<0 44	<0 422
N-Nitrosodiphenylamine	8270C	mg/kg	<0 445	<0 469	<0 444	<0 401	<4 11	<0 44	<0 422
Pentachlorophenol	8270C	mg/kg	<4 45	<4 69Q	<4 44Q	<4 01Q	<41 1	<4 4	<4 22Q
Phenanthrene	8270C	mg/kg	<0 445	2 54	0 366 F	<0 401	5 5	2 35	0 925
Phenol	8270C	mg/kg	<0 405	<0 426	<0 404	<0 365	<3 73	0 149 F	0 254 F
Pyrene	8270C	mg/kg	<0 945	2 85	0 364 F	<0 851	5 43 F	2 44	0 3 F

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
Q One or more quality control criteria failed
J Estimated Result

TABLE E-11
TA-3 GRID SAMPLES, ANALYTICAL RESULTS - SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

		Sample ID	TA3-C2-15	TA3-C3-6	TA3-C3-11	TA3-C4-5	TA3-C4-10	TA3-C4-15	TA3-C5-5
		Lab ID	L09020667-20	L09020667-16	L09020667-17	L09020667-13	L09020667-14	L09020667-15	L09020667-10
		Date	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009
Analyte	Method	Units							
1,2,4-Trichlorobenzene	8270C	mg/kg	<0 978	<0 925	<0 954	<18 4	<0 784	<0 857	<4 34
1,2-Dichlorobenzene	8270C	mg/kg	<0 978	<0 925	<0 954	<18 4	<0 784	<0 857	<4 34
1,3-Dichlorobenzene	8270C	mg/kg	<0 978	<0 925	<0 954	<18 4	<0 784	<0 857	<4 34
1,4-Dichlorobenzene	8270C	mg/kg	<0 978	<0 925	<0 954	<18 4	<0 784	<0 857	<4 34
2,4,5-Trichlorophenol	8270C	mg/kg	<0 461	<0 436	<0 45	<8 65	<0 37	<0 404	<2 05
2,4,6-Trichlorophenol	8270C	mg/kg	<0 419	<0 396	<0 409	<7 87	<0 336	<0 367	<1 86
2,4-Dichlorophenol	8270C	mg/kg	<0 419	<0 396	<0 409	<7 87	<0 336	<0 367	<1 86
2,4-Dimethylphenol	8270C	mg/kg	<0 419	<0 396	<0 409	<7 87	<0 336	<0 367	<1 86
2,4-Dinitrophenol	8270C	mg/kg	<2 24	<2 11	<2 18	<42	<1 79	<1 96	<9 92
2,4-Dinitrotoluene	8270C	mg/kg	<0 461	<0 436	<0 45	<8 65	<0 37	<0 404	<2 05
2,6-Dinitrotoluene	8270C	mg/kg	<0 461	<0 436	<0 45	<8 65	<0 37	<0 404	<2 05
2-Chloronaphthalene	8270C	mg/kg	<0 461	<0 436	<0 45	<8 65	<0 37	<0 404	<2 05
2-Chlorophenol	8270C	mg/kg	<0 419	<0 396	<0 409	<7 87	<0 336	<0 367	<1 86
2-Methylnaphthalene	8270C	mg/kg	<0 461	<0 436	<0 45	5 56 F	<0 37	<0 404	<2 05
2-Methylphenol	8270C	mg/kg	<0 419	<0 396	<0 409	<7 87	<0 336	<0 367	<1 86
2-Nitroaniline	8270C	mg/kg	<2 24	<2 11	<2 18	<42	<1 79	<1 96	<9 92
2-Nitrophenol	8270C	mg/kg	<0 419	<0 396	<0 409	<7 87	<0 336	<0 367	<1 86
3,3'-Dichlorobenzidine	8270C	mg/kg	<1 82	<1 72	<1 77	<34 1	<1 46	<1 59	<8 06
3-,4-Methylphenol	8270C	mg/kg	<0 461	1 09	<0 45	<8 65	<0 37	<0 404	<2 05
3-Nitroaniline	8270C	mg/kg	<2 24	<2 11	<2 18	<42	<1,79	<1 96	<9 92
4,6-Dinitro-2-methylphenol	8270C	mg/kg	<2 24	<2 11	<2,18	<42	<1 79	<1 96	<9 92
4-Bromophenyl-phenylether	8270C	mg/kg	<0 461	<0 436	<0 45	<8 65	<0 37	<0 404	<2,05
4-Chloro-3-methylphenol	8270C	mg/kg	<0 461	<0 436	<0 45	<8 65	<0 37	<0 404	<2 05
4-Chloroaniline	8270C	mg/kg	<0 461	<0 436	<0 45	<8 65	<0 37	<0 404	<2 05
4-Chlorophenyl-phenyl ether	8270C	mg/kg	<0 461	<0 436	<0 45	<8 65	<0 37	<0 404	<2 05
4-Nitroaniline	8270C	mg/kg	<2 24	<2 11	<2 18	<42	<1 79	<1 96	<9 92
4-Nitrophenol	8270C	mg/kg	<2 24	<2 11	<2 18	<42	<1 79	<1 96	<9 92
Acenaphthene	8270C	mg/kg	<0 461	<0 436	<0 45	40 3	<0 37	<0 404	<2 05
Acenaphthylene	8270C	mg/kg	<0 461	<0 436	<0 45	<8 65	<0 37	<0 404	<2 05
Anthracene	8270C	mg/kg	<0 461	<0 436	<0 45	104	<0 37	<0 404	<2,05
Benzo(a)anthracene	8270C	mg/kg	<0 461	<0 436	<0 45	370	<0 37	<0 404	<2 05
Benzo(a)pyrene	8270C	mg/kg	<0 461	<0 436	<0 45	308	<0 37	<0 404	<2 05
Benzo(b)fluoranthene	8270C	mg/kg	<0 461	<0 436	<0 45	359	<0 37	<0 404	<2 05
Benzo(g,h,i)Perylene	8270C	mg/kg	<0 461	<0 436	<0 45	102	<0 37	<0 404	<2,05
Benzo(k)fluoranthene	8270C	mg/kg	<0 461	<0 436	<0 45	293	<0 37	<0 404	<2 05
Benzoic acid	8270C	mg/kg	<6 99Q	<6 6Q	<6 82Q	<131Q	<5 6Q	<6 12Q	<31Q
Benzyl alcohol	8270C	mg/kg	<0 461	<0 436	<0 45	<8 65	<0 37	<0 404	<2 05
Bis(2-Chloroethoxy)Methane	8270C	mg/kg	<0 461	<0 436	<0 45	<8 65	<0 37	<0 404	<2 05
Bis(2-Chloroethyl)ether	8270C	mg/kg	<0 461	<0 436	<0 45	<8 65	<0 37	<0 404	<2 05
bis(2-Chloroisopropyl)ether	8270C	mg/kg	<0 461	<0 436	<0 45	<8 65	<0 37	<0 404	<2,05
bis(2-Ethylhexyl)phthalate	8270C	mg/kg	<0 461	<0 436	<0 45	<8 65	<0 37	<0 404	<2 05
Butylbenzylphthalate	8270C	mg/kg	<0 461	<0 436	<0 45	<8 65	<0 37	<0 404	<2 05
Chrysene	8270C	mg/kg	<0 461	<0 436	<0 45	397	<0 37	<0 404	<2 05
Dibenzo(a,h)Anthracene	8270C	mg/kg	<0 461	<0 436	<0 45	39 1	<0 37	<0 404	<2 05
Dibenzofuran	8270C	mg/kg	<0 461	<0 436	<0 45	23 2	<0 37	<0 404	<2 05
Diethylphthalate	8270C	mg/kg	<0 461	<0 436	<0 45	<8 65	<0 37	<0 404	<2 05
Dimethylphthalate	8270C	mg/kg	<0 461	<0 436	<0 45	<8 65	<0 37	<0 404	<2 05
Di-N-Butylphthalate	8270C	mg/kg	<0 461	<0 436	<0 45	<8 65	<0 37	<0 404	<2 05
Di-n-octylphthalate	8270C	mg/kg	<0 461	<0 436	<0 45	<8 65	<0 37	<0 404	<2 05
Fluoranthene	8270C	mg/kg	<0 461	<0 436	<0 45	1470	0 41	<0 404	<2 05
Fluorene	8270C	mg/kg	<0 461	<0 436	<0 45	35 2	<0 37	<0 404	<2 05
Hexachlorobenzene	8270C	mg/kg	<0 461	<0 436	<0 45	<8 65	<0 37	<0 404	<2 05
Hexachlorobutadiene	8270C	mg/kg	<0 461	<0 436	<0 45	<8 65	<0 37	<0 404	<2 05
Hexachlorocyclopentadiene	8270C	mg/kg	<0 461	<0 436	<0 45	<8 65	<0 37	<0 404	<2 05
Hexachloroethane	8270C	mg/kg	<0 461	<0 436	<0 45	<8 65	<0 37	<0 404	<2 05
Indeno(1,2,3-cd)pyrene	8270C	mg/kg	<0 461	<0 436	<0 45	117	<0 37	<0 404	<2 05
Isophorone	8270C	mg/kg	<0 461	<0 436	<0 45	<8 65	<0 37	<0 404	<2 05
Naphthalene	8270C	mg/kg	<0 461	<0 436	<0 45	10	<0 37	<0 404	<2 05
Nitrobenzene	8270C	mg/kg	<0 461	<0 436	<0 45	<8 65	<0 37	<0 404	<2 05
N-Nitroso-di-n-propylamine	8270C	mg/kg	<0 461	<0 436	<0 45	<8 65	<0 37	<0 404	<2 05
N-Nitrosodiphenylamine	8270C	mg/kg	<0 461	<0 436	<0 45	<8 65	<0 37	<0 404	<2,05
Pentachlorophenol	8270C	mg/kg	<4 61	<4 36	<4 5	<86 5	<3 7	<4 04	<20 5
Phenanthrene	8270C	mg/kg	0 133 F	<0 436	<0 45	624	0 315 F	<0 404	<2 05
Phenol	8270C	mg/kg	<0 419	<0 396	<0 409	<7 87	<0 336	<0 367	<1 86
Pyrene	8270C	mg/kg	<0 978	<0 925	<0 954	1090	0 292 F	<0 857	<4 34

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
Q One or more quality control criteria failed
J Estimated Result

TABLE E-11
TA-3 GRID SAMPLES, ANALYTICAL RESULTS - SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

		Sample ID	TA3-C5-10	TA3-C5-15	TA3-D1-5	TA3-D1-10	TA3-D1-10 DUP	TA3-D1-15	TA3-D2-5
		Lab ID	L09020667-11	L09020667-12	L09020668-18	L09020668-19	L09020665-15	L09020668-20	L09020668-21
		Date	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009
Analyte	Method	Units							
1,2,4-Trichlorobenzene	8270C	mg/kg	<1 01	<0 947	<4 78J	<1 01J	<0 943	<0 915	<0 934J
1,2-Dichlorobenzene	8270C	mg/kg	<1 01	<0 947	<4 78J	<1 01J	<0 943	<0 915	<0 934J
1,3-Dichlorobenzene	8270C	mg/kg	<1 01	<0 947	<4 78J	<1 01J	<0 943	<0 915	<0 934J
1,4-Dichlorobenzene	8270C	mg/kg	<1 01	<0 947	<4 78J	<1 01J	<0 943	<0 915	<0 934J
2,4,5-Trichlorophenol	8270C	mg/kg	0 144 F	<0 447	<2 25	<0 478	<0 444	<0 432	<0 441
2,4,6-Trichlorophenol	8270C	mg/kg	0 155 F	<0 406	<2 05	<0 435	<0 404	<0 392	<0 4
2,4-Dichlorophenol	8270C	mg/kg	<0 431	<0 406	<2 05	<0 435	<0 404	<0 392	<0 4
2,4-Dimethylphenol	8270C	mg/kg	<0 431	<0 406	<2 05	<0 435	<0 404	<0 392	<0 4
2,4-Dinitrophenol	8270C	mg/kg	<2 3	<2 17	<10 9	<2 32	<2 15Q	<2 09	<2 14
2,4-Dinitrotoluene	8270C	mg/kg	<0 474	<0 447	<2 25	<0 478	<0 444	<0 432	<0 441J
2,6-Dinitrotoluene	8270C	mg/kg	<0 474	<0 447	<2 25	<0 478	<0 444	<0 432	<0 441J
2-Chloronaphthalene	8270C	mg/kg	<0 474	<0 447	<2 25	<0 478	<0 444	<0 432	<0 441J
2-Chlorophenol	8270C	mg/kg	<0 431	<0 406	<2 05	<0 435	<0 404	<0 392	<0 4
2-Methylnaphthalene	8270C	mg/kg	<0 474	<0 447	<2 25	<0 478	<0 444	<0 432	<0 441J
2-Methylphenol	8270C	mg/kg	<0 431	<0 406	<2 05	<0 435	<0 404	<0 392	<0 4
2-Nitroaniline	8270C	mg/kg	<2 3	<2 17	<10 9	<2 32	<2 15	<2 09	<2 14J
2-Nitrophenol	8270C	mg/kg	<0 431	<0 406	<2 05	<0 435	<0 404	<0 392	<0 4
3,3'-Dichlorobenzidine	8270C	mg/kg	<1 87	<1 76	<8 88	<1 88	<1 75	<1 7	<1 74J
3-,4-Methylphenol	8270C	mg/kg	0 146 F	<0 447	<2 25	<0 478	<0 444	<0 432	<0 441
3-Nitroaniline	8270C	mg/kg	<2 3	<2 17	<10 9	<2 32	<2 15	<2 09	<2 14J
4,6-Dinitro-2-methylphenol	8270C	mg/kg	<2 3	<2 17	<10 9	<2 32	<2 15	<2 09	<2 14
4-Bromophenyl-phenylether	8270C	mg/kg	<0 474	<0 447	<2 25	<0 478	<0 444	<0 432	<0 441J
4-Chloro-3-methylphenol	8270C	mg/kg	<0 474	<0 447	<2 25	<0 478	<0 444	<0 432	<0 441
4-Chloroaniline	8270C	mg/kg	<0 474	<0 447	<2 25J	<0 478J	<0 444	<0 432	<0 441J
4-Chlorophenyl-phenyl ether	8270C	mg/kg	<0 474	<0 447	<2 25	<0 478	<0 444	<0 432	<0 441J
4-Nitroaniline	8270C	mg/kg	<2 3	<2 17	<10 9	<2 32	<2 15	<2 09	<2 14J
4-Nitrophenol	8270C	mg/kg	<2 3	<2 17	<10 9	<2 32	<2.15	<2 09	<2 14
Acenaphthene	8270C	mg/kg	<0.474	<0 447	<2 25	<0 478	<0 444	<0 432	<0 441
Acenaphthylene	8270C	mg/kg	<0.474	<0 447	<2 25	<0 478	<0 444	<0 432	<0 441
Anthracene	8270C	mg/kg	<0.474	<0 447	<2 25	<0 478	<0 444	<0 432	<0 441
Benzo(a)anthracene	8270C	mg/kg	0 176 F	<0 447	<2 25	<0 478	<0 444	<0 432	0 194 F
Benzo(a)pyrene	8270C	mg/kg	<0 474	<0 447	<2 25	<0 478	<0 444	<0 432	0 199 F
Benzo(b)fluoranthene	8270C	mg/kg	0 164 F	<0 447	<2 25	<0 478	<0 444	<0 432	0 224 F
Benzo(g,h,i)Perylene	8270C	mg/kg	<0 474	<0 447	<2 25	<0 478	<0 444	<0 432	<0 441
Benzo(k)fluoranthene	8270C	mg/kg	0 161 F	<0 447	<2 25	<0 478	<0 444	<0 432	0 18 F
Benzoic acid	8270C	mg/kg	<7 18Q	<6 77Q	<34 1Q	<7 25Q	<6 73Q	<6 54Q	<6 67Q
Benzyl alcohol	8270C	mg/kg	<0 474	<0 447	<2 25J	<0 478J	<0 444	<0 432	<0 441J
Bis(2-Chloroethoxy)Methane	8270C	mg/kg	<0 474	<0 447	<2 25J	<0 478J	<0 444	<0 432	<0 441J
Bis(2-Chloroethyl)ether	8270C	mg/kg	<0 474	<0 447	<2 25J	<0 478J	<0 444	<0 432	<0 441J
bis(2-Chloroisopropyl)ether	8270C	mg/kg	<0 474	<0 447	<2 25J	<0 478J	<0 444	<0 432	<0 441J
bis(2-Ethylhexyl)phthalate	8270C	mg/kg	0 351 F	<0 447	<2 25	<0 478Q	<0 444Q	<0 432	<0 441Q
Butylbenzylphthalate	8270C	mg/kg	<0 474	<0 447	<2 25	<0 478Q	<0 444Q	<0 432	<0 441Q
Chrysene	8270C	mg/kg	0 197 F	<0 447	<2 25	<0 478	<0 444	<0 432	0 249 F
Dibenzo(a,h)Anthracene	8270C	mg/kg	<0 474	<0 447	<2 25	<0 478	<0 444	<0 432	<0 441J
Dibenzofuran	8270C	mg/kg	<0 474	<0 447	<2 25	<0 478	<0 444	<0 432	<0 441J
Diethylphthalate	8270C	mg/kg	<0 474	<0 447	<2 25	<0 478	<0 444	<0 432	<0 441J
Dimethylphthalate	8270C	mg/kg	<0 474	<0 447	<2 25	<0 478	<0 444	<0 432	<0 441J
Di-N-Butylphthalate	8270C	mg/kg	<0 474	<0 447	<2 25	<0 478	<0 444Q	<0 432	<0 441J
Di-n-octylphthalate	8270C	mg/kg	<0 474	<0 447	<2 25	<0 478Q	<0 444Q	<0 432	<0 441Q
Fluoranthene	8270C	mg/kg	0 358 F	<0 447	<2 25	<0 478	<0 444	<0 432	0 128 F
Fluorene	8270C	mg/kg	<0 474	<0 447	<2 25	<0 478	<0 444	<0 432	<0 441
Hexachlorobenzene	8270C	mg/kg	<0 474	<0 447	<2 25	<0 478	<0 444	<0 432	<0 441J
Hexachlorobutadiene	8270C	mg/kg	<0 474	<0 447	<2 25J	<0 478J	<0 444	<0 432	<0 441J
Hexachlorocyclopentadiene	8270C	mg/kg	<0 474	<0 447	<2 25	<0 478	<0 444	<0 432	<0 441
Hexachloroethane	8270C	mg/kg	<0 474	<0 447	<2 25J	<0 478J	<0 444	<0 432	<0 441J
Indeno(1,2,3-cd)pyrene	8270C	mg/kg	<0 474	<0 447	<2 25	<0 478	<0 444	<0 432	<0 441
Isophorone	8270C	mg/kg	<0 474	<0 447	<2 25J	<0 478J	<0 444	<0 432	<0 441J
Naphthalene	8270C	mg/kg	<0 474	<0 447	<2 25	<0 478	<0 444	<0 432	<0 441
Nitrobenzene	8270C	mg/kg	<0 474	<0 447	<2 25J	<0 478J	<0 444	<0 432	<0 441J
N-Nitroso-di-n-propylamine	8270C	mg/kg	<0 474	<0 447	<2 25J	<0 478J	<0 444	<0 432	<0 441J
N-Nitrosodiphenylamine	8270C	mg/kg	<0 474	<0 447	<2 25	<0 478	<0 444	<0 432	<0 441J
Pentachlorophenol	8270C	mg/kg	<4 74	<4 47	<22 5	<4 78Q	<4 44Q	<4 32	<4 41Q
Phenanthrene	8270C	mg/kg	0 284 F	<0 447	<2 25	<0 478	<0 444	<0 432	<0 441
Phenol	8270C	mg/kg	0 253 F	<0 406	<2 05	<0 435	<0 404	<0 392	<0 4
Pyrene	8270C	mg/kg	<1 01	<0 947	<4 78	<1 01Q	<0 943	<0 915	0 252 Q

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
Q One or more quality control criteria failed
J Estimated Result

TABLE E-11
TA-3 GRID SAMPLES, ANALYTICAL RESULTS - SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

		Sample ID	TA3-D2-10	TA3-D2-15	TA3-D3-6	TA3-D3-11	TA3-D4-5	TA3-D4-10	TA3-D4-15
		Lab ID	L09020668-22	L09020667-01	L09020667-02	L09020667-03	L09020667-04	L09020667-05	L09020667-06
		Date	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009
Analyte	Method	Units							
1,2,4-Trichlorobenzene	8270C	mg/kg	<0 866J	<0 851	<0 892	<0 991	<0 923	<0 843	<0 973
1,2-Dichlorobenzene	8270C	mg/kg	<0 866J	<0 851	<0 892	<0 991	<0 923	<0 843	<0 973
1,3-Dichlorobenzene	8270C	mg/kg	<0 866J	<0 851	<0 892	<0 991	<0 923	<0 843	<0 973
1,4-Dichlorobenzene	8270C	mg/kg	<0 866J	<0 851	<0 892	<0 991	<0 923	<0 843	<0 973
2,4,5-Trichlorophenol	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
2,4,6-Trichlorophenol	8270C	mg/kg	<0 371	<0 365	<0 382	<0 425	<0 395	<0 361	<0 417
2,4-Dichlorophenol	8270C	mg/kg	<0 371	<0 365	<0 382	<0 425	<0 395	<0 361	<0 417
2,4-Dimethylphenol	8270C	mg/kg	<0 371	<0 365	<0 382	<0 425	<0 395	<0 361	<0 417
2,4-Dinitrophenol	8270C	mg/kg	<1 98	<1 94	<2 04	<2 26	<2 11	<1 93	<2 22
2,4-Dinitrotoluene	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
2,6-Dinitrotoluene	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
2-Chloronaphthalene	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
2-Chlorophenol	8270C	mg/kg	<0 371	<0 365	<0 382	<0 425	<0 395	<0 361	<0 417
2-Methylnaphthalene	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
2-Methylphenol	8270C	mg/kg	<0 371	<0 365	<0 382	<0 425	<0 395	<0 361	<0 417
2-Nitroaniline	8270C	mg/kg	<1 98	<1 94	<2 04	<2 26	<2 11	<1 93	<2 22
2-Nitrophenol	8270C	mg/kg	<0 371	<0 365	<0 382	<0 425	<0 395	<0 361	<0 417
3,3'-Dichlorobenzidine	8270C	mg/kg	<1 61	<1 58	<1 66	<1 84	<1 71	<1 57	<1 81
3-,4-Methylphenol	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
3-Nitroaniline	8270C	mg/kg	<1 98	<1 94	<2 04	<2 26	<2 11	<1 93	<2 22
4,6-Dinitro-2-methylphenol	8270C	mg/kg	<1 98	<1 94	<2 04	<2 26	<2 11	<1 93	<2 22
4-Bromophenyl-phenylether	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
4-Chloro-3-methylphenol	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
4-Chloroaniline	8270C	mg/kg	<0 408J	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
4-Chlorophenyl-phenyl ether	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
4-Nitroaniline	8270C	mg/kg	<1 98	<1 94	<2 04	<2 26	<2 11	<1 93	<2 22
4-Nitrophenol	8270C	mg/kg	<1 98	<1 94	<2 04	<2 26	<2 11	<1 93	<2 22
Acenaphthene	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Acenaphthylene	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Anthracene	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Benzo(a)anthracene	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Benzo(a)pyrene	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Benzo(b)fluoranthene	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Benzo(g,h,i)Perylene	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Benzo(k)fluoranthene	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Benzoic acid	8270C	mg/kg	<6 19Q	<6 08Q	<6 37Q	<7 08Q	<6 59Q	<6 02Q	<6 95Q
Benzyl alcohol	8270C	mg/kg	<0 408J	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Bis(2-Chloroethoxy)Methane	8270C	mg/kg	<0 408J	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Bis(2-Chloroethyl)ether	8270C	mg/kg	<0 408J	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
bis(2-Chloroisopropyl)ether	8270C	mg/kg	<0 408J	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
bis(2-Ethylhexyl)phthalate	8270C	mg/kg	<0 408Q	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Butylbenzylphthalate	8270C	mg/kg	<0 408Q	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Chrysene	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Dibenzo(a,h)Anthracene	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Dibenzofuran	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Diethylphthalate	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Dimethylphthalate	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Di-N-Butylphthalate	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Di-n-octylphthalate	8270C	mg/kg	<0 408Q	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Fluoranthene	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Fluorene	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Hexachlorobenzene	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Hexachlorobutadiene	8270C	mg/kg	<0 408J	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Hexachlorocyclopentadiene	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Hexachloroethane	8270C	mg/kg	<0 408J	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Indeno(1,2,3-cd)pyrene	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Isophorone	8270C	mg/kg	<0 408J	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Naphthalene	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Nitrobenzene	8270C	mg/kg	<0 408J	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
N-Nitroso-di-n-propylamine	8270C	mg/kg	<0 408J	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
N-Nitrosodiphenylamine	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Pentachlorophenol	8270C	mg/kg	<4 08Q	<4 01	<4 2	<4 67	<4 35	<3 97	<4 59
Phenanthrene	8270C	mg/kg	<0 408	<0 401	<0 42	<0 467	<0 435	<0 397	<0 459
Phenol	8270C	mg/kg	<0 371	<0 365	<0 382	<0 425	<0 395	<0 361	<0 417
Pyrene	8270C	mg/kg	<0 866Q	<0 851	<0 892	<0 991	<0 923	<0 843	<0 973

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
Q One or more quality control criteria failed
J Estimated Result

TABLE E-11
TA-3 GRID SAMPLES, ANALYTICAL RESULTS - SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

		Sample ID	TA3-D4-15 DUP	TA3-D5-5	TA3-D5-10	TA3-D5-15	TA3-E1-5	TA3-E1-10	TA3-E1-15
		Lab ID	L09020665-16	L09020667-07	L09020667-08	L09020667-09	L09020668-15	L09020668-16	L09020668-17
		Date	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009
Analyte	Method	Units							
1,2,4-Trichlorobenzene	8270C	mg/kg	<0 933	<0 944	<9 5	<0 946	<9 61	<0 897	<0 882
1,2-Dichlorobenzene	8270C	mg/kg	<0 933	<0 944	<9 5	<0 946	<9 61	<0 897	<0 882
1,3-Dichlorobenzene	8270C	mg/kg	<0 933	<0 944	<9 5	<0 946	<9 61	<0 897	<0 882
1,4-Dichlorobenzene	8270C	mg/kg	<0 933	<0 944	<9 5	<0 946	<9 61	<0 897	<0 882
2,4,5-Trichlorophenol	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
2,4,6-Trichlorophenol	8270C	mg/kg	<0 4	<0 404	<4 07	<0 406	<4 12	<0 384	<0 378
2,4-Dichlorophenol	8270C	mg/kg	<0 4	<0 404	<4 07	<0 406	<4 12	<0 384	<0 378
2,4-Dimethylphenol	8270C	mg/kg	<0 4	<0 404	<4 07	<0 406	<4 12	<0 384	<0 378
2,4-Dinitrophenol	8270C	mg/kg	<2 13Q	<2 16	<21 7	<2 16	<22Q	<2 05	<2 02
2,4-Dinitrotoluene	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
2,6-Dinitrotoluene	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
2-Chloronaphthalene	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
2-Chlorophenol	8270C	mg/kg	<0 4	<0 404	<4 07	<0 406	<4 12	<0 384	<0 378
2-Methylnaphthalene	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
2-Methylphenol	8270C	mg/kg	<0 4	<0 404	<4 07	<0 406	<4 12	<0 384	<0 378
2-Nitroaniline	8270C	mg/kg	<2 13	<2 16	<21 7	<2 16	<22	<2 05	<2 02
2-Nitrophenol	8270C	mg/kg	<0 4	<0 404	<4 07	<0 406	<4 12	<0 384	<0 378
3,3'-Dichlorobenzidine	8270C	mg/kg	<1 73	<1 75	<17 6	<1 76	<17 8	<1 67	<1 64
3-,4-Methylphenol	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
3-Nitroaniline	8270C	mg/kg	<2 13	<2 16	<21 7	<2 16	<22	<2 05	<2 02
4,6-Dinitro-2-methylphenol	8270C	mg/kg	<2 13	<2 16	<21 7	<2 16	<22	<2 05	<2 02
4-Bromophenyl-phenylether	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
4-Chloro-3-methylphenol	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
4-Chloroaniline	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
4-Chlorophenyl-phenyl ether	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
4-Nitroaniline	8270C	mg/kg	<2 13	<2 16	<21 7	<2 16	<22	<2 05	<2 02
4-Nitrophenol	8270C	mg/kg	<2 13	<2 16	<21 7	<2 16	<22	<2 05	<2 02
Acenaphthene	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
Acenaphthylene	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
Anthracene	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	1 29 F	<0 423	<0 416
Benzo(a)anthracene	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	3 7 F	<0 423	<0 416
Benzo(a)pyrene	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	3 17 F	<0 423	<0 416
Benzo(b)fluoranthene	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	3 04 F	<0 423	<0 416
Benzo(g,h,i)Perylene	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	2 22 F	<0 423	<0 416
Benzo(k)fluoranthene	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	3 27 F	<0 423	<0 416
Benzoic acid	8270C	mg/kg	<6 66Q	<6 74Q	<67 8Q	<6 76Q	<68 6Q	<6 4Q	<6 3Q
Benzyl alcohol	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
Bis(2-Chloroethoxy)Methane	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
Bis(2-Chloroethyl)ether	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
bis(2-Chloroisopropyl)ether	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
bis(2-Ethylhexyl)phthalate	8270C	mg/kg	<0 44Q	<0 445	<4 48	<0 446	<4 53Q	<0 423Q	<0 416
Butylbenzylphthalate	8270C	mg/kg	<0 44Q	<0 445	<4 48	<0 446	<4 53Q	<0 423Q	<0 416
Chrysene	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	4 12 F	<0 423	<0 416
Dibenzo(a,h)Anthracene	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
Dibenzofuran	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
Diethylphthalate	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
Dimethylphthalate	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
Di-N-Butylphthalate	8270C	mg/kg	<0 44Q	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
Di-n-octylphthalate	8270C	mg/kg	<0 44Q	<0 445	<4 48	<0 446	<4 53Q	<0 423Q	<0 416
Fluoranthene	8270C	mg/kg	<0 44	0 18 F	<4 48	<0 446	10 3	<0 423	<0 416
Fluorene	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
Hexachlorobenzene	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
Hexachlorobutadiene	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
Hexachlorocyclopentadiene	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53Q	<0 423	<0 416
Hexachloroethane	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
Indeno(1,2,3-cd)pyrene	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	2 1 F	<0 423	<0 416
Isophorone	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
Naphthalene	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
Nitrobenzene	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
N-Nitroso-di-n-propylamine	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
N-Nitrosodiphenylamine	8270C	mg/kg	<0 44	<0 445	<4 48	<0 446	<4 53	<0 423	<0 416
Pentachlorophenol	8270C	mg/kg	<4 4Q	<4 45	<44 8	<4 46	<45 3Q	<4 23Q	<4 16
Phenanthrene	8270C	mg/kg	<0 44	0 114 F	<4 48	<0 446	8 01	<0 423	<0 416
Phenol	8270C	mg/kg	<0 4	<0 404	<4 07	<0 406	<4 12	<0 384	<0 378
Pyrene	8270C	mg/kg	<0 933	0 153 F	<9 5	<0 946	8 13 Q	<0 897Q	<0 882

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
Q One or more quality control criteria failed
J Estimated Result

TABLE E-11
TA-3 GRID SAMPLES, ANALYTICAL RESULTS - SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Method	Sample ID / Lab ID / Date / Units	TA3-E1-15 DUP L09020665-14 2/25/2009	TA3-E2-5 L09020668-12 2/25/2009	TA3-E2-10 L09020668-13 2/25/2009	TA3-E2-15 L09020668-14 2/25/2009	TA3-E2-15 DUP L09020665-13 2/25/2009	TA3-E3-5 L09020668-07 2/25/2009	TA3-E3-10 L09020668-08 2/25/2009
1,2,4-Trichlorobenzene	8270C	mg/kg	<0 958	<4 89	<1	<0 81	<0 982	<0 915	<0 897J
1,2-Dichlorobenzene	8270C	mg/kg	<0 958	<4 89	<1	<0 81	<0 982	<0 915	<0 897J
1,3-Dichlorobenzene	8270C	mg/kg	<0 958	<4 89	<1	<0 81	<0 982	<0 915	<0 897J
1,4-Dichlorobenzene	8270C	mg/kg	<0 958	<4 89	<1	<0 81	<0 982	<0 915	<0 897J
2,4,5-Trichlorophenol	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423
2,4,6-Trichlorophenol	8270C	mg/kg	<0 41	<2 1	<0 429	<0 347	<0 421	<0 392	<0 385
2,4-Dichlorophenol	8270C	mg/kg	<0 41	<2 1	<0 429	<0 347	<0 421	<0 392	<0 385
2,4-Dimethylphenol	8270C	mg/kg	<0 41	<2 1	<0 429	<0 347	<0 421	<0 392	<0 385
2,4-Dinitrophenol	8270C	mg/kg	<2 19Q	<11 2	<2 29	<1 85	<2.24Q	<2 09	<2 05M
2,4-Dinitrotoluene	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423
2,6-Dinitrotoluene	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423M
2-Chloronaphthalene	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423M
2-Chlorophenol	8270C	mg/kg	<0 41	<2 1	<0 429	<0 347	<0 421	<0 392	<0 385
2-Methylnaphthalene	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423M
2-Methylphenol	8270C	mg/kg	<0 41	<2 1	<0 429	<0 347	<0 421	<0 392	<0 385
2-Nitroaniline	8270C	mg/kg	<2 19	<11 2	<2 29	<1 85	<2.24	<2 09	<2 05
2-Nitrophenol	8270C	mg/kg	<0 41	<2 1	<0 429	<0 347	<0 421	<0 392	<0 385M
3,3'-Dichlorobenzidine	8270C	mg/kg	<1 78	<9 08	<1 86	<1,5	<1 82	<1 7	<1 67M
3-,4-Methylphenol	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423
3-Nitroaniline	8270C	mg/kg	<2 19	<11 2	<2 29	<1 85	<2.24	<2 09	<2 05
4,6-Dinitro-2-methylphenol	8270C	mg/kg	<2 19	<11 2	<2 29	<1 85	<2 24	<2 09	<2 05M
4-Bromophenyl-phenylether	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423
4-Chloro-3-methylphenol	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423
4-Chloroaniline	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423J
4-Chlorophenyl-phenyl ether	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423
4-Nitroaniline	8270C	mg/kg	<2 19	<11 2	<2 29	<1 85	<2 24	<2 09	<2.05
4-Nitrophenol	8270C	mg/kg	<2 19	<11 2	<2 29	<1 85	<2 24	<2 09	<2 05
Acenaphthene	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423
Acenaphthylene	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423
Anthracene	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423
Benzo(a)anthracene	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423
Benzo(a)pyrene	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423
Benzo(b)fluoranthene	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423
Benzo(g,h,i)Perylene	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423
Benzo(k)fluoranthene	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423
Benzoic acid	8270C	mg/kg	<6 84Q	<34 9Q	<7 16Q	<5.78Q	<7 01Q	<6 53Q	<6 41Q
Benzyl alcohol	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423J
Bis(2-Chloroethoxy)Methane	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423J
Bis(2-Chloroethyl)ether	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423J
bis(2-Chloroisopropyl)ether	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423J
bis(2-Ethylhexyl)phthalate	8270C	mg/kg	<0 452Q	<2 3	<0 472Q	<0 382	<0 463Q	<0 431Q	<0 423
Butylbenzylphthalate	8270C	mg/kg	<0 452Q	<2 3	<0 472Q	<0 382	<0 463Q	<0 431Q	<0 423M
Chrysene	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423
Dibenzo(a,h)Anthracene	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423
Dibenzofuran	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423
Diethylphthalate	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423
Dimethylphthalate	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423
Di-N-Butylphthalate	8270C	mg/kg	<0 452Q	<2 3	<0 472	<0 382	<0 463Q	<0 431	<0 423
Di-n-octylphthalate	8270C	mg/kg	<0 452Q	<2 3	<0 472Q	<0 382	<0 463Q	<0 431Q	<0 423
Fluoranthene	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	0 107 F
Fluorene	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423
Hexachlorobenzene	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423
Hexachlorobutadiene	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423J
Hexachlorocyclopentadiene	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423M
Hexachloroethane	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423J
Indeno(1,2,3-cd)pyrene	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423
Isophorone	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423J
Naphthalene	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423
Nitrobenzene	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423M
N-Nitroso-di-n-propylamine	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423J
N-Nitrosodiphenylamine	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423
Pentachlorophenol	8270C	mg/kg	<4 52Q	<23	<4 72Q	<3 82	<4 63Q	<4 31Q	<4 23
Phenanthrene	8270C	mg/kg	<0 452	<2 3	<0 472	<0 382	<0 463	<0 431	<0 423
Phenol	8270C	mg/kg	<0 41	<2 1	<0 429	<0 347	<0 421	<0 392	<0 385
Pyrene	8270C	mg/kg	<0 958	<4 89	<1Q	<0 81	<0 982	<0 915Q	<0 897

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
Q One or more quality control criteria failed
J Estimated Result

TABLE E-11
TA-3 GRID SAMPLES, ANALYTICAL RESULTS - SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

		Sample ID	TA3-E3-15	TA3-E4-5	TA3-E4-10	TA3-E4-15	TA3-E5-5	TA3-E5-10
		Lab ID	L09020668-11	L09020668-04	L09020668-05	L09020668-06	L09020668-01	L09020668-02
		Date	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009
Analyte	Method	Units						
1,2,4-Trichlorobenzene	8270C	mg/kg	<0 942	<17	<0 963	<0 934	<17 7	<21 1
1,2-Dichlorobenzene	8270C	mg/kg	<0 942	<17	<0 963	<0 934	<17 7	<21 1
1,3-Dichlorobenzene	8270C	mg/kg	<0 942	<17	<0 963	<0 934	<17 7	<21 1
1,4-Dichlorobenzene	8270C	mg/kg	<0 942	<17	<0 963	<0 934	<17 7	<21 1
2,4,5-Trichlorophenol	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	<8 34	<9 95
2,4,6-Trichlorophenol	8270C	mg/kg	<0 404	<7 29	<0 413	<0 4	<7 58	<9 04
2,4-Dichlorophenol	8270C	mg/kg	<0 404	<7 29	<0 413	<0 4	<7 58	<9 04
2,4-Dimethylphenol	8270C	mg/kg	<0 404	<7 29	<0 413	<0 4	<7 58	<9 04
2,4-Dinitrophenol	8270C	mg/kg	<2 15	<38 9	<2 2	<2 13	<40 4	<48 2
2,4-Dinitrotoluene	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	<8 34	<9 95
2,6-Dinitrotoluene	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	<8 34	<9 95
2-Chloronaphthalene	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	<8 34	<9 95
2-Chlorophenol	8270C	mg/kg	<0 404	<7 29	<0 413	<0 4	<7 58	<9 04
2-Methylnaphthalene	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	5 58 F	<9 95
2-Methylphenol	8270C	mg/kg	<0 404	<7 29	<0 413	<0 4	<7 58	<9 04
2-Nitroaniline	8270C	mg/kg	<2 15	<38 9	<2 2	<2 13	<40 4	<48 2
2-Nitrophenol	8270C	mg/kg	<0 404	<7 29	<0 413	<0 4	<7 58	<9 04
3,3'-Dichlorobenzidine	8270C	mg/kg	<1 75	<31 6	<1 79	<1 73	<32 8	<39 2
3-,4-Methylphenol	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	<8 34	<9 95
3-Nitroaniline	8270C	mg/kg	<2 15	<38 9	<2 2	<2 13	<40 4	<48 2
4,6-Dinitro-2-methylphenol	8270C	mg/kg	<2.15	<38 9	<2 2	<2 13	<40 4	<48 2
4-Bromophenyl-phenylether	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	<8 34	<9 95
4-Chloro-3-methylphenol	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	<8 34	<9 95
4-Chloroaniline	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	<8 34	<9 95
4-Chlorophenyl-phenyl ether	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	<8 34	<9 95
4-Nitroaniline	8270C	mg/kg	<2 15	<38 9	<2 2	<2 13	<40 4	<48 2
4-Nitrophenol	8270C	mg/kg	<2 15	<38 9	<2 2	<2 13	<40 4	<48 2
Acenaphthene	8270C	mg/kg	<0 444	15 3	<0 454	<0 44	20 7	<9 95
Acenaphthylene	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	4 38 F	<9 95
Anthracene	8270C	mg/kg	<0 444	23 7	<0 454	<0 44	44 7	<9 95
Benzo(a)anthracene	8270C	mg/kg	<0 444	57	0 116 F	0 123 F	87 7	<9 95
Benzo(a)pyrene	8270C	mg/kg	<0 444	47 1	<0 454	<0 44	72 1	<9 95
Benzo(b)fluoranthene	8270C	mg/kg	<0 444	50 2	<0 454	<0 44	69 5	<9 95
Benzo(g,h,i)Perylene	8270C	mg/kg	<0 444	25	<0 454	<0 44	34 1	<9 95
Benzo(k)fluoranthene	8270C	mg/kg	<0 444	48 6	<0 454	<0 44	78 6	<9 95
Benzoic acid	8270C	mg/kg	<6 73Q	<122Q	<6 88Q	<6 67Q	<126Q	<151Q
Benzyl alcohol	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	<8 34	<9 95
Bis(2-Chloroethoxy)Methane	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	<8 34	<9 95
Bis(2-Chloroethyl)ether	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	<8 34	<9 95
bis(2-Chloroisopropyl)ether	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	<8 34	<9 95
bis(2-Ethylhexyl)phthalate	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	5 81 F	2 84 F
Butylbenzylphthalate	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	<8 34	<9 95
Chrysene	8270C	mg/kg	<0 444	60 5	0 134 F	0 144 F	89 5	<9 95
Dibenzo(a,h)Anthracene	8270C	mg/kg	<0 444	8 46	<0 454	<0 44	15 7	<9 95
Dibenzofuran	8270C	mg/kg	<0 444	7 82 F	<0 454	<0 44	22 3	<9 95
Diethylphthalate	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	<8 34	<9 95
Dimethylphthalate	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	<8 34	<9 95
Di-N-Butylphthalate	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	<8 34	<9 95
Di-n-octylphthalate	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	<8 34	<9 95
Fluoranthene	8270C	mg/kg	<0 444	143	0 42 F	0 377 F	286	<9 95
Fluorene	8270C	mg/kg	<0 444	12	<0 454	<0 44	29 7	<9 95
Hexachlorobenzene	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	<8 34	<9 95
Hexachlorobutadiene	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	<8 34	<9 95
Hexachlorocyclopentadiene	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	<8 34	<9 95
Hexachloroethane	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	<8 34	<9 95
Indeno(1,2,3-cd)pyrene	8270C	mg/kg	<0 444	25 1	<0 454	<0 44	35 3	<9 95
Isophorone	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	<8 34	<9 95
Naphthalene	8270C	mg/kg	<0 444	3 48 F	<0 454	<0 44	14 1	<9 95
Nitrobenzene	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	<8 34	<9 95
N-Nitroso-di-n-propylamine	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	<8 34	<9 95
N-Nitrosodiphenylamine	8270C	mg/kg	<0 444	<8 02	<0 454	<0 44	<8 34	<9 95
Pentachlorophenol	8270C	mg/kg	<4 44	<80 2	<4 54	<4 4	<83 4	<99 5
Phenanthrene	8270C	mg/kg	<0 444	116	0 348 F	0 248 F	255	<9 95
Phenol	8270C	mg/kg	<0 404	<7 29	<0 413	<0 4	<7 58	<9 04
Pyrene	8270C	mg/kg	<0 942	106	0 283 F	0 257 F	146	<21 1

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
Q One or more quality control criteria failed
J Estimated Result

TABLE E-11
TA-3 GRID SAMPLES, ANALYTICAL RESULTS - SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

		Sample ID	TA3-E5-15	TA3-F1-5	TA3-F1-10	TA3-F1-15	TA3-F2-5	TA3-F2-10
		Lab ID	L09020608-03	L09020606-29	L09020606-30	L09020606-33	L09020606-34	L09020606-35
		Date	2/25/2009	2/24/2009	2/24/2009	2/24/2009	2/24/2009	2/24/2009
Analyte	Method	Units						
1,2,4-Trichlorobenzene	8270C	mg/kg	<1 03	<0 891	<0 992	<0 86	<0 983	<0 86
1,2-Dichlorobenzene	8270C	mg/kg	<1 03	<0 891	<0 992	<0 86	<0 983	<0 86
1,3-Dichlorobenzene	8270C	mg/kg	<1 03	<0 891	<0 992	<0 86	<0 983	<0 86
1,4-Dichlorobenzene	8270C	mg/kg	<1 03	<0 891	<0 992	<0 86	<0 983	<0 86
2,4,5-Trichlorophenol	8270C	mg/kg	<0 486	<0 42	<0 468J	<0 405J	<0 463	<0 405J
2,4,6-Trichlorophenol	8270C	mg/kg	<0 442	<0 382	<0 425J	<0 368J	<0 421	<0 368J
2,4-Dichlorophenol	8270C	mg/kg	<0 442	<0 382	<0 425M	<0 368	<0 421	<0 368J
2,4-Dimethylphenol	8270C	mg/kg	<0 442	<0 382	<0 425	<0 368	<0 421	<0 368J
2,4-Dinitrophenol	8270C	mg/kg	<2 36	<2 04	<2 27J	<1 97J	<2 25	<1 97J
2,4-Dinitrotoluene	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
2,6-Dinitrotoluene	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
2-Chloronaphthalene	8270C	mg/kg	<0 486	<0 42	<0 468M	<0 405	<0 463	<0 405
2-Chlorophenol	8270C	mg/kg	<0 442	<0 382	<0 425	<0 368	<0 421	<0 368J
2-Methylnaphthalene	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
2-Methylphenol	8270C	mg/kg	<0 442	<0 382	<0 425M	<0 368	<0 421	<0 368J
2-Nitroaniline	8270C	mg/kg	<2 36	<2 04	<2 27	<1 97	<2 25	<1 97
2-Nitrophenol	8270C	mg/kg	<0 442	<0 382	<0 425	<0 368	<0 421	<0 368J
3,3'-Dichlorobenzidine	8270C	mg/kg	<1 91	<1 65	<1 84M	<1 6	<1 83	<1 6
3-,4-Methylphenol	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405J
3-Nitroaniline	8270C	mg/kg	<2 36	<2 04	<2 27	<1 97	<2 25	<1 97
4,6-Dinitro-2-methylphenol	8270C	mg/kg	<2 36	<2 04	<2 27J	<1 97J	<2 25	<1 97J
4-Bromophenyl-phenylether	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
4-Chloro-3-methylphenol	8270C	mg/kg	<0 486	<0 42	<0 468J	<0 405J	<0 463	<0 405J
4-Chloroaniline	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
4-Chlorophenyl-phenyl ether	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
4-Nitroaniline	8270C	mg/kg	<2 36	<2 04	<2 27	<1 97	<2 25	<1 97
4-Nitrophenol	8270C	mg/kg	<2 36	<2 04	<2 27J	<1 97J	<2 25	<1 97J
Acenaphthene	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
Acenaphthylene	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
Anthracene	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
Benzo(a)anthracene	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
Benzo(a)pyrene	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
Benzo(b)fluoranthene	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
Benzo(g,h,i)Perylene	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
Benzo(k)fluoranthene	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
Benzoic acid	8270C	mg/kg	<7 36Q	<6 37Q	<7 09Q	<6 14Q	<7 02Q	<6 14Q
Benzyl alcohol	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
Bis(2-Chloroethoxy)Methane	8270C	mg/kg	<0 486	<0 42	<0 468M	<0 405	<0 463	<0 405
Bis(2-Chloroethyl)ether	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
bis(2-Chloroisopropyl)ether	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
bis(2-Ethylhexyl)phthalate	8270C	mg/kg	<0 486Q	<0 42	<0 468	<0 405Q	<0 463	<0 405Q
Butylbenzylphthalate	8270C	mg/kg	<0 486Q	<0 42	<0 468	<0 405Q	<0 463	<0 405Q
Chrysene	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
Dibenzo(a,h)Anthracene	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
Dibenzofuran	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
Diethylphthalate	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
Dimethylphthalate	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
Di-N-Butylphthalate	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
Di-n-octylphthalate	8270C	mg/kg	<0 486Q	<0 42	<0 468	<0 405	<0 463	<0 405
Fluoranthene	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
Fluorene	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
Hexachlorobenzene	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
Hexachlorobutadiene	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
Hexachlorocyclopentadiene	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
Hexachloroethane	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
Indeno(1,2,3-cd)pyrene	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
Isophorone	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
Naphthalene	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
Nitrobenzene	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
N-Nitroso-di-n-propylamine	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
N-Nitrosodiphenylamine	8270C	mg/kg	<0 486	<0 42	<0 468M	<0 405	<0 463	<0 405
Pentachlorophenol	8270C	mg/kg	<4 86Q	<4 2	<4 68J	<4 05J	<4 63	<4 05J
Phenanthrene	8270C	mg/kg	<0 486	<0 42	<0 468	<0 405	<0 463	<0 405
Phenol	8270C	mg/kg	<0 442	<0 382	<0 425	<0 368	<0 421	<0 368
Pyrene	8270C	mg/kg	<1 03Q	<0 891	<0 992	<0 86	<0 983	<0 86

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
Q One or more quality control criteria failed
J Estimated Result

TABLE E-11
TA-3 GRID SAMPLES, ANALYTICAL RESULTS - SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

		Sample ID	TA3-F2-15	TA3-F3-5	TA3-F3-10	TA3-F3-10 DUP	TA3-F3-15	TA3-F3-15 DUP
		Lab ID	L09020606-36	L09020606-37	L09020606-38	L09020606-52	L09020606-39	L09020606-53
		Date	2/24/2009	2/24/2009	2/24/2009	2/24/2009	2/24/2009	2/24/2009
Analyte	Method	Units						
1,2,4-Trichlorobenzene	8270C	mg/kg	<0.863	<0.843	<0.99	<0.801	<0.887	<0.849
1,2-Dichlorobenzene	8270C	mg/kg	<0.863	<0.843	<0.99	<0.801	<0.887	<0.849
1,3-Dichlorobenzene	8270C	mg/kg	<0.863	<0.843	<0.99	<0.801	<0.887	<0.849
1,4-Dichlorobenzene	8270C	mg/kg	<0.863	<0.843	<0.99	<0.801	<0.887	<0.849
2,4,5-Trichlorophenol	8270C	mg/kg	<0.407Q	<0.397	<0.467	<0.378	<0.418	<0.4
2,4,6-Trichlorophenol	8270C	mg/kg	<0.37Q	<0.361	<0.424	<0.343	<0.38	<0.364
2,4-Dichlorophenol	8270C	mg/kg	<0.37J	<0.361	<0.424	<0.343	<0.38	<0.364
2,4-Dimethylphenol	8270C	mg/kg	<0.37J	<0.361	<0.424	<0.343	<0.38	<0.364
2,4-Dinitrophenol	8270C	mg/kg	<1.97Q	<1.93	<2.26	<1.83Q	<2.03	<1.94Q
2,4-Dinitrotoluene	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378	<0.418	<0.4
2,6-Dinitrotoluene	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378	<0.418	<0.4
2-Chloronaphthalene	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378	<0.418	<0.4
2-Chlorophenol	8270C	mg/kg	<0.37J	<0.361	<0.424	<0.343	<0.38	<0.364
2-Methylnaphthalene	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378	<0.418	<0.4
2-Methylphenol	8270C	mg/kg	<0.37J	<0.361	<0.424	<0.343	<0.38	<0.364
2-Nitroaniline	8270C	mg/kg	<1.97	<1.93	<2.26	<1.83	<2.03	<1.94
2-Nitrophenol	8270C	mg/kg	<0.37J	<0.361	<0.424	<0.343	<0.38	<0.364
3,3'-Dichlorobenzidine	8270C	mg/kg	<1.6	<1.57	<1.84	<1.49	<1.65	<1.58
3-,4-Methylphenol	8270C	mg/kg	<0.407J	<0.397	<0.467	<0.378	<0.418	<0.4
3-Nitroaniline	8270C	mg/kg	<1.97	<1.93	<2.26	<1.83	<2.03	<1.94
4,6-Dinitro-2-methylphenol	8270C	mg/kg	<1.97Q	<1.93	<2.26	<1.83	<2.03	<1.94
4-Bromophenyl-phenylether	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378	<0.418	<0.4
4-Chloro-3-methylphenol	8270C	mg/kg	<0.407Q	<0.397	<0.467	<0.378	<0.418	<0.4
4-Chloroaniline	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378	<0.418	<0.4
4-Chlorophenyl-phenyl ether	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378	<0.418	<0.4
4-Nitroaniline	8270C	mg/kg	<1.97	<1.93	<2.26	<1.83	<2.03	<1.94
4-Nitrophenol	8270C	mg/kg	<1.97Q	<1.93	<2.26	<1.83	<2.03	<1.94
Acenaphthene	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378J	<0.418	<0.4
Acenaphthylene	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378J	<0.418	<0.4
Anthracene	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378J	<0.418	<0.4
Benzo(a)anthracene	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378J	<0.418	<0.4
Benzo(a)pyrene	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378J	<0.418	<0.4
Benzo(b)fluoranthene	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378J	<0.418	<0.4
Benzo(g,h,i)Perylene	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378J	<0.418	<0.4
Benzo(k)fluoranthene	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378J	<0.418	<0.4
Benzoic acid	8270C	mg/kg	<6.16Q	<6.02Q	<7.07Q	<5.72Q	<6.34Q	<6.07Q
Benzyl alcohol	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378	<0.418	<0.4
Bis(2-Chloroethoxy)Methane	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378	<0.418	<0.4
Bis(2-Chloroethyl)ether	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378	<0.418	<0.4
bis(2-Chloroisopropyl)ether	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378	<0.418	<0.4
bis(2-Ethylhexyl)phthalate	8270C	mg/kg	<0.407Q	<0.397	<0.467	<0.378	<0.418	<0.4
Butylbenzylphthalate	8270C	mg/kg	<0.407Q	<0.397	<0.467	<0.378	<0.418	<0.4
Chrysene	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378J	<0.418	<0.4
Dibenzo(a,h)Anthracene	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378	<0.418	<0.4
Dibenzofuran	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378	<0.418	<0.4
Diethylphthalate	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378	<0.418	<0.4
Dimethylphthalate	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378	<0.418	<0.4
Di-N-Butylphthalate	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378	<0.418	<0.4
Di-n-octylphthalate	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378	<0.418	<0.4
Fluoranthene	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378J	<0.418	<0.4
Fluorene	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378J	<0.418	<0.4
Hexachlorobenzene	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378	<0.418	<0.4
Hexachlorobutadiene	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378	<0.418	<0.4
Hexachlorocyclopentadiene	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378Q	<0.418	<0.4Q
Hexachloroethane	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378	<0.418	<0.4
Indeno(1,2,3-cd)pyrene	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378J	<0.418	<0.4
Isophorone	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378	<0.418	<0.4
Naphthalene	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378J	<0.418	<0.4
Nitrobenzene	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378	<0.418	<0.4
N-Nitroso-di-n-propylamine	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378	<0.418	<0.4
N-Nitrosodiphenylamine	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378	<0.418	<0.4
Pentachlorophenol	8270C	mg/kg	<4.07Q	<3.97	<4.67	<3.78	<4.18	<4
Phenanthrene	8270C	mg/kg	<0.407	<0.397	<0.467	<0.378J	<0.418	<0.4
Phenol	8270C	mg/kg	<0.37J	<0.361	<0.424	<0.343	<0.38	<0.364
Pyrene	8270C	mg/kg	<0.863	<0.843	<0.99	<0.801J	<0.887	<0.849

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
Q One or more quality control criteria failed
J Estimated Result

TABLE E-11
TA-3 GRID SAMPLES, ANALYTICAL RESULTS - SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Method	Sample ID / Lab ID / Date / Units	TA3-F4-5 L09020606-40 2/24/2009	TA3-F4-10 L09020606-41 2/24/2009	TA3-F4-15 L09020606-42 2/24/2009	TA3-F5-5 L09020606-43 2/24/2009	TA3-F5-10 L09020606-44 2/24/2009	TA3-F5-15 L09020606-47 2/24/2009
1,2,4-Trichlorobenzene	8270C	mg/kg	<0 916	<0 894	<0.892	<4 57	<0 867	<0 826
1,2-Dichlorobenzene	8270C	mg/kg	<0 916	<0 894	<0.892	<4 57	<0.867	<0 826
1,3-Dichlorobenzene	8270C	mg/kg	<0 916	<0 894	<0.892	<4 57	<0.867	<0 826
1,4-Dichlorobenzene	8270C	mg/kg	<0 916	<0 894	<0 892	<4 57	<0.867	<0 826
2,4,5-Trichlorophenol	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
2,4,6-Trichlorophenol	8270C	mg/kg	<0 393	<0 383	<0.382	<1 96	<0 371	<0 354
2,4-Dichlorophenol	8270C	mg/kg	<0 393	<0 383	<0 382	<1 96	<0.371	<0 354
2,4-Dimethylphenol	8270C	mg/kg	<0 393	<0 383	<0 382	<1 96	<0 371	<0 354
2,4-Dinitrophenol	8270C	mg/kg	<2 09	<2 04	<2 04	<10 5	<1 98Q	<1 89
2,4-Dinitrotoluene	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
2,6-Dinitrotoluene	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
2-Chloronaphthalene	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
2-Chlorophenol	8270C	mg/kg	<0 393	<0 383	<0 382	<1 96	<0 371	<0 354
2-Methylnaphthalene	8270C	mg/kg	<0 432	<0 422	<0 42	<2.16	<0 409	<0 39
2-Methylphenol	8270C	mg/kg	<0 393	<0 383	<0 382	<1 96	<0 371	<0 354
2-Nitroaniline	8270C	mg/kg	<2 09	<2 04	<2 04	<10 5	<1 98	<1 89
2-Nitrophenol	8270C	mg/kg	<0 393	<0 383	<0 382	<1 96	<0 371M	<0 354
3,3'-Dichlorobenzidine	8270C	mg/kg	<1 7	<1 66	<1 66	<8 5	<1 61M	<1 53
3-,4-Methylphenol	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
3-Nitroaniline	8270C	mg/kg	<2 09	<2 04	<2 04	<10 5	<1 98	<1 89
4,6-Dinitro-2-methylphenol	8270C	mg/kg	<2 09	<2 04	<2 04	<10 5	<1.98	<1 89
4-Bromophenyl-phenylether	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
4-Chloro-3-methylphenol	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
4-Chloroaniline	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
4-Chlorophenyl-phenyl ether	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
4-Nitroaniline	8270C	mg/kg	<2 09	<2 04	<2 04	<10 5	<1 98	<1 89
4-Nitrophenol	8270C	mg/kg	<2 09	<2 04	<2 04	<10 5	<1 98	<1 89
Acenaphthene	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
Acenaphthylene	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
Anthracene	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
Benzo(a)anthracene	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
Benzo(a)pyrene	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
Benzo(b)fluoranthene	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
Benzo(g,h i)Perylene	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
Benzo(k)fluoranthene	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
Benzoic acid	8270C	mg/kg	<6 54Q	<6 39Q	<6 37Q	<32 7Q	<6 19Q	<5 9Q
Benzyl alcohol	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
Bis(2-Chloroethoxy)Methane	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
Bis(2-Chloroethyl)ether	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
bis(2-Chloroisopropyl)ether	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
bis(2-Ethylhexyl)phthalate	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
Butylbenzylphthalate	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
Chrysene	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
Dibenzo(a,h)Anthracene	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
Dibenzofuran	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
Diethylphthalate	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
Dimethylphthalate	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
Di-N-Butylphthalate	8270C	mg/kg	<0 432	<0.422	<0 42	<2 16	<0 409	0 108 F
Di-n-octylphthalate	8270C	mg/kg	<0 432	<0.422	<0 42	<2 16	<0 409	<0 39
Fluoranthene	8270C	mg/kg	<0 432	<0.422	<0 42	<2.16	<0 409	<0 39
Fluorene	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
Hexachlorobenzene	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
Hexachlorobutadiene	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
Hexachlorocyclopentadiene	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409Q	<0 39
Hexachloroethane	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
Indeno(1,2,3-cd)pyrene	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
Isophorone	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
Naphthalene	8270C	mg/kg	<0 432	<0.422	<0 42	<2 16	<0 409	<0 39
Nitrobenzene	8270C	mg/kg	<0 432	<0.422	<0 42	<2 16	<0 409	<0 39
N-Nitroso-di-n-propylamine	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
N-Nitrosodiphenylamine	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
Pentachlorophenol	8270C	mg/kg	<4 32	<4 22	<4 2	<21 6	<4 09M	<3 9
Phenanthrene	8270C	mg/kg	<0 432	<0 422	<0 42	<2 16	<0 409	<0 39
Phenol	8270C	mg/kg	<0 393	<0.383	<0 382	<1 96	<0 371	<0 354
Pyrene	8270C	mg/kg	<0 916	<0 894	<0 892	<4 57	<0 867	<0 826

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
Q One or more quality control criteria failed
J Estimated Result

TABLE E-11
TA-3 GRID SAMPLES, QA ANALYTICAL RESULTS - VOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

		Sample ID	TB-2-24-09	TB-2-25-09
		Lab ID	L09020606-54	L09020665-21
		Date	2/24/2009	2/25/2009
Analyte	Method	Units	TB-2-24-09	TB-2-25-09
1,1,1,2-Tetrachloroethane	8260B	ug/L	<0 5	<0 5
1,1,1-Trichloroethane	8260B	ug/L	<1	<1
1,1,2,2-Tetrachloroethane	8260B	ug/L	<0 5	<0 5
1,1,2-Trichloroethane	8260B	ug/L	<1	<1
1,1-Dichloroethane	8260B	ug/L	<1	<1
1,1-Dichloroethene	8260B	ug/L	<1	<1
1,1-Dichloropropene	8260B	ug/L	<1	<1
1,2,3-Trichlorobenzene	8260B	ug/L	<1	<1
1,2,3-Trichloropropane	8260B	ug/L	<1	<1
1,2,4-Trichlorobenzene	8260B	ug/L	<1	<1
1,2,4-Trimethylbenzene	8260B	ug/L	<1	<1
1,2-Dibromo-3-chloropropane	8260B	ug/L	<2	<2
1,2-Dibromoethane	8260B	ug/L	<1	<1
1,2-Dichlorobenzene	8260B	ug/L	<1	<1
1,2-Dichloroethane	8260B	ug/L	<0 5	<0 5
1,2-Dichloropropane	8260B	ug/L	<1	<1
1,3,5-Trimethylbenzene	8260B	ug/L	<1	<1
1,3-Dichlorobenzene	8260B	ug/L	<1	<1
1,3-Dichloropropane	8260B	ug/L	<0 4	<0 4
1,4-Dichlorobenzene	8260B	ug/L	<0 5	<0 5
1-Chlorohexane	8260B	ug/L	<1	<1
2,2-Dichloropropane	8260B	ug/L	<1	<1
2-Chlorotoluene	8260B	ug/L	<1	<1
2-Hexanone	8260B	ug/L	<10	<10
4-Chlorotoluene	8260B	ug/L	<1	<1
Acetone	8260B	ug/L	<10	<10
Benzene	8260B	ug/L	<0 4	<0 4
Bromobenzene	8260B	ug/L	<1	<1
Bromochloromethane	8260B	ug/L	<1	<1
Bromodichloromethane	8260B	ug/L	<0 5	<0 5
Bromoform	8260B	ug/L	<1	<1
Bromomethane	8260B	ug/L	<1	<1
Carbon disulfide	8260B	ug/L	<1	<1
Carbon tetrachloride	8260B	ug/L	<1	<1
Chlorobenzene	8260B	ug/L	<0 5	<0 5
Chloroethane	8260B	ug/L	<1	<1
Chloroform	8260B	ug/L	<0 3	<0 3
Chloromethane	8260B	ug/L	<1	<1
cis-1,2-Dichloroethene	8260B	ug/L	<1	<1
cis-1,3-Dichloropropene	8260B	ug/L	<0 5	<0 5
Dibromochloromethane	8260B	ug/L	<0 5	<0 5
Dibromomethane	8260B	ug/L	<1	<1
Dichlorodifluoromethane	8260B	ug/L	<1	<1
Ethylbenzene	8260B	ug/L	<1	<1
Hexachlorobutadiene	8260B	ug/L	<0 6	<0 6
Isopropylbenzene	8260B	ug/L	<1	<1
m-,p-Xylene	8260B	ug/L	<2	<2
MEK (2-Butanone)	8260B	ug/L	<10	<10
Methyl t-butyl ether (MTBE)	8260B	ug/L	<5	<5
Methylene chloride	8260B	ug/L	<1	<1
MIBK (methyl isobutyl ketone)	8260B	ug/L	<10	<10
Naphthalene	8260B	ug/L	<1	<1
n-Butylbenzene	8260B	ug/L	<1	<1
n-Propylbenzene	8260B	ug/L	<1	<1
o-Xylene	8260B	ug/L	<1	<1
p-Isopropyltoluene	8260B	ug/L	<1	<1
sec-Butylbenzene	8260B	ug/L	<1	<1
Styrene	8260B	ug/L	<1	<1
tert-Butylbenzene	8260B	ug/L	<1	<1
Tetrachloroethene	8260B	ug/L	<1	<1
Toluene	8260B	ug/L	<1	<1
trans-1,2-Dichloroethene	8260B	ug/L	<1	<1
trans-1,3-Dichloropropene	8260B	ug/L	<1	<1
Trichloroethene	8260B	ug/L	<1	<1
Trichlorofluoromethane	8260B	ug/L	<1	<1
Vinyl acetate	8260B	ug/L	<5	<5
Vinyl chloride	8260B	ug/L	<1	<1

Notes
< Not detected above Reporting Limit (RL)

TABLE E-12
TA-3 FINAL EXCAVATION, ANALYTICAL RESULTS - TCL/TAL
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Volatile Organic Compounds (8260B)	units	TA3-3-FLOOR-1 5/14/2009 L09050369-01	TA3-3-WALL-1 5/14/2009 L09050369-02
1,1,1,2-Tetrachloroethane	mg/kg	<0 00314	<0 358
1,1,1-Trichloroethane	mg/kg	<0 00523	<0 597
1,1,2,2-Tetrachloroethane	mg/kg	<0 00314	<0 358
1,1,2-Trichloroethane	mg/kg	<0 00523	<0 597
1,1-Dichloroethane	mg/kg	0 00107 J	<0 597
1,1-Dichloroethene	mg/kg	<0 00627	<0 717
1,1-Dichloropropene	mg/kg	<0 00523	<0 597
1,2,3-Trichlorobenzene	mg/kg	<0 00523	<0 597
1,2,3-Trichloropropane	mg/kg	<0 00523	<0 597
1,2,4-Trichlorobenzene	mg/kg	<0 00523	<0 597
1,2,4-Trimethylbenzene	mg/kg	0 00094 J	3 68 J
1,2-Dibromo-3-chloropropane	mg/kg	<0 0105	<1 19
1,2-Dibromoethane	mg/kg	<0 00523	<0 597
1,2-Dichlorobenzene	mg/kg	<0 00523	<0 597
1,2-Dichloroethane	mg/kg	0 00109 J	<0 358
1,2-Dichloropropane	mg/kg	0 00101 J	<0 597
1,3,5-Trimethylbenzene	mg/kg	0 000666 J	1 81 J
1,3-Dichlorobenzene	mg/kg	0 00126 J	<0 717
1,3-Dichloropropane	mg/kg	<0 00209	<0 239
1,4-Dichlorobenzene	mg/kg	<0 00209	<0 239
1-Chlorohexane	mg/kg	<0 00523	<0 597
2,2-Dichloropropane	mg/kg	<0 00523	<0 597
2-Chlorotoluene	mg/kg	0 00073 J	<0 597
2-Hexanone	mg/kg	<0 0209	<2 39
4-Chlorotoluene	mg/kg	<0 00523	<0 597
Acetone	mg/kg	0 0572	<2 39
Benzene	mg/kg	0 00322	0 0676 J
Bromobenzene	mg/kg	<0 00523	<0 597
Bromochloromethane	mg/kg	<0 00523	<0 597
Bromodichloromethane	mg/kg	<0 00209	<0 239
Bromoform	mg/kg	<0 00523	<0 597
Bromomethane	mg/kg	<0 00523	<0 597 J
Carbon disulfide	mg/kg	<0 00523	<0 597
Carbon tetrachloride	mg/kg	<0 00523	<0 597
Chlorobenzene	mg/kg	<0 00209	<0 239
Chloroethane	mg/kg	0 00254 J	<0 597
Chloroform	mg/kg	0 000778 J	<0 239
Chloromethane	mg/kg	<0 00523	<0 597 J
cis-1,2-Dichloroethene	mg/kg	0 00318 J	1.01 J
cis-1,3-Dichloropropene	mg/kg	<0 00314	<0 358
Dibromochloromethane	mg/kg	<0 00314	<0 358
Dibromomethane	mg/kg	<0 00523	<0 597
Dichlorodifluoromethane	mg/kg	<0 00523	<0 597 J
Ethylbenzene	mg/kg	0 00407 J	0 376 J
Hexachlorobutadiene	mg/kg	<0 00314	<0 358
Isopropylbenzene	mg/kg	0 000636 J	0 442 J
m-,p-Xylene	mg/kg	0 0179	1 73 J
MEK (2-Butanone)	mg/kg	0 0218	0 673 B
Methyl t-butyl ether (MTBE)	mg/kg	<0 0209	<2 39
Methylene chloride	mg/kg	<0 00523	<0 597
MIBK (methyl isobutyl ketone)	mg/kg	0 00765 J	0 42 J
Naphthalene	mg/kg	0 0029 J	1 62 J
n-Butylbenzene	mg/kg	<0 00523	1 19 J
n-Propylbenzene	mg/kg	<0 00523	0 306 J
o-Xylene	mg/kg	0 02	1 74 J
p-Isopropyltoluene	mg/kg	0 0442	3 04 J
sec-Butylbenzene	mg/kg	<0 00523	0 602 J
Styrene	mg/kg	<0 00523	<0 597
tert-Butylbenzene	mg/kg	<0 00523	0 0753 J
Tetrachloroethene	mg/kg	<0 00523	0 295 J
Toluene	mg/kg	0 0243	1 32 J
Total Xylenes	mg/kg	0 0379	3 47 J
trans-1,2-Dichloroethene	mg/kg	0 0117 J	0 923 J
trans-1,3-Dichloropropene	mg/kg	<0 00523	<0 597
Trichloroethene	mg/kg	0 00113 J	0 259 J
Trichlorofluoromethane	mg/kg	<0 00523	<0 597
Vinyl acetate	mg/kg	<0 0105	<1 19
Vinyl chloride	mg/kg	0 0045 J	0 139 J

TABLE E-12
TA-3 FINAL EXCAVATION, ANALYTICAL RESULTS - TCL/TAL
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

		TA3-3-FLOOR-1 5/14/2009 L09050369-01	TA3-3-WALL-1 5/14/2009 L09050369-02
Metals (6010B)			
Aluminum, Total	mg/kg	8140	10700
Antimony, Total	mg/kg	7 01	10 8
Barium, Total	mg/kg	294	2070
Beryllium, Total	mg/kg	0 38 J	0 388 J
Cadmium, Total	mg/kg	2 54	8 46
Calcium, Total	mg/kg	21200	27100
Chromium, Total	mg/kg	17 7	40 8
Cobalt, Total	mg/kg	3 28 J	2 8 J
Copper, Total	mg/kg	58 4	38 8
Iron, Total	mg/kg	13200 J	22000 J
Magnesium, Total	mg/kg	2190	2800
Manganese, Total	mg/kg	2120 J	1400 J
Nickel, Total	mg/kg	16 6	14 1
Potassium, Total	mg/kg	1060	1250
Silver, Total	mg/kg	0 467 J	0 444 J
Sodium, Total	mg/kg	160	303
Vanadium, Total	mg/kg	22 2	24 3
Zinc, Total	mg/kg	1120	3730
Metals (6020)			
Arsenic, Total	mg/kg	6 49 J	8 82 J
Lead, Total	mg/kg	339	431
Selenium, Total	mg/kg	0 346	0 293
Thallium, Total	mg/kg	0 142	0 157
Mercury, Total (7471)	mg/kg	0 16 J	0 0801 J
Pesticides (8081A)			
4,4'-DDD	ug/kg	34 6 J	2 62
4,4'-DDE	ug/kg	<4 06	<9 84
4,4'-DDT	ug/kg	<4 06	<9 84
Aldrin	ug/kg	<4 06	<9 84
alpha Chlordane	ug/kg	<4 06	<9 84
alpha-BHC	ug/kg	<4 06	<9 84
beta-BHC	ug/kg	<4 06	<9 84
delta-BHC	ug/kg	<4 06	<9 84
Dieldrin	ug/kg	<4 06	<9 84
Endosulfan I	ug/kg	<4 06	<9 84
Endosulfan II	ug/kg	<4 06	<9 84
Endosulfan sulfate	ug/kg	<4 06	<9 84
Endrin	ug/kg	<4 06	<9 84
Endrin aldehyde	ug/kg	<4 06	<9 84
Endrin ketone	ug/kg	<4 06	<9 84
gamma Chlordane	ug/kg	<4 06	<9 84
gamma-BHC (Lindane)	ug/kg	<4 06	<9 84
Heptachlor	ug/kg	<4 06	<9 84
Heptachlor epoxide	ug/kg	<4 06	<9 84
Methoxychlor	ug/kg	<4 06	<9 84
Toxaphene	ug/kg	<81 3	<197
Polychlorinated Biphenyls (8082)			
Aroclor-1016	ug/kg	<20 8	<21 1
Aroclor-1221	ug/kg	<20 8	<21 1
Aroclor-1232	ug/kg	<20 8	<21 1
Aroclor-1242	ug/kg	<20 8	<21 1
Aroclor-1248	ug/kg	<20 8	<21 1
Aroclor-1254	ug/kg	<20 8	<21 1
Aroclor-1260	ug/kg	45 8	<21 1
Herbicides (8151A)			
2,4,5-T	ug/kg	<5 03	<49 7
2,4,5-TP (Silvex)	ug/kg	<3 77	<37 3
2,4-D	ug/kg	108 J	<497
2,4-DB	ug/kg	2400 J	<497
Dalapon	ug/kg	<126	<1240
Dicamba	ug/kg	<5 03	<49 7
Dichloroprop	ug/kg	<50 3	<497
Dinoseb	ug/kg	66 6 J	<249
MCPA	ug/kg	<5030	<49700
MCPP	ug/kg	<5030	<49700
Pentachlorophenol	ug/kg	130 J	<49 7

Notes
< Not detected above Reporting Limit (RL)
J Concentration estimated
B Estimated result possibly biased high or false positive based on blank data

TABLE E-12
TA-3 FINAL EXCAVATION, ANALYTICAL RESULTS -SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample	TA3-1-FLOOR-1	TA3-1-FLOOR-2	TA3-1-FLOOR-3	TA3-2-FLOOR-1
	Lab ID	L09050369-13	L09050369-14	L09050369-15	L09050369-29
	Date	5/14/2009	5/14/2009	5/14/2009	5/14/2009
Semi-Volatile Organic Compounds (8270C)	Units				
1,2,4-Trichlorobenzene	mg/kg	<0 953	<0 955	<0 94	<0 898
1,2-Dichlorobenzene	mg/kg	<0 953	<0 955	<0 94	<0 898
1,3-Dichlorobenzene	mg/kg	<0 953	<0 955	<0 94	<0.898
1,4-Dichlorobenzene	mg/kg	<0 953	<0 955	<0 94	<0.898
2,4,5-Trichlorophenol	mg/kg	<0 449	<0.45	<0 443	<0 423
2,4,6-Trichlorophenol	mg/kg	<0 408	<0 409	<0 403	<0 385
2,4-Dichlorophenol	mg/kg	<0 408	<0 409	<0.403	<0 385
2,4-Dimethylphenol	mg/kg	<0 408	<0 409	<0.403	<0 385
2,4-Dinitrophenol	mg/kg	<2 18	<2 18	<2 15	<2.05
2,4-Dinitrotoluene	mg/kg	<0 449	<0 45	<0.443	<0.423
2,6-Dinitrotoluene	mg/kg	<0 449	<0 45	<0 443	<0 423
2-Chloronaphthalene	mg/kg	<0 449	<0 45	<0 443	<0.423
2-Chlorophenol	mg/kg	<0 408	<0 409	<0 403	<0 385
2-Methylnaphthalene	mg/kg	<0 449	<0 45	<0 443	<0.423
2-Methylphenol	mg/kg	<0 408	<0 409	<0 403	<0.385
2-Nitroaniline	mg/kg	<2 18	<2 18	<2 15	<2.05
2-Nitrophenol	mg/kg	<0 408	<0 409	<0 403	<0 385
3,3'-Dichlorobenzidine	mg/kg	<1 77	<1.77	<1.75	<1 67
3-,4-Methylphenol	mg/kg	<0 449	<0 45	<0 443	<0 423
3-Nitroaniline	mg/kg	<2 18	<2 18	<2 15	<2.05
4,6-Dinitro-2-methylphenol	mg/kg	<2 18	<2 18	<2.15	<2 05
4-Bromophenyl-phenylether	mg/kg	<0 449	<0 45	<0 443	<0 423
4-Chloro-3-methylphenol	mg/kg	<0 449	<0 45	<0 443	<0.423
4-Chloroaniline	mg/kg	<0 449	<0 45	<0 443	<0 423
4-Chlorophenyl-phenyl ether	mg/kg	<0 449	<0 45	<0 443	<0 423
4-Nitroaniline	mg/kg	<2 18	<2 18	<2 15	<2 05
4-Nitrophenol	mg/kg	<2 18	<2.18	<2 15	<2 05
Acenaphthene	mg/kg	<0 449	<0 45	<0 443	<0.423
Acenaphthylene	mg/kg	<0 449	<0 45	<0 443	<0 423
Anthracene	mg/kg	<0 449	<0 45	<0 443	<0 423
Benzo(a)anthracene	mg/kg	<0 449	<0.45	<0 443	<0.423
Benzo(a)pyrene	mg/kg	<0 449	<0 45	<0 443	<0 423
Benzo(b)fluoranthene	mg/kg	<0 449	<0 45	<0.443	<0.423
Benzo(g,h,i)Perylene	mg/kg	<0 449	<0 45	<0.443	<0 423
Benzo(k)fluoranthene	mg/kg	<0 449	<0 45	<0.443	<0.423
Benzoic acid	mg/kg	<6 81J	<6 82J	<6.71J	<6.41J
Benzyl alcohol	mg/kg	<0.449	<0 45	<0 443	<0 423
Bis(2-Chloroethoxy)Methane	mg/kg	<0 449	<0 45	<0 443	<0 423
Bis(2-Chloroethyl)ether	mg/kg	<0 449	<0 45	<0 443	<0.423
bis(2-Chloroisopropyl)ether	mg/kg	<0 449	<0 45	<0 443	<0 423
bis(2-Ethylhexyl)phthalate	mg/kg	<0 449	<0 45	<0 443	<0.423
Butylbenzylphthalate	mg/kg	<0 449	<0 45	<0 443	<0 423
Chrysene	mg/kg	<0 449	<0 45	<0.443	<0.423
Dibenzo(a,h)Anthracene	mg/kg	<0 449	<0 45	<0 443	<0 423
Dibenzofuran	mg/kg	<0 449	<0 45	<0 443	<0 423
Diethylphthalate	mg/kg	<0 449	<0 45	<0 443	<0 423
Dimethylphthalate	mg/kg	<0 449	<0 45	<0 443	<0 423
Di-N-Butylphthalate	mg/kg	<0 449	<0 45	<0.443	<0 423
Di-n-octylphthalate	mg/kg	<0 449	<0 45	<0 443	<0 423
Fluoranthene	mg/kg	<0 449	<0 45	<0 443	<0.423
Fluorene	mg/kg	<0 449	<0 45	<0.443	<0 423
Hexachlorobenzene	mg/kg	<0 449	<0 45	<0.443	<0 423
Hexachlorobutadiene	mg/kg	<0 449	<0 45	<0 443	<0 423
Hexachlorocyclopentadiene	mg/kg	<0 449	<0 45	<0 443	<0 423
Hexachloroethane	mg/kg	<0 449	<0.45	<0 443	<0 423
Indeno(1,2,3-cd)pyrene	mg/kg	<0 449	<0 45	<0 443	<0 423
Isophorone	mg/kg	<0 449	<0 45	<0 443	<0.423
Naphthalene	mg/kg	<0 449	<0 45	<0 443	<0.423
Nitrobenzene	mg/kg	<0 449	<0.45	<0 443	<0 423
N-Nitroso-di-n-propylamine	mg/kg	<0 449	<0 45	<0 443	<0 423
N-Nitrosodiphenylamine	mg/kg	<0 449	<0 45	<0 443	<0 423
Pentachlorophenol	mg/kg	<4 49	<4 5	<4 43	<4 23
Phenanthrene	mg/kg	<0 449	<0 45	<0 443	<0 423
Phenol	mg/kg	<0 408	<0 409	<0 403	<0.385
Pyrene	mg/kg	<0 953	<0 955	<0 94	<0 898

Notes
< Not detected above Reporting Limit (RL)
J Concentration estimated
R Rejected

TABLE E-12
TA-3 FINAL EXCAVATION, ANALYTICAL RESULTS -SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample	TA3-2-FLOOR-1 DUP-2	TA3-2-FLOOR-2	TA3-2-FLOOR-3	TA3-2-FLOOR-4
	Lab ID	L09050369-37	L09050369-30	L09050369-33	L09050369-34
	Date	5/14/2009	5/14/2009	5/14/2009	5/14/2009
Semi-Volatile Organic Compounds (8270C)	Units				
1,2,4-Trichlorobenzene	mg/kg	<0 848	<0 831	<0 718	<0 721
1,2-Dichlorobenzene	mg/kg	<0 848	<0 831	<0 718	<0 721
1,3-Dichlorobenzene	mg/kg	<0 848	<0 831	<0 718	<0 721
1,4-Dichlorobenzene	mg/kg	<0 848	<0.831	<0 718	<0 721
2,4,5-Trichlorophenol	mg/kg	<0 4	<0 392	<0 338	<0.34
2,4,6-Trichlorophenol	mg/kg	<0 364	<0 356	<0 308	<0 309
2,4-Dichlorophenol	mg/kg	<0 364	<0 356	<0 308	<0 309
2,4-Dimethylphenol	mg/kg	<0 364	<0 356	<0 308	<0 309
2,4-Dinitrophenol	mg/kg	<1,94	<1 9	<1 64	<1 65
2,4-Dinitrotoluene	mg/kg	<0 4	<0 392	<0 338	<0 34
2,6-Dinitrotoluene	mg/kg	<0 4	<0 392	<0 338	<0.34
2-Chloronaphthalene	mg/kg	<0 4	<0 392	<0 338	<0 34
2-Chlorophenol	mg/kg	<0 364	<0 356	<0 308	<0 309
2-Methylnaphthalene	mg/kg	<0 4	<0 392	<0 338	<0 34
2-Methylphenol	mg/kg	<0 364	<0 356	<0 308	<0.309
2-Nitroaniline	mg/kg	<1 94	<1.9	<1 64	<1 65
2-Nitrophenol	mg/kg	<0 364	<0 356	<0 308	<0.309
3,3'-Dichlorobenzidine	mg/kg	<1 58	<1 54	<1 33	<1 34
3-,4-Methylphenol	mg/kg	<0 4	<0 392	<0 338	<0.34
3-Nitroaniline	mg/kg	<1.94	<1 9	<1 64	<1 65
4,6-Dinitro-2-methylphenol	mg/kg	<1 94	<1 9	<1 64	<1 65
4-Bromophenyl-phenylether	mg/kg	<0 4	<0 392	<0 338	<0.34
4-Chloro-3-methylphenol	mg/kg	<0 4	<0 392	<0 338	<0.34
4-Chloroaniline	mg/kg	<0 4	<0 392	<0 338	<0 34
4-Chlorophenyl-phenyl ether	mg/kg	<0 4	<0 392	<0 338	<0 34
4-Nitroaniline	mg/kg	<1 94	<1 9	<1 64	<1 65
4-Nitrophenol	mg/kg	<1 94	<1 9	<1 64	<1.65
Acenaphthene	mg/kg	<0 4	<0 392	<0 338	<0 34
Acenaphthylene	mg/kg	<0 4	<0 392	<0 338	<0 34
Anthracene	mg/kg	<0 4	<0 392	<0.338	<0 34
Benzo(a)anthracene	mg/kg	<0 4	<0 392	<0 338	<0 34
Benzo(a)pyrene	mg/kg	<0 4	<0 392	<0 338	<0 34
Benzo(b)fluoranthene	mg/kg	<0 4	<0 392	<0 338	<0 34
Benzo(g,h,i)Perylene	mg/kg	<0 4	<0 392	<0 338	<0 34
Benzo(k)fluoranthene	mg/kg	<0 4	<0 392	<0 338	<0 34
Benzoic acid	mg/kg	<6 06J	<5 94J	<5 13J	<5 15J
Benzyl alcohol	mg/kg	<0 4	<0 392	<0 338	<0 34
Bis(2-Chloroethoxy)Methane	mg/kg	<0 4	<0 392J	<0 338	<0 34
Bis(2-Chloroethyl)ether	mg/kg	<0 4	<0 392	<0 338	<0 34
bis(2-Chloroisopropyl)ether	mg/kg	<0 4	<0 392	<0 338	<0.34
bis(2-Ethylhexyl)phthalate	mg/kg	<0 4	<0 392	<0 338	<0 34
Butylbenzylphthalate	mg/kg	<0 4	<0 392	<0 338	<0 34
Chrysene	mg/kg	<0 4	<0 392	<0 338	<0 34
Dibenzo(a,h)Anthracene	mg/kg	<0 4	<0 392	<0 338	<0 34
Dibenzofuran	mg/kg	<0 4	<0 392	<0 338	<0 34
Diethylphthalate	mg/kg	<0 4	<0 392	<0 338	<0 34
Dimethylphthalate	mg/kg	<0 4	<0 392	<0 338	<0 34
Di-N-Butylphthalate	mg/kg	<0 4	<0 392	<0 338	<0 34
Di-n-octylphthalate	mg/kg	<0 4	<0 392	<0 338	<0 34
Fluoranthene	mg/kg	<0 4	0 123 J	<0 338	<0 34
Fluorene	mg/kg	<0 4	<0 392	<0 338	<0 34
Hexachlorobenzene	mg/kg	<0 4	<0 392	<0 338	<0 34
Hexachlorobutadiene	mg/kg	<0 4	<0 392	<0 338	<0.34
Hexachlorocyclopentadiene	mg/kg	<0 4	<0 392J	<0 338	<0 34
Hexachloroethane	mg/kg	<0 4	<0 392	<0 338	<0.34
Indeno(1,2,3-cd)pyrene	mg/kg	<0 4	<0 392	<0 338	<0 34
Isophorone	mg/kg	<0 4	<0 392	<0 338	<0 34
Naphthalene	mg/kg	<0 4	<0 392	<0 338	<0 34
Nitrobenzene	mg/kg	<0 4	<0 392	<0 338	<0 34
N-Nitroso-di-n-propylamine	mg/kg	<0 4	<0 392	<0 338	<0 34
N-Nitrosodiphenylamine	mg/kg	<0 4	<0 392	<0 338	<0 34
Pentachlorophenol	mg/kg	<4	<3 92	<3 38	<3 4
Phenanthrene	mg/kg	<0 4	<0 392	<0 338	<0 34
Phenol	mg/kg	<0 364	<0 356	<0 308	<0 309
Pyrene	mg/kg	<0 848	<0 831	<0 718	<0 721

Notes
< Not detected above Reporting Limit (RL)
J Concentration estimated
R Rejected

TABLE E-12
TA-3 FINAL EXCAVATION, ANALYTICAL RESULTS -SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample	TA3-3-FLOOR-1	TA3-3-FLOOR-2	TA3-3-FLOOR-3	TA3-3-FLOOR-4
	Lab ID	L09050369-01	L09050369-03	L09050369-04	L09050369-05
	Date	5/14/2009	5/14/2009	5/14/2009	5/14/2009
Semi-Volatile Organic Compounds (8270C)	Units				
1,2,4-Trichlorobenzene	mg/kg	<20	<17 9	<0 887J	<0 961
1,2-Dichlorobenzene	mg/kg	<20	<17 9	<0 887J	<0.961
1,3-Dichlorobenzene	mg/kg	<20	<17 9	<0 887J	<0.961
1,4-Dichlorobenzene	mg/kg	<20	<17 9	<0 887J	<0 961
2,4,5-Trichlorophenol	mg/kg	<9.42	<8 43	<0 418	<0.453
2,4,6-Trichlorophenol	mg/kg	<8.56	<7 66	<0 38	<0 412
2,4-Dichlorophenol	mg/kg	<8 56	<7.66	<0 38	<0 412
2,4-Dimethylphenol	mg/kg	<8 56	<7 66	<0 38	<0.412
2,4-Dinitrophenol	mg/kg	<45.7	<40 9	<2 03	<2.2
2,4-Dinitrotoluene	mg/kg	<9 42	<8.43	<0 418J	<0 453
2,6-Dinitrotoluene	mg/kg	<9.42	<8.43	<0 418J	<0 453
2-Chloronaphthalene	mg/kg	<9 42	<8 43	<0 418J	<0 453
2-Chlorophenol	mg/kg	<8 56	<7 66	<0.38	<0 412
2-Methylnaphthalene	mg/kg	<9 42	<8 43	<0 418J	<0 453
2-Methylphenol	mg/kg	<8 56	<7 66	<0 38	<0.412
2-Nitroaniline	mg/kg	<45 7	<40 9	<2 03J	<2.2
2-Nitrophenol	mg/kg	<8.56	<7 66	<0 38	<0 412
3,3'-Dichlorobenzidine	mg/kg	<37 1	<33 2	<1 65J	<1 79
3-,4-Methylphenol	mg/kg	<9.42	<8 43	<0.418	<0 453
3-Nitroaniline	mg/kg	<45 7	<40 9	<2 03J	<2 2
4,6-Dinitro-2-methylphenol	mg/kg	<45 7	<40.9	<2.03	<2 2
4-Bromophenyl-phenylether	mg/kg	<9 42	<8 43	<0.418J	<0.453
4-Chloro-3-methylphenol	mg/kg	<9 42	<8 43	<0 418	<0 453
4-Chloroaniline	mg/kg	<9 42	<8 43	<0 418J	<0 453
4-Chlorophenyl-phenyl ether	mg/kg	<9 42	<8 43	<0.418J	<0 453
4-Nitroaniline	mg/kg	<45 7	<40 9	<2 03J	<2.2
4-Nitrophenol	mg/kg	<45.7	<40 9	<2 03	<2 2
Acenaphthene	mg/kg	<9 42	<8 43	<0 418J	<0.453
Acenaphthylene	mg/kg	<9 42	<8.43	<0.418J	<0 453
Anthracene	mg/kg	<9 42	<8 43	<0 418J	<0.453
Benzo(a)anthracene	mg/kg	<9 42	<8 43	<0 418J	<0.453
Benzo(a)pyrene	mg/kg	<9 42	<8 43	<0 418J	<0 453
Benzo(b)fluoranthene	mg/kg	<9 42	<8 43	<0 418J	<0 453
Benzo(g,h,i)Perylene	mg/kg	<9 42	<8 43	<0 418J	<0 453
Benzo(k)fluoranthene	mg/kg	<9 42	<8 43	<0 418J	<0 453
Benzoic acid	mg/kg	<143J	<128J	<6 33J	<6 87J
Benzyl alcohol	mg/kg	<9 42	<8 43	<0 418J	<0 453
Bis(2-Chloroethoxy)Methane	mg/kg	<9 42	<8.43	<0 418J	<0 453
Bis(2-Chloroethyl)ether	mg/kg	<9 42	<8 43	<0 418J	<0 453
bis(2-Chloroisopropyl)ether	mg/kg	<9 42	<8 43	<0 418J	<0.453
bis(2-Ethylhexyl)phthalate	mg/kg	9 96	4 02 J	<0 418J	<0 453
Butylbenzylphthalate	mg/kg	<9 42	<8 43	<0 418J	<0 453
Chrysene	mg/kg	<9 42	<8 43	<0 418J	<0 453
Dibenzo(a,h)Anthracene	mg/kg	<9 42	<8 43	<0 418J	<0.453
Dibenzofuran	mg/kg	<9 42	<8.43	<0.418J	<0 453
Diethylphthalate	mg/kg	<9 42	<8 43	<0 418J	<0 453
Dimethylphthalate	mg/kg	<9 42	<8 43	<0 418J	<0 453
Di-N-Butylphthalate	mg/kg	<9.42	<8 43	<0 418J	<0 453
Di-n-octylphthalate	mg/kg	<9.42	<8 43	<0 418J	<0 453
Fluoranthene	mg/kg	<9 42	<8.43	0 109 J	<0 453
Fluorene	mg/kg	<9 42	<8.43	<0 418J	<0.453
Hexachlorobenzene	mg/kg	<9 42	<8 43	<0 418J	<0 453
Hexachlorobutadiene	mg/kg	<9 42	<8 43	<0 418J	<0 453
Hexachlorocyclopentadiene	mg/kg	<9 42	<8 43	<0 418J	<0 453
Hexachloroethane	mg/kg	<9 42	<8 43	<0 418J	<0 453
Indeno(1,2,3-cd)pyrene	mg/kg	<9 42	<8 43	<0 418J	<0 453
Isophorone	mg/kg	<9 42	<8 43	<0.418J	<0 453
Naphthalene	mg/kg	<9 42	<8 43	<0.418J	<0 453
Nitrobenzene	mg/kg	<9.42	<8 43	<0 418J	<0 453
N-Nitroso-di-n-propylamine	mg/kg	<9 42	<8 43	<0 418J	<0 453
N-Nitrosodiphenylamine	mg/kg	<9 42	<8 43	<0 418J	<0 453
Pentachlorophenol	mg/kg	<94 2	<84 3	<4.18	<4 53
Phenanthrene	mg/kg	2 56 J	<8 43	<0 418J	<0 453
Phenol	mg/kg	<8 56	<7 66	<0 38	<0 412
Pyrene	mg/kg	<20	<17 9	<0 887J	<0 961

Notes:
< Not detected above Reporting Limit (RL)
J Concentration estimated
R Rejected

TABLE E-12
TA-3 FINAL EXCAVATION, ANALYTICAL RESULTS -SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample	TA3-3-FLOOR-5	TA3-1-WALL-1	TA3-1-WALL-1 DUP-3	TA3-1-WALL-2
	Lab ID	L09050369-06	L09050369-16	L09050369-38	L09050369-17
	Date	5/14/2009	5/14/2009	5/14/2009	5/14/2009
Semi-Volatile Organic Compounds (8270C)	Units				
1,2,4-Trichlorobenzene	mg/kg	<0 921	<0 943	<0 914	<0 943
1,2-Dichlorobenzene	mg/kg	<0 921	<0 943	<0 914	<0 943
1,3-Dichlorobenzene	mg/kg	<0 921	<0 943	<0 914	<0 943
1,4-Dichlorobenzene	mg/kg	<0 921	<0 943	<0 914	<0 943
2,4,5-Trichlorophenol	mg/kg	<0 434	<0 445	<0 431	<0 445
2,4,6-Trichlorophenol	mg/kg	<0 395	<0 404	<0 392	<0 404
2,4-Dichlorophenol	mg/kg	<0 395	<0 404	<0 392	<0 404
2,4-Dimethylphenol	mg/kg	<0 395	<0 404	<0 392	<0 404
2,4-Dinitrophenol	mg/kg	<2 11	<2.16	<2 09	<2.16
2,4-Dinitrotoluene	mg/kg	<0 434	<0 445	<0 431	<0 445
2,6-Dinitrotoluene	mg/kg	<0 434	<0 445	<0 431	<0 445
2-Chloronaphthalene	mg/kg	<0.434	<0 445	<0 431	<0 445
2-Chlorophenol	mg/kg	<0 395	<0 404	<0 392	<0 404
2-Methylnaphthalene	mg/kg	<0.434	<0 445	<0 431	<0 445
2-Methylphenol	mg/kg	<0 395	<0 404	<0 392	<0 404
2-Nitroaniline	mg/kg	<2 11	<2 16	<2 09	<2 16
2-Nitrophenol	mg/kg	<0 395	<0 404	<0 392	<0 404
3,3'-Dichlorobenzidine	mg/kg	<1 71	<1 75	<1.7	<1 75
3-,4-Methylphenol	mg/kg	<0 434	0 264 J	0 231 J	<0 445
3-Nitroaniline	mg/kg	<2 11	<2 16	<2 09	<2 16
4,6-Dinitro-2-methylphenol	mg/kg	<2 11	<2 16	<2 09	<2 16
4-Bromophenyl-phenylether	mg/kg	<0 434	<0 445	<0 431	<0 445
4-Chloro-3-methylphenol	mg/kg	<0 434	<0 445	<0.431	<0 445
4-Chloroaniline	mg/kg	<0 434	<0 445	<0 431	<0 445
4-Chlorophenyl-phenyl ether	mg/kg	<0 434	<0 445	<0 431	<0 445
4-Nitroaniline	mg/kg	<2 11	<2 16	<2 09	<2.16
4-Nitrophenol	mg/kg	<2 11	<2 16	<2 09	<2 16
Acenaphthene	mg/kg	<0 434	<0 445	<0 431	<0 445
Acenaphthylene	mg/kg	<0 434	<0 445	<0 431	<0 445
Anthracene	mg/kg	<0 434	<0 445	<0 431	<0 445
Benzo(a)anthracene	mg/kg	<0 434	<0 445	<0 431	<0 445
Benzo(a)pyrene	mg/kg	<0.434	<0 445	<0 431	<0 445
Benzo(b)fluoranthene	mg/kg	<0 434	<0 445	<0 431	<0 445
Benzo(g,h,i)Perylene	mg/kg	<0 434	<0 445	<0 431	<0 445
Benzo(k)fluoranthene	mg/kg	<0 434	<0 445	<0 431	<0 445
Benzoic acid	mg/kg	<6 58J	<6 74J	<6 53J	<6 74J
Benzyl alcohol	mg/kg	<0 434	<0 445	<0 431	<0 445
Bis(2-Chloroethoxy)Methane	mg/kg	<0 434	<0 445	<0 431	<0 445
Bis(2-Chloroethyl)ether	mg/kg	<0 434	<0 445	<0 431	<0 445
bis(2-Chloroisopropyl)ether	mg/kg	<0 434	<0 445	<0 431	<0 445
bis(2-Ethylhexyl)phthalate	mg/kg	<0 434	<0.445	<0 431	<0 445
Butylbenzylphthalate	mg/kg	<0 434	<0 445	<0 431	<0 445
Chrysene	mg/kg	<0 434	<0 445	<0 431	<0 445
Dibenzo(a,h)Anthracene	mg/kg	<0 434	<0 445	<0 431	<0 445
Dibenzofuran	mg/kg	<0 434	<0 445	<0 431	<0 445
Diethylphthalate	mg/kg	<0 434	<0 445	<0 431	<0 445
Dimethylphthalate	mg/kg	<0 434	<0 445	<0 431	<0 445
Di-N-Butylphthalate	mg/kg	<0 434	<0 445	<0 431	<0 445
Di-n-octylphthalate	mg/kg	<0 434	<0 445	<0 431	<0 445
Fluoranthene	mg/kg	<0 434	<0 445	<0 431	<0 445
Fluorene	mg/kg	<0 434	<0 445	<0 431	<0 445
Hexachlorobenzene	mg/kg	<0 434	<0 445	<0 431	<0 445
Hexachlorobutadiene	mg/kg	<0 434	<0 445	<0 431	<0 445
Hexachlorocyclopentadiene	mg/kg	<0 434	<0 445	<0 431	<0 445
Hexachloroethane	mg/kg	<0 434	<0 445	<0 431	<0 445
Indeno(1,2,3-cd)pyrene	mg/kg	<0 434	<0 445	<0 431	<0 445
Isophorone	mg/kg	<0 434	<0 445	<0 431	<0 445
Naphthalene	mg/kg	<0 434	<0 445	<0 431	<0 445
Nitrobenzene	mg/kg	<0 434	<0 445	<0 431	<0 445
N-Nitroso-di-n-propylamine	mg/kg	<0 434	<0 445	<0 431	<0 445
N-Nitrosodiphenylamine	mg/kg	<0 434	<0 445	<0 431	<0 445
Pentachlorophenol	mg/kg	<4 34	<4 45	<4 31	<4 45
Phenanthrene	mg/kg	<0 434	<0 445	<0 431	<0 445
Phenol	mg/kg	<0 395	<0 404	<0 392	<0 404
Pyrene	mg/kg	<0 921	<0 943	<0 914	<0 943

Notes
<: Not detected above Reporting Limit (RL)
J Concentration estimated
R: Rejected

TABLE E-12
TA-3 FINAL EXCAVATION, ANALYTICAL RESULTS -SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample	TA3-1-WALL-3	TA3-1-WALL-4	TA3-1-WALL-5	TA3-2-WALL-1
	Lab ID	L09050369-18	L09050369-19	L09050369-20	L09050369-21
	Date	5/14/2009	5/14/2009	5/14/2009	5/14/2009
Semi-Volatile Organic Compounds (8270C)	Units				
1,2,4-Trichlorobenzene	mg/kg	<9 76	<0 847	<1 88	<16 1
1,2-Dichlorobenzene	mg/kg	<9 76	<0.847	<1 88	<16.1
1,3-Dichlorobenzene	mg/kg	<9.76	<0.847	<1.88	<16.1
1,4-Dichlorobenzene	mg/kg	<9 76	<0.847	<1.88	<16.1
2,4,5-Trichlorophenol	mg/kg	<4 6	<0 399	<0 886	<7 6
2,4,6-Trichlorophenol	mg/kg	<4 18	<0 363	<0 805	<6 91R
2,4-Dichlorophenol	mg/kg	<4 18	<0 363	<0 805	<6 91
2,4-Dimethylphenol	mg/kg	<4 18	<0 363	<0 805	<6 91R
2,4-Dinitrophenol	mg/kg	<22 3	<1 94	<4.3	<36.8R
2,4-Dinitrotoluene	mg/kg	<4.6	<0 399	<0 886	<7 6
2,6-Dinitrotoluene	mg/kg	<4.6	<0 399	<0 886	<7 6
2-Chloronaphthalene	mg/kg	<4.6	<0 399	<0 886	<7 6
2-Chlorophenol	mg/kg	<4 18	<0 363	<0.805	<6.91
2-Methylnaphthalene	mg/kg	<4 6	<0.399	<0.886	<7.6
2-Methylphenol	mg/kg	<4 18	<0 363	<0.805	<6.91
2-Nitroaniline	mg/kg	<22 3	<1 94	<4.3	<36 8R
2-Nitrophenol	mg/kg	<4 18	<0 363	<0.805	<6 91R
3,3'-Dichlorobenzidine	mg/kg	<18.1	<1 57	<3 49	<29 9R
3-,4-Methylphenol	mg/kg	1 16 J	<0 399	0 91	<7 6
3-Nitroaniline	mg/kg	<22 3	<1.94	<4 3	<36 8R
4,6-Dinitro-2-methylphenol	mg/kg	<22 3	<1 94	<4 3	<36.8R
4-Bromophenyl-phenylether	mg/kg	<4 6	<0.399	<0 886	<7 6
4-Chloro-3-methylphenol	mg/kg	<4.6	<0 399	<0 886	<7.6
4-Chloroaniline	mg/kg	<4 6	<0 399	<0.886	<7.6R
4-Chlorophenyl-phenyl ether	mg/kg	<4.6	<0 399	<0 886	<7.6
4-Nitroaniline	mg/kg	<22.3	<1 94	<4 3	<36 8R
4-Nitrophenol	mg/kg	<22.3	<1 94	<4 3	<36.8R
Acenaphthene	mg/kg	2 12 J	0.156 J	0 484 J	23 4
Acenaphthylene	mg/kg	<4 6	<0.399	<0 886	<7 6
Anthracene	mg/kg	3 56 J	0 259 J	1 09	114
Benzo(a)anthracene	mg/kg	11 1	0 721	3 41	194
Benzo(a)pyrene	mg/kg	9 77	0 617	3	159
Benzo(b)fluoranthene	mg/kg	10 1	0 709	3 02	163
Benzo(g,h,i)Perylene	mg/kg	6 48	0 445	2 07	70 4
Benzo(k)fluoranthene	mg/kg	10 4	0 638	3 03	178
Benzoic acid	mg/kg	<69 7J	<6.05J	<13 4J	<115R
Benzyl alcohol	mg/kg	<4 6	<0 399	<0.886	<7.6
Bis(2-Chloroethoxy)Methane	mg/kg	<4 6	<0 399	<0 886	<7 6
Bis(2-Chloroethyl)ether	mg/kg	<4 6	<0 399	<0 886	<7.6
bis(2-Chloroisopropyl)ether	mg/kg	<4 6	<0 399	<0 886	<7.6
bis(2-Ethylhexyl)phthalate	mg/kg	<4 6	<0 399	<0.886	<7.6
Butylbenzylphthalate	mg/kg	<4 6	<0 399	<0 886	<7 6R
Chrysene	mg/kg	12 4	0 846	3.7	215
Dibenzo(a,h)Anthracene	mg/kg	2 07 J	0 134 J	0 628 J	29
Dibenzofuran	mg/kg	<4 6	<0 399	<0 886	25 1
Diethylphthalate	mg/kg	<4 6	<0 399	<0 886	<7 6
Dimethylphthalate	mg/kg	<4 6	<0.399	<0 886	<7.6
Di-N-Butylphthalate	mg/kg	<4 6	<0 399	<0.886	<7 6R
Di-n-octylphthalate	mg/kg	<4 6	<0 399	<0 886	<7 6
Fluoranthene	mg/kg	30 6	2 47	8 86	540
Fluorene	mg/kg	1 94 J	0.216 J	0.55 J	37 4
Hexachlorobenzene	mg/kg	<4 6	<0 399	<0 886	<7 6
Hexachlorobutadiene	mg/kg	<4 6	<0 399	<0 886	<7 6
Hexachlorocyclopentadiene	mg/kg	<4 6	<0 399	<0.886	<7 6R
Hexachloroethane	mg/kg	<4 6	<0 399	<0 886	<7.6R
Indeno(1,2,3-cd)pyrene	mg/kg	6 06	0 421	1 93	74.9
Isophorone	mg/kg	<4 6	<0 399	<0 886	<7 6
Naphthalene	mg/kg	<4 6	<0 399	<0.886	<7.6
Nitrobenzene	mg/kg	<4.6	<0.399	<0.886	<7 6
N-Nitroso-di-n-propylamine	mg/kg	<4 6	<0.399	<0 886	<7.6
N-Nitrosodiphenylamine	mg/kg	<4 6	<0 399	<0 886	<7.6
Pentachlorophenol	mg/kg	<46	<3 99	<8 86	<76R
Phenanthrene	mg/kg	20 8	1 73	6 06	503
Phenol	mg/kg	<4 18	<0 363	<0 805	<6 91
Pyrene	mg/kg	24 3	1 97	7 45	479

Notes:
< Not detected above Reporting Limit (RL)
J Concentration estimated
R, Rejected

TABLE E-12
TA-3 FINAL EXCAVATION, ANALYTICAL RESULTS -SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample	TA3-2-WALL-2	TA3-2-WALL-2 DUP-1	TA3-2-WALL-3	TA3-2-WALL-4
	Lab ID	L09050369-24	L09050369-36	L09050369-25	L09050369-26
	Date	5/14/2009	5/14/2009	5/14/2009	5/14/2009
Semi-Volatile Organic Compounds (8270C)	Units				
1,2,4-Trichlorobenzene	mg/kg	<1 59	<4 11	<1 86	<17 4
1,2-Dichlorobenzene	mg/kg	<1 59	<4 11	<1 86	<17 4
1,3-Dichlorobenzene	mg/kg	<1 59	<4 11	<1 86	<17 4
1,4-Dichlorobenzene	mg/kg	<1 59	<4 11	<1 86	<17 4
2,4,5-Trichlorophenol	mg/kg	<0 752	<1 94	<0 878	<8 22
2,4,6-Trichlorophenol	mg/kg	<0 683	<1 76	<0 799	<7 48
2,4-Dichlorophenol	mg/kg	<0 683	<1 76	<0 799	<7.48
2,4-Dimethylphenol	mg/kg	<0 683	<1 76	<0 799	<7 48
2,4-Dinitrophenol	mg/kg	<3 64	<9 39	<4 26	<39 9
2,4-Dinitrotoluene	mg/kg	<0 752	<1 94	<0 878	<8 22
2,6-Dinitrotoluene	mg/kg	<0 752	<1 94	<0 878	<8 22
2-Chloronaphthalene	mg/kg	<0 752	<1 94	<0 878	<8 22
2-Chlorophenol	mg/kg	<0 683	<1 76	<0 799	<7 48
2-Methylnaphthalene	mg/kg	<0 752	<1 94	<0 878	6 24 J
2-Methylphenol	mg/kg	<0 683	<1 76	<0 799	<7.48
2-Nitroaniline	mg/kg	<3 64	<9 39	<4 26	<39 9
2-Nitrophenol	mg/kg	<0 683	<1 76	<0 799	<7 48
3,3'-Dichlorobenzidine	mg/kg	<2 96	<7 63	<3 46	<32.4
3-,4-Methylphenol	mg/kg	<0 752	<1 94	<0 878	<8 22
3-Nitroaniline	mg/kg	<3.64	<9 39	<4 26	<39 9
4,6-Dinitro-2-methylphenol	mg/kg	<3 64	<9.39	<4 26	<39 9
4-Bromophenyl-phenylether	mg/kg	<0 752	<1 94	<0 878	<8 22
4-Chloro-3-methylphenol	mg/kg	<0 752	<1 94	<0 878	<8 22
4-Chloroaniline	mg/kg	<0 752	<1.94	<0 878	<8 22
4-Chlorophenyl-phenyl ether	mg/kg	<0 752	<1 94	<0 878	<8 22
4-Nitroaniline	mg/kg	<3 64	<9 39	<4 26	<39.9
4-Nitrophenol	mg/kg	<3 64	<9 39	<4 26	<39 9
Acenaphthene	mg/kg	<0 752	<1 94	<0 878	58 3
Acenaphthylene	mg/kg	<0 752	<1 94	<0 878	<8 22
Anthracene	mg/kg	1 07	<1 94	<0 878	93 7
Benzo(a)anthracene	mg/kg	1 72	0 672 J	0 235 J	249
Benzo(a)pyrene	mg/kg	1 45	0 54 J	<0 878	215
Benzo(b)fluoranthene	mg/kg	1.7	0 603 J	<0 878	232
Benzo(g,h,i)Perylene	mg/kg	1 08	<1 94	<0 878	91
Benzo(k)fluoranthene	mg/kg	1 43	0 516 J	<0 878	210
Benzoic acid	mg/kg	<11 4J	<29 3J	<13 3J	<125J
Benzyl alcohol	mg/kg	<0 752	<1 94	<0 878	<8.22
Bis(2-Chloroethoxy)Methane	mg/kg	<0 752	<1 94	<0 878	<8 22
Bis(2-Chloroethyl)ether	mg/kg	<0 752	<1 94	<0 878	<8 22
bis(2-Chloroisopropyl)ether	mg/kg	<0 752	<1 94	<0 878	<8 22
bis(2-Ethylhexyl)phthalate	mg/kg	<0 752	<1 94	<0 878	<8 22
Butylbenzylphthalate	mg/kg	<0 752	<1 94	<0 878	<8 22
Chrysene	mg/kg	1 91	0 744 J	0 258 J	279
Dibenzo(a,h)Anthracene	mg/kg	0 406 J	<1 94	<0 878	39 2
Dibenzofuran	mg/kg	<0 752	<1 94	<0 878	26 6
Diethylphthalate	mg/kg	<0 752	<1 94	<0 878	<8 22
Dimethylphthalate	mg/kg	<0.752	<1 94	<0 878	<8 22
Di-N-Butylphthalate	mg/kg	<0 752	<1 94	<0 878	<8 22
Di-n-octylphthalate	mg/kg	<0 752	<1 94	<0 878	<8 22
Fluoranthene	mg/kg	5.18	2 08	0 612 J	658
Fluorene	mg/kg	<0 752	<1 94	<0 878	45
Hexachlorobenzene	mg/kg	<0 752	<1 94	<0 878	<8 22
Hexachlorobutadiene	mg/kg	<0 752	<1 94	<0 878	<8 22
Hexachlorocyclopentadiene	mg/kg	<0 752	<1 94	<0 878	<8 22
Hexachloroethane	mg/kg	<0 752	<1 94	<0 878	<8 22
Indeno(1,2,3-cd)pyrene	mg/kg	1 01	<1 94	<0 878	97 9
Isophorone	mg/kg	<0 752	<1 94	<0 878	<8 22
Naphthalene	mg/kg	<0 752	<1 94	<0 878	9 28
Nitrobenzene	mg/kg	<0 752	<1.94	<0 878	<8 22
N-Nitroso-di-n-propylamine	mg/kg	<0 752	<1.94	<0 878	<8 22
N-Nitrosodiphenylamine	mg/kg	<0 752	<1 94	<0 878	<8 22
Pentachlorophenol	mg/kg	<7 52	<19 4	<8 78	<82 2
Phenanthrene	mg/kg	4 62	2 08	0 4 J	498
Phenol	mg/kg	<0 683	<1 76	<0 799	<7 48
Pyrene	mg/kg	4 07	<4.11	<1 86	610

Notes
< Not detected above Reporting Limit (RL)
J Concentration estimated
R. Rejected

TABLE E-12
TA-3 FINAL EXCAVATION, ANALYTICAL RESULTS -SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample	TA3-2-WALL-5	TA3-2-WALL-6	TA3-3-WALL-1	TA3-3-WALL-2
	Lab ID	L09050369-27	L09050369-28	L09050369-02	L09050369-07
	Date	5/14/2009	5/14/2009	5/14/2009	5/14/2009
Semi-Volatile Organic Compounds (8270C)	Units				
1,2,4-Trichlorobenzene	mg/kg	<4 61	<0.832	<19 2	<3.93
1,2-Dichlorobenzene	mg/kg	<4.61	<0 832	<19 2	<3 93
1,3-Dichlorobenzene	mg/kg	<4.61	<0 832	<19 2	<3 93
1,4-Dichlorobenzene	mg/kg	<4 61	<0 832	<19.2	<3 93
2,4,5-Trichlorophenol	mg/kg	<2.17	<0 392	<9.04	<1 85
2,4,6-Trichlorophenol	mg/kg	<1 98	<0 357	<8 22	<1.68
2,4-Dichlorophenol	mg/kg	<1 98	<0 357	<8.22	<1 68
2,4-Dimethylphenol	mg/kg	<1 98	<0 357	<8.22	<1 68
2,4-Dinitrophenol	mg/kg	<10 5	<1.9	<43 9	<8.98
2,4-Dinitrotoluene	mg/kg	<2.17	<0 392	<9.04	<1 85
2,6-Dinitrotoluene	mg/kg	<2 17	<0 392	<9 04	<1 85
2-Chloronaphthalene	mg/kg	<2 17	<0 392	<9.04	<1 85
2-Chlorophenol	mg/kg	<1 98	<0 357	<8.22	<1 68
2-Methylnaphthalene	mg/kg	<2 17	<0 392	<9.04	<1 85
2-Methylphenol	mg/kg	<1 98	<0.357	<8 22	<1.68
2-Nitroaniline	mg/kg	<10 5	<1 9	<43 9	<8.98
2-Nitrophenol	mg/kg	<1 98	<0 357	<8 22	<1.68
3,3'-Dichlorobenzidine	mg/kg	<8 57	<1 55	<35.6	<7 29
3-,4-Methylphenol	mg/kg	<2 17	<0.392	<9 04	<1 85
3-Nitroaniline	mg/kg	<10 5	<1 9	<43.9	<8 98
4,6-Dinitro-2-methylphenol	mg/kg	<10 5	<1 9	<43.9	<8 98
4-Bromophenyl-phenylether	mg/kg	<2 17	<0.392	<9 04	<1 85
4-Chloro-3-methylphenol	mg/kg	<2 17	<0 392	<9 04	<1.85
4-Chloroaniline	mg/kg	<2.17	<0 392	<9 04	<1.85
4-Chlorophenyl-phenyl ether	mg/kg	<2 17	<0 392	<9 04	<1 85
4-Nitroaniline	mg/kg	<10 5	<1 9	<43 9	<8 98
4-Nitrophenol	mg/kg	<10 5	<1.9	<43.9	<8 98
Acenaphthene	mg/kg	<2 17	<0.392	<9 04	<1 85
Acenaphthylene	mg/kg	<2 17	<0 392	<9 04	<1 85
Anthracene	mg/kg	0 573 J	<0.392	<9.04	<1 85
Benzo(a)anthracene	mg/kg	1 92 J	<0 392	<9 04	<1.85
Benzo(a)pyrene	mg/kg	1 7 J	<0.392	<9.04	<1 85
Benzo(b)fluoranthene	mg/kg	1 88 J	<0 392	<9 04	<1 85
Benzo(g,h,i)Perylene	mg/kg	1 21 J	<0 392	<9 04	<1 85
Benzo(k)fluoranthene	mg/kg	1 61 J	<0 392	<9.04	<1 85
Benzoic acid	mg/kg	<32 9J	<5.94J	<137J	<28 1J
Benzyl alcohol	mg/kg	<2 17	<0.392	<9 04	<1 85
Bis(2-Chloroethoxy)Methane	mg/kg	<2.17	<0.392	<9.04	<1.85
Bis(2-Chloroethyl)ether	mg/kg	<2 17	<0 392	<9 04	<1.85
bis(2-Chloroisopropyl)ether	mg/kg	<2 17	<0.392	<9 04	<1.85
bis(2-Ethylhexyl)phthalate	mg/kg	<2 17	<0 392	5 9 J	<1 85
Butylbenzylphthalate	mg/kg	<2 17	<0.392	<9 04	<1.85
Chrysene	mg/kg	2 1 J	<0 392	<9 04	<1 85
Dibenzo(a,h)Anthracene	mg/kg	<2 17	<0 392	<9.04	<1 85
Dibenzofuran	mg/kg	<2 17	<0 392	<9.04	<1.85
Diethylphthalate	mg/kg	<2.17	<0.392	<9 04	<1 85
Dimethylphthalate	mg/kg	<2.17	<0 392	<9 04	<1.85
Di-N-Butylphthalate	mg/kg	<2 17	<0 392	<9 04	<1 85
Di-n-octylphthalate	mg/kg	<2 17	<0 392	<9 04	<1.85
Fluoranthene	mg/kg	4 82	0 107 J	<9.04	<1.85
Fluorene	mg/kg	<2 17	<0.392	<9 04	<1 85
Hexachlorobenzene	mg/kg	<2 17	<0 392	<9.04	<1.85
Hexachlorobutadiene	mg/kg	<2 17	<0.392	<9 04	<1 85
Hexachlorocyclopentadiene	mg/kg	<2 17	<0 392	<9 04	<1.85
Hexachloroethane	mg/kg	<2 17	<0 392	<9 04	<1 85
Indeno(1,2,3-cd)pyrene	mg/kg	1.14 J	<0 392	<9 04	<1.85
Isophorone	mg/kg	<2 17	<0 392	<9 04	<1 85
Naphthalene	mg/kg	<2 17	<0 392	<9 04	<1 85
Nitrobenzene	mg/kg	<2 17	<0 392	<9 04	<1.85
N-Nitroso-di-n-propylamine	mg/kg	<2 17	<0 392	<9 04	<1 85
N-Nitrosodiphenylamine	mg/kg	<2 17	<0 392	<9 04	<1 85
Pentachlorophenol	mg/kg	<21 7	<3 92	<90 4	<18 5
Phenanthrene	mg/kg	2 36	<0 392	<9 04	<1 85
Phenol	mg/kg	<1 98	<0 357	<8 22	<1 68
Pyrene	mg/kg	2 76 J	<0 832	<19 2	<3 93

Notes
< Not detected above Reporting Limit (RL)
J. Concentration estimated
R Rejected

TABLE E-12
TA-3 FINAL EXCAVATION, ANALYTICAL RESULTS -SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample	TA3-3-WALL-3	TA3-3-WALL-4	TA3-3-WALL-5	TA3-3-WALL-6
	Lab ID	L09050369-08	L09050369-09	L09050369-10	L09050369-11
	Date	5/14/2009	5/14/2009	5/14/2009	5/14/2009
Semi-Volatile Organic Compounds (8270C)	Units				
1,2,4-Trichlorobenzene	mg/kg	<8 21	<21 4	<4.68J	<0 943
1,2-Dichlorobenzene	mg/kg	<8 21	<21 4	<4 68J	<0 943
1,3-Dichlorobenzene	mg/kg	<8 21	<21.4	<4 68J	<0 943
1,4-Dichlorobenzene	mg/kg	<8 21	<21 4	<4 68J	<0 943
2,4,5-Trichlorophenol	mg/kg	<3 87	<10 1	<2.21	<0 444
2,4,6-Trichlorophenol	mg/kg	<3 52	<9 17	<2 01	<0.404
2,4-Dichlorophenol	mg/kg	<3 52	<9 17	<2 01	<0 404
2,4-Dimethylphenol	mg/kg	<3 52	<9 17	<2 01	<0.404
2,4-Dinitrophenol	mg/kg	<18 8	<48 9	<10 7	<2 15
2,4-Dinitrotoluene	mg/kg	<3 87	<10.1	<2 21J	<0 444
2,6-Dinitrotoluene	mg/kg	<3 87	<10.1	<2 21J	<0 444
2-Chloronaphthalene	mg/kg	<3 87	<10 1	<2 21J	<0 444
2-Chlorophenol	mg/kg	<3 52	<9 17	<2 01	<0 404
2-Methylnaphthalene	mg/kg	<3 87	3 19 J	<2 21J	<0 444
2-Methylphenol	mg/kg	<3 52	<9 17	<2 01	<0 404
2-Nitroaniline	mg/kg	<18 8	<48 9	<10 7J	<2.15
2-Nitrophenol	mg/kg	<3 52	<9.17	<2 01	<0 404
3,3'-Dichlorobenzidine	mg/kg	<15 2	<39 7	<8.7J	<1 75
3-,4-Methylphenol	mg/kg	<3 87	<10 1	<2 21	<0 444
3-Nitroaniline	mg/kg	<18 8	<48 9	<10 7J	<2 15
4,6-Dinitro-2-methylphenol	mg/kg	<18 8	<48 9	<10 7	<2 15
4-Bromophenyl-phenylether	mg/kg	<3 87	<10 1	<2 21J	<0 444
4-Chloro-3-methylphenol	mg/kg	<3 87	<10 1	<2 21	<0.444
4-Chloroaniline	mg/kg	<3 87	<10 1	<2.21J	<0 444
4-Chlorophenyl-phenyl ether	mg/kg	<3 87	<10.1	<2 21J	<0 444
4-Nitroaniline	mg/kg	<18 8	<48 9	<10 7J	<2 15
4-Nitrophenol	mg/kg	<18 8	<48 9	<10 7	<2 15
Acenaphthene	mg/kg	<3 87	27 2	<2 21J	<0 444
Acenaphthylene	mg/kg	<3 87	<10 1	<2 21J	<0 444
Anthracene	mg/kg	<3 87	39 9	<2.21J	<0 444
Benzo(a)anthracene	mg/kg	<3 87	93 4	<2 21J	<0 444
Benzo(a)pyrene	mg/kg	<3 87	82	<2 21J	<0 444
Benzo(b)fluoranthene	mg/kg	<3 87	88 8	<2 21J	<0 444
Benzo(g,h,i)Perylene	mg/kg	<3 87	33 5	<2 21J	<0 444
Benzo(k)fluoranthene	mg/kg	<3 87	93 5	<2 21J	<0 444
Benzoic acid	mg/kg	<58 6J	<153J	<33 5J	<6 73J
Benzyl alcohol	mg/kg	<3 87	<10 1	<2 21J	<0 444
Bis(2-Chloroethoxy)Methane	mg/kg	<3 87	<10 1	<2.21J	<0 444
Bis(2-Chloroethyl)ether	mg/kg	<3.87	<10 1	<2 21J	<0 444
bis(2-Chloroisopropyl)ether	mg/kg	<3 87	<10.1	<2 21J	<0 444
bis(2-Ethylhexyl)phthalate	mg/kg	<3 87	<10.1	<2 21J	<0 444
Butylbenzylphthalate	mg/kg	<3 87	<10 1	<2 21J	<0 444
Chrysene	mg/kg	<3 87	104	<2 21J	<0 444
Dibenzo(a,h)Anthracene	mg/kg	<3 87	12 1	<2 21J	<0 444
Dibenzofuran	mg/kg	<3 87	11 3	<2 21J	<0 444
Diethylphthalate	mg/kg	<3 87	<10 1	<2 21J	<0 444
Dimethylphthalate	mg/kg	<3 87	<10 1	<2 21J	<0 444
Di-N-Butylphthalate	mg/kg	<3 87	<10 1	<2 21J	<0 444
Di-n-octylphthalate	mg/kg	<3 87	<10 1	<2 21J	<0 444
Fluoranthene	mg/kg	1 92 J	268	1 15 J	<0 444
Fluorene	mg/kg	<3 87	18 1	<2 21J	<0 444
Hexachlorobenzene	mg/kg	<3 87	<10 1	<2.21J	<0 444
Hexachlorobutadiene	mg/kg	<3 87	<10 1	<2 21J	<0 444
Hexachlorocyclopentadiene	mg/kg	<3.87	<10 1	<2 21J	<0 444
Hexachloroethane	mg/kg	<3 87	<10 1	<2 21J	<0 444
Indeno(1,2,3-cd)pyrene	mg/kg	<3 87	35	<2 21J	<0 444
Isophorone	mg/kg	<3 87	<10 1	<2 21J	<0 444
Naphthalene	mg/kg	<3 87	10 6	<2 21J	<0 444
Nitrobenzene	mg/kg	<3 87	<10 1	<2 21J	<0 444
N-Nitroso-di-n-propylamine	mg/kg	<3 87	<10 1	<2 21J	<0 444
N-Nitrosodiphenylamine	mg/kg	<3 87	<10 1	<2 21J	<0 444
Pentachlorophenol	mg/kg	<38 7	<101	<22 1	<4 44
Phenanthrene	mg/kg	1 13 J	172	0 905 J	<0 444
Phenol	mg/kg	<3 52	<9 17	<2 01	<0 404
Pyrene	mg/kg	<8 21	241	<4 68J	<0 943

Notes
< Not detected above Reporting Limit (RL)
J Concentration estimated
R Rejected

TABLE E-12
TA-3 FINAL EXCAVATION, ANALYTICAL RESULTS -SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample	TA3-3-WALL-7	TA3-FLOOR-1	TA3-FLOOR-2	FLOOR-2 DUP-2
	Lab ID	L09050369-12	L09060199-02	L09060199-03	L09060199-23
	Date	5/14/2009	6/5/2009	6/5/2009	6/5/2009
Semi-Volatile Organic Compounds (8270C)	Units				
1,2,4-Trichlorobenzene	mg/kg	<456	<9 13	<4.12	<4 65
1,2-Dichlorobenzene	mg/kg	<456	<9 13	<4 12	<4 65
1,3-Dichlorobenzene	mg/kg	<456	<9 13	<4 12	<4 65
1,4-Dichlorobenzene	mg/kg	<456	<9 13	<4 12	<4 65
2,4,5-Trichlorophenol	mg/kg	<215	<4 31	<1 94J	<2 19R
2,4,6-Trichlorophenol	mg/kg	<196	<3 91	<1 76J	<1 99R
2,4-Dichlorophenol	mg/kg	<196	<3 91	<1 76J	<1 99R
2,4-Dimethylphenol	mg/kg	<196	<3 91	<1 76J	<1 99R
2,4-Dinitrophenol	mg/kg	<1040	<20.9	<9.41J	<10.6R
2,4-Dinitrotoluene	mg/kg	<215	<4 31	<1 94	<2 19
2,6-Dinitrotoluene	mg/kg	<215	<4 31	<1 94	<2 19
2-Chloronaphthalene	mg/kg	<215	<4 31	<1.94	<2.19
2-Chlorophenol	mg/kg	<196	<3 91	<1.76J	<1.99R
2-Methylnaphthalene	mg/kg	80 3 J	1.2 J	<1.94	<2.19
2-Methylphenol	mg/kg	<196	<3.91	<1 76J	<1.99R
2-Nitroaniline	mg/kg	<1040	<20 9	<9.41	<10.6
2-Nitrophenol	mg/kg	<196	<3.91	<1 76J	<1.99R
3,3'-Dichlorobenzidine	mg/kg	<848	<17	<7 64	<8.64
3-,4-Methylphenol	mg/kg	<215	<4 31	<1 94J	<2 19R
3-Nitroaniline	mg/kg	<1040	<20 9	<9.41	<10.6
4,6-Dinitro-2-methylphenol	mg/kg	<1040	<20.9	<9 41J	<10 6R
4-Bromophenyl-phenylether	mg/kg	<215	<4.31	<1 94	<2 19
4-Chloro-3-methylphenol	mg/kg	<215	<4 31	<1 94J	<2.19R
4-Chloroaniline	mg/kg	<215	<4 31	<1 94	<2 19
4-Chlorophenyl-phenyl ether	mg/kg	<215	<4 31	<1 94	<2 19
4-Nitroaniline	mg/kg	<1040	<20 9	<9 41	<10 6
4-Nitrophenol	mg/kg	<1040	<20 9	<9.41J	<10.6R
Acenaphthene	mg/kg	685	10 4	2 44	1.95 J
Acenaphthylene	mg/kg	<215	<4 31	<1.94	<2.19
Anthracene	mg/kg	1020	14 8	4.01	3.4
Benzo(a)anthracene	mg/kg	2480	35.6	9 69	8 95
Benzo(a)pyrene	mg/kg	2260	33 2	8.55	4 02
Benzo(b)fluoranthene	mg/kg	2260	39 8	10 4	7 42
Benzo(g,h,i)Perylene	mg/kg	1410	12.7	3 41	5 41
Benzo(k)fluoranthene	mg/kg	2450	34 9	9.19	8 31
Benzoic acid	mg/kg	<3260J	<65 2J	<29.4J	<33 2R
Benzyl alcohol	mg/kg	<215	<4 31	<1.94	<2 19
Bis(2-Chloroethoxy)Methane	mg/kg	<215	<4 31	<1.94	<2 19J
Bis(2-Chloroethyl)ether	mg/kg	<215	<4.31	<1 94	<2 19
bis(2-Chloroisopropyl)ether	mg/kg	<215	<4 31	<1.94	<2 19
bis(2-Ethylhexyl)phthalate	mg/kg	<215	<4 31	<1.94	<2 19
Butylbenzylphthalate	mg/kg	<215	<4 31	<1 94	<2.19
Chrysene	mg/kg	2780	40 7	10 8	9 89
Dibenzo(a,h)Anthracene	mg/kg	545	4 41	<1 94	1.63 J
Dibenzofuran	mg/kg	350	2 64 J	<1.94	1 04 J
Diethylphthalate	mg/kg	<215	<4 31	<1 94	<2 19
Dimethylphthalate	mg/kg	<215	<4 31	<1 94	<2 19
Di-N-Butylphthalate	mg/kg	<215	<4 31	<1 94	<2.19
Di-n-octylphthalate	mg/kg	<215	<4 31	<1 94	<2.19
Fluoranthene	mg/kg	7880	103	25.4	24 5
Fluorene	mg/kg	519	7 7	1 94	1 63 J
Hexachlorobenzene	mg/kg	<215	<4 31	<1 94	<2 19
Hexachlorobutadiene	mg/kg	<215	<4 31	<1 94	<2 19
Hexachlorocyclopentadiene	mg/kg	<215	<4 31	<1 94	<2.19
Hexachloroethane	mg/kg	<215	<4 31	<1 94	<2.19
Indeno(1,2,3-cd)pyrene	mg/kg	1390	13 7	3 79	5.02
Isophorone	mg/kg	<215	<4 31	<1 94	<2 19
Naphthalene	mg/kg	155	2 43 J	0 597 J	<2.19
Nitrobenzene	mg/kg	<215	<4 31	<1.94	<2 19
N-Nitroso-di-n-propylamine	mg/kg	<215	<4 31	<1 94	<2 19
N-Nitrosodiphenylamine	mg/kg	<215	<4 31	<1 94	<2 19
Pentachlorophenol	mg/kg	<2150	<43 1	<19.4J	<21.9R
Phenanthrene	mg/kg	6120	68 5	19 3	18 2
Phenol	mg/kg	<196	<3 91	<1 76J	<1.99R
Pyrene	mg/kg	6270	66 8	19	18

Notes
<. Not detected above Reporting Limit (RL)
J Concentration estimated
R Rejected

TABLE E-12
TA-3 FINAL EXCAVATION, ANALYTICAL RESULTS -SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample	TA3-FLOOR-3	TA3-FLOOR-4	TA3-FLOOR-5	FLOOR-6
	Lab ID	L09060199-05	L09060199-06	L09060199-08	L09060199-12
	Date	6/5/2009	6/5/2009	6/5/2009	6/5/2009
Semi-Volatile Organic Compounds (8270C)	Units				
1,2,4-Trichlorobenzene	mg/kg	<2 01	<19.5	<18.2	<18 8
1,2-Dichlorobenzene	mg/kg	<2 01	<19.5	<18 2	<18 8
1,3-Dichlorobenzene	mg/kg	<2 01	<19 5	<18 2	<18.8
1,4-Dichlorobenzene	mg/kg	<2 01	<19 5	<18 2	<18 8
2,4,5-Trichlorophenol	mg/kg	<0 947	<9 2	<8 57	<8 85
2,4,6-Trichlorophenol	mg/kg	<0 861	<8 36	<7 79	<8 05
2,4-Dichlorophenol	mg/kg	<0 861	<8 36	<7 79	<8 05
2,4-Dimethylphenol	mg/kg	<0 861	<8 36	<7 79	<8 05
2,4-Dinitrophenol	mg/kg	<4 59	<44.6	<41 6	<42.9
2,4-Dinitrotoluene	mg/kg	<0 947	<9 2	<8 57	<8 85
2,6-Dinitrotoluene	mg/kg	<0 947	<9 2	<8 57	<8 85
2-Chloronaphthalene	mg/kg	<0 947	<9 2	<8.57	<8 85
2-Chlorophenol	mg/kg	<0 861	<8 36	<7 79	<8 05
2-Methylnaphthalene	mg/kg	<0 947	<9 2	<8 57	<8 85
2-Methylphenol	mg/kg	<0 861	<8 36	<7 79	<8 05
2-Nitroaniline	mg/kg	<4 59	<44 6	<41 6	<42 9
2-Nitrophenol	mg/kg	<0 861	<8 36	<7 79	<8 05
3,3'-Dichlorobenzidine	mg/kg	<3.73	<36.2	<33 8	<34 9
3-,4-Methylphenol	mg/kg	<0 947	<9 2	<8 57	<8 85
3-Nitroaniline	mg/kg	<4.59	<44 6	<41 6	<42 9
4,6-Dinitro-2-methylphenol	mg/kg	<4.59	<44 6	<41 6	<42 9
4-Bromophenyl-phenylether	mg/kg	<0 947	<9 2	<8 57	<8 85
4-Chloro-3-methylphenol	mg/kg	<0 947	<9 2	<8 57	<8 85
4-Chloroaniline	mg/kg	<0 947	<9 2	<8 57	<8 85
4-Chlorophenyl-phenyl ether	mg/kg	<0 947	<9 2	<8 57	<8 85
4-Nitroaniline	mg/kg	<4 59	<44 6	<41 6	<42 9
4-Nitrophenol	mg/kg	<4 59	<44 6	<41 6	<42 9
Acenaphthene	mg/kg	0 335 J	8 97 J	<8 57	<8 85
Acenaphthylene	mg/kg	<0 947	<9 2	<8 57	<8 85
Anthracene	mg/kg	0 617 J	13 6	<8 57	<8 85
Benzo(a)anthracene	mg/kg	1 75	34 6	4 87 J	<8 85
Benzo(a)pyrene	mg/kg	1 59	30 9	2 27 J	<8 85
Benzo(b)fluoranthene	mg/kg	1 73	35 1	4 65 J	<8 85
Benzo(g,h,i)Perylene	mg/kg	0 943 J	12 8	<8 57	<8 85
Benzo(k)fluoranthene	mg/kg	1 66	32 8	4 78 J	<8 85
Benzoic acid	mg/kg	<14 4J	<139J	<130J	<134J
Benzyl alcohol	mg/kg	<0 947	<9 2	<8 57	<8 85
Bis(2-Chloroethoxy)Methane	mg/kg	<0 947	<9 2	<8 57	<8 85
Bis(2-Chloroethyl)ether	mg/kg	<0 947	<9 2	<8 57	<8.85
bis(2-Chloroisopropyl)ether	mg/kg	<0 947	<9 2	<8 57	<8 85
bis(2-Ethylhexyl)phthalate	mg/kg	1 21	<9 2	2 79 J	<8 85
Butylbenzylphthalate	mg/kg	<0 947	<9 2	<8 57	<8 85
Chrysene	mg/kg	1 99	39 1	5 6 J	<8 85
Dibenzo(a,h)Anthracene	mg/kg	<0 947	6 02 J	<8 57	<8 85
Dibenzofuran	mg/kg	<0 947	<9 2	<8 57	<8 85
Diethylphthalate	mg/kg	<0 947	<9 2	<8 57	<8 85
Dimethylphthalate	mg/kg	<0 947	<9 2	<8 57	<8 85
Di-N-Butylphthalate	mg/kg	<0 947	<9 2	<8 57	<8 85
Di-n-octylphthalate	mg/kg	<0 947	<9 2	<8 57	<8 85
Fluoranthene	mg/kg	4 74	90 9	13 9	5 16 J
Fluorene	mg/kg	0 272 J	6 9 J	<8 57	<8.85
Hexachlorobenzene	mg/kg	<0 947	<9.2	<8 57	<8 85
Hexachlorobutadiene	mg/kg	<0 947	<9 2	<8 57	<8 85
Hexachlorocyclopentadiene	mg/kg	<0 947	<9 2	<8 57	<8 85
Hexachloroethane	mg/kg	<0 947	<9 2	<8 57	<8 85
Indeno(1,2,3-cd)pyrene	mg/kg	0 951	14 1	<8 57	<8 85
Isophorone	mg/kg	<0 947	<9 2	<8 57	<8 85
Naphthalene	mg/kg	<0 947	<9 2	<8 57	<8 85
Nitrobenzene	mg/kg	<0 947	<9 2	<8 57	<8.85
N-Nitroso-di-n-propylamine	mg/kg	<0 947	<9 2	<8 57	<8 85
N-Nitrosodiphenylamine	mg/kg	<0 947	<9 2	<8 57	<8 85
Pentachlorophenol	mg/kg	<9 47	<92	13 3 J	16 6 J
Phenanthrene	mg/kg	3 36	67 3	10 4	2 96 J
Phenol	mg/kg	<0 861	<8 36	<7 79	<8 05
Pyrene	mg/kg	3 41	65 1	9 58 J	3 93 J

Notes
< Not detected above Reporting Limit (RL)
J Concentration estimated
R Rejected

TABLE E-12
TA-3 FINAL EXCAVATION, ANALYTICAL RESULTS -SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample	FLOOR-6 DUP-1	TA3-FLOOR-7	TA3-FLOOR-8	TA3-FLOOR-9
	Lab ID	L09060199-22	L09060199-15	L09060199-16	L09060199-19
	Date	6/5/2009	6/5/2009	6/5/2009	6/5/2009
Semi-Volatile Organic Compounds (8270C)	Units				
1,2,4-Trichlorobenzene	mg/kg	<18 2	0 638 J	<9 15	<15.3
1,2-Dichlorobenzene	mg/kg	<18 2	<4 86	<9 15	<15.3
1,3-Dichlorobenzene	mg/kg	<18 2	<4 86	<9 15	<15.3
1,4-Dichlorobenzene	mg/kg	<18.2	<4 86	<9 15	<15.3
2,4,5-Trichlorophenol	mg/kg	<8.59	<2 29R	<4 32	<7.19
2,4,6-Trichlorophenol	mg/kg	<7 81	1 45 R	<3 92	<6.54
2,4-Dichlorophenol	mg/kg	<7 81	<2 08R	<3 92	<6 54
2,4-Dimethylphenol	mg/kg	<7 81	<2 08R	<3 92	<6.54
2,4-Dinitrophenol	mg/kg	<41 6	<11 1R	<20 9	<34.9
2,4-Dinitrotoluene	mg/kg	<8 59	<2 29	<4 32	<7.19
2,6-Dinitrotoluene	mg/kg	<8 59	<2 29	<4 32	<7 19
2-Chloronaphthalene	mg/kg	<8 59	<2 29	<4 32	<7 19
2-Chlorophenol	mg/kg	<7 81	<2 08R	<3 92	<6.54
2-Methylnaphthalene	mg/kg	<8.59	<2 29	<4 32	<7.19
2-Methylphenol	mg/kg	<7.81	<2 08R	<3 92	<6.54
2-Nitroaniline	mg/kg	<41 6	<11 1	<20.9	<34 9
2-Nitrophenol	mg/kg	<7 81	<2.08R	<3 92	<6 54
3,3'-Dichlorobenzidine	mg/kg	<33 8	<9 03	<17	<28 3
3-,4-Methylphenol	mg/kg	<8.59	<2.29R	<4 32	<7.19
3-Nitroaniline	mg/kg	<41 6	<11 1	<20.9	<34 9
4,6-Dinitro-2-methylphenol	mg/kg	<41.6	<11.1R	<20 9	<34 9
4-Bromophenyl-phenylether	mg/kg	<8 59	<2 29	<4 32	<7.19
4-Chloro-3-methylphenol	mg/kg	<8 59	<2 29R	<4 32	<7.19
4-Chloroaniline	mg/kg	<8.59	<2 29	<4 32	<7.19
4-Chlorophenyl-phenyl ether	mg/kg	<8.59	<2 29	<4 32	<7 19
4-Nitroaniline	mg/kg	<41 6	<11 1	<20 9	<34 9
4-Nitrophenol	mg/kg	<41.6	<11 1R	<20 9	<34.9
Acenaphthene	mg/kg	<8 59	<2.29	<4.32	4 35 J
Acenaphthylene	mg/kg	<8 59	<2 29	<4 32	<7.19
Anthracene	mg/kg	<8 59	<2 29	<4.32	6 68 J
Benzo(a)anthracene	mg/kg	<8 59	<2 29	<4 32	16.9
Benzo(a)pyrene	mg/kg	<8 59	<2 29J	<4.32	15.7
Benzo(b)fluoranthene	mg/kg	<8 59	1 1 J	<4 32	17 6
Benzo(g,h,i)Perylene	mg/kg	<8 59	<2 29J	<4 32	7 39
Benzo(k)fluoranthene	mg/kg	2 22 J	0 882 J	<4 32	16.6
Benzoic acid	mg/kg	<130J	<34 7R	<65 4J	<109J
Benzyl alcohol	mg/kg	<8 59	<2 29	<4 32	<7 19
Bis(2-Chloroethoxy)Methane	mg/kg	<8 59	<2 29	<4 32	<7 19
Bis(2-Chloroethyl)ether	mg/kg	<8 59	<2.29	<4 32	<7.19
bis(2-Chloroisopropyl)ether	mg/kg	<8 59	<2 29	<4 32	<7 19
bis(2-Ethylhexyl)phthalate	mg/kg	<8 59	2 81	<4.32	<7 19
Butylbenzylphthalate	mg/kg	<8 59	<2 29	<4 32	<7 19
Chrysene	mg/kg	2 82 J	<2 29	<4.32	19 3
Dibenzo(a,h)Anthracene	mg/kg	<8 59	<2 29J	<4 32	2.3 J
Dibenzofuran	mg/kg	<8 59	<2 29	<4.32	<7.19
Diethylphthalate	mg/kg	<8 59	<2 29	<4 32	<7 19
Dimethylphthalate	mg/kg	<8 59	<2 29	<4 32	<7.19
Di-N-Butylphthalate	mg/kg	<8 59	<2 29	<4.32	<7.19
Di-n-octylphthalate	mg/kg	<8 59	<2 29J	<4 32	<7.19
Fluoranthene	mg/kg	6 06 J	1 11 J	1 42 J	47 2
Fluorene	mg/kg	<8.59	<2 29	<4 32	4 58 J
Hexachlorobenzene	mg/kg	<8 59	1 08 J	<4 32	<7 19
Hexachlorobutadiene	mg/kg	<8 59	<2.29	<4 32	<7 19
Hexachlorocyclopentadiene	mg/kg	<8 59	1 11 J	<4.32	<7.19
Hexachloroethane	mg/kg	<8 59	<2 29	<4 32	<7 19
Indeno(1,2,3-cd)pyrene	mg/kg	<8 59	<2 29J	<4 32	8 05
Isophorone	mg/kg	<8 59	<2 29	<4 32	<7 19
Naphthalene	mg/kg	<8 59	1 15 J	<4 32	<7.19
Nitrobenzene	mg/kg	<8 59	<2 29	<4.32	<7.19
N-Nitroso-di-n-propylamine	mg/kg	<8 59	<2 29	<4 32	<7 19
N-Nitrosodiphenylamine	mg/kg	<8 59	<2 29	<4 32	<7.19
Pentachlorophenol	mg/kg	15 8 J	66 9 R	<43 2	<71.9
Phenanthrene	mg/kg	4 77 J	0 899 J	<4 32	35 5
Phenol	mg/kg	<7 81	<2 08R	<3 92	<6 54
Pyrene	mg/kg	4 12 J	0 748 J	1 09 J	33 4

Notes.
<: Not detected above Reporting Limit (RL)
J. Concentration estimated
R Rejected

TABLE E-12
TA-3 FINAL EXCAVATION, ANALYTICAL RESULTS -SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample	TA3-WALL-1	TA3-WALL-2	TA3-WALL-3	TA3-WALL-4
	Lab ID	L09060199-01	L09060199-04	L09060199-07	L09060199-09
	Date	6/5/2009	6/5/2009	6/5/2009	6/5/2009
Semi-Volatile Organic Compounds (8270C)	Units				
1,2,4-Trichlorobenzene	mg/kg	<4 1	<0 85	<18 5	<0 937
1,2-Dichlorobenzene	mg/kg	<4 1	<0 85	<18 5	<0.937
1,3-Dichlorobenzene	mg/kg	<4.1	<0 85	<18.5	<0 937
1,4-Dichlorobenzene	mg/kg	<4 1	<0 85	<18 5	<0.937
2,4,5-Trichlorophenol	mg/kg	<1 93	<0 401	<8 71	<0 442
2,4,6-Trichlorophenol	mg/kg	<1 76	<0 364	<7 92	<0 402
2,4-Dichlorophenol	mg/kg	<1 76	<0 364	<7 92	<0 402
2,4-Dimethylphenol	mg/kg	<1 76	<0 364	<7 92	<0 402
2,4-Dinitrophenol	mg/kg	<9 36	<1 94	<42 2	<2 14R
2,4-Dinitrotoluene	mg/kg	<1.93	<0 401	<8.71	<0 442
2,6-Dinitrotoluene	mg/kg	<1 93	<0 401	<8 71	<0 442
2-Chloronaphthalene	mg/kg	<1.93	<0 401	<8 71	<0 442
2-Chlorophenol	mg/kg	<1 76	<0 364	<7 92	<0 402
2-Methylnaphthalene	mg/kg	<1.93	<0 401	<8 71	<0 442
2-Methylphenol	mg/kg	<1.76	<0 364	<7 92	<0 402
2-Nitroaniline	mg/kg	<9 36	<1 94	<42 2	<2 14
2-Nitrophenol	mg/kg	<1 76	<0 364	<7 92	<0 402J
3,3'-Dichlorobenzidine	mg/kg	<7 61	<1 58	<34 3	<1 74
3-,4-Methylphenol	mg/kg	<1 93	<0 401	<8 71	<0 442
3-Nitroaniline	mg/kg	<9 36	<1 94	<42 2	<2.14
4,6-Dinitro-2-methylphenol	mg/kg	<9 36	<1 94	<42 2	<2.14J
4-Bromophenyl-phenylether	mg/kg	<1 93	<0 401	<8 71	<0 442
4-Chloro-3-methylphenol	mg/kg	<1 93	<0 401	<8 71	<0 442
4-Chloroaniline	mg/kg	<1 93	<0 401	<8 71	<0 442
4-Chlorophenyl-phenyl ether	mg/kg	<1 93	<0 401	<8 71	<0 442
4-Nitroaniline	mg/kg	<9 36	<1 94	<42 2	<2 14
4-Nitrophenol	mg/kg	<9 36	<1 94	<42 2	<2 14
Acenaphthene	mg/kg	2 11	<0 401	<8 71	<0 442
Acenaphthylene	mg/kg	<1 93	<0 401	<8.71	<0 442
Anthracene	mg/kg	3 33	<0 401	<8 71	<0 442
Benzo(a)anthracene	mg/kg	9 45	<0 401	<8 71	<0 442
Benzo(a)pyrene	mg/kg	8 76	<0 401	<8 71	<0 442
Benzo(b)fluoranthene	mg/kg	10 6	<0 401	<8 71	<0 442
Benzo(g,h,i)Perylene	mg/kg	3 72	<0 401	<8 71	<0.442
Benzo(k)fluoranthene	mg/kg	9 24	<0 401	<8 71	<0.442
Benzoic acid	mg/kg	<29.3J	<6 07J	<132J	<6 69J
Benzyl alcohol	mg/kg	<1 93	<0 401	<8 71	<0 442
Bis(2-Chloroethoxy)Methane	mg/kg	<1 93	<0 401	<8 71	<0 442
Bis(2-Chloroethyl)ether	mg/kg	<1 93	<0 401	<8 71	<0 442
bis(2-Chloroisopropyl)ether	mg/kg	<1 93	<0 401	<8 71	<0 442
bis(2-Ethylhexyl)phthalate	mg/kg	<1 93	<0 401	<8 71	<0 442
Butylbenzylphthalate	mg/kg	<1 93	<0 401	<8.71	<0 442
Chrysene	mg/kg	10 8	<0 401	<8 71	<0 442
Dibenzo(a,h)Anthracene	mg/kg	1 34 J	<0 401	<8 71	<0 442
Dibenzofuran	mg/kg	<1.93	<0 401	<8 71	<0.442
Diethylphthalate	mg/kg	<1 93	<0 401	<8 71	<0 442
Dimethylphthalate	mg/kg	<1 93	<0 401	<8 71	<0 442
Di-N-Butylphthalate	mg/kg	<1.93	<0 401	<8 71	<0 442
Di-n-octylphthalate	mg/kg	<1 93	<0.401	<8 71	<0 442
Fluoranthene	mg/kg	24 9	0 112 J	<8 71	<0 442
Fluorene	mg/kg	1 47 J	<0 401	<8 71	<0 442
Hexachlorobenzene	mg/kg	<1 93	<0 401	<8 71	<0 442
Hexachlorobutadiene	mg/kg	<1 93	<0 401	<8 71	<0 442
Hexachlorocyclopentadiene	mg/kg	<1 93	<0 401	<8 71	<0 442R
Hexachloroethane	mg/kg	<1 93	<0 401	<8 71	<0 442
Indeno(1,2,3-cd)pyrene	mg/kg	4 03	<0 401	<8 71	<0 442
Isophorone	mg/kg	<1 93	<0 401	<8 71	<0 442
Naphthalene	mg/kg	<1 93	<0 401	<8 71	<0 442
Nitrobenzene	mg/kg	<1 93	<0 401	<8 71	<0 442
N-Nitroso-di-n-propylamine	mg/kg	<1 93	<0 401	<8 71	<0 442
N-Nitrosodiphenylamine	mg/kg	<1 93	<0 401	<8 71	<0 442
Pentachlorophenol	mg/kg	<19 3	<4 01	<87 1	<4 42
Phenanthrene	mg/kg	17 2	<0 401	<8 71	<0 442
Phenol	mg/kg	<1 76	<0 364	<7 92	<0 402
Pyrene	mg/kg	18 5	<0 85	<18 5	<0 937

Notes
<, Not detected above Reporting Limit (RL)
J Concentration estimated
R Rejected

TABLE E-12
TA-3 FINAL EXCAVATION, ANALYTICAL RESULTS -SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample	TA3-WALL-5	TA3-WALL-6	TA3-WALL-7	TA3-WALL-8
	Lab ID	L09060199-13	L09060199-14	L09060199-17	L09060199-18
	Date	6/5/2009	6/5/2009	6/5/2009	6/5/2009
Semi-Volatile Organic Compounds (8270C)	Units				
1,2,4-Trichlorobenzene	mg/kg	<0 937	<3.58	<9	<15.3
1,2-Dichlorobenzene	mg/kg	<0 937	<3 58	<9	<15.3
1,3-Dichlorobenzene	mg/kg	<0 937	<3 58	<9	<15 3
1,4-Dichlorobenzene	mg/kg	<0 937	<3.58	<9	<15 3
2,4,5-Trichlorophenol	mg/kg	<0 442	<1.69	<4 24	<7.21
2,4,6-Trichlorophenol	mg/kg	<0 402	<1 53	<3 86	<6.56
2,4-Dichlorophenol	mg/kg	<0.402	<1 53	<3 86	<6 56
2,4-Dimethylphenol	mg/kg	<0.402	<1 53	<3 86	<6.56
2,4-Dinitrophenol	mg/kg	<2.14	<8.18	<20 6	<35
2,4-Dinitrotoluene	mg/kg	<0 442	<1 69	<4 24	<7 21
2,6-Dinitrotoluene	mg/kg	<0 442	<1.69	<4 24	<7.21
2-Chloronaphthalene	mg/kg	<0 442	<1 69	<4 24	<7 21
2-Chlorophenol	mg/kg	<0.402	<1 53	<3 86	<6 56
2-Methylnaphthalene	mg/kg	<0 442	<1 69	<4 24	<7 21
2-Methylphenol	mg/kg	<0 402	<1.53	<3 86	<6.56
2-Nitroaniline	mg/kg	<2 14	<8 18	<20.6	<35
2-Nitrophenol	mg/kg	<0 402	<1 53	<3.86	<6 56
3,3'-Dichlorobenzidine	mg/kg	<1 74	<6 65	<16.7	<28 4
3-,4-Methylphenol	mg/kg	<0 442	<1 69	<4.24	<7 21
3-Nitroaniline	mg/kg	<2.14	<8 18	<20 6	<35
4,6-Dinitro-2-methylphenol	mg/kg	<2 14	<8 18	<20.6	<35
4-Bromophenyl-phenylether	mg/kg	<0 442	<1 69	<4 24	<7.21
4-Chloro-3-methylphenol	mg/kg	<0 442	<1 69	<4.24	<7.21
4-Chloroaniline	mg/kg	<0.442	<1 69	<4 24	<7 21
4-Chlorophenyl-phenyl ether	mg/kg	<0 442	<1 69	<4 24	<7 21
4-Nitroaniline	mg/kg	<2 14	<8 18	<20 6	<35
4-Nitrophenol	mg/kg	<2 14	<8 18	<20 6	<35
Acenaphthene	mg/kg	<0.442	<1 69	<4 24	<7 21
Acenaphthylene	mg/kg	<0 442	<1 69	<4 24	<7 21
Anthracene	mg/kg	<0 442	<1 69	<4 24	<7 21
Benzo(a)anthracene	mg/kg	<0 442	<1 69	<4 24	3 44 J
Benzo(a)pyrene	mg/kg	<0 442	<1 69	<4 24	3.26 J
Benzo(b)fluoranthene	mg/kg	<0 442	<1 69	<4 24	3 76 J
Benzo(g,h,i)Perylene	mg/kg	<0 442	<1.69	<4 24	<7.21
Benzo(k)fluoranthene	mg/kg	<0 442	<1 69	<4 24	3.3 J
Benzoic acid	mg/kg	<6 69	<25 6J	<64 3J	<109J
Benzyl alcohol	mg/kg	<0 442	<1 69	<4 24	<7 21
Bis(2-Chloroethoxy)Methane	mg/kg	<0 442	<1 69	<4.24	<7.21
Bis(2-Chloroethyl)ether	mg/kg	<0 442	<1 69	<4 24	<7.21
bis(2-Chloroisopropyl)ether	mg/kg	<0 442	<1 69	<4 24	<7 21
bis(2-Ethylhexyl)phthalate	mg/kg	<0 442	<1 69	<4 24	<7 21
Butylbenzylphthalate	mg/kg	<0 442	<1 69	<4 24	<7 21
Chrysene	mg/kg	<0 442	<1 69	<4 24	3 99 J
Dibenzo(a,h)Anthracene	mg/kg	<0 442	<1 69	<4 24	<7.21
Dibenzofuran	mg/kg	<0 442	<1 69	<4 24	<7.21
Diethylphthalate	mg/kg	<0 442	<1.69	<4 24	<7.21
Dimethylphthalate	mg/kg	<0 442	<1 69	<4.24	<7.21
Di-N-Butylphthalate	mg/kg	<0 442	<1 69	<4 24	<7 21
Di-n-octylphthalate	mg/kg	<0 442	<1 69	<4 24	<7.21
Fluoranthene	mg/kg	<0 442	<1 69	<4 24	10.1
Fluorene	mg/kg	<0 442	<1 69	<4.24	<7.21
Hexachlorobenzene	mg/kg	<0 442	<1.69	<4 24	<7 21
Hexachlorobutadiene	mg/kg	<0 442	<1 69	<4 24	<7.21
Hexachlorocyclopentadiene	mg/kg	<0 442	<1 69	<4 24	<7 21
Hexachloroethane	mg/kg	<0 442	<1 69	<4 24	<7 21
Indeno(1,2,3-cd)pyrene	mg/kg	<0 442	<1 69	<4.24	<7.21
Isophorone	mg/kg	<0 442	<1 69	<4 24	<7.21
Naphthalene	mg/kg	<0.442	<1 69	<4 24	<7 21
Nitrobenzene	mg/kg	<0 442	<1 69	<4.24	<7 21
N-Nitroso-di-n-propylamine	mg/kg	<0 442	<1 69	<4 24	<7.21
N-Nitrosodiphenylamine	mg/kg	<0 442	<1 69	<4 24	<7 21
Pentachlorophenol	mg/kg	<4 42	<16 9	<42 4	<72.1
Phenanthrene	mg/kg	<0 442	<1 69	<4 24	6 6 J
Phenol	mg/kg	<0 402	<1 53	<3 86	<6 56
Pyrene	mg/kg	<0 937	<3 58	<9	7 04 J

Notes
< Not detected above Reporting Limit (RL)
J Concentration estimated
R Rejected

TABLE E-12
TA-3 FINAL EXCAVATION, ANALYTICAL RESULTS -SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample	TA3-WALL-9	TA3-WALL-10	TA3-FLOOR-10	TA3-FLOOR-11
	Lab ID	L09060199-20	L09060199-21	L09060378-01	L09060378-04
	Date	6/5/2009	6/5/2009	6/12/2009	6/12/2009
Semi-Volatile Organic Compounds (8270C)	Units				
1,2,4-Trichlorobenzene	mg/kg	<16 6	<16.6	<0 824	<1 75
1,2-Dichlorobenzene	mg/kg	<16 6	<16 6	<0 824	<1 75
1,3-Dichlorobenzene	mg/kg	<16 6	<16 6	<0 824	<1 75
1,4-Dichlorobenzene	mg/kg	<16 6	<16 6	<0 824	<1 75
2,4,5-Trichlorophenol	mg/kg	<7 83	<7 82	<0 389	<0 827
2,4,6-Trichlorophenol	mg/kg	<7 12	<7 11	<0 353	<0 752
2,4-Dichlorophenol	mg/kg	<7 12	<7 11	<0 353	<0 752
2,4-Dimethylphenol	mg/kg	<7 12	<7 11	<0 353	<0 752
2,4-Dinitrophenol	mg/kg	<38	<37 9	<1 88	<4 01
2,4-Dinitrotoluene	mg/kg	<7 83	<7 82	<0 389	<0 827
2,6-Dinitrotoluene	mg/kg	<7 83	<7 82	<0.389	<0 827
2-Chloronaphthalene	mg/kg	<7 83	<7 82	<0 389	<0 827
2-Chlorophenol	mg/kg	<7.12	<7 11	<0 353	<0 752
2-Methylnaphthalene	mg/kg	<7 83	<7 82	<0 389	<0 827
2-Methylphenol	mg/kg	<7 12	<7 11	<0 353	<0 752
2-Nitroaniline	mg/kg	<38	<37 9	<1 88	<4 01
2-Nitrophenol	mg/kg	<7 12	<7 11	<0 353	<0 752
3,3'-Dichlorobenzidine	mg/kg	<30 8	<30 8	<1 53	<3 26
3-,4-Methylphenol	mg/kg	<7 83	<7 82	<0 389	<0 827
3-Nitroaniline	mg/kg	<38	<37 9	<1 88	<4 01
4,6-Dinitro-2-methylphenol	mg/kg	<38	<37.9	<1 88	<4 01
4-Bromophenyl-phenylether	mg/kg	<7 83	<7 82	<0 389	<0 827
4-Chloro-3-methylphenol	mg/kg	<7 83	<7 82	<0 389	<0 827
4-Chloroaniline	mg/kg	<7 83	<7 82	<0 389	<0 827
4-Chlorophenyl-phenyl ether	mg/kg	<7 83	<7 82	<0 389	<0 827
4-Nitroaniline	mg/kg	<38	<37 9	<1 88	<4 01
4-Nitrophenol	mg/kg	<38	<37.9	<1 88	<4 01
Acenaphthene	mg/kg	4.56 J	2 16 J	<0 389	<0 827
Acenaphthylene	mg/kg	<7 83	<7 82	<0 389	<0 827
Anthracene	mg/kg	10 1	3 03 J	<0 389	<0 827
Benzo(a)anthracene	mg/kg	21 4	8 06	<0 389	0 242 J
Benzo(a)pyrene	mg/kg	18 7	7 27 J	<0 389	0 486 J
Benzo(b)fluoranthene	mg/kg	20 9	8 25	<0 389	0 548 J
Benzo(g,h,i)Perylene	mg/kg	8 45	3 37 J	<0 389	0.252 J
Benzo(k)fluoranthene	mg/kg	19 5	7 61 J	<0 389	0 497 J
Benzoic acid	mg/kg	<119J	<118J	<5 89J	<12 5J
Benzyl alcohol	mg/kg	<7 83	<7 82	<0 389	<0 827
Bis(2-Chloroethoxy)Methane	mg/kg	<7 83	<7 82	<0 389	<0 827
Bis(2-Chloroethyl)ether	mg/kg	<7 83	<7 82	<0 389	<0 827
bis(2-Chloroisopropyl)ether	mg/kg	<7 83	<7 82	<0 389	<0 827
bis(2-Ethylhexyl)phthalate	mg/kg	<7 83	<7 82	<0 389	0 225 J
Butylbenzylphthalate	mg/kg	<7 83	<7 82	<0 389	<0 827
Chrysene	mg/kg	23 5	8 97	<0 389	0 342 J
Dibenzo(a,h)Anthracene	mg/kg	<7 83	<7 82	<0 389	<0 827
Dibenzofuran	mg/kg	<7 83	<7 82	<0.389	<0 827
Diethylphthalate	mg/kg	<7 83	<7 82	<0 389	<0 827
Dimethylphthalate	mg/kg	<7 83	<7 82	<0 389	<0 827
Di-N-Butylphthalate	mg/kg	<7 83	<7 82	<0 389	<0.827
Di-n-octylphthalate	mg/kg	<7 83	<7 82	<0 389	<0 827
Fluoranthene	mg/kg	57 1	24 3	<0 389	0 604 J
Fluorene	mg/kg	5 04 J	<7 82	<0 389	<0 827
Hexachlorobenzene	mg/kg	<7 83	<7 82	<0 389	<0 827
Hexachlorobutadiene	mg/kg	<7 83	<7 82	<0 389	<0 827
Hexachlorocyclopentadiene	mg/kg	<7 83	<7 82	<0 389R	<0 827
Hexachloroethane	mg/kg	<7 83	<7 82	<0 389	<0 827
Indeno(1,2,3-cd)pyrene	mg/kg	9 24	3 61 J	<0 389	0 255 J
Isophorone	mg/kg	<7 83	<7 82	<0 389	<0 827
Naphthalene	mg/kg	<7 83	<7 82	<0 389	<0 827
Nitrobenzene	mg/kg	<7 83	<7 82	<0 389	<0 827
N-Nitroso-di-n-propylamine	mg/kg	<7 83	<7 82	<0 389	<0 827
N-Nitrosodiphenylamine	mg/kg	<7 83	<7 82	<0 389	<0 827
Pentachlorophenol	mg/kg	<78 3	<78 2	<3 89	<8 27
Phenanthrene	mg/kg	42 6	18	<0 389	0 263 J
Phenol	mg/kg	<7 12	<7 11	<0 353	<0 752
Pyrene	mg/kg	40 8	16 8	<0 824	0 463 J

Notes
<. Not detected above Reporting Limit (RL)
J Concentration estimated
R Rejected

TABLE E-12
TA-3 FINAL EXCAVATION, ANALYTICAL RESULTS -SVOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample	TA3-FLOOR-11 DUP	TA3-FLOOR-12	TA3-WALL-11
	Lab ID	L09060378-05	L09060378-06	L09060378-07
	Date	6/12/2009	6/12/2009	6/12/2009
Semi-Volatile Organic Compounds (8270C)	Units			
1,2,4-Trichlorobenzene	mg/kg	<0 843	<1.9	<1 78
1,2-Dichlorobenzene	mg/kg	<0.843	<1 9	<1 78
1,3-Dichlorobenzene	mg/kg	<0 843	<1 9	<1 78
1,4-Dichlorobenzene	mg/kg	<0 843	<1 9	<1.78
2,4,5-Trichlorophenol	mg/kg	<0 397	<0 894	<0 841
2,4,6-Trichlorophenol	mg/kg	<0 361	<0 813	<0 765
2,4-Dichlorophenol	mg/kg	<0 361	<0 813	<0.765
2,4-Dimethylphenol	mg/kg	<0 361	<0 813	<0.765
2,4-Dinitrophenol	mg/kg	<1 93	<4 34	<4.08
2,4-Dinitrotoluene	mg/kg	<0 397	<0 894	<0 841
2,6-Dinitrotoluene	mg/kg	<0 397	<0 894	<0.841
2-Chloronaphthalene	mg/kg	<0 397	<0 894	<0 841
2-Chlorophenol	mg/kg	<0 361	<0 813	<0.765
2-Methylnaphthalene	mg/kg	<0 397	<0.894	<0.841
2-Methylphenol	mg/kg	<0 361	<0.813	<0.765
2-Nitroaniline	mg/kg	<1 93	<4 34	<4.08
2-Nitrophenol	mg/kg	<0 361	<0 813	<0.765
3,3'-Dichlorobenzidine	mg/kg	<1 56	<3 52	<3 31
3-,4-Methylphenol	mg/kg	<0.397	<0 894	<0 841
3-Nitroaniline	mg/kg	<1 93	<4 34	<4 08
4,6-Dinitro-2-methylphenol	mg/kg	<1 93	<4 34	<4.08
4-Bromophenyl-phenylether	mg/kg	<0 397	<0 894	<0 841
4-Chloro-3-methylphenol	mg/kg	<0 397	<0 894	<0 841
4-Chloroaniline	mg/kg	<0.397	<0 894	<0 841
4-Chlorophenyl-phenyl ether	mg/kg	<0 397	<0 894	<0 841
4-Nitroaniline	mg/kg	<1 93	<4 34	<4 08
4-Nitrophenol	mg/kg	<1 93	<4 34	<4 08
Acenaphthene	mg/kg	<0 397	<0 894	0 512 J
Acenaphthylene	mg/kg	<0 397	<0 894	<0 841
Anthracene	mg/kg	<0 397	<0 894	0 44 J
Benzo(a)anthracene	mg/kg	<0.397	<0.894	0 823 J
Benzo(a)pyrene	mg/kg	0.118 J	<0.894	0 775 J
Benzo(b)fluoranthene	mg/kg	0 127 J	<0 894	0 87
Benzo(g,h,i)Perylene	mg/kg	<0 397	<0 894	0 317 J
Benzo(k)fluoranthene	mg/kg	0 113 J	<0 894	0 862
Benzoic acid	mg/kg	<6 02J	<13 5J	<12 7J
Benzyl alcohol	mg/kg	<0 397	<0 894	<0 841
Bis(2-Chloroethoxy)Methane	mg/kg	<0 397	<0 894	<0 841
Bis(2-Chloroethyl)ether	mg/kg	<0.397	<0 894	<0.841
bis(2-Chloroisopropyl)ether	mg/kg	<0 397	<0 894	<0 841
bis(2-Ethylhexyl)phthalate	mg/kg	<0 397	<0 894	<0 841
Butylbenzylphthalate	mg/kg	<0 397	<0 894	27 2
Chrysene	mg/kg	0 113 J	<0 894	0 906
Dibenzo(a,h)Anthracene	mg/kg	<0 397	<0 894	<0 841
Dibenzofuran	mg/kg	<0 397	<0 894	<0 841
Diethylphthalate	mg/kg	<0 397	<0 894	<0.841
Dimethylphthalate	mg/kg	<0 397	<0 894	<0 841
Di-N-Butylphthalate	mg/kg	<0.397	<0 894	<0 841
Di-n-octylphthalate	mg/kg	<0 397	<0 894	<0 841
Fluoranthene	mg/kg	0 265 J	<0 894	2 43
Fluorene	mg/kg	<0 397	<0 894	0 34 J
Hexachlorobenzene	mg/kg	<0 397	<0 894	<0 841
Hexachlorobutadiene	mg/kg	<0 397	<0 894	<0 841
Hexachlorocyclopentadiene	mg/kg	<0.397	<0 894	<0 841
Hexachloroethane	mg/kg	<0 397	<0 894	<0 841
Indeno(1,2,3-cd)pyrene	mg/kg	<0 397	<0 894	0 326 J
Isophorone	mg/kg	<0 397	<0 894	<0 841
Naphthalene	mg/kg	<0 397	<0 894	0 275 J
Nitrobenzene	mg/kg	<0 397	<0 894	<0.841
N-Nitroso-di-n-propylamine	mg/kg	<0 397	<0 894	<0 841
N-Nitrosodiphenylamine	mg/kg	<0 397	<0 894	<0 841
Pentachlorophenol	mg/kg	<3 97	<8 94	<8 41
Phenanthrene	mg/kg	0 159 J	<0 894	2 28
Phenol	mg/kg	<0 361	<0 813	<0 765
Pyrene	mg/kg	0.193 J	<1 9	1 64 J

Notes
<: Not detected above Reporting Limit (RL)
J Concentration estimated
R Rejected

TABLE E-13
BASELINE GROUNDWATER SAMPLE, QA ANALYTICAL RESULTS, VOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Method	Sample ID / Lab ID / Date / Units	TB-1-SARA-GW01 D7E150213008 5/14/2007	TB-2-SARA-GW01 D7E150213014 5/15/2007	TB-5-SARA-GW01 D7E170164010 5/16/2007	TB-4-SARA-GW01 D7E170164021 5/17/2007	TB3-SARA-GW01 D7E190143004 5/18/2007	TB6-SARA-GW01 D7E220172003 5/21/2007
1,1,1,2-Tetrachloroethane	8260B	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
1,1,1-Trichloroethane	8260B	ug/L	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	8260B	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
1,1,2-Trichloroethane	8260B	ug/L	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	8260B	ug/L	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	8260B	ug/L	<1	<1	<1	<1	<1	<1
1,1-Dichloropropene	8260B	ug/L	<1	<1	<1	<1	<1	<1
1,2,3-Trichlorobenzene	8260B	ug/L	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	8260B	ug/L	<1	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	8260B	ug/L	<1	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene	8260B	ug/L	<1	<1	<1	<1	<1	<1
(DBCP)	8260B	ug/L	<2	<2	<2	<2	<2	<2
1,2-Dibromoethane (EDB)	8260B	ug/L	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	8260B	ug/L	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	8260B	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
1,2-Dichloropropane	8260B	ug/L	<1	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene	8260B	ug/L	<1	<1	<1	<1	<1	<1
1,3-Dichlorobenzene	8260B	ug/L	<1	<1	<1	<1	<1	<1
1,3-Dichloropropane	8260B	ug/L	<0 4	<0 4	<0 4	<0 4	<0 4	<0 4
1,4-Dichlorobenzene	8260B	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
1-Chlorohexane	8260B	ug/L	<1	<1	<1	<1	<1	<1
2,2-Dichloropropane	8260B	ug/L	<1	<1	<1	<1	<1	<1
2-Butanone (MEK)	8260B	ug/L	<10	<10	<10	<10	<10	<10
2-Chlorotoluene	8260B	ug/L	<1	<1	<1	<1	<1	<1
4-Chlorotoluene	8260B	ug/L	<1	<1	<1	<1	<1	<1
Acetone	8260B	ug/L	<10	<10	<10	<10	<10	<10
Benzene	8260B	ug/L	0 19	<0 4	<0 4	<0 4	<0 4	<0 4
Bromobenzene	8260B	ug/L	<1	<1	<1	<1	<1	<1
Bromochloromethane	8260B	ug/L	<1	<1	<1	<1	<1	<1
Bromodichloromethane	8260B	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
Bromoform	8260B	ug/L	<1	<1	<1	<1	<1	<1
Bromomethane	8260B	ug/L	<3	<3	<3	<3	<3	<3
Carbon tetrachloride	8260B	ug/L	<1	<1	<1	<1	<1	<1
Chlorobenzene	8260B	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
Chloroethane	8260B	ug/L	<1	<1	<1	<1	<1	<1
Chloroform	8260B	ug/L	<0 3	<0 3	<0 3	<0 3	<0 3	<0 3
Chloromethane	8260B	ug/L	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	8260B	ug/L	<1	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	8260B	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
Dibromochloromethane	8260B	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
Dibromomethane	8260B	ug/L	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	8260B	ug/L	<1	<1	<1	<1	<1	<1
Ethylbenzene	8260B	ug/L	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene	8260B	ug/L	<0 6	<0 6	<0 6	<0 6	<0 6	<0 6
Isopropylbenzene	8260B	ug/L	<1	<1	<1	<1	<1	<1
Methyl isobutyl ketone (MIBK)	8260B	ug/L	<10	<10	<10	<10	<10	<10
Methyl tert-butyl ether	8260B	ug/L	<5	<5	<5	<5	<5	<5
Methylene chloride	8260B	ug/L	<2	<2	0 4	<2	0 75 J	1
m-Xylene & p-Xylene	8260B	ug/L	<2	<2	<2	<2	<2	<2
Naphthalene	8260B	ug/L	<1	<1	<1	<1	<1	<1
n-Butylbenzene	8260B	ug/L	<1	<1	<1	<1	<1	<1
n-Propylbenzene	8260B	ug/L	<1	<1	<1	<1	<1	<1
o-Xylene	8260B	ug/L	<1	<1	<1	<1	<1	<1
p-Isopropyltoluene	8260B	ug/L	<1	<1	<1	<1	<1	<1
sec-Butylbenzene	8260B	ug/L	<1	<1	<1	<1	<1	<1
Styrene	8260B	ug/L	<1	<1	<1	<1	<1	<1
tert-Butylbenzene	8260B	ug/L	<1	<1	<1	<1	<1	<1
Tetrachloroethene	8260B	ug/L	<1	<1	<1	<1	<1	<1
Toluene	8260B	ug/L	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	8260B	ug/L	<1	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	8260B	ug/L	<1	<1	<1	<1	<1	<1
Trichloroethene	8260B	ug/L	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	8260B	ug/L	<1	<1	<1	<1	<1	<1
Vinyl chloride	8260B	ug/L	<1	<1	<1	<1	<1	<1

Notes
< Not detected above Reporting Limit (RL)
J Estimated Result

TABLE E-13
BASELINE GROUNDWATER, ANALYTICAL RESULTS, VOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Sample ID	MW-03-SARA	MW-06-SARA	MW-07-SARA	MW-11-SARA	MW-15-SARA	MW-57-SARA	MW68-SARA	MW-73-SARA
	Lab ID	D7E150213005	D7E170164009	D7E150213006	D7E150213015	D7E150213010	D7E150213012	D7E170164014	D7E170164004
	Date	5/14/2007	5/16/2007	5/14/2007	5/15/2007	5/15/2007	5/15/2007	5/17/2007	5/16/2007
	Units								
1,1,1,2-Tetrachloroethane	ug/L	<0 5	<0 5	<0 5	<0 5	0 35 F	<0 5	<0 5	<100
1,1,1-Trichloroethane	ug/L	<1	<1	0 65 F	<1	<1	<1	<1	<200
1,1,2,2-Tetrachloroethane	ug/L	67	41	<0 5	4 1	78	<0 5	5 5	37000
1,1,2-Trichloroethane	ug/L	1 5	3 9	<1	<1	3 7	<1	<1	60 F
1,1-Dichloroethane	ug/L	<1	<1	1 2	<1	<1	<1	<1	<200
1,1-Dichloroethene	ug/L	1 3	<1	20	<1	<1	<1	<1	<200
1,1-Dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
1,2,3-Trichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	47 F
1,2,3-Trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
1,2,4-Trichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
1,2,4-Trimethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	<2	<2	<2	<2	<2	<2	<2	<400
1,2-Dibromoethane (EDB)	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
1,2-Dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
1,2-Dichloroethane	ug/L	<0 5	0 52	0 33 F	<0 5	4 4	<0 5	<0 5	<100
1,2-Dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
1,3,5-Trimethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
1,3-Dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
1,3-Dichloropropane	ug/L	<0 4	<0 4	<0 4	<0 4	<0 4	<0 4	<0 4	<80
1,4-Dichlorobenzene	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<100
1-Chlorohexane	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
2,2-Dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
2-Butanone (MEK)	ug/L	<10	<10	<10	<10	<10	<10	<10	<2000
2-Chlorotoluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
4-Chlorotoluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10	<2000
Benzene	ug/L	<0 4	<0 4	<0 4	<0 4	<0 4	<0 4	<0 4	<80
Bromobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
Bromodichloromethane	ug/L	<0 5	<0 5	<0 5	<0 5	0 6	<0 5	<0 5	<100
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
Bromomethane	ug/L	<3	<3	<3	<3	<3	<3	<3	<600
Carbon tetrachloride	ug/L	0 82 F	16	<1	<1	31	28	<1	<200
Chlorobenzene	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<100
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
Chloroform	ug/L	12	6 2	0 55	0 83	810	5 8	0 43	<60
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
cis-1,2-Dichloroethene	ug/L	59	200	0 26 F	19	27	0 33 F	4 2	1200
cis-1,3-Dichloropropene	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<100
Dibromochloromethane	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<100
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
Dichlorodifluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
Hexachlorobutadiene	ug/L	<0 6	<0 6	<0 6	<0 6	<0 6	<0 6	<0 6	<120
Isopropylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
Methyl isobutyl ketone (MIBK)	ug/L	<10	<10	<10	<10	<10	<10	<10	<2000
Methyl tert-butyl ether	ug/L	<5	<5	<5	<5	<5	<5	<5	<1000
Methylene chloride	ug/L	<2	<2	<2	<2	<2	<2	<2	<400
m-Xylene & p-Xylene	ug/L	<2	<2	<2	<2	<2	<2	<2	<400
Naphthalene	ug/L	<1	<1	<1	<1	<1	<1	<1	62 F
n-Butylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
n-Propylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
o-Xylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
p-Isopropyltoluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
sec-Butylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
tert-Butylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
Tetrachloroethene	ug/L	1 8	1 4	47	5 8	14	4 3	0 69 F	<200
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
trans-1,2-Dichloroethene	ug/L	12	11	<1	5 9	5 8	0 58 F	1 3	180 F
trans-1,3-Dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
Trichloroethene	ug/L	87	120	25	56	330	29	14	4100
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<200
Vinyl chloride	ug/L	<1	0 68 F	<1	0 35 F	<1	<1	<1	<200

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
B Blank contamination

TABLE E-13
BASELINE GROUNDWATER, ANALYTICAL RESULTS, VOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Sample ID	MW-73 DUP	MW74-SARA	MW131-SARA	MW132-SARA	MW133-SARA	MW134-SARA	MW172-SARA	MW173-SARA
	Lab ID	D7E170164011	D7E170164018	D7E170164016	D7E170164017	D7E170164012	D7E170164019	D7E150213011	D7E150213001
	Date	5/16/2007	5/17/2007	5/17/2007	5/17/2007	5/17/2007	5/17/2007	5/15/2007	5/14/2007
	Units								
1,1,1,2-Tetrachloroethane	ug/L	<100	<0 5	<1	<2	<0 5	<0 5	<0 5	<1
1,1,1-Trichloroethane	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
1,1,2,2-Tetrachloroethane	ug/L	43000	60	110	2400	110	240	<0 5	13
1,1,2-Trichloroethane	ug/L	85 F	<1	<2	<4	0 42 F	<1	<1	1 7 F
1,1-Dichloroethane	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
1,1-Dichloroethene	ug/L	<200	<1	<2	1 8 F	<1	<1	<1	<2
1,1-Dichloropropene	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
1,2,3-Trichlorobenzene	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
1,2,3-Trichloropropane	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
1,2,4-Trichlorobenzene	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
1,2,4-Trimethylbenzene	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	<400	<2	<4	<8	<2	<2	<2	<4
1,2-Dibromoethane (EDB)	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
1,2-Dichlorobenzene	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
1,2-Dichloroethane	ug/L	<100	<0 5	<1	<2	<0 5	<0 5	0 21 F	4 7
1,2-Dichloropropane	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
1,3,5-Trimethylbenzene	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
1,3-Dichlorobenzene	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
1,3-Dichloropropane	ug/L	<80	<0 4	<0 8	<1 6	<0 4	<0 4	<0 4	<0 8
1,4-Dichlorobenzene	ug/L	<100	<0 5	<1	<2	<0 5	<0 5	<0 5	<1
1-Chlorohexane	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
2,2-Dichloropropane	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
2-Butanone (MEK)	ug/L	<2000	<10	<20	<40	<10	<10	<10	<20
2-Chlorotoluene	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
4-Chlorotoluene	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
Acetone	ug/L	<2000	<10	<20	<40	<10	<10	<10	<20
Benzene	ug/L	<80	<0 4	<0 8	<1 6	<0 4	<0 4	<0 4	<0 8
Bromobenzene	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
Bromochloromethane	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
Bromodichloromethane	ug/L	<100	<0 5	<1	<2	<0 5	<0 5	<0 5	<1
Bromoform	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
Bromomethane	ug/L	<600	<3	<6	<12	<3	<3	<3	<6
Carbon tetrachloride	ug/L	<200	<1	<2	<4	<1	<1	1 5	49
Chlorobenzene	ug/L	<100	<0 5	<1	<2	<0 5	<0 5	<0 5	<1
Chloroethane	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
Chloroform	ug/L	<60	0 2 F	0 52 F	<1 2	0 24 F	0 29 F	13	820
Chloromethane	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
cis-1,2-Dichloroethene	ug/L	1100	2 3	8 9	92	5 6	7 1	<1	45
cis-1,3-Dichloropropene	ug/L	<100	<0 5	<1	<2	<0 5	<0 5	<0 5	<1
Dibromochloromethane	ug/L	<100	<0 5	<1	<2	<0 5	<0 5	<0 5	<1
Dibromomethane	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
Dichlorodifluoromethane	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
Ethylbenzene	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
Hexachlorobutadiene	ug/L	<120	<0 6	<1 2	<2 4	<0 6	<0 6	<0 6	<1 2
Isopropylbenzene	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
Methyl isobutyl ketone (MIBK)	ug/L	<2000	<10	<20	<40	<10	<10	<10	<20
Methyl tert-butyl ether	ug/L	<1000	<5	<10	<20	<5	<5	<5	<10
Methylene chloride	ug/L	<400	<2	<4	1 8 F	<2	<2	<2	<4
m-Xylene & p-Xylene	ug/L	<400	<2	<4	<8	<2	<2	<2	<4
Naphthalene	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
n-Butylbenzene	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
n-Propylbenzene	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
o-Xylene	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
p-Isopropyltoluene	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
sec-Butylbenzene	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
Styrene	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
tert-Butylbenzene	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
Tetrachloroethene	ug/L	<200	1 1	4 8	8 3	3 5	3 1	0 59 F	23
Toluene	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
trans-1,2-Dichloroethene	ug/L	170 F	0 3 F	2 9	6 4	1 6	1 8	<1	11
trans-1,3-Dichloropropene	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
Trichloroethene	ug/L	4000	77 J	560	870	350	150	7	390
Trichlorofluoromethane	ug/L	<200	<1	<2	<4	<1	<1	<1	<2
Vinyl chloride	ug/L	<200	<1	<2	10	<1	<1	<1	<2

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
B Blank contamination

TABLE E-13
BASELINE GROUNDWATER, ANALYTICAL RESULTS, VOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Sample ID	MW174-SARA	MW-175-SARA	MW-177-SARA	MW178-SARA	MW179-SARA	MW180 SARA GW01	MW181 SARA GW01
	Lab ID	D7E150213002	D7E150213009	D7E170164006	D7E170164015	D7E170164013	D7E220172001	D7E190143003
	Date	5/14/2007	5/15/2007	5/16/2007	5/17/2007	5/17/2007	5/21/2007	5/18/2007
	Units							
1,1,1,2-Tetrachloroethane	ug/L	<0 5	<0 5	0 8 F	<0 5	<0 5	<0 5	<0 5
1,1,1-Trichloroethane	ug/L	<1	<1	<2	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ug/L	0 37 F	<0 5	370	<0 5	<0 5	21	0 67
1,1,2-Trichloroethane	ug/L	<1	<1	27	<1	<1	<1	<1
1,1-Dichloroethane	ug/L	<1	<1	<2	<1	<1	<1	0 2 F
1,1-Dichloroethene	ug/L	<1	<1	0 3 F	<1	<1	<1	3 8
1,1-Dichloropropene	ug/L	<1	<1	<2	<1	<1	<1	<1
1,2,3-Trichlorobenzene	ug/L	<1	<1	<2	<1	<1	<1	<1
1,2,3-Trichloropropane	ug/L	<1	<1	<2	<1	<1	<1	<1
1,2,4-Trichlorobenzene	ug/L	<1	<1	<2	<1	<1	<1	<1
1,2,4-Trimethylbenzene	ug/L	<1	<1	<2	<1	<1	<1	<1
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	<2	<2	<4	<2	<2	<2	<2
1,2-Dibromoethane (EDB)	ug/L	<1	<1	<2	<1	<1	<1	<1
1,2-Dichlorobenzene	ug/L	<1	<1	<2	<1	<1	<1	<1
1,2-Dichloroethane	ug/L	<0 5	<0 5	0 89 F	<0 5	<0 5	<0 5	<0 5
1,2-Dichloropropane	ug/L	<1	<1	<2	<1	<1	<1	<1
1,3,5-Trimethylbenzene	ug/L	<1	<1	<2	<1	<1	<1	<1
1,3-Dichlorobenzene	ug/L	<1	<1	<2	<1	<1	<1	<1
1,3-Dichloropropane	ug/L	<0 4	<0 4	<0 8	<0 4	<0 4	<0 4	<0 4
1,4-Dichlorobenzene	ug/L	<0 5	<0 5	<1	<0 5	<0 5	<0 5	<0 5
1-Chlorohexane	ug/L	<1	<1	<2	<1	<1	<1	<1
2,2-Dichloropropane	ug/L	<1	<1	<2	<1	<1	<1	<1
2-Butanone (MEK)	ug/L	<10	<10	<20	<10	<10	<10	<10
2-Chlorotoluene	ug/L	<1	<1	<2	<1	<1	<1	<1
4-Chlorotoluene	ug/L	<1	<1	<2	<1	<1	<1	<1
Acetone	ug/L	<10	<10	<20	<10	<10	<10	<10
Benzene	ug/L	<0 4	<0 4	<0 8	<0 4	<0 4	<0 4	<0 4
Bromobenzene	ug/L	<1	<1	<2	<1	<1	<1	<1
Bromochloromethane	ug/L	<1	<1	<2	<1	<1	<1	<1
Bromodichloromethane	ug/L	<0 5	<0 5	<1	<0 5	<0 5	<0 5	<0 5
Bromoform	ug/L	<1	<1	<2	<1	<1	<1	<1
Bromomethane	ug/L	<3	<3	<6	<3	<3	<3	<3
Carbon tetrachloride	ug/L	5 9	<1	2 7	<1	<1	0 26 F	1 2
Chlorobenzene	ug/L	<0 5	<0 5	<1	<0 5	<0 5	<0 5	<0 5
Chloroethane	ug/L	<1	<1	<2	<1	<1	<1	<1
Chloroform	ug/L	68	0 48	7 3	0 21 F	<0 3	1 6	22
Chloromethane	ug/L	<1	<1	<2	<1	<1	<1	<1
cis-1,2-Dichloroethene	ug/L	0 63 F	<1	77	1 7	<1	23	32
cis-1,3-Dichloropropene	ug/L	<0 5	<0 5	<1	<0 5	<0 5	<0 5	<0 5
Dibromochloromethane	ug/L	<0 5	<0 5	<1	<0 5	<0 5	<0 5	<0 5
Dibromomethane	ug/L	<1	<1	<2	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L	<1	<1	<2	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<2	<1	<1	<1	<1
Hexachlorobutadiene	ug/L	<0 6	<0 6	<1 2	<0 6	<0 6	<0 6	<0 6
Isopropylbenzene	ug/L	<1	<1	<2	<1	<1	<1	<1
Methyl isobutyl ketone (MIBK)	ug/L	<10	<10	<20	<10	<10	<10	<10
Methyl tert-butyl ether	ug/L	<5	<5	<10	<5	<5	<5	<5
Methylene chloride	ug/L	<2	<2	0 75 F B	<2	<2	0 39 F	0 62 F
m-Xylene & p-Xylene	ug/L	<2	<2	<4	<2	<2	<2	<2
Naphthalene	ug/L	<1	<1	<2	<1	<1	<1	<1
n-Butylbenzene	ug/L	<1	<1	<2	<1	<1	<1	<1
n-Propylbenzene	ug/L	<1	<1	<2	<1	<1	<1	<1
o-Xylene	ug/L	<1	<1	<2	<1	<1	<1	<1
p-Isopropyltoluene	ug/L	<1	<1	<2	<1	<1	<1	<1
sec-Butylbenzene	ug/L	<1	<1	<2	<1	<1	<1	<1
Styrene	ug/L	<1	<1	<2	<1	<1	<1	<1
tert-Butylbenzene	ug/L	<1	<1	<2	<1	<1	<1	<1
Tetrachloroethene	ug/L	1 9	0 3 F	29	2 8	1 1	2 8	5 6
Toluene	ug/L	<1	<1	<2	<1	<1	<1	<1
trans-1,2-Dichloroethene	ug/L	0 28 F	<1	19	0 95 F	<1	9 6	15
trans-1,3-Dichloropropene	ug/L	<1	<1	<2	<1	<1	<1	<1
Trichloroethene	ug/L	33	0 39 F	3500	130	1 8	78	110
Trichlorofluoromethane	ug/L	<1	<1	<2	<1	<1	<1	<1
Vinyl chloride	ug/L	<1	<1	<2	<1	<1	<1	<1

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
B Blank contamination

TABLE E-13
BASELINE GROUNDWATER, ANALYTICAL RESULTS, VOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Sample ID	MW-187-SARA	MW-188-SARA	MW220 SARA GW01	MW-220 DUP	MW221 SARA GW01	MW-222-SARA	MW-223-SARA
	Lab ID	D7E170164008	D7E170164007	D7E190143001	D7E190143002	D7E220172002	D7E170164003	D7E170164005
	Date	5/16/2007	5/16/2007	5/18/2007	5/18/2007	5/21/2007	5/16/2007	5/16/2007
	Units							
1,1,1,2-Tetrachloroethane	ug/L	<0 5	<1	<0 5	<0 5	<0 5	<2 5	<1
1,1,1-Trichloroethane	ug/L	<1	<2	0 44 F	0 43 F	<1	<5	<2
1,1,2,2-Tetrachloroethane	ug/L	<0 5	31	780	480	110	340	14
1,1,2-Trichloroethane	ug/L	<1	3 6	9 3	7 9	1 9	<5	3 1
1,1-Dichloroethane	ug/L	<1	<2	0 8 F	0 75 F	<1	<5	<2
1,1-Dichloroethene	ug/L	<1	<2	18	17	<1	<5	<2
1,1-Dichloropropene	ug/L	<1	<2	<1	<1	<1	<5	<2
1,2,3-Trichlorobenzene	ug/L	<1	<2	<1	<1	<1	<5	<2
1,2,3-Trichloropropane	ug/L	<1	<2	<1	<1	<1	<5	<2
1,2,4-Trichlorobenzene	ug/L	<1	<2	<1	<1	<1	<5	<2
1,2,4-Trimethylbenzene	ug/L	<1	<2	<1	<1	<1	<5	<2
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	<2	<4	<2	<2	<2	<10	<4
1,2-Dibromoethane (EDB)	ug/L	<1	<2	<1	<1	<1	<5	<2
1,2-Dichlorobenzene	ug/L	<1	<2	<1	<1	<1	<5	<2
1,2-Dichloroethane	ug/L	<0 5	<1	0 69	0 6	<0 5	<2 5	<1
1,2-Dichloropropane	ug/L	<1	<2	<1	<1	<1	<5	<2
1,3,5-Trimethylbenzene	ug/L	<1	<2	<1	<1	<1	<5	<2
1,3-Dichlorobenzene	ug/L	<1	<2	<1	<1	<1	<5	<2
1,3-Dichloropropane	ug/L	<0 4	<0 8	<0 4	<0 4	<0 4	<2	<0 8
1,4-Dichlorobenzene	ug/L	<0 5	<1	<0 5	<0 5	<0 5	<2 5	<1
1-Chlorohexane	ug/L	<1	<2	<1	<1	<1	<5	<2
2,2-Dichloropropane	ug/L	<1	<2	<1	<1	<1	<5	<2
2-Butanone (MEK)	ug/L	<10	<20	<10	<10	<10	<50	<20
2-Chlorotoluene	ug/L	<1	<2	<1	<1	<1	<5	<2
4-Chlorotoluene	ug/L	<1	<2	<1	<1	<1	<5	<2
Acetone	ug/L	<10	<20	<10	<10	<10	<50	<20
Benzene	ug/L	<0 4	<0 8	<0 4	<0 4	<0 4	<2	<0 8
Bromobenzene	ug/L	<1	<2	<1	<1	<1	<5	<2
Bromochloromethane	ug/L	<1	<2	<1	<1	<1	<5	<2
Bromodichloromethane	ug/L	<0 5	<1	<0 5	<0 5	<0 5	<2 5	<1
Bromoform	ug/L	<1	<2	<1	<1	<1	<5	<2
Bromomethane	ug/L	<3	<6	<3	<3	<3	<15	<6
Carbon tetrachloride	ug/L	0 8 F	0 45 F	<1	<1	<1	<5	0 39 F
Chlorobenzene	ug/L	<0 5	<1	<0 5	<0 5	<0 5	<2 5	<1
Chloroethane	ug/L	<1	<2	<1	<1	<1	<5	<2
Chloroform	ug/L	0 29 F	1 1	2 5	1 9	1 4	<1 5	0 95
Chloromethane	ug/L	<1	<2	<1	<1	<1	<5	<2
cis-1,2-Dichloroethene	ug/L	0 4 F	12	420	270	52	150	15
cis-1,3-Dichloropropene	ug/L	<0 5	<1	<0 5	<0 5	<0 5	<2 5	<1
Dibromochloromethane	ug/L	<0 5	<1	<0 5	<0 5	<0 5	<2 5	<1
Dibromomethane	ug/L	<1	<2	<1	<1	<1	<5	<2
Dichlorodifluoromethane	ug/L	<1	<2	<1	<1	<1	<5	<2
Ethylbenzene	ug/L	<1	<2	<1	<1	<1	<5	<2
Hexachlorobutadiene	ug/L	<0 6	<1 2	<0 6	<0 6	<0 6	<3	<1 2
Isopropylbenzene	ug/L	<1	<2	<1	<1	<1	<5	<2
Methyl isobutyl ketone (MIBK)	ug/L	<10	<20	<10	<10	<10	<50	<20
Methyl tert-butyl ether	ug/L	<5	<10	<5	<5	<5	<25	<10
Methylene chloride	ug/L	<2	0 71 F B	0 68 F	0 68 F	0 36 F	1 9 F B	0 72 F B
m-Xylene & p-Xylene	ug/L	<2	<4	<2	<2	<2	<10	<4
Naphthalene	ug/L	<1	<2	<1	<1	<1	<5	<2
n-Butylbenzene	ug/L	<1	<2	<1	<1	<1	<5	<2
n-Propylbenzene	ug/L	<1	<2	<1	<1	<1	<5	<2
o-Xylene	ug/L	<1	<2	<1	<1	<1	<5	<2
p-Isopropyltoluene	ug/L	<1	<2	<1	<1	<1	<5	<2
sec-Butylbenzene	ug/L	<1	<2	<1	<1	<1	<5	<2
Styrene	ug/L	<1	<2	<1	<1	<1	<5	<2
tert-Butylbenzene	ug/L	<1	<2	<1	<1	<1	<5	<2
Tetrachloroethene	ug/L	0 36 F	6 1	16	17	6 9	5 7	3 7
Toluene	ug/L	<1	<2	0 21 F	0 2 F	<1	<5	0 45 F
trans-1,2-Dichloroethene	ug/L	<1	3 3	76	47	10	66	3 7
trans-1,3-Dichloropropene	ug/L	<1	<2	<1	<1	<1	<5	<2
Trichloroethene	ug/L	3 7	580	530	350	140	1100	500
Trichlorofluoromethane	ug/L	<1	<2	<1	<1	<1	<5	<2
Vinyl chloride	ug/L	<1	<2	0 63 F	0 5 F	<1	<5	<2

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
B Blank contamination

TABLE E-13
BASELINE GROUNDWATER, ANALYTICAL RESULTS, VOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Sample ID	MW-224-SARA	MW-224 DUP	MW-225-SARA	MW-226-SARA	MW227-SARA	MW-227 DUP	MW228-SARA
	Lab ID	D7E170164001	D7E170164002	D7E150213016	D7E150213017	D7E150213003	D7E150213004	D7E150213007
	Date	5/16/2007	5/16/2007	5/15/2007	5/15/2007	5/14/2007	5/14/2007	5/14/2007
	Units							
1,1,1,2-Tetrachloroethane	ug/L	<0 5	<0 5	<0 5	<1	0 54	0 55	<0 5
1,1,1-Trichloroethane	ug/L	<1	<1	<1	<2	<1	<1	<1
1,1,2,2-Tetrachloroethane	ug/L	140	190	15	220	120	130	46
1,1,2-Trichloroethane	ug/L	<1	0 47 F	0 62 F	1 4 F	6 1	5 7	0 99 F
1,1-Dichloroethane	ug/L	<1	<1	<1	<2	<1	<1	<1
1,1-Dichloroethene	ug/L	<1	<1	<1	<2	<1	<1	<1
1,1-Dichloropropene	ug/L	<1	<1	<1	<2	<1	<1	<1
1,2,3-Trichlorobenzene	ug/L	<1	<1	<1	<2	<1	<1	<1
1,2,3-Trichloropropane	ug/L	<1	<1	<1	<2	<1	<1	<1
1,2,4-Trichlorobenzene	ug/L	<1	<1	<1	<2	<1	<1	<1
1,2,4-Trimethylbenzene	ug/L	<1	<1	<1	<2	<1	<1	<1
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	<2	<2	<2	<4	<2	<2	<2
1,2-Dibromoethane (EDB)	ug/L	<1	<1	<1	<2	<1	<1	<1
1,2-Dichlorobenzene	ug/L	<1	<1	<1	<2	<1	<1	<1
1,2-Dichloroethane	ug/L	<0 5	<0 5	<0 5	<1	4 4	4 2	<0 5
1,2-Dichloropropane	ug/L	<1	<1	<1	<2	<1	<1	<1
1,3,5-Trimethylbenzene	ug/L	<1	<1	<1	<2	<1	<1	<1
1,3-Dichlorobenzene	ug/L	<1	<1	<1	<2	<1	<1	<1
1,3-Dichloropropane	ug/L	<0 4	<0 4	<0 4	<0 8	<0 4	<0 4	<0 4
1,4-Dichlorobenzene	ug/L	<0 5	<0 5	<0 5	<1	<0 5	<0 5	<0 5
1-Chlorohexane	ug/L	<1	<1	<1	<2	<1	<1	<1
2,2-Dichloropropane	ug/L	<1	<1	<1	<2	<1	<1	<1
2-Butanone (MEK)	ug/L	<10	<10	<10	<20	<10	<10	<10
2-Chlorotoluene	ug/L	<1	<1	<1	<2	<1	<1	<1
4-Chlorotoluene	ug/L	<1	<1	<1	<2	<1	<1	<1
Acetone	ug/L	<10	<10	<10	<20	<10	<10	<10
Benzene	ug/L	<0 4	<0 4	<0 4	<0 8	<0 4	<0 4	0 38 F
Bromobenzene	ug/L	<1	<1	<1	<2	<1	<1	<1
Bromochloromethane	ug/L	<1	<1	<1	<2	<1	<1	<1
Bromodichloromethane	ug/L	<0 5	<0 5	<0 5	<1	0 9	0 82	<0 5
Bromoform	ug/L	<1	<1	<1	<2	<1	<1	<1
Bromomethane	ug/L	<3	<3	<3	<6	<3	<3	<3
Carbon tetrachloride	ug/L	<1	<1	<1	<2	43	41	3 4
Chlorobenzene	ug/L	<0 5	<0 5	<0 5	<1	<0 5	<0 5	<0 5
Chloroethane	ug/L	<1	<1	<1	<2	<1	<1	<1
Chloroform	ug/L	0 18 F	0 15 F	0 78	0 72	1100	1100	120
Chloromethane	ug/L	0 33 F	0 37 F	<1	<2	<1	<1	<1
cis-1,2-Dichloroethene	ug/L	4 8	5 6	8 6	19	40	38	1 6
cis-1,3-Dichloropropene	ug/L	<0 5	<0 5	<0 5	<1	<0 5	<0 5	<0 5
Dibromochloromethane	ug/L	<0 5	<0 5	<0 5	<1	<0 5	<0 5	<0 5
Dibromomethane	ug/L	<1	<1	<1	<2	<1	<1	<1
Dichlorodifluoromethane	ug/L	<1	<1	<1	<2	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<2	<1	<1	<1
Hexachlorobutadiene	ug/L	<0 6	<0 6	<0 6	<1 2	<0 6	<0 6	<0 6
Isopropylbenzene	ug/L	<1	<1	<1	<2	<1	<1	<1
Methyl isobutyl ketone (MIBK)	ug/L	<10	<10	<10	<20	<10	<10	<10
Methyl tert-butyl ether	ug/L	<5	<5	<5	<10	0 92 F	<5	<5
Methylene chloride	ug/L	0 31 F B	<2	<2	<4	<2	<2	0 71 F
m-Xylene & p-Xylene	ug/L	<2	<2	<2	<4	<2	<2	<2
Naphthalene	ug/L	<1	<1	<1	<2	<1	<1	<1
n-Butylbenzene	ug/L	<1	<1	<1	<2	<1	<1	<1
n-Propylbenzene	ug/L	<1	<1	<1	<2	<1	<1	<1
o-Xylene	ug/L	<1	<1	<1	<2	<1	<1	<1
p-Isopropyltoluene	ug/L	<1	<1	<1	<2	<1	<1	<1
sec-Butylbenzene	ug/L	<1	<1	<1	<2	<1	<1	<1
Styrene	ug/L	<1	<1	<1	<2	<1	<1	<1
tert-Butylbenzene	ug/L	<1	<1	<1	<2	<1	<1	<1
Tetrachloroethene	ug/L	1 7	1 6	2 3	7 1	22	21	1 8
Toluene	ug/L	<1	<1	0 61 F	<2	<1	<1	<1
trans-1,2-Dichloroethene	ug/L	1	1 1	2 2	4 5	8 5	8	0 38 F
trans-1,3-Dichloropropene	ug/L	<1	<1	<1	<2	<1	<1	<1
Trichloroethene	ug/L	92	92	320	740	420	440	42
Trichlorofluoromethane	ug/L	<1	<1	<1	<2	<1	<1	<1
Vinyl chloride	ug/L	<1	<1	<1	<2	<1	<1	<1

Notes
< Not detected above Reporting Limit (RL).
F Concentration below RL
B Blank contamination

TABLE E-13
BASELINE GROUNDWATER, ANALYTICAL RESULTS MNA
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID		MW-03-SARA	MW-06-SARA	MW-07-SARA	MW-11-SARA	MW-15-SARA	MW-57-SARA
	Lab ID		D7E150213005	D7E170164009	D7E150213006	D7E150213015	D7E150213010	D7E150213012
	Date		5/14/2007	5/16/2007	5/14/2007	5/15/2007	5/15/2007	5/15/2007
Analyte	Method	Units						
Bromide	MCAWW 300 0A	mg/L	<0.2	0 29	0.12 F	0.14 F	0.12 F	<0.2
Chloride	MCAWW 300.0A	mg/L	12 B	180	16 B	11 B	84 B	2.4 B
Nitrate	MCAWW 300 0A	mg/L	3.8	2.2	2.3	3.5	7.8	0.39 F
Nitrite	MCAWW 300.0A	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0 5
Sulfate	MCAWW 300.0A	mg/L	33 B	23	50 B	21 B	44 B	19 B
Total Alkalinity	MCAWW 310 1	mg/L	96 B	58 B	78 B	59 B	54 B	54 B
Total Sulfide	MCAWW 376.1	mg/L	<1	0 6 F	<1	<1	<1	<1
Ethane	RSK SOP-175	ug/L	<5	<5	<5	<5	<5	<5
Ethene	RSK SOP-175	ug/L	<5	<5	<5	<5	<5	<5
Methane	RSK SOP-175	ug/L	<5	0 24 F B	<5	8.5 B	6.3 B	2 F B
Arsenic	SW846 6020	ug/L	<5	0 43 F	0 36 F	0 7 F	0 74 F	<5
Arsenic (Dissolved)	SW846 6020	ug/L	--	--	--	--	--	--
Manganese	SW846 6020	ug/L	0.49 F	3200 B	4.3	19	65	4.9
Manganese (Dissolved)	SW846 6020	ug/L	--	--	--	--	--	--
Selenium	SW846 6020	ug/L	<2	<2	0 8 F	1.3 F	<2	<2
Selenium (Dissolved)	SW846 6020	ug/L	--	--	--	--	--	--
Dissolved Organic Carbon	SW846 9060	mg/L	--	--	--	--	--	--
Total Organic Carbon	SW846 9060	mg/L	0.16 F	0.85 F	0.23 F	0.32 F	1.5	0.16 F

Notes:
<: Not detected above Reporting Limit (RL)
F: Concentration below RL
M: Concentration estimated due to matrix effect
B: Blank contamination

10001356

TABLE E-13
BASELINE GROUNDWATER, ANALYTICAL RESULTS MNA
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID		MW68-SARA	MW-73-SARA	MW74-SARA	MW131-SARA	MW132-SARA	MW133-SARA
	Lab ID		D7E170164014	D7E170164004	D7E170164018	D7E170164016	D7E170164017	D7E170164012
	Date		5/17/2007	5/16/2007	5/17/2007	5/17/2007	5/17/2007	5/17/2007
Analyte	Method	Units						
Bromide	MCAWW 300.0A	mg/L	0.14 F	0 11 F	0.15 F	0.15 F	0.15 F	0.15 F
Chloride	MCAWW 300.0A	mg/L	9 8	26	13	12	15	12
Nitrate	MCAWW 300 0A	mg/L	4 1	2.7	2.6	4.9	3 2	2.7
Nitrite	MCAWW 300 0A	mg/L	<0.5	0.38 F	<0.5	<0.5	<0.5	<0.5
Sulfate	MCAWW 300.0A	mg/L	26	27	27	21	27	23
Total Alkalinity	MCAWW 310 1	mg/L	54 B	82 B	54 B	53 B	50 B	67 B
Total Sulfide	MCAWW 376.1	mg/L	<1	1 2	<1	0.6 F	0.6 F	<1
Ethane	RSK SOP-175	ug/L	<5	8 7	<5	<5	1 F	<5
Ethene	RSK SOP-175	ug/L	<5	4 2 F	<5	<5	0.78 F	<5
Methane	RSK SOP-175	ug/L	0.23 F	24 B	43	0.23 F	240	210
Arsenic	SW846 6020	ug/L	0.4 F	0 82 F	0.37 F	0 61 F	2.8 F	0.82 F
Arsenic (Dissolved)	SW846 6020	ug/L	--	--	--	--	--	--
Manganese	SW846 6020	ug/L	3 4	120 B	850	22	98	86
Manganese (Dissolved)	SW846 6020	ug/L	--	--	--	--	--	--
Selenium	SW846 6020	ug/L	<2	0 71 F	<2	0 71 F	<2	<2
Selenium (Dissolved)	SW846 6020	ug/L	--	--	--	--	--	--
Dissolved Organic Carbon	SW846 9060	mg/L	--	--	--	--	--	--
Total Organic Carbon	SW846 9060	mg/L	0.17 F	3.5	<1	<1	0.22 F	0.31 F

Notes:
<. Not detected above Reporting Limit (RL)
F: Concentration below RL
M: Concentration estimated due to matrix effect
B: Blank contamination

10001357

TABLE E-13
BASELINE GROUNDWATER, ANALYTICAL RESULTS MNA
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID		MW134-SARA	MW-172-SARA	MW173-SARA	MW173-SARA-DUP	MW174-SARA	MW-175-SARA
	Lab ID		D7E170164019	D7E150213011	D7E150213001	D7E150213001X	D7E150213002	D7E150213009
	Date		5/17/2007	5/15/2007	5/14/2007	5/14/2007	5/14/2007	5/15/2007
Analyte	Method	Units						
Bromide	MCAWW 300 0A	mg/L	0 15 F	0.14 F	<0.2	<0.2	0.12 F	<0.2
Chloride	MCAWW 300 0A	mg/L	15	10 B	35 B	35	9.7 B	9.5 B
Nitrate	MCAWW 300.0A	mg/L	3 1	2.5	2	2	2.5	3 3
Nitrite	MCAWW 300.0A	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Sulfate	MCAWW 300 0A	mg/L	32	19 B	100 B	100	19 B	20 B
Total Alkalinity	MCAWW 310.1	mg/L	53 B	48 B	70 B	70	53 B	48 B
Total Sulfide	MCAWW 376.1	mg/L	<1	<1	0 56 F	--	<1	<1
Ethane	RSK SOP-175	ug/L	<5	<5	<5	--	<5	<5
Ethene	RSK SOP-175	ug/L	<5	<5	<5	--	<5	<5
Methane	RSK SOP-175	ug/L	200	<5	0.23 F B	--	<5	0 51 F B
Arsenic	SW846 6020	ug/L	0 93 F	0.58 F	0 99 F	--	0.39 F	0.3 F
Arsenic (Dissolved)	SW846 6020	ug/L	--	--	--	--	--	--
Manganese	SW846 6020	ug/L	530	15	46	--	1 8 F	2.2
Manganese (Dissolved)	SW846 6020	ug/L	--	--	--	--	--	--
Selenium	SW846 6020	ug/L	<2	0.89 F	<2	--	0.88 F	0 81 F
Selenium (Dissolved)	SW846 6020	ug/L	--	--	--	--	--	--
Dissolved Organic Carbon	SW846 9060	mg/L	--	--	--	--	--	--
Total Organic Carbon	SW846 9060	mg/L	0 36 F	0 29 F	1.5	--	<1	0.17 F

Notes:
< Not detected above Reporting Limit (RL)
F Concentration below RL
M: Concentration estimated due to matrix effect
B Blank contamination

10001358

TABLE E-13
BASELINE GROUNDWATER, ANALYTICAL RESULTS MNA
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Sample ID / Lab ID / Date / Method	Units	MW-177-SARA D7E170164006 5/16/2007	MW178-SARA D7E170164015 5/17/2007	MW179-SARA D7E170164013 5/17/2007	MW180 SARA GW01 D7E220172001 5/21/2007	MW180 SARA DUP D7E220172001X 5/21/2007	MW181 SARA GW01 D7E190143003 5/18/2007
Bromide	MCAWW 300.0A	mg/L	0 17 F	0.15 F	0.16 F	0.11 F	0.11 F	<0.2
Chloride	MCAWW 300.0A	mg/L	37	14	12	10	10	11
Nitrate	MCAWW 300.0A	mg/L	3 4	4.8	5.7	3 5	3 5	2.9
Nitrite	MCAWW 300 0A	mg/L	<0 5	<0 5	<0.5	<0.5	<0 5	<0.5
Sulfate	MCAWW 300.0A	mg/L	32	26	23	26	26	44
Total Alkalinity	MCAWW 310 1	mg/L	62 B	51 B	55 B	52 B	--	110 B
Total Sulfide	MCAWW 376.1	mg/L	1 1	0.6 F	0.6 F	<1	--	0.56 F
Ethane	RSK SOP-175	ug/L	<5	<5	<5	<5	--	<5
Ethene	RSK SOP-175	ug/L	<5	<5	<5	<5	--	<5
Methane	RSK SOP-175	ug/L	<5	0.66 F	0 58 F	<5	--	0 23 F
Arsenic	SW846 6020	ug/L	0.44 F	0.36 F	0.36 F	0.3 F	--	0.33 F
Arsenic (Dissolved)	SW846 6020	ug/L	--	--	--	--	--	--
Manganese	SW846 6020	ug/L	46 B	3.1	11	2.4	--	3 5
Manganese (Dissolved)	SW846 6020	ug/L	--	--	--	--	--	--
Selenium	SW846 6020	ug/L	<2	<2	<2	<2	--	0.85 F
Selenium (Dissolved)	SW846 6020	ug/L	--	--	--	--	--	--
Dissolved Organic Carbon	SW846 9060	mg/L	--	--	--	--	--	--
Total Organic Carbon	SW846 9060	mg/L	0 36 F	0 23 F	0 16 F	0.23 F	--	0 64 F

Notes:
< Not detected above Reporting Limit (RL)
F: Concentration below RL
M: Concentration estimated due to matrix effect
B Blank contamination

10001359

TABLE E-13
BASELINE GROUNDWATER, ANALYTICAL RESULTS MNA
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Sample ID / Lab ID / Date / Method	Units	MW181 SARA DUP D7E190143003X 5/18/2007	MW-187-SARA D7E170164008 5/16/2007	MW-188-SARA D7E170164007 5/16/2007	MW220 SARA GW01 D7E190143001 5/18/2007	MW220 SARA GW01 D7E190143001X 5/18/2007	MW221 SARA GW01 D7E220172002 5/21/2007
Bromide	MCAWW 300 0A	mg/L	<0 2	<0.2	<0 2	<0.2	0.12 F	0.14 F
Chloride	MCAWW 300.0A	mg/L	11	10	11	12	12	12
Nitrate	MCAWW 300 0A	mg/L	2 9	3.3	4.2	1.3	1.5	4.4
Nitrite	MCAWW 300.0A	mg/L	<	<0.5	<0.5	0.17 F	0.18 F	0 05 F
Sulfate	MCAWW 300 0A	mg/L	43	22	23	58	58	27
Total Alkalinity	MCAWW 310 1	mg/L	--	50 B	50 B	170 B	160	63 B
Total Sulfide	MCAWW 376 1	mg/L	--	<1	0 6 F	<4	0.84 F	0.56 F
Ethane	RSK SOP-175	ug/L	--	<5	<5	1 2 F	1.3 F	<5
Ethene	RSK SOP-175	ug/L	--	<5	<5	1.5 F	1.4 F	<5
Methane	RSK SOP-175	ug/L	--	0 75 F B	0 31 F B	1.7 F	1 8 F	0.25 F
Arsenic	SW846 6020	ug/L	--	0 47 F	0 5 F	0 68 F	0.51 F	0.39 F
Arsenic (Dissolved)	SW846 6020	ug/L	--	--	--	--		--
Manganese	SW846 6020	ug/L	--	7.9 B	9.9 B	560	610	72
Manganese (Dissolved)	SW846 6020	ug/L	--	--	--	--		--
Selenium	SW846 6020	ug/L	--	<2	<2	1 F	0.71 F	<2
Selenium (Dissolved)	SW846 6020	ug/L	--	--	--	--		--
Dissolved Organic Carbon	SW846 9060	mg/L	--	--	--	--		--
Total Organic Carbon	SW846 9060	mg/L	--	0 4 F	0.26 F	1.1	0.82 F	0.42 F

Notes:
<: Not detected above Reporting Limit (RL)
F Concentration below RL
M. Concentration estimated due to matrix effect
B. Blank contamination

10001360

TABLE E-13
BASELINE GROUNDWATER, ANALYTICAL RESULTS MNA
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID		MW-222-SARA	MW-222-SARA-DUP	MW-223-SARA	MW-224-SARA	MW-224-SARA-DUP	MW-225-SARA
	Lab ID		D7E170164003	D7E170164003	D7E170164005	D7E170164001	D7E170164001X	D7E150213016
	Date		5/16/2007	5/16/2007	5/16/2007	5/16/2007	5/16/2007	5/15/2007
Analyte	Method	Units						
Bromide	MCAWW 300.0A	mg/L	<0 2	<0 2	0 11 F	0.13 F	0.13 F	<0 2
Chloride	MCAWW 300.0A	mg/L	10	10	8.7	14	14	10 B
Nitrate	MCAWW 300 0A	mg/L	1 9	2	2.5	3.3	3.3	0 6
Nitrite	MCAWW 300.0A	mg/L	0.062 F	0 057 F	0 11 F	0.38 F	0 3 F	0.11 F
Sulfate	MCAWW 300.0A	mg/L	21	21	22	23	24	41 B
Total Alkalinity	MCAWW 310 1	mg/L	100 B	100	76 B	89 B	86 B	120 B
Total Sulfide	MCAWW 376.1	mg/L	<1	--	0.6 F	<1	<1	<1
Ethane	RSK SOP-175	ug/L	1.7 F	--	0 64 F	<5	<5	4.9 F
Ethene	RSK SOP-175	ug/L	2 6 F	--	0.72 F	<5	<5	3 2 F
Methane	RSK SOP-175	ug/L	81 B	--	0.82 F B	0.38 F B	0.35 F B	9.5 B
Arsenic	SW846 6020	ug/L	3.8 F	--	0.8 F	0 94 F	0.88 F	1.9 F
Arsenic (Dissolved)	SW846 6020	ug/L	--	--	--	--		--
Manganese	SW846 6020	ug/L	1200 B M	--	470 B	410 B	390 B	1300
Manganese (Dissolved)	SW846 6020	ug/L	--	--	--	--		--
Selenium	SW846 6020	ug/L	<2	--	<2	<2	<2	<2
Selenium (Dissolved)	SW846 6020	ug/L	--	--	--	--	--	--
Dissolved Organic Carbon	SW846 9060	mg/L	--	--	--	--	--	--
Total Organic Carbon	SW846 9060	mg/L	1 1	--	0 34 F	0.36 F	0.41 F	3.5

Notes:
<. Not detected above Reporting Limit (RL)
F· Concentration below RL
M· Concentration estimated due to matrix effect
B: Blank contamination

10001361

TABLE E-13
BASELINE GROUNDWATER, ANALYTICAL RESULTS MNA
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID		MW-226-SARA	MW227-SARA	MW227-SARA	MW228-SARA
	Lab ID		D7E150213017	D7E150213003	D7E150213003X	D7E150213007
	Date		5/15/2007	5/14/2007	5/14/2007	5/14/2007
Analyte	Method	Units				
Bromide	MCAWW 300.0A	mg/L	<0.2	0.14 F	0.14 F	0.14 F
Chloride	MCAWW 300.0A	mg/L	10 B	88 B	91 B	11 B
Nitrate	MCAWW 300.0A	mg/L	2.1	7.7	7 6	2.4
Nitrite	MCAWW 300.0A	mg/L	0.075 F	<0 5	<0.5	0.073 F
Sulfate	MCAWW 300.0A	mg/L	20 B	36 B	36 B	24 B
Total Alkalinity	MCAWW 310 1	mg/L	81 B	54 B	54 B	50 B
Total Sulfide	MCAWW 376.1	mg/L	<1	0.64 F	<1	<1
Ethane	RSK SOP-175	ug/L	2.6 F	<5	<5	<5
Ethene	RSK SOP-175	ug/L	1 8 F	<5	<5	<5
Methane	RSK SOP-175	ug/L	2 3 F B	0.25 F B	0.25 F B	0 46 F B
Arsenic	SW846 6020	ug/L	1 6 F	0.67 F	0 72 F	0 49 F
Arsenic (Dissolved)	SW846 6020	ug/L	1 2 F	--	--	--
Manganese	SW846 6020	ug/L	1500	36	36	87
Manganese (Dissolved)	SW846 6020	ug/L	1400	--	--	--
Selenium	SW846 6020	ug/L	<2	0.98 F	0.88 F	0 92 F
Selenium (Dissolved)	SW846 6020	ug/L	<2	--	--	--
Dissolved Organic Carbon	SW846 9060	mg/L	2.6	--	--	--
Total Organic Carbon	SW846 9060	mg/L	2 6	1.4	3 3	0.28 F

Notes:
<: Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
B Blank contamination

10001362

TABLE E-14
BASELINE FLUVIAL SOIL, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Sample ID Lab ID Date Units	SVE-A-B D7E150283003 5/14/2007 mg/kg	SVE-A-M D7E150283002 5/14/2007 mg/kg	SVE-A-T D7E150283001 5/14/2007 mg/kg	SVE-B-B D7E170152003 5/16/2007 mg/kg	SVE-B-M D7E170152002 5/16/2007 mg/kg	SVE-B-T D7E170152001 5/16/2007 mg/kg
1,1,1,2-Tetrachloroethane		<0 0031	<0 0032	<0.0034	<0 0033	<0 0032	<0 0032
1,1,1-Trichloroethane		<0 0052	<0 0054	<0.0057	<0 0055	<0 0054	<0 0054
1,1,2,2-Tetrachloroethane		<0 0031	<0 0032	<0 0034	1 3	17	5 5
1,1,2-Trichloroethane		<0 0052	<0 0054	<0 0057	0.0062	0 062	0.014
1,1-Dichloroethane		<0 0052	<0 0054	<0 0057	<0 0055	<0 0054	<0 0054
1,1-Dichloroethene		<0 0063	<0.0065	<0 0068	<0 0065	<0 0065	<0 0065
1,1-Dichloropropene		<0 0052	<0 0054	<0.0057	<0 0055	<0 0054	<0 0054
1,2,3-Trichlorobenzene		<0 0052	<0 0054	<0 0057	<0 0055	<0 0054	<0 0054
1,2,3-Trichloropropane		<0 0052	<0 0054	<0 0057	<0 0055	<0 0054	<0 0054
1,2,4-Trichlorobenzene		<0 0052	<0 0054	<0 0057	<0 0055	<0.0054	<0 0054
1,2,4-Trimethylbenzene		<0 0063	<0 0065	<0 0068	<0 0065	<0.0065	<0 0065
1,2-Dibromo-3-chloropropane		<0 01	<0 011	<0 011	<0 011	<0 011	<0 011
1,2-Dibromoethane (EDB)		<0.0052	<0 0054	<0 0057	<0 0055	<0 0054	<0 0054
1,2-Dichlorobenzene		<0 0052	<0 0054	<0 0057	<0 0055	<0 0054	<0 0054
1,2-Dichloroethane		<0 0031	<0 0032	<0 0034	<0.0033	0 0021 F	<0 0032
1,2-Dichloropropane		<0 0052	<0 0054	<0.0057	<0 0055	<0 0054	<0.0054
1,3,5-Trimethylbenzene		<0 0052	<0 0054	<0 0057	<0 0055	<0 0054	<0 0054
1,3-Dichlorobenzene		<0 0063	<0 0065	<0.0068	<0 0065	<0 0065	<0.0065
1,3-Dichloropropane		<0.0021	<0 0022	<0 0023	<0 0022	<0 0022	<0 0022
1,4-Dichlorobenzene		<0 0021	<0 0022	<0 0023	<0 0022	<0.0022	<0 0022
1-Chlorohexane		<0 0052	<0 0054	<0 0057	<0 0055	<0.0054	<0 0054
2,2-Dichloropropane		<0 0052	<0 0054	<0.0057	<0 0055	<0 0054	<0.0054
2-Butanone (MEK)		<0.021	<0 022	<0 023	<0 022	<0.022	0 0047 F
2-Chlorotoluene		<0 0052	<0 0054	<0 0057	<0 0055	<0 0054	<0 0054
4-Chlorotoluene		<0 0052	<0 0054	<0 0057	<0 0055	<0.0054	<0 0054
Acetone		<0 052	0 008 F	0 0078 F	<0.055	0 0046 F	<0 054
Benzene		<0 0021	<0.0022	<0.0023	<0 0022	<0 0022	<0.0022
Bromobenzene		<0.0052	<0 0054	<0 0057	<0.0055	<0 0054	<0 0054
Bromochloromethane		<0.0052	<0.0054	<0 0057	<0 0055	<0 0054	<0.0054
Bromodichloromethane		<0 0021	<0 0022	<0 0023	<0 0022	<0 0022	<0 0022
Bromoform		<0 0063	<0 0065	<0 0068	<0 0065	<0 0065	<0.0065
Bromomethane		<0 01	<0.011	<0.011	<0.011	<0 011	<0 011
Carbon disulfide		<0 0052	<0 0054	<0 0057	<0 0055	<0.0054	<0 0054
Carbon tetrachloride		<0 0052	<0 0054	<0 0057	<0 0055	<0 0054	<0.0054
Chlorobenzene		<0 0021	<0 0022	<0 0023	<0 0022	<0.0022	<0 0022
Chloroethane		<0.0052	<0.0054	<0.0057	<0 0055	<0.0054	<0 0054
Chloroform		<0 0021	<0 0022	<0 0023	<0 0022	0 00072 F	<0.0022
Chloromethane		<0 0052	<0 0054	<0 0057	<0 0055	<0 0054	<0 0054
cis-1,2-Dichloroethene		<0 0052	<0 0054	<0 0057	0.0011 F	0.19	0 0083
cis-1,3-Dichloropropene		<0 0031	<0 0032	<0 0034	<0 0033	<0 0032	<0.0032
Dibromochloromethane		<0 0031	<0 0032	<0.0034	<0.0033	<0.0032	<0 0032
Dibromomethane		<0 0052	<0 0054	<0 0057	<0 0055	<0 0054	<0 0054
Dichlorodifluoromethane		<0 0052	<0 0054	<0 0057	<0.0055	<0.0054	<0 0054
Ethylbenzene		<0 0052	<0 0054	<0 0057	<0 0055	<0 0054	<0 0054
Hexachlorobutadiene		<0 0031	<0 0032	<0.0034	<0 0033	<0 0032	<0 0032
Isopropylbenzene		<0.0052	<0 0054	<0.0057	<0 0055	<0 0054	<0 0054
Methyl isobutyl ketone (MIBK)		<0 021	<0 022	<0 023	<0 022	<0 022	<0 022
Methyl tert-butyl ether		<0.021	<0 022	<0 023	<0 022	<0 022	<0 022
Methylene chloride		<0 0052	<0 0054	<0 0057	0 0014 F	0 0017 F	0 0017 F
m-Xylene & p-Xylene		<0 0052	<0 0054	<0 0057	<0.0055	<0.0054	<0.0054
Naphthalene		<0 0052	<0 0054	<0 0057	<0.0055	<0 0054	<0.0054
n-Butylbenzene		<0 0052	<0 0054	<0 0057	<0.0055	<0.0054	<0.0054
n-Propylbenzene		<0 0052	<0 0054	<0 0057	<0 0055	<0 0054	<0 0054
o-Xylene		<0 0052	<0 0054	<0 0057	<0 0055	<0 0054	<0 0054
p-Isopropyltoluene		<0 0063	<0 0065	<0 0068	<0 0065	<0.0065	<0.0065
sec-Butylbenzene		<0 0052	<0 0054	<0 0057	<0 0055	<0.0054	<0.0054
Styrene		<0 0052	<0 0054	<0.0057	<0 0055	<0 0054	<0 0054
tert-Butylbenzene		<0 0052	<0 0054	<0 0057	<0 0055	<0 0054	<0 0054
Tetrachloroethene		<0 0052	<0 0054	<0 0057	<0 0055	<0 0054	<0.0054
Toluene		<0 0052	<0 0054	<0.0057	<0 0055	<0 0054	<0.0054
trans-1,2-Dichloroethene		<0 0052	<0 0054	<0 0057	<0 0055	0 0066	<0 0054
trans-1,3-Dichloropropene		<0 0052	<0 0054	<0 0057	<0 0055	<0 0054	<0.0054
Trichloroethene		<0.0052	<0 0054	<0.0057	0 0072	0.079	0.0065
Trichlorofluoromethane		<0 0052	<0 0054	<0 0057	<0 0055	<0.0054	<0.0054
Vinyl chloride		<0 0052	<0 0054	<0.0057	<0 0055	<0.0054	<0 0054
Xylenes (total)		<0 0042	<0 0043	<0 0045	<0 0044	<0 0043	<0.0043

Notes
<: Result is less than laboratory detection limit
B Method Blank Contamination
F Estimate -result >MDL and <RL
J. Estimated Result
M: Concentration estimated due to matrix effect

TABLE E-14
BASELINE FLUVIAL SOIL, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Sample ID / Lab ID / Date	Units	SVE-C-B D7E300205002 5/30/2007	SVE-C-M D7E300205003 5/30/2007	SVE-C-T D7E300205001 5/29/2007	SVE-D-B D7E220170009 5/22/2007	SVE-D-M D7E220170008 5/22/2007	SVE-D-T D7E220170007 5/22/2007
1,1,1,2-Tetrachloroethane		mg/kg	<0 004	<0 0033	<0 0039	<0 0034	0 0023 F	<0 0035
1,1,1-Trichloroethane		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058
1,1,2,2-Tetrachloroethane		mg/kg	0 48	0 54	8 8	3	13 J	5.3
1,1,2-Trichloroethane		mg/kg	0 0074	0.0046 F	0 095	0 0018 F	0 013	0 0019 F
1,1-Dichloroethane		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058
1,1-Dichloroethene		mg/kg	<0 0081	<0 0067	<0 0078	<0 0067	<0 0058	<0.0069
1,1-Dichloropropene		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058
1,2,3-Trichlorobenzene		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058
1,2,3-Trichloropropane		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058
1,2,4-Trichlorobenzene		mg/kg	<0 0067	<0.0056	<0 0065	<0 0056	<0 0048	<0 0058
1,2,4-Trimethylbenzene		mg/kg	<0 0081	<0 0067	<0 0078	<0 0067	<0 0058	<0 0069
1,2-Dibromo-3-chloropropane		mg/kg	<0 013	<0 011	<0 013	<0 011	<0 0096	<0.012
1,2-Dibromoethane (EDB)		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0.0048	<0 0058
1,2-Dichlorobenzene		mg/kg	<0 0067	<0.0056	<0 0065	<0 0056	<0 0048	<0 0058
1,2-Dichloroethane		mg/kg	<0 004	<0 0033	0 017	<0 0034	<0 0029	<0 0035
1,2-Dichloropropane		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058
1,3,5-Trimethylbenzene		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058
1,3-Dichlorobenzene		mg/kg	<0 0081	<0 0067	<0 0078	<0 0067	<0 0058	<0 0069
1,3-Dichloropropane		mg/kg	<0 0027	<0 0022	<0 0026	<0 0022	<0 0019	<0 0023
1,4-Dichlorobenzene		mg/kg	<0 0027	<0 0022	<0 0026	<0 0022	<0.0019	<0 0023
1-Chlorohexane		mg/kg	<0.0067	<0 0056	<0.0065	<0 0056	<0.0048	<0 0058
2,2-Dichloropropane		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058
2-Butanone (MEK)		mg/kg	<0 027	<0 022	<0 026	<0 022	<0 019	<0 023
2-Chlorotoluene		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058
4-Chlorotoluene		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058 M
Acetone		mg/kg	<0 067	<0 056	0 091	<0 056	<0 048	<0 058
Benzene		mg/kg	<0 0027	<0 0022	<0 0026	<0 0022	<0 0019	<0.0023
Bromobenzene		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058
Bromochloromethane		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058
Bromodichloromethane		mg/kg	<0 0027	<0 0022	<0 0026	<0 0022	<0 0019	<0 0023
Bromoform		mg/kg	<0 0081	<0 0067	<0 0078	<0 0067	<0 0058	<0 0069
Bromomethane		mg/kg	<0 013	<0 011	<0 013	<0 011	<0 0096	<0.012
Carbon disulfide		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058
Carbon tetrachloride		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058
Chlorobenzene		mg/kg	<0 0027	<0 0022	<0 0026	<0 0022	<0 0019	<0 0023
Chloroethane		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058
Chloroform		mg/kg	<0 0027	<0 0022	0 0064	<0 0022	<0 0019	<0 0023
Chloromethane		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058
cis-1,2-Dichloroethene		mg/kg	0 019	0 0099	0 36	0 0016 F	0 007	0 0023 F
cis-1,3-Dichloropropene		mg/kg	<0 004	<0 0033	<0 0039	<0 0034	<0 0029	<0 0035
Dibromochloromethane		mg/kg	<0 004	<0 0033	<0 0039	<0 0034	<0 0029	<0 0035
Dibromomethane		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058
Dichlorodifluoromethane		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058
Ethylbenzene		mg/kg	<0.0067	<0 0056	<0 0065	<0 0056	<0 0048	<0.0058
Hexachlorobutadiene		mg/kg	<0 004	<0 0033	<0 0039	<0 0034	<0 0029	<0 0035
Isopropylbenzene		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058 M
Methyl isobutyl ketone (MIBK)		mg/kg	<0 027	<0 022	<0 026	<0 022	<0 019	<0 023
Methyl tert-butyl ether		mg/kg	<0 027	<0 022	<0 026	<0 022	<0 019	<0.023
Methylene chloride		mg/kg	0 0029 F B	0 0034 F B	<0 0065	<0 0056	<0 0048	<0 0058
m-Xylene & p-Xylene		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0.0058 M
Naphthalene		mg/kg	<0 0067	<0 0056	<0.0065	<0 0056	0 0008 F B	0 00033 F B
n-Butylbenzene		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058
n-Propylbenzene		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058
o-Xylene		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058
p-Isopropyltoluene		mg/kg	<0 0081	<0 0067	<0 0078	<0 0067	<0 0058	<0 0069 M
sec-Butylbenzene		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058
Styrene		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058
tert-Butylbenzene		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058
Tetrachloroethene		mg/kg	<0 0067	<0 0056	0 0019 F	<0 0056	0 0025 F	0 0011 F
Toluene		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058
trans-1,2-Dichloroethene		mg/kg	0 002 F	0 0011 F	0 042	<0 0056	<0 0048	<0 0058
trans-1,3-Dichloropropene		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058
Trichloroethene		mg/kg	0 028	0 016	0 49	0 079	0 26 J	0 092
Trichlorofluoromethane		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058
Vinyl chloride		mg/kg	<0 0067	<0 0056	<0 0065	<0 0056	<0 0048	<0 0058
Xylenes (total)		mg/kg	<0 0054	<0 0044	<0 0052	<0 0045	<0 0039	<0 0046 M

Notes
< Result is less than laboratory detection limit
B Method Blank Contamination
F Estimate -result >MDL and <RL
J Estimated Result
M Concentration estimated due to matrix effect

TABLE E-13
BASELINE GROUNDWATER SAMPLE, QA ANALYTICAL RESULTS, VOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Method	Sample ID / Lab ID / Date / Units	TB-1-SARA-GW01 D7E150213008 5/14/2007	TB-2-SARA-GW01 D7E150213014 5/15/2007	TB-5-SARA-GW01 D7E170164010 5/16/2007	TB-4-SARA-GW01 D7E170164021 5/17/2007	TB3-SARA-GW01 D7E190143004 5/18/2007	TB6-SARA-GW01 D7E220172003 5/21/2007
1,1,1,2-Tetrachloroethane	8260B	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
1,1,1-Trichloroethane	8260B	ug/L	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	8260B	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
1,1,2-Trichloroethane	8260B	ug/L	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	8260B	ug/L	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	8260B	ug/L	<1	<1	<1	<1	<1	<1
1,1-Dichloropropene	8260B	ug/L	<1	<1	<1	<1	<1	<1
1,2,3-Trichlorobenzene	8260B	ug/L	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	8260B	ug/L	<1	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	8260B	ug/L	<1	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene	8260B	ug/L	<1	<1	<1	<1	<1	<1
(DBCP)	8260B	ug/L	<2	<2	<2	<2	<2	<2
1,2-Dibromoethane (EDB)	8260B	ug/L	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	8260B	ug/L	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	8260B	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
1,2-Dichloropropane	8260B	ug/L	<1	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene	8260B	ug/L	<1	<1	<1	<1	<1	<1
1,3-Dichlorobenzene	8260B	ug/L	<1	<1	<1	<1	<1	<1
1,3-Dichloropropane	8260B	ug/L	<0 4	<0 4	<0 4	<0 4	<0 4	<0 4
1,4-Dichlorobenzene	8260B	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
1-Chlorohexane	8260B	ug/L	<1	<1	<1	<1	<1	<1
2,2-Dichloropropane	8260B	ug/L	<1	<1	<1	<1	<1	<1
2-Butanone (MEK)	8260B	ug/L	<10	<10	<10	<10	<10	<10
2-Chlorotoluene	8260B	ug/L	<1	<1	<1	<1	<1	<1
4-Chlorotoluene	8260B	ug/L	<1	<1	<1	<1	<1	<1
Acetone	8260B	ug/L	<10	<10	<10	<10	<10	<10
Benzene	8260B	ug/L	0 19	<0 4	<0 4	<0 4	<0 4	<0 4
Bromobenzene	8260B	ug/L	<1	<1	<1	<1	<1	<1
Bromochloromethane	8260B	ug/L	<1	<1	<1	<1	<1	<1
Bromodichloromethane	8260B	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
Bromoform	8260B	ug/L	<1	<1	<1	<1	<1	<1
Bromomethane	8260B	ug/L	<3	<3	<3	<3	<3	<3
Carbon tetrachloride	8260B	ug/L	<1	<1	<1	<1	<1	<1
Chlorobenzene	8260B	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
Chloroethane	8260B	ug/L	<1	<1	<1	<1	<1	<1
Chloroform	8260B	ug/L	<0 3	<0 3	<0 3	<0 3	<0 3	<0 3
Chloromethane	8260B	ug/L	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	8260B	ug/L	<1	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	8260B	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
Dibromochloromethane	8260B	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
Dibromomethane	8260B	ug/L	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	8260B	ug/L	<1	<1	<1	<1	<1	<1
Ethylbenzene	8260B	ug/L	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene	8260B	ug/L	<0 6	<0 6	<0 6	<0 6	<0 6	<0 6
Isopropylbenzene	8260B	ug/L	<1	<1	<1	<1	<1	<1
Methyl isobutyl ketone (MIBK)	8260B	ug/L	<10	<10	<10	<10	<10	<10
Methyl tert-butyl ether	8260B	ug/L	<5	<5	<5	<5	<5	<5
Methylene chloride	8260B	ug/L	<2	<2	0 4	<2	0 75 J	1
m-Xylene & p-Xylene	8260B	ug/L	<2	<2	<2	<2	<2	<2
Naphthalene	8260B	ug/L	<1	<1	<1	<1	<1	<1
n-Butylbenzene	8260B	ug/L	<1	<1	<1	<1	<1	<1
n-Propylbenzene	8260B	ug/L	<1	<1	<1	<1	<1	<1
o-Xylene	8260B	ug/L	<1	<1	<1	<1	<1	<1
p-Isopropyltoluene	8260B	ug/L	<1	<1	<1	<1	<1	<1
sec-Butylbenzene	8260B	ug/L	<1	<1	<1	<1	<1	<1
Styrene	8260B	ug/L	<1	<1	<1	<1	<1	<1
tert-Butylbenzene	8260B	ug/L	<1	<1	<1	<1	<1	<1
Tetrachloroethene	8260B	ug/L	<1	<1	<1	<1	<1	<1
Toluene	8260B	ug/L	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	8260B	ug/L	<1	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	8260B	ug/L	<1	<1	<1	<1	<1	<1
Trichloroethene	8260B	ug/L	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	8260B	ug/L	<1	<1	<1	<1	<1	<1
Vinyl chloride	8260B	ug/L	<1	<1	<1	<1	<1	<1

Notes
< Not detected above Reporting Limit (RL)
J Estimated Result

TABLE E-14
BASELINE FLUVIAL SOIL, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Sample ID Lab ID Date Units	SVE-E-B D7F010153003 5/31/2007	SVE-E-M D7F010153002 5/31/2007	SVE-E-T D7F010153001 5/31/2007	SVE-F-B D7F050152004 6/5/2007	SVE-F-M D7F050152002 6/4/2007	SVE-F-T D7F050152001 6/4/2007
1,1,1,2-Tetrachloroethane	mg/kg	<0 0029	<0 0029	<0 0038	<0 0033	<0 0033	<0.0028
1,1,1-Trichloroethane	mg/kg	<0 0048	<0 0048	<0 0063	<0 0055	<0 0054	<0 0047
1,1,2,2-Tetrachloroethane	mg/kg	0 0018 F	0 00086 F	0 0051	0 012	0 0054	0.0082
1,1,2-Trichloroethane	mg/kg	<0.0048	<0 0048	<0 0063	<0 0055	<0.0054	0 0013 F
1,1-Dichloroethane	mg/kg	<0 0048	<0 0048	<0 0063	<0 0055	<0 0054	<0.0047
1,1-Dichloroethene	mg/kg	<0 0057	<0.0058	<0 0075	<0 0066	<0 0065	<0.0057
1,1-Dichloropropene	mg/kg	<0 0048	<0 0048	<0 0063	<0 0055	<0 0054	<0 0047
1,2,3-Trichlorobenzene	mg/kg	<0 0048	<0 0048	<0 0063	<0 0055	<0 0054	<0.0047
1,2,3-Trichloropropane	mg/kg	<0 0048	<0 0048	<0 0063	<0.0055	<0 0054	<0.0047
1,2,4-Trichlorobenzene	mg/kg	<0 0048	<0 0048	<0.0063	<0 0055	<0.0054	<0 0047
1,2,4-Trimethylbenzene	mg/kg	<0 0057	<0 0058	<0.0075	<0 0066	<0.0065	<0 0057
1,2-Dibromo-3-chloropropane	mg/kg	<0 0095	<0 0096	<0 013	<0 011	<0.011	<0.0094
1,2-Dibromoethane (EDB)	mg/kg	<0 0048	<0 0048	<0.0063	<0 0055	<0.0054	<0 0047
1,2-Dichlorobenzene	mg/kg	<0 0048	<0 0048	<0.0063	<0 0055	<0 0054	<0 0047
1,2-Dichloroethane	mg/kg	<0 0029	<0 0029	<0 0038	<0 0033	<0 0033	<0.0028
1,2-Dichloropropane	mg/kg	<0 0048	<0 0048	<0.0063	<0 0055	<0 0054	<0 0047
1,3,5-Trimethylbenzene	mg/kg	<0 0048	<0 0048	<0.0063	<0 0055	<0.0054	<0 0047
1,3-Dichlorobenzene	mg/kg	<0 0057	<0 0058	<0 0075	<0 0066	<0 0065	<0 0057
1,3-Dichloropropane	mg/kg	<0 0019	<0 0019	<0.0025	<0 0022	<0 0022	<0 0019
1,4-Dichlorobenzene	mg/kg	<0 0019	<0 0019	<0 0025	<0 0022	<0 0022	<0.0019
1-Chlorohexane	mg/kg	<0 0048	<0 0048	<0 0063	<0 0055	<0 0054	<0 0047
2,2-Dichloropropane	mg/kg	<0 0048	<0 0048	<0.0063	<0 0055	<0 0054	<0 0047
2-Butanone (MEK)	mg/kg	0 0067 F	0 0049 F	<0 025	<0 022	0 0088 F	0.0046 F
2-Chlorotoluene	mg/kg	<0 0048	<0 0048	<0 0063	<0 0055	<0 0054	<0.0047
4-Chlorotoluene	mg/kg	<0 0048	<0 0048	<0.0063	<0 0055	<0 0054	<0.0047
Acetone	mg/kg	0 012 F B	0 021 F B	<0 063	<0.055	0 023 F	0 031 F
Benzene	mg/kg	<0 0019	<0 0019	<0 0025	<0 0022	<0.0022	<0 0019
Bromobenzene	mg/kg	<0.0048	<0 0048	<0 0063	<0 0055	<0 0054	<0 0047
Bromochloromethane	mg/kg	<0.0048	<0 0048	<0 0063	<0 0055	<0 0054	<0 0047
Bromodichloromethane	mg/kg	<0 0019	<0 0019	<0 0025	<0 0022	<0 0022	<0.0019
Bromoform	mg/kg	<0 0057	<0.0058	<0 0075	<0 0066	<0 0065	<0 0057
Bromomethane	mg/kg	<0 0095	<0 0096	<0 013	<0 011	<0 011	<0 0094
Carbon disulfide	mg/kg	<0 0048	<0 0048	<0 0063	<0.0055	<0 0054	<0 0047
Carbon tetrachloride	mg/kg	<0 0048	<0 0048	<0 0063	<0 0055	<0 0054	<0 0047
Chlorobenzene	mg/kg	<0 0019	<0 0019	<0 0025	<0 0022	<0.0022	<0 0019
Chloroethane	mg/kg	<0 0048	<0 0048	<0 0063	<0 0055	<0.0054	<0 0047
Chloroform	mg/kg	<0 0019	<0 0019	<0 0025	<0 0022	<0 0022	0 0018 F
Chloromethane	mg/kg	<0 0048	<0 0048	<0 0063	<0 0055	<0 0054	<0 0047
cis-1,2-Dichloroethene	mg/kg	0 0029 F	<0 0048	0 0011 F	<0 0055	<0 0054	0 0069
cis-1,3-Dichloropropene	mg/kg	<0.0029	<0.0029	<0 0038	<0 0033	<0 0033	<0.0028
Dibromochloromethane	mg/kg	<0 0029	<0 0029	<0 0038	<0 0033	<0 0033	<0.0028
Dibromomethane	mg/kg	<0.0048	<0.0048	<0 0063	<0 0055	<0 0054	<0.0047
Dichlorodifluoromethane	mg/kg	<0 0048	<0 0048	<0 0063	<0 0055	<0 0054	<0.0047
Ethylbenzene	mg/kg	<0 0048	<0 0048	<0 0063	<0 0055	<0 0054	<0 0047
Hexachlorobutadiene	mg/kg	<0 0029	<0 0029	<0 0038	<0 0033	<0 0033	<0 0028
Isopropylbenzene	mg/kg	<0 0048	<0 0048	<0 0063	<0 0055	<0 0054	<0 0047
Methyl isobutyl ketone (MIBK)	mg/kg	<0 019	<0 019	<0 025	<0 022	<0 022	<0 019
Methyl tert-butyl ether	mg/kg	<0 019	<0 019	<0 025	<0 022	<0 022	<0 019
Methylene chloride	mg/kg	0 0011 F B	<0 0048	0 0012 F B	<0 0055	<0 0054	0.0022 F
m-Xylene & p-Xylene	mg/kg	<0 0048	<0 0048	<0 0063	<0 0055	<0.0054	<0 0047
Naphthalene	mg/kg	<0.0048	<0 0048	<0 0063	<0 0055	0 0004 F B	0.00083 F B
n-Butylbenzene	mg/kg	<0 0048	<0 0048	<0 0063	<0 0055	<0 0054	<0 0047
n-Propylbenzene	mg/kg	<0 0048	<0 0048	<0 0063	<0 0055	<0.0054	<0 0047
o-Xylene	mg/kg	<0 0048	<0 0048	<0 0063	<0 0055	<0 0054	<0 0047
p-Isopropyltoluene	mg/kg	<0 0057	<0 0058	<0 0075	<0 0066	<0 0065	<0 0057
sec-Butylbenzene	mg/kg	<0 0048	<0 0048	<0 0063	<0 0055	<0 0054	<0 0047
Styrene	mg/kg	<0 0048	<0 0048	<0 0063	<0.0055	<0 0054	<0.0047
tert-Butylbenzene	mg/kg	<0 0048	<0 0048	<0 0063	<0.0055	<0 0054	<0 0047
Tetrachloroethene	mg/kg	0.0011 F	<0 0048	<0 0063	<0 0055	<0 0054	<0.0047
Toluene	mg/kg	<0 0048	<0 0048	<0 0063	<0 0055	<0 0054	<0 0047
trans-1,2-Dichloroethene	mg/kg	0 00053 F	<0 0048	<0 0063	<0 0055	<0.0054	0.00098 F
trans-1,3-Dichloropropene	mg/kg	<0.0048	<0 0048	<0 0063	<0 0055	<0 0054	<0 0047
Trichloroethene	mg/kg	0 065	<0 0048	0 033	<0 0055	<0 0054	0 0035 F
Trichlorofluoromethane	mg/kg	<0 0048	<0 0048	<0 0063	<0 0055	<0 0054	<0 0047
Vinyl chloride	mg/kg	<0 0048	<0 0048	<0 0063	<0 0055	<0 0054	<0 0047
Xylenes (total)	mg/kg	<0 0038	<0.0038	<0 005	<0 0044	<0 0043	<0 0038

Notes
< Result is less than laboratory detection limit
B· Method Blank Contamination
F Estimate -result >MDL and <RL
J. Estimated Result
M· Concentration estimated due to matrix effect

TABLE E-14
BASELINE FLUVIAL SOIL, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Sample ID / Lab ID / Date	Units	SVE-G-B D7F070143002 6/6/2007	SVE-G-M D7F070143001 6/6/2007	SVE-G-T D7F050152005 6/5/2007	VP-01-B D7E150283004 5/15/2007	VP-01-M D7E150283005 5/15/2007	VP-01-T D7E150283006 5/15/2007
1,1,1,2-Tetrachloroethane		mg/kg	<0 0038	<0 0034	<0 0032	<0 0035	<0 0032	<0 0029
1,1,1-Trichloroethane		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
1,1,2,2-Tetrachloroethane		mg/kg	0 23	0 017	0 33	<0 0035	<0 0032	<0 0029
1,1,2-Trichloroethane		mg/kg	0 0033 F	<0 0057	0 0064	<0 0059	<0 0053	<0 0048
1,1-Dichloroethane		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
1,1-Dichloroethene		mg/kg	<0 0076	<0.0069	<0 0064	<0 0071	<0.0063	<0 0058
1,1-Dichloropropene		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
1,2,3-Trichlorobenzene		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
1,2,3-Trichloropropane		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
1,2,4-Trichlorobenzene		mg/kg	<0 0063	<0 0057	<0.0054	<0 0059	<0 0053	<0 0048
1,2,4-Trimethylbenzene		mg/kg	<0 0076	<0 0069	<0 0064	<0 0071	<0 0063	<0 0058
1,2-Dibromo-3-chloropropane		mg/kg	<0.013	<0 011	<0 011	<0 012	<0 011	<0 0097
1,2-Dibromoethane (EDB)		mg/kg	<0.0063	<0 0057	<0 0054	<0 0059	<0 0053	<0.0048
1,2-Dichlorobenzene		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
1,2-Dichloroethane		mg/kg	<0 0038	<0.0034	<0 0032	<0 0035	<0 0032	<0 0029
1,2-Dichloropropane		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
1,3,5-Trimethylbenzene		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
1,3-Dichlorobenzene		mg/kg	<0 0076	<0 0069	<0 0064	<0 0071	<0 0063	<0.0058
1,3-Dichloropropane		mg/kg	<0 0025	<0 0023	<0 0021	<0 0024	<0 0021	<0 0019
1,4-Dichlorobenzene		mg/kg	<0 0025	<0 0023	<0 0021	<0 0024	<0 0021	<0 0019
1-Chlorohexane		mg/kg	<0 0063	<0.0057	<0 0054	<0.0059	<0 0053	<0 0048
2,2-Dichloropropane		mg/kg	<0.0063	<0 0057	<0 0054	<0 0059	<0.0053	<0 0048
2-Butanone (MEK)		mg/kg	<0 025	<0 023	<0 021	<0 024	<0 021	<0 019
2-Chlorotoluene		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
4-Chlorotoluene		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0.0048
Acetone		mg/kg	<0.063	<0 057	<0 054	<0 059	<0 053	0 0047 F
Benzene		mg/kg	<0 0025	<0 0023	<0 0021	<0.0024	<0 0021	<0 0019
Bromobenzene		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
Bromochloromethane		mg/kg	<0 0063	<0 0057	<0.0054	<0 0059	<0.0053	<0 0048
Bromodichloromethane		mg/kg	<0 0025	<0 0023	<0 0021	<0 0024	<0 0021	<0 0019
Bromoform		mg/kg	<0 0076	<0 0069	<0 0064	<0 0071	<0 0063	<0 0058
Bromomethane		mg/kg	<0 013	<0 011	<0 011	<0 012	<0 011	<0 0097
Carbon disulfide		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
Carbon tetrachloride		mg/kg	0 00087 F	<0 0057	0 0021 F	<0 0059	<0 0053	<0 0048
Chlorobenzene		mg/kg	<0 0025	<0 0023	<0 0021	<0.0024	<0 0021	<0 0019
Chloroethane		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
Chloroform		mg/kg	0 12	0 0048	0 55	<0 0024	<0 0021	0 0017 F
Chloromethane		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
cis-1,2-Dichloroethene		mg/kg	<0 0063	<0 0057	0 0013 F	<0 0059	<0 0053	0 018
cis-1,3-Dichloropropene		mg/kg	<0 0038	<0 0034	<0 0032	<0 0035	<0 0032	<0 0029
Dibromochloromethane		mg/kg	<0 0038	<0 0034	<0 0032	<0 0035	<0 0032	<0 0029
Dibromomethane		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
Dichlorodifluoromethane		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
Ethylbenzene		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
Hexachlorobutadiene		mg/kg	<0 0038	<0 0034	<0 0032	<0 0035	<0 0032	<0 0029
Isopropylbenzene		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
Methyl isobutyl ketone (MIBK)		mg/kg	<0 025	<0 023	<0 021	<0 024	<0 021	<0 019
Methyl tert-butyl ether		mg/kg	<0 025	<0 023	<0 021	<0 024	<0 021	<0.019
Methylene chloride		mg/kg	<0 0063	0 0012 F B	<0 0054	<0 0059	<0 0053	<0 0048
m-Xylene & p-Xylene		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
Naphthalene		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
n-Butylbenzene		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
n-Propylbenzene		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
o-Xylene		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
p-Isopropyltoluene		mg/kg	<0 0076	<0 0069	<0 0064	<0 0071	<0 0063	<0 0058
sec-Butylbenzene		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
Styrene		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
tert-Butylbenzene		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
Tetrachloroethene		mg/kg	<0 0063	<0 0057	0 0019 F	<0 0059	<0 0053	<0 0048
Toluene		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
trans-1,2-Dichloroethene		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	0 011
trans-1,3-Dichloropropene		mg/kg	<0 0063	<0 0057	<0 0054	<0.0059	<0 0053	<0 0048
Trichloroethene		mg/kg	0 017	0 00093 F	0 052	<0 0059	<0 0053	0 077
Trichlorofluoromethane		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
Vinyl chloride		mg/kg	<0 0063	<0 0057	<0 0054	<0 0059	<0 0053	<0 0048
Xylenes (total)		mg/kg	<0 005	<0 0046	<0 0043	<0 0047	<0 0042	<0 0039

Notes
<- Result is less than laboratory detection limit
B- Method Blank Contamination
F- Estimate -result >MDL and <RL
J Estimated Result
M Concentration estimated due to matrix effect

TABLE E-14
BASELINE FLUVIAL SOIL, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Sample ID / Lab ID / Date	Units	VP-02-B D7E170152009 5/17/2007	VP-02-M D7E170152008 5/17/2007	VP-02-T D7E170152007 5/17/2007	VP-03-B D7E170152006 5/17/2007	VP-03-M D7E170152005 5/17/2007	VP-03-T D7E170152004 5/17/2007
1,1,1,2-Tetrachloroethane		mg/kg	<0 0033	<0.0032	<0 0031	<0 0033	<0 0034	<0.003
1,1,1-Trichloroethane		mg/kg	<0 0055	<0 0053	<0 0052	<0 0055	<0 0056	<0 005
1,1,2,2-Tetrachloroethane		mg/kg	0 1 F	0 1 F	0 068	0 079	0 034	0.0086
1,1,2-Trichloroethane		mg/kg	0 0073	0 014	0 0073	0 0012 F	0 0018 F	0 0011 F
1,1-Dichloroethane		mg/kg	<0 0055	<0 0053	<0 0052	<0 0055	<0 0056	<0 005
1,1-Dichloroethene		mg/kg	<0 0066	<0.0064	<0 0062	<0 0066	<0 0068	<0 006
1,1-Dichloropropene		mg/kg	<0 0055	<0.0053	<0 0052	<0.0055	<0 0056	<0.005
1,2,3-Trichlorobenzene		mg/kg	<0 0055	<0 0053	<0 0052	<0.0055	<0 0056	<0.005
1,2,3-Trichloropropane		mg/kg	<0 0055	<0 0053	<0 0052	<0.0055	<0 0056	<0.005
1,2,4-Trichlorobenzene		mg/kg	<0 0055	<0 0053	<0 0052	<0 0055	<0 0056	<0 005
1,2,4-Trimethylbenzene		mg/kg	<0 0066	<0 0064	<0 0062	<0 0066	<0 0068	<0 006
1,2-Dibromo-3-chloropropane		mg/kg	<0.011	<0 011	<0 01	<0.011	<0 011	<0 01
1,2-Dibromoethane (EDB)		mg/kg	<0.0055	<0 0053	<0 0052	<0 0055	<0 0056	<0 005
1,2-Dichlorobenzene		mg/kg	<0 0055	<0 0053	<0.0052	<0 0055	<0 0056	<0 005
1,2-Dichloroethane		mg/kg	<0 0033	<0 0032	<0 0031	<0 0033	<0.0034	<0 003
1,2-Dichloropropane		mg/kg	<0 0055	<0 0053	<0 0052	<0 0055	<0.0056	<0 005
1,3,5-Trimethylbenzene		mg/kg	<0 0055	<0 0053	<0 0052	<0 0055	<0 0056	<0 005
1,3-Dichlorobenzene		mg/kg	<0.0066 M	<0 0064	<0 0062	<0 0066	<0 0068	<0 006
1,3-Dichloropropane		mg/kg	<0 0022	<0 0021	<0 0021	<0.0022	<0 0023	<0.002
1,4-Dichlorobenzene		mg/kg	<0 0022 M	<0 0021	<0 0021	<0 0022	<0.0023	<0 002
1-Chlorohexane		mg/kg	<0.0055	<0 0053	<0 0052	<0.0055	<0 0056	<0.005
2,2-Dichloropropane		mg/kg	<0 0055	<0 0053	<0 0052	<0 0055	<0 0056	<0.005
2-Butanone (MEK)		mg/kg	<0 022	<0 021	<0 021	<0 022	<0 023	<0 02
2-Chlorotoluene		mg/kg	<0 0055	<0 0053	<0.0052	<0 0055	<0 0056	<0.005
4-Chlorotoluene		mg/kg	<0.0055 M	<0 0053	<0 0052	<0 0055	<0 0056	<0 005
Acetone		mg/kg	0.011 F	0 0065 F	0 0082 F	<0 055	0.01 F	<0 05
Benzene		mg/kg	<0 0022	<0 0021	<0 0021	<0.0022	<0 0023	<0 002
Bromobenzene		mg/kg	<0 0055	<0 0053	<0 0052	<0 0055	<0 0056	<0 005
Bromochloromethane		mg/kg	<0 0055	<0 0053	<0.0052	<0 0055	<0 0056	<0.005
Bromodichloromethane		mg/kg	<0 0022	<0 0021	<0 0021	<0 0022	<0.0023	<0 002
Bromoform		mg/kg	<0 0066	<0 0064	<0 0062	<0 0066	<0 0068	<0.006
Bromomethane		mg/kg	<0 011 M	<0 011	<0 01	<0 011	<0 011	<0 01
Carbon disulfide		mg/kg	<0 0055	<0 0053	<0 0052	<0 0055	<0.0056	<0 005
Carbon tetrachloride		mg/kg	<0 0055	<0 0053	<0 0052	<0 0055	<0.0056	<0 005
Chlorobenzene		mg/kg	<0 0022	<0 0021	<0 0021	<0 0022	<0 0023	<0.002
Chloroethane		mg/kg	<0 0055	<0 0053	<0 0052	<0 0055	<0 0056	<0.005
Chloroform		mg/kg	<0 0022	<0 0021	<0.0021	<0.0022	<0 0023	<0 002
Chloromethane		mg/kg	<0 0055	<0 0053	<0.0052	<0.0055	<0 0056	<0.005
cis-1,2-Dichloroethene		mg/kg	0 0071	0 12	0.12	0 0061	0 015	0 073
cis-1,3-Dichloropropene		mg/kg	<0 0033	<0 0032	<0 0031	<0 0033	<0 0034	<0 003
Dibromochloromethane		mg/kg	<0 0033	<0 0032	<0 0031	<0 0033	<0.0034	<0 003
Dibromomethane		mg/kg	<0 0055	<0 0053	<0 0052	<0 0055	<0.0056	<0 005
Dichlorodifluoromethane		mg/kg	<0 0055	<0.0053	<0 0052	<0 0055	<0 0056	<0 005
Ethylbenzene		mg/kg	<0 0055 M	<0 0053	<0 0052	<0 0055	<0 0056	<0 005
Hexachlorobutadiene		mg/kg	<0 0033	<0 0032	<0 0031	<0 0033	<0 0034	<0 003
Isopropylbenzene		mg/kg	<0.0055 M	<0 0053	<0 0052	<0 0055	<0 0056	<0 005
Methyl isobutyl ketone (MIBK)		mg/kg	<0 022	<0 021	<0 021	<0 022	<0 023	<0.02
Methyl tert-butyl ether		mg/kg	<0 022	<0 021	<0 021	<0 022	<0 023	<0 02
Methylene chloride		mg/kg	<0 0055	<0 0053	0 001 F B	<0.0055	<0 0056	<0 005
m-Xylene & p-Xylene		mg/kg	<0 0055 M	<0 0053	<0.0052	<0.0055	<0 0056	<0 005
Naphthalene		mg/kg	<0 0055	<0 0053	<0 0052	<0 0055	<0 0056	<0 005
n-Butylbenzene		mg/kg	<0.0055 M	<0 0053	<0 0052	<0 0055	<0 0056	<0 005
n-Propylbenzene		mg/kg	<0 0055	<0.0053	<0.0052	<0 0055	<0 0056	<0 005
o-Xylene		mg/kg	<0 0055 M	<0 0053	<0 0052	<0 0055	<0 0056	<0 005
p-Isopropyltoluene		mg/kg	<0 0066 M	<0.0064	<0 0062	<0 0066	<0 0068	<0 006
sec-Butylbenzene		mg/kg	<0 0055	<0 0053	<0 0052	<0 0055	<0 0056	<0 005
Styrene		mg/kg	<0 0055	<0 0053	<0 0052	<0.0055	<0 0056	<0.005
tert-Butylbenzene		mg/kg	<0 0055	<0 0053	<0.0052	<0 0055	<0 0056	<0 005
Tetrachloroethene		mg/kg	<0 0055	<0 0053	<0.0052	<0 0055	<0 0056	<0 005
Toluene		mg/kg	<0 0055	<0 0053	<0 0052	<0 0055	<0 0056	<0 005
trans-1,2-Dichloroethene		mg/kg	<0.0055	0 0081	0 0085	0 00076 F	0.0015 F	0.011
trans-1,3-Dichloropropene		mg/kg	<0 0055	<0.0053	<0 0052	<0 0055	<0.0056	<0 005
Trichloroethene		mg/kg	0 0053 F M	0 063	0 059	0 01	0 021	0 093
Trichlorofluoromethane		mg/kg	<0 0055	<0 0053	<0 0052	<0 0055	<0 0056	<0 005
Vinyl chloride		mg/kg	<0 0055	<0 0053	<0 0052	<0.0055	<0 0056	<0 005
Xylenes (total)		mg/kg	<0 0044 M	<0 0042	<0 0042	<0 0044	<0 0045	<0 004

Notes:
< Result is less than laboratory detection limit
B: Method Blank Contamination
F Estimate -result >MDL and <RL
J. Estimated Result
M Concentration estimated due to matrix effect

TABLE E-14
BASELINE FLUVIAL SOIL, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Sample ID / Lab ID / Date	Units	VP-04-B D7E190141003 5/18/2007	VP-04-M D7E190141002 5/18/2007	VP-04-T D7E190141001 5/18/2007	VP-05-B D7E220170003 5/21/2007	VP-05-M D7E220170002 5/21/2007	VP-05-T D7E220170001 5/21/2007
1,1,1,2-Tetrachloroethane		mg/kg	<0 0032	<0 0033	<0 0033	<0 003	<0 0033	0 0011 F
1,1,1-Trichloroethane		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
1,1,2,2-Tetrachloroethane		mg/kg	0 03	0 04	0 017	0 34	0 75	0 41
1,1,2-Trichloroethane		mg/kg	<0 0053	0 0021 F	0 0023 F	<0 005	<0 0055	0 0021 F
1,1-Dichloroethane		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
1,1-Dichloroethene		mg/kg	<0 0063	<0 0066	<0 0065	<0 006	<0 0066	<0 006
1,1-Dichloropropene		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
1,2,3-Trichlorobenzene		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
1,2,3-Trichloropropane		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
1,2,4-Trichlorobenzene		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
1,2,4-Trimethylbenzene		mg/kg	<0 0063	<0 0066	<0 0065	<0 006	<0 0066	<0 006
1,2-Dibromo-3-chloropropane		mg/kg	<0 011	<0 011	<0 011	<0 01	<0 011	<0 01
1,2-Dibromoethane (EDB)		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
1,2-Dichlorobenzene		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
1,2-Dichloroethane		mg/kg	<0 0032	<0 0033	<0 0033	<0.003	<0 0033	<0 003
1,2-Dichloropropane		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
1,3,5-Trimethylbenzene		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
1,3-Dichlorobenzene		mg/kg	<0 0063	<0 0066	<0 0065	<0 006	<0 0066	<0 006
1,3-Dichloropropane		mg/kg	<0 0021	<0 0022	<0 0022	<0 002	<0 0022	<0 002
1,4-Dichlorobenzene		mg/kg	<0 0021	<0 0022	<0 0022	<0.002	<0 0022	<0 002
1-Chlorohexane		mg/kg	<0 0053	<0.0055	<0 0054	<0 005	<0 0055	<0 005
2,2-Dichloropropane		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
2-Butanone (MEK)		mg/kg	<0 021	<0 022	<0 022	<0 02	<0 022	<0 02
2-Chlorotoluene		mg/kg	<0 0053	<0 0055	<0 0054	<0.005	<0 0055	<0 005
4-Chlorotoluene		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
Acetone		mg/kg	<0 053	<0 055	<0 054	<0 05	<0 055	0 0092 F
Benzene		mg/kg	<0 0021	<0 0022	<0 0022	<0 002	<0 0022	<0 002
Bromobenzene		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
Bromochloromethane		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0.0055	<0 005
Bromodichloromethane		mg/kg	<0 0021	<0 0022	<0 0022	<0 002	<0 0022	<0 002
Bromoform		mg/kg	<0 0063	<0 0066	<0.0065	<0 006	<0 0066	<0 006
Bromomethane		mg/kg	<0 011	<0 011	<0 011	<0 01	<0 011	<0 01
Carbon disulfide		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
Carbon tetrachloride		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
Chlorobenzene		mg/kg	<0 0021	<0 0022	<0 0022	<0 002	<0 0022	<0 002
Chloroethane		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
Chloroform		mg/kg	<0 0021	<0 0022	<0 0022	<0.002	<0 0022	0 0014 F
Chloromethane		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
cis-1,2-Dichloroethene		mg/kg	0 0018 F	0 0095	0 0047 F	0 001 F	0 0021 F	0 05
cis-1,3-Dichloropropene		mg/kg	<0 0032	<0 0033	<0 0033	<0 003	<0 0033	<0 003
Dibromochloromethane		mg/kg	<0 0032	<0 0033	<0 0033	<0 003	<0 0033	<0 003
Dibromomethane		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
Dichlorodifluoromethane		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
Ethylbenzene		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
Hexachlorobutadiene		mg/kg	<0.0032	<0 0033	<0 0033	<0 003	<0 0033	0 0015 F
Isopropylbenzene		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
Methyl isobutyl ketone (MIBK)		mg/kg	<0 021	<0 022	<0 022	<0 02	<0 022	<0 02
Methyl tert-butyl ether		mg/kg	<0 021	<0 022	<0 022	<0 02	<0 022	<0 02
Methylene chloride		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	0 0011 F	<0 005
m-Xylene & p-Xylene		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
Naphthalene		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
n-Butylbenzene		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
n-Propylbenzene		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
o-Xylene		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
p-Isopropyltoluene		mg/kg	<0 0063	<0 0066	<0 0065	<0 006	<0 0066	<0 006
sec-Butylbenzene		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
Styrene		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
tert-Butylbenzene		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
Tetrachloroethene		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	0 0018 F	0 032
Toluene		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
trans-1,2-Dichloroethene		mg/kg	<0 0053	0 001 F	<0 0054	<0 005	0 00051 F	0 013
trans-1,3-Dichloropropene		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
Trichloroethene		mg/kg	0 0041 F	0 015	0 0035 F	0 049	0 091	0 67
Trichlorofluoromethane		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
Vinyl chloride		mg/kg	<0 0053	<0 0055	<0 0054	<0 005	<0 0055	<0 005
Xylenes (total)		mg/kg	<0 0042	<0 0044	<0 0043	<0 004	<0 0044	<0 004

Notes
< Result is less than laboratory detection limit
B Method Blank Contamination
F Estimate -result >MDL and <RL
J Estimated Result
M Concentration estimated due to matrix effect

TABLE E-14
BASELINE FLUVIAL SOIL, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Sample ID / Lab ID / Date	Units	VP-06-B D7E220170006 5/22/2007	VP-06-M D7E220170005 5/22/2007	VP-06-T D7E220170004 5/22/2007	VP-7-B D7F120176003 6/11/2007	VP-7-M D7F120176002 6/11/2007
1,1,1,2-Tetrachloroethane		mg/kg	<0 0031	<0 0033	<0 0029	<0 0042	<0 0032
1,1,1-Trichloroethane		mg/kg	<0 0051	<0 0055	<0 0049	<0 0069	<0 0054
1,1,2,2-Tetrachloroethane		mg/kg	6 1	1 3	1,9	0 018	0 038
1,1,2-Trichloroethane		mg/kg	0 0042 F	0 0016 F	0 0015 F	<0,0069	0 0012 F
1,1-Dichloroethane		mg/kg	<0 0051	<0 0055	<0 0049	<0 0069	<0,0054
1,1-Dichloroethene		mg/kg	<0 0062	<0 0066	<0 0059	<0 0083	<0 0065
1,1-Dichloropropene		mg/kg	<0 0051	<0 0055	<0,0049	<0 0069	<0,0054
1,2,3-Trichlorobenzene		mg/kg	<0 0051	<0 0055	<0,0049	<0 0069	<0 0054
1,2,3-Trichloropropane		mg/kg	<0 0051	<0 0055	<0 0049	<0 0069	<0 0054
1,2,4-Trichlorobenzene		mg/kg	<0 0051	<0 0055	<0 0049	<0,0069	<0,0054
1,2,4-Trimethylbenzene		mg/kg	<0 0062	<0 0066	<0 0059	<0 0083	<0,0065
1,2-Dibromo-3-chloropropane		mg/kg	<0 01	<0 011	<0 0098	<0 014	<0 011
1,2-Dibromoethane (EDB)		mg/kg	<0 0051	<0 0055	<0 0049	<0 0069	<0,0054
1,2-Dichlorobenzene		mg/kg	<0,0051	<0 0055	<0,0049	<0 0069	<0,0054
1,2-Dichloroethane		mg/kg	<0 0031	<0 0033	<0 0029	<0 0042	<0,0032
1,2-Dichloropropane		mg/kg	<0 0051	<0 0055	<0 0049	<0 0069	<0,0054
1,3,5-Trimethylbenzene		mg/kg	<0 0051	<0 0055	<0 0049	<0 0069	<0 0054
1,3-Dichlorobenzene		mg/kg	<0 0062	<0 0066	<0 0059	<0,0083	<0 0065
1,3-Dichloropropane		mg/kg	<0 0021	<0 0022	<0 002	<0 0028	<0 0022
1,4-Dichlorobenzene		mg/kg	<0 0021	<0 0022	<0,002	<0 0028	<0,0022
1-Chlorohexane		mg/kg	<0 0051	<0 0055	<0,0049	<0 0069	<0 0054
2,2-Dichloropropane		mg/kg	<0 0051	<0 0055	<0 0049	<0,0069	<0 0054
2-Butanone (MEK)		mg/kg	<0 021	<0 022	<0 02	<0 028	<0 022
2-Chlorotoluene		mg/kg	<0 0051	<0 0055	<0 0049	<0 0069	<0 0054
4-Chlorotoluene		mg/kg	<0 0051	<0 0055	<0 0049	<0 0069	<0 0054
Acetone		mg/kg	<0 051	<0 055	<0 049	<0,069	<0 054
Benzene		mg/kg	<0 0021	<0 0022	<0 002	<0 0028	<0,0022
Bromobenzene		mg/kg	<0 0051	<0 0055	<0 0049	<0 0069	<0,0054
Bromochloromethane		mg/kg	<0 0051	<0 0055	<0 0049	<0 0069	<0,0054
Bromodichloromethane		mg/kg	<0 0021	<0 0022	<0 002	<0 0028	<0,0022
Bromoform		mg/kg	<0 0062	<0 0066	<0 0059	<0,0083	<0 0065
Bromomethane		mg/kg	<0 01	<0 011	<0 0098	<0 014	<0,011
Carbon disulfide		mg/kg	<0 0051	<0 0055	<0 0049	<0 0069	<0 0054
Carbon tetrachloride		mg/kg	<0 0051	<0,0055	<0 0049	<0 0069	<0,0054
Chlorobenzene		mg/kg	<0 0021	<0 0022	<0 002	<0 0028	<0,0022
Chloroethane		mg/kg	<0 0051	<0 0055	<0 0049	<0 0069	<0 0054
Chloroform		mg/kg	<0 0021	<0 0022	<0 002	<0 0028	<0,0022
Chloromethane		mg/kg	<0 0051	<0,0055	<0 0049	<0 0069	<0,0054
cis-1,2-Dichloroethene		mg/kg	0 023	0,0073	0 0058	<0 0069	0 0033 F
cis-1,3-Dichloropropene		mg/kg	<0 0031	<0 0033	<0 0029	<0 0042	<0 0032
Dibromochloromethane		mg/kg	<0 0031	<0 0033	<0 0029	<0,0042	<0 0032
Dibromomethane		mg/kg	<0 0051	<0 0055	<0 0049	<0 0069	<0 0054
Dichlorodifluoromethane		mg/kg	<0 0051	<0 0055	<0 0049	<0,0069	<0 0054
Ethylbenzene		mg/kg	<0 0051	<0 0055	<0 0049	<0 0069	<0,0054
Hexachlorobutadiene		mg/kg	<0 0031	<0 0033	<0 0029	<0 0042	<0 0032
Isopropylbenzene		mg/kg	<0 0051	<0 0055	<0 0049	<0 0069	<0 0054
Methyl isobutyl ketone (MIBK)		mg/kg	<0 021	<0 022	<0 02	<0,028	<0 022
Methyl tert-butyl ether		mg/kg	<0,021	<0 022	<0 02	<0 028	<0 022
Methylene chloride		mg/kg	<0 0051	<0 0055	<0 0049	0 0014 F	0 00099 F
m-Xylene & p-Xylene		mg/kg	<0 0051	<0 0055	<0 0049	<0 0069	<0,0054
Naphthalene		mg/kg	0 00039 F B	0 00063 F B	<0 0049	<0 0069	<0,0054
n-Butylbenzene		mg/kg	<0 0051	<0 0055	<0 0049	<0 0069	<0 0054
n-Propylbenzene		mg/kg	<0 0051	<0 0055	<0 0049	<0 0069	<0 0054
o-Xylene		mg/kg	<0 0051	<0 0055	<0 0049	<0 0069	<0,0054
p-Isopropyltoluene		mg/kg	<0 0062	<0 0066	<0 0059	<0 0083	<0 0065
sec-Butylbenzene		mg/kg	<0 0051	<0 0055	<0 0049	<0 0069	<0 0054
Styrene		mg/kg	<0 0051	<0 0055	<0 0049	<0 0069	<0 0054
tert-Butylbenzene		mg/kg	<0 0051	<0 0055	<0 0049	<0 0069	<0 0054
Tetrachloroethene		mg/kg	0 0051	0 0011 F	0 002 F J	<0 0069	<0 0054
Toluene		mg/kg	<0 0051	<0 0055	<0 0049	<0 0069	<0 0054
trans-1,2-Dichloroethene		mg/kg	0 0067	0 0015 F	0 0012 F	<0 0069	<0 0054
trans-1,3-Dichloropropene		mg/kg	<0,0051	<0 0055	<0 0049	<0 0069	<0 0054
Trichloroethene		mg/kg	0 071 F	0 19	0 18 F	<0 0069	0 00087 F
Trichlorofluoromethane		mg/kg	<0 0051	<0 0055	<0 0049	<0,0069	<0 0054
Vinyl chloride		mg/kg	<0 0051	<0 0055	<0 0049	<0 0069	<0 0054
Xylenes (total)		mg/kg	<0 0041	<0 0044	<0 0039	<0 0056	<0 0043

Notes
< Result is less than laboratory detection limit
B Method Blank Contamination
F Estimate -result >MDL and <RL
J Estimated Result
M Concentration estimated due to matrix effect

TABLE E-14
BASELINE FLUVIAL SOIL, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Sample ID / Lab ID / Date	Units	VP-7-T D7F120176001 6/11/2007	VP-8-B D7F120176007 6/12/2007	VP-8-M D7F120176006 6/12/2007	VP-8-T D7F120176005 6/12/2007	VP-9-B D7F140234001 6/13/2007
1,1,1,2-Tetrachloroethane		mg/kg	<0 0034	<0 0034	<0 0031	<0 0032	<0 0034
1,1,1-Trichloroethane		mg/kg	<0 0057	<0 0057	<0.0051	<0 0053	<0.0057
1,1,2,2-Tetrachloroethane		mg/kg	0 024	0 065	0 15	0 1	0 01
1,1,2-Trichloroethane		mg/kg	0 0011 F	0 0013 F	0 0039 F	0.002 F	<0 0057
1,1-Dichloroethane		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
1,1-Dichloroethene		mg/kg	<0 0069	<0 0068	<0 0061	<0 0064	<0 0069
1,1-Dichloropropene		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
1,2,3-Trichlorobenzene		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
1,2,3-Trichloropropane		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
1,2,4-Trichlorobenzene		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
1,2,4-Trimethylbenzene		mg/kg	<0 0069	<0 0068	<0 0061	<0 0064	<0 0069
1,2-Dibromo-3-chloropropane		mg/kg	<0 011	<0 011	<0 01	<0 011	<0 011
1,2-Dibromoethane (EDB)		mg/kg	<0 0057	<0 0057	<0 0051	<0.0053	<0 0057
1,2-Dichlorobenzene		mg/kg	<0 0057	<0 0057	<0 0051	<0.0053	<0.0057
1,2-Dichloroethane		mg/kg	<0 0034	<0 0034	<0.0031	<0.0032	<0 0034
1,2-Dichloropropane		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0.0057
1,3,5-Trimethylbenzene		mg/kg	<0 0057	<0 0057	<0 0051	<0.0053	<0 0057
1,3-Dichlorobenzene		mg/kg	<0 0069	<0 0068	<0 0061	<0.0064	<0 0069
1,3-Dichloropropane		mg/kg	<0 0023	<0 0023	<0 002	<0 0021	<0 0023
1,4-Dichlorobenzene		mg/kg	<0 0023	<0 0023	<0 002	<0 0021	<0 0023
1-Chlorohexane		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
2,2-Dichloropropane		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
2-Butanone (MEK)		mg/kg	<0 023	<0 023	<0 02	<0.021	<0 023
2-Chlorotoluene		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0.0057
4-Chlorotoluene		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
Acetone		mg/kg	<0 057	<0 057	<0 051	<0 053	<0 057
Benzene		mg/kg	<0 0023	<0 0023	<0 002	<0 0021	<0 0023
Bromobenzene		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
Bromochloromethane		mg/kg	<0.0057	<0 0057	<0 0051	<0 0053	<0 0057
Bromodichloromethane		mg/kg	<0 0023	<0 0023	<0 002	<0 0021	<0 0023
Bromoform		mg/kg	<0 0069	<0 0068	<0 0061	<0 0064	<0 0069
Bromomethane		mg/kg	<0 011	<0 011	<0 01	<0 011	<0 011
Carbon disulfide		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
Carbon tetrachloride		mg/kg	0 00071 F	<0 0057	<0 0051	<0 0053	<0 0057
Chlorobenzene		mg/kg	<0 0023	<0 0023	<0 002	<0 0021	<0 0023
Chloroethane		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
Chloroform		mg/kg	0 0013 F	<0 0023	0 001 F	<0 0021	<0 0023
Chloromethane		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
cis-1,2-Dichloroethene		mg/kg	0 017	0 00078 F	0 0032 F	0 00097 F	<0 0057
cis-1,3-Dichloropropene		mg/kg	<0 0034	<0 0034	<0 0031	<0 0032	<0 0034
Dibromochloromethane		mg/kg	<0 0034	<0 0034	<0 0031	<0 0032	<0.0034
Dibromomethane		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
Dichlorodifluoromethane		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
Ethylbenzene		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
Hexachlorobutadiene		mg/kg	<0 0034	<0 0034	<0 0031	<0 0032	<0 0034
Isopropylbenzene		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
Methyl isobutyl ketone (MIBK)		mg/kg	<0 023	<0 023	<0 02	<0 021	<0 023
Methyl tert-butyl ether		mg/kg	<0 023	<0 023	<0 02	<0 021	<0 023
Methylene chloride		mg/kg	0 0011 F	<0 0057	<0 0051	<0 0053	<0 0057
m-Xylene & p-Xylene		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
Naphthalene		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
n-Butylbenzene		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
n-Propylbenzene		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
o-Xylene		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
p-Isopropyltoluene		mg/kg	<0 0069	<0 0068	<0 0061	<0 0064	<0 0069
sec-Butylbenzene		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
Styrene		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
tert-Butylbenzene		mg/kg	<0.0057	<0 0057	<0 0051	<0 0053	<0.0057
Tetrachloroethene		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
Toluene		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
trans-1,2-Dichloroethene		mg/kg	0 001 F	<0 0057	<0 0051	<0 0053	<0 0057
trans-1,3-Dichloropropene		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
Trichloroethene		mg/kg	0 0097	0 0014 F	0 0073	0 0011 F	<0 0057
Trichlorofluoromethane		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
Vinyl chloride		mg/kg	<0 0057	<0 0057	<0 0051	<0 0053	<0 0057
Xylenes (total)		mg/kg	<0 0046	<0 0046	<0 0041	<0 0042	<0 0046

Notes
< Result is less than laboratory detection limit
B Method Blank Contamination
F Estimate -result >MDL and <RL
J Estimated Result
M Concentration estimated due to matrix effect

TABLE E-14
BASELINE FLUVIAL SOIL, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Sample ID Lab ID Date Units	VP-9-M D7F120176009 6/12/2007	VP-9-T D7F120176008 6/12/2007	VP-10-B D7F140234004 6/13/2007	VP-10-M D7F140234003 6/13/2007	VP-10-T D7F140234002 6/13/2007
1,1,1,2-Tetrachloroethane	mg/kg	<0 003	<0.003	<0 0032	<0 0035	<0.0032
1,1,1-Trichloroethane	mg/kg	<0 005	<0 005	<0 0054	<0.0058	<0 0053
1,1,2,2-Tetrachloroethane	mg/kg	0 042	0 005	0 091	0 049	0 0024 F
1,1,2-Trichloroethane	mg/kg	0 0013 F	<0 005	0 0018 F	0 0016 F	<0.0053
1,1-Dichloroethane	mg/kg	<0 005	<0 005	<0 0054	<0 0058	<0 0053
1,1-Dichloroethene	mg/kg	<0 006	<0 006	<0 0065	<0 0069	<0.0064
1,1-Dichloropropene	mg/kg	<0.005	<0 005	<0 0054	<0 0058	<0.0053
1,2,3-Trichlorobenzene	mg/kg	<0 005	<0 005	<0 0054	<0 0058	<0 0053
1,2,3-Trichloropropane	mg/kg	<0 005	<0.005	<0 0054	<0 0058	<0.0053
1,2,4-Trichlorobenzene	mg/kg	<0 005	<0 005	<0 0054	<0 0058	<0 0053
1,2,4-Trimethylbenzene	mg/kg	<0 006	<0 006	<0 0065	<0 0069	<0 0064
1,2-Dibromo-3-chloropropane	mg/kg	<0 01	<0 01	<0 011	<0 012	<0 011
1,2-Dibromoethane (EDB)	mg/kg	<0.005	<0 005	<0.0054	<0 0058	<0 0053
1,2-Dichlorobenzene	mg/kg	<0.005	<0 005	<0 0054	<0 0058	<0 0053
1,2-Dichloroethane	mg/kg	<0.003	<0 003	<0 0032	<0 0035	<0 0032
1,2-Dichloropropane	mg/kg	<0.005	<0 005	<0 0054	<0 0058	<0 0053
1,3,5-Trimethylbenzene	mg/kg	<0 005	<0 005	<0 0054	<0 0058	<0 0053
1,3-Dichlorobenzene	mg/kg	<0 006	<0.006	<0 0065	<0 0069	<0.0064
1,3-Dichloropropane	mg/kg	<0 002	<0 002	<0 0022	<0 0023	<0 0021
1,4-Dichlorobenzene	mg/kg	<0.002	<0 002	<0 0022	<0 0023	<0 0021
1-Chlorohexane	mg/kg	<0 005	<0.005	<0 0054	<0 0058	<0 0053
2,2-Dichloropropane	mg/kg	<0 005	<0 005	<0 0054	<0 0058	<0 0053
2-Butanone (MEK)	mg/kg	<0 02	<0 02	<0 022	<0 023	<0.021
2-Chlorotoluene	mg/kg	<0 005	<0.005	<0 0054	<0.0058	<0 0053
4-Chlorotoluene	mg/kg	<0 005	<0 005	<0 0054	<0.0058	<0 0053
Acetone	mg/kg	<0 05	<0.05	<0 054	<0.058	<0 053
Benzene	mg/kg	<0 002	<0 002	<0 0022	<0 0023	<0 0021
Bromobenzene	mg/kg	<0 005	<0 005	<0 0054	<0 0058	<0 0053
Bromochloromethane	mg/kg	<0 005	<0 005	<0 0054	<0 0058	<0 0053
Bromodichloromethane	mg/kg	<0 002	<0.002	<0 0022	<0 0023	<0 0021
Bromoform	mg/kg	<0 006	<0 006	<0 0065	<0.0069	<0 0064
Bromomethane	mg/kg	<0 01	<0 01	<0 011	<0 012	<0 011
Carbon disulfide	mg/kg	<0 005	<0 005	<0 0054	<0 0058	<0 0053
Carbon tetrachloride	mg/kg	0 0017 F	0 00054 F	<0 0054	0.00076 F	0 00071 F
Chlorobenzene	mg/kg	<0.002	<0 002	<0 0022	<0 0023	<0.0021
Chloroethane	mg/kg	<0.005	<0 005	<0 0054	<0 0058	<0 0053
Chloroform	mg/kg	0 1	0 025	0 052	0 093	0 048
Chloromethane	mg/kg	<0.005	<0 005	<0 0054	<0.0058	<0 0053
cis-1,2-Dichloroethene	mg/kg	0 001 F	<0 005	<0 0054	<0 0058	<0 0053
cis-1,3-Dichloropropene	mg/kg	<0 003	<0 003	<0 0032	<0 0035	<0.0032
Dibromochloromethane	mg/kg	<0 003	<0 003	<0 0032	<0 0035	<0 0032
Dibromomethane	mg/kg	<0 005	<0 005	<0 0054	<0 0058	<0 0053
Dichlorodifluoromethane	mg/kg	<0.005	<0 005	<0 0054	<0 0058	<0 0053
Ethylbenzene	mg/kg	<0 005	<0 005	<0 0054	<0 0058	<0.0053
Hexachlorobutadiene	mg/kg	<0 003	<0 003	<0 0032	<0 0035	<0.0032
Isopropylbenzene	mg/kg	<0 005	<0 005	<0 0054	<0 0058	<0 0053
Methyl isobutyl ketone (MIBK)	mg/kg	<0.02	<0 02	<0 022	<0 023	<0.021
Methyl tert-butyl ether	mg/kg	<0 02	<0 02	<0 022	<0.023	<0 021
Methylene chloride	mg/kg	<0 005	<0 005	<0 0054	<0 0058	<0 0053
m-Xylene & p-Xylene	mg/kg	<0 005	<0 005	<0 0054	<0 0058	<0.0053
Naphthalene	mg/kg	<0 005	<0 005	<0 0054	<0 0058	<0 0053
n-Butylbenzene	mg/kg	<0.005	<0.005	<0 0054	<0 0058	<0 0053
n-Propylbenzene	mg/kg	<0 005	<0 005	<0 0054	<0 0058	<0 0053
o-Xylene	mg/kg	<0 005	<0 005	<0 0054	<0 0058	<0 0053
p-Isopropyltoluene	mg/kg	<0 006	<0 006	<0 0065	<0 0069	<0 0064
sec-Butylbenzene	mg/kg	<0 005	<0 005	<0 0054	<0 0058	<0 0053
Styrene	mg/kg	<0 005	<0 005	<0 0054	<0 0058	<0 0053
tert-Butylbenzene	mg/kg	<0 005	<0 005	<0 0054	<0 0058	<0 0053
Tetrachloroethene	mg/kg	<0 005	0 00091 F	<0 0054	<0 0058	<0 0053
Toluene	mg/kg	<0 005	<0 005	<0 0054	<0 0058	<0 0053
trans-1,2-Dichloroethene	mg/kg	<0.005	<0 005	<0 0054	<0 0058	<0 0053
trans-1,3-Dichloropropene	mg/kg	<0.005	<0 005	<0 0054	<0 0058	<0 0053
Trichloroethene	mg/kg	0 016	0 0052	0 0056	0 012	0 0068
Trichlorofluoromethane	mg/kg	<0 005	<0 005	<0 0054	<0 0058	<0 0053
Vinyl chloride	mg/kg	<0.005	<0 005	<0 0054	<0 0058	<0 0053
Xylenes (total)	mg/kg	<0.004	<0 004	<0 0043	<0 0046	<0 0043

Notes
< Result is less than laboratory detection limit
B Method Blank Contamination
F Estimate -result >MDL and <RL
J Estimated Result
M Concentration estimated due to matrix effect

TABLE E-14
BASELINE FLUVIAL SOIL SAMPLE, QA ANALYTICAL RESULTS, VOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

		Sample ID	TB-1-SARA-GW01	TB-5-SARA-GW01	TB-5-23-07	TRIP BLANK	TRIP BLANK-01
		Lab ID	D7E150213008	D7E170164010	D7E220170010	D7E300205004	D7F010153004
		Date	5/14/2007	5/16/2007	5/22/2007	5/30/2007	5/31/2007
Analyte	Method	Units					
1,1,1,2-Tetrachloroethane	8260B	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	8260B	ug/L	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	8260B	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	8260B	ug/L	<1	<1	<1	<1	<1
1,1-Dichloroethane	8260B	ug/L	<1	<1	<1	<1	<1
1,1-Dichloroethene	8260B	ug/L	<1	<1	<1	<1	<1
1,1-Dichloropropene	8260B	ug/L	<1	<1	<1	<1	<1
1,2,3-Trichlorobenzene	8260B	ug/L	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	8260B	ug/L	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	8260B	ug/L	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene	8260B	ug/L	<1	<1	<1	<1	<1
1,2-Dibromo-3-chloropropane (DBCP)	8260B	ug/L	<2	<2	<2	<2	<2
1,2-Dibromoethane (EDB)	8260B	ug/L	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	8260B	ug/L	<1	<1	<1	<1	<1
1,2-Dichloroethane	8260B	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	8260B	ug/L	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene	8260B	ug/L	<1	<1	<1	<1	<1
1,3-Dichlorobenzene	8260B	ug/L	<1	<1	<1	<1	<1
1,3-Dichloropropane	8260B	ug/L	<0.4	<0.4	<0.4	<0.4	<0.4
1,4-Dichlorobenzene	8260B	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1-Chlorohexane	8260B	ug/L	<1	<1	<1	<1	<1
2,2-Dichloropropane	8260B	ug/L	<1	<1	<1	<1	<1
2-Butanone (MEK)	8260B	ug/L	<10	<10	<10	<10	<10
2-Chlorotoluene	8260B	ug/L	<1	<1	<1	<1	<1
4-Chlorotoluene	8260B	ug/L	<1	<1	<1	<1	<1
Acetone	8260B	ug/L	<10	<10	<10	<10	<10
Benzene	8260B	ug/L	0.19	<0.4	<0.4	<0.4	<0.4
Bromobenzene	8260B	ug/L	<1	<1	<1	<1	<1
Bromochloromethane	8260B	ug/L	<1	<1	<1	<1	<1
Bromodichloromethane	8260B	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform	8260B	ug/L	<1	<1	<1	<1	0.66
Bromomethane	8260B	ug/L	<3	<3	<3	<3	<3
Carbon tetrachloride	8260B	ug/L	<1	<1	<1	<1	<1
Chlorobenzene	8260B	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	8260B	ug/L	<1	<1	<1	<1	<1
Chloroform	8260B	ug/L	<0.3	<0.3	<0.3	<0.3	0.26
Chloromethane	8260B	ug/L	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	8260B	ug/L	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	8260B	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	8260B	ug/L	<0.5	<0.5	<0.5	<0.5	0.3
Dibromomethane	8260B	ug/L	<1	<1	<1	<1	<1
Dichlorodifluoromethane	8260B	ug/L	<1	<1	<1	<1	<1
Ethylbenzene	8260B	ug/L	<1	<1	<1	<1	<1
Hexachlorobutadiene	8260B	ug/L	<0.6	<0.6	<0.6	<0.6	<0.6
Isopropylbenzene	8260B	ug/L	<1	<1	<1	<1	<1
Methyl isobutyl ketone (MIBK)	8260B	ug/L	<10	<10	<10	<10	<10
Methyl tert-butyl ether	8260B	ug/L	<5	<5	<5	<5	<5
Methylene chloride	8260B	ug/L	<2	0.4	1.4	<2	1.3
m-Xylene & p-Xylene	8260B	ug/L	<2	<2	<2	<2	<2
Naphthalene	8260B	ug/L	<1	<1	<1	<1	<1
n-Butylbenzene	8260B	ug/L	<1	<1	<1	<1	<1
n-Propylbenzene	8260B	ug/L	<1	<1	<1	<1	<1
o-Xylene	8260B	ug/L	<1	<1	<1	<1	<1
p-Isopropyltoluene	8260B	ug/L	<1	<1	<1	<1	<1
sec-Butylbenzene	8260B	ug/L	<1	<1	<1	<1	<1
Styrene	8260B	ug/L	<1	<1	<1	<1	<1
tert-Butylbenzene	8260B	ug/L	<1	<1	<1	<1	<1
Tetrachloroethene	8260B	ug/L	<1	<1	<1	<1	<1
Toluene	8260B	ug/L	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	8260B	ug/L	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	8260B	ug/L	<1	<1	<1	<1	<1
Trichloroethene	8260B	ug/L	<1	<1	<1	<1	<1
Trichlorofluoromethane	8260B	ug/L	<1	<1	<1	<1	<1
Vinyl chloride	8260B	ug/L	<1	<1	<1	<1	<1

Notes:
< Result is less than laboratory detection limit

TABLE E-14
BASELINE FLUVIAL SOIL SAMPLE, QA ANALYTICAL RESULTS, VOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Method	Sample ID Lab ID Date Units	TRIP BLANK-2-FSVE D7F050152003 6/4/2007	TB-3-FSVE D7F050152006 6/5/2007	TB-4-FSVE D7F070143003 6/6/2007	TB-5-FSVE D7F120176004 6/11/2007
1,1,1,2-Tetrachloroethane	8260B	ug/L	<0 5	<0 5	<0 5	<0 5
1,1,1-Trichloroethane	8260B	ug/L	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	8260B	ug/L	<0 5	<0 5	<0 5	<0 5
1,1,2-Trichloroethane	8260B	ug/L	<1	<1	<1	<1
1,1-Dichloroethane	8260B	ug/L	<1	<1	<1	<1
1,1-Dichloroethene	8260B	ug/L	<1	<1	<1	<1
1,1-Dichloropropene	8260B	ug/L	<1	<1	<1	<1
1,2,3-Trichlorobenzene	8260B	ug/L	<1	<1	<1	<1
1,2,3-Trichloropropane	8260B	ug/L	<1	<1	<1	<1
1,2,4-Trichlorobenzene	8260B	ug/L	<1	<1	<1	<1
1,2,4-Trimethylbenzene	8260B	ug/L	<1	<1	<1	<1
1,2-Dibromo-3-chloropropane (DBCP)	8260B	ug/L	<2	<2	<2	<2
1,2-Dibromoethane (EDB)	8260B	ug/L	<1	<1	<1	<1
1,2-Dichlorobenzene	8260B	ug/L	<1	<1	<1	<1
1,2-Dichloroethane	8260B	ug/L	<0 5	<0 5	<0 5	<0 5
1,2-Dichloropropane	8260B	ug/L	<1	<1	<1	<1
1,3,5-Trimethylbenzene	8260B	ug/L	<1	<1	<1	<1
1,3-Dichlorobenzene	8260B	ug/L	<1	<1	<1	<1
1,3-Dichloropropane	8260B	ug/L	<0 4	<0 4	<0 4	<0 4
1,4-Dichlorobenzene	8260B	ug/L	<0 5	<0 5	<0 5	<0 5
1-Chlorohexane	8260B	ug/L	<1	<1	<1	<1
2,2-Dichloropropane	8260B	ug/L	<1	<1	<1	<1
2-Butanone (MEK)	8260B	ug/L	<10	<10	<10	<10
2-Chlorotoluene	8260B	ug/L	<1	<1	<1	<1
4-Chlorotoluene	8260B	ug/L	<1	<1	<1	<1
Acetone	8260B	ug/L	<10	<10	<10	<10
Benzene	8260B	ug/L	<0 4	<0 4	<0 4	<0 4
Bromobenzene	8260B	ug/L	<1	<1.	<1	<1
Bromochloromethane	8260B	ug/L	<1	<1	<1	<1
Bromodichloromethane	8260B	ug/L	<0 5	<0 5	<0 5	<0 5
Bromoform	8260B	ug/L	<1	<1	<1	<1
Bromomethane	8260B	ug/L	<3	<3	<3	<3
Carbon tetrachloride	8260B	ug/L	<1	<1	<1	<1
Chlorobenzene	8260B	ug/L	<0 5	<0 5	<0 5	<0 5
Chloroethane	8260B	ug/L	<1	<1	<1	<1
Chloroform	8260B	ug/L	<0 3	<0 3	<0 3	<0 3
Chloromethane	8260B	ug/L	<1	<1	<1	<1
cis-1,2-Dichloroethene	8260B	ug/L	<1	<1	<1	<1
cis-1,3-Dichloropropene	8260B	ug/L	<0 5	<0 5	<0 5	<0 5
Dibromochloromethane	8260B	ug/L	<0 5	<0 5	<0 5	<0 5
Dibromomethane	8260B	ug/L	<1	<1	<1	<1
Dichlorodifluoromethane	8260B	ug/L	<1	<1	<1	<1
Ethylbenzene	8260B	ug/L	<1	<1	<1	<1
Hexachlorobutadiene	8260B	ug/L	<0 6	<0 6	<0 6	<0 6
Isopropylbenzene	8260B	ug/L	<1	<1	<1	<1
Methyl isobutyl ketone (MIBK)	8260B	ug/L	<10	<10	<10	<10
Methyl tert-butyl ether	8260B	ug/L	<5	<5	<5	<5
Methylene chloride	8260B	ug/L	1 1	0 94	1	0 86
m-Xylene & p-Xylene	8260B	ug/L	<2	<2	<2	<2
Naphthalene	8260B	ug/L	<1	<1	<1	<1
n-Butylbenzene	8260B	ug/L	<1	<1	<1	<1
n-Propylbenzene	8260B	ug/L	<1	<1	<1	<1
o-Xylene	8260B	ug/L	<1	<1	<1	<1
p-Isopropyltoluene	8260B	ug/L	<1	<1	<1	<1
sec-Butylbenzene	8260B	ug/L	<1	<1	<1	<1
Styrene	8260B	ug/L	<1	<1	<1	<1
tert-Butylbenzene	8260B	ug/L	<1	<1	<1	<1
Tetrachloroethene	8260B	ug/L	<1	<1	<1	<1
Toluene	8260B	ug/L	<1	<1	<1	<1
trans-1,2-Dichloroethene	8260B	ug/L	<1	<1	<1	<1
trans-1,3-Dichloropropene	8260B	ug/L	<1	<1	<1	<1
Trichloroethene	8260B	ug/L	<1	<1	<1	<1
Trichlorofluoromethane	8260B	ug/L	<1	<1	<1	<1
Vinyl chloride	8260B	ug/L	<1	<1	<1	<1

Notes
< Result is less than laboratory detection limit

TABLE E-14
BASELINE FLUVIAL SOIL SAMPLE, QA ANALYTICAL RESULTS, VOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Method	Sample ID Lab ID Date Units	TB-6-FSVE D7F120176010 6/12/2007	VP-RBI-FSVE D7F140230001 6/13/2007	VP-RB2-FSVE D7F140230002 6/13/2007	TB-7-FSVE D7F140230005 6/13/2007
1,1,1,2-Tetrachloroethane	8260B	ug/L	<0 5	<0 5	<0 5	<0 5
1,1,1-Trichloroethane	8260B	ug/L	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	8260B	ug/L	<0 5	<0 5	<0 5	<0 5
1,1,2-Trichloroethane	8260B	ug/L	<1	<1	<1	<1
1,1-Dichloroethane	8260B	ug/L	<1	<1	<1	<1
1,1-Dichloroethene	8260B	ug/L	<1	<1	<1	<1
1,1-Dichloropropene	8260B	ug/L	<1	<1	<1	<1
1,2,3-Trichlorobenzene	8260B	ug/L	<1	<1	<1	<1
1,2,3-Trichloropropane	8260B	ug/L	<1	<1	<1	<1
1,2,4-Trichlorobenzene	8260B	ug/L	<1	<1	<1	<1
1,2,4-Trimethylbenzene	8260B	ug/L	<1	<1	<1	<1
1,2-Dibromo-3-chloropropane (DBCP)	8260B	ug/L	<2	<2	<2	<2
1,2-Dibromoethane (EDB)	8260B	ug/L	<1	<1	<1	<1
1,2-Dichlorobenzene	8260B	ug/L	<1	<1	<1	<1
1,2-Dichloroethane	8260B	ug/L	<0 5	<0 5	<0 5	<0 5
1,2-Dichloropropane	8260B	ug/L	<1	<1	<1	<1
1,3,5-Trimethylbenzene	8260B	ug/L	<1	<1	<1	<1
1,3-Dichlorobenzene	8260B	ug/L	<1	<1	<1	<1
1,3-Dichloropropane	8260B	ug/L	<0 4	<0 4	<0 4	<0 4
1,4-Dichlorobenzene	8260B	ug/L	<0 5	<0 5	<0 5	<0 5
1-Chlorohexane	8260B	ug/L	<1	<1	<1	<1
2,2-Dichloropropane	8260B	ug/L	<1	<1	<1	<1
2-Butanone (MEK)	8260B	ug/L	<10	5 5	5 7	<10
2-Chlorotoluene	8260B	ug/L	<1	<1	<1	<1
4-Chlorotoluene	8260B	ug/L	<1	<1	<1	<1
Acetone	8260B	ug/L	<10	10	12	<10
Benzene	8260B	ug/L	<0 4	<0 4	<0 4	<0 4
Bromobenzene	8260B	ug/L	<1	<1	<1	<1
Bromochloromethane	8260B	ug/L	<1	<1	<1	<1
Bromodichloromethane	8260B	ug/L	<0 5	<0 5	<0 5	<0 5
Bromoform	8260B	ug/L	<1	<1	<1	<1
Bromomethane	8260B	ug/L	<3	<3	<3	<3
Carbon tetrachloride	8260B	ug/L	<1	<1	<1	<1
Chlorobenzene	8260B	ug/L	<0 5	<0 5	<0 5	<0 5
Chloroethane	8260B	ug/L	<1	<1	<1	<1
Chloroform	8260B	ug/L	<0 3	<0 3	<0 3	<0 3
Chloromethane	8260B	ug/L	<1	<1	<1	<1
cis-1,2-Dichloroethene	8260B	ug/L	<1	<1	<1	<1
cis-1,3-Dichloropropene	8260B	ug/L	<0 5	<0 5	<0 5	<0 5
Dibromochloromethane	8260B	ug/L	<0 5	<0 5	<0 5	<0 5
Dibromomethane	8260B	ug/L	<1	<1	<1	<1
Dichlorodifluoromethane	8260B	ug/L	<1	<1	<1	<1
Ethylbenzene	8260B	ug/L	<1	<1	<1	<1
Hexachlorobutadiene	8260B	ug/L	<0 6	<0 6	<0 6	<0 6
Isopropylbenzene	8260B	ug/L	<1	<1	<1	<1
Methyl isobutyl ketone (MIBK)	8260B	ug/L	<10	<10	<10	<10
Methyl tert-butyl ether	8260B	ug/L	<5	<5	<5	<5
Methylene chloride	8260B	ug/L	0 8	<2	<2	0 74
m-Xylene & p-Xylene	8260B	ug/L	<2	<2	<2	<2
Naphthalene	8260B	ug/L	<1	<1	<1	<1
n-Butylbenzene	8260B	ug/L	<1	<1	<1	<1
n-Propylbenzene	8260B	ug/L	<1	<1	<1	<1
o-Xylene	8260B	ug/L	<1	<1	<1	<1
p-Isopropyltoluene	8260B	ug/L	<1	<1	<1	<1
sec-Butylbenzene	8260B	ug/L	<1	<1	<1	<1
Styrene	8260B	ug/L	<1	<1	<1	<1
tert-Butylbenzene	8260B	ug/L	<1	<1	<1	<1
Tetrachloroethene	8260B	ug/L	<1	<1	<1	<1
Toluene	8260B	ug/L	<1	<1	<1	<1
trans-1,2-Dichloroethene	8260B	ug/L	<1	<1	<1	<1
trans-1,3-Dichloropropene	8260B	ug/L	<1	<1	<1	<1
Trichloroethene	8260B	ug/L	<1	<1	<1	<1
Trichlorofluoromethane	8260B	ug/L	<1	<1	<1	<1
Vinyl chloride	8260B	ug/L	<1	<1	<1	<1

Notes
< Result is less than laboratory detection limit

TABLE E-15
THERMAL SVE CONDENSATE INFLUENT SAMPLES, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Location	Influent Condensate	Influent Condensate	Influent Condensate	Influent Condensate	Influent Condensate	Influent Condensate
	Sample ID	TSVE-CW-6-16-08	TSVE-CW-6-26-08	TSVE-CW-7-10-08	TSVE-CW-7-23-08	TSVE-CW-8-8-08	TSVE-CW-8-22-08
	Lab ID	L08070375-01	L08060860-01	L08070282-01	L08070569-01	L08080216-01	L08080593-01
	Date	6/16/2008	6/26/2008	7/10/2008	7/23/2008	8/8/2008	8/22/2008
	Week	WEEK 4	WEEK 5	WEEK 7	WEEK 9	WEEK 11	WEEK 13
Analyte	Units						
1,1,1,2-Tetrachloroethane	ug/L	<25	0 952	1 68	<0 5	<50	0 674
1,1,1-Trichloroethane	ug/L	<50	<1	<1	<1	<100	<1
1,1,2,2-Tetrachloroethane	ug/L	13700	12600	10900	139	14300	7850
1,1,2-Trichloroethane	ug/L	32 6 F	24 8	26 2	<1	<100	9 55
1,1-Dichloroethane	ug/L	<50	<1	<1	<1	<100	<1
1,1-Dichloroethene	ug/L	<50	<1	<1	<1	<100	<1
1,1-Dichloropropene	ug/L	<50	<1	<1	<1	<100	<1
1,2,3-Trichlorobenzene	ug/L	9 21 F	<1	0 204 F	<1	<100	<1
1,2,3-Trichloropropane	ug/L	<50	<1	<1	<1	<100	<1
1,2,4-Trichlorobenzene	ug/L	<50	0 233 F	0 332 F	<1	<100	0 354 F
1,2,4-Trimethylbenzene	ug/L	<50	0 296 F	1 14	<1	<100	<1
1,2-Dibromo-3-chloropropane	ug/L	<100	<2	<2	<2	<200	<2
1,2-Dibromoethane	ug/L	<50	<1	<1	<1	<100	<1
1,2-Dichlorobenzene	ug/L	<50	<1	<1	<1	<100	<1
1,2-Dichloroethane	ug/L	<25	1 6	1 3	<0 5	<50	0 266 F
1,2-Dichloropropane	ug/L	<50	0 325 F	1 02	<1	<100	<1
1,3,5-Trimethylbenzene	ug/L	24 5 F	<1	0 356 F	<1	<100	<1
1,3-Dichlorobenzene	ug/L	<50	<1	<1	<1	<100	<1
1,3-Dichloropropane	ug/L	<20	<0 4	<0 4	<0 4	<40	<0 4
1,4-Dichlorobenzene	ug/L	<25	1.19	1 57	<0 5	<50	<0 5
1-Chlorohexane	ug/L	<50	<1	<1	<1	<100	<1
2,2-Dichloropropane	ug/L	<50	<1	<1	<1	<100	<1
2-Chlorotoluene	ug/L	<50	<1	<1	<1	<100	<1
2-Hexanone	ug/L	<500	<10	4 43 F	<10	<1000	3 57 F
4-Chlorotoluene	ug/L	<50	<1	<1	<1	<100	<1
Acetone	ug/L	1130	1410	1180	33 Q	4610 Q	4330
Benzene	ug/L	<20	1 73	3 06	<0 4	<40	1 34
Bromobenzene	ug/L	<50	<1	<1	<1	<100	<1
Bromochloromethane	ug/L	<50	<1	<1	<1	<100	<1
Bromodichloromethane	ug/L	<25	0 422 F	0 471 F	<0 5	<50	<0 5
Bromoform	ug/L	<50	<1	<1	<1	<100	<1
Bromomethane	ug/L	<50	<1	<1	<1	<100	<1
Carbon disulfide	ug/L	<50	<1	<1	<1	<100	0 805 F
Carbon tetrachloride	ug/L	21 8 F	3 83	3 32	<1	<100	0 824 F
Chlorobenzene	ug/L	<25	0 596	0 278 F	<0 5	19 8 F	0 333 F
Chloroethane	ug/L	<50	<1	<1	<1	<100	<1
Chloroform	ug/L	655	413	336	7 4	342	197
Chloromethane	ug/L	<50	<1	3 48	<1	<100	<1
cis-1,2-Dichloroethene	ug/L	222	123	173	2 41	220	88 6
cis-1,3-Dichloropropene	ug/L	<25	<0 5	<0 5	<0 5	<50	<0 5
Dibromochloromethane	ug/L	<25	<0 5	<0 5	<0 5	<50	<0 5
Dibromomethane	ug/L	<50	<1	<1	<1	<100	<1
Dichlorodifluoromethane	ug/L	<50	<1	<1	<1	<100	<1
Ethylbenzene	ug/L	<50	<1	<1	<1	<100	<1
Hexachlorobutadiene	ug/L	21 2 F	<0 6	<0 6	<0 6	<60	<0 6
Isopropylbenzene	ug/L	<50	<1	0 836 F	<1	<100	<1
m-,p-Xylene	ug/L	<100	<2	0 643 F	<2	<200	<2
MEK (2-Butanone)	ug/L	<500	1190	213	3 02 Q	<1000	<1000
Methyl t-butyl ether (MTBE)	ug/L	<250	<5	<5	<5	<500	<5
Methylene chloride	ug/L	12 9 F	1 67	2 82	0 366 F	<100	1 54
MIBK (methyl isobutyl ketone)	ug/L	<500	<10	3 42 F	<10	<1000	2 62 F
Naphthalene	ug/L	17 5 F	8 22	20	<1	<100	4 41
n-Butylbenzene	ug/L	28 1 F	<1	<1	<1	<100	<1
n-Propylbenzene	ug/L	<50	<1	<1	<1	<100	<1
o-Xylene	ug/L	<50	<1	0 489 F	<1	<100	<1
p-Isopropyltoluene	ug/L	28 9 F	0 302 F	0 551 F	<1	<100	<1
sec-Butylbenzene	ug/L	<50	<1	<1	<1	<100	<1
Styrene	ug/L	<50	<1	<1	<1	<100	<1
tert-Butylbenzene	ug/L	<50	<1	<1	<1	<100	<1
Tetrachloroethene	ug/L	35 9 F	5 52	14 2	<1	<100	9 71
Toluene	ug/L	<50	0 634 F	1 16	<1	<100	0 481 F
trans-1,2-Dichloroethene	ug/L	30 9 F	17 8	36 4	0 869 F	<100	16
trans-1,3-Dichloropropene	ug/L	<50	<1	<1	<1	<100	<1
Trichloroethene	ug/L	284	178	285	7,13	566	403
Trichlorofluoromethane	ug/L	<50	<1	<1	<1	<100	<1
Vinyl acetate	ug/L	<250	<5	<5	<5	<500	<5
Vinyl chloride	ug/L	<50	<1	1 7	<1	<100	<1

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
Q One or more quality control criteria failed
J Estimated Result

TABLE E-15
THERMAL SVE CONDENSATE INFLUENT SAMPLES, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Location	Influent Condensate	Influent Condensate	Influent Condensate	Influent Condensate	Influent Condensate
	Sample ID	TSVE-CW-9-8-08	TSVE-CW-9-19-08	TSVE-CW-100208	TSVE-CW-101708	TSVE-CW-11-25-08
	Lab ID	L08090166-01	L08090441-01	L08100125-01	L08100573-53	L08110784-01
	Date	9/8/2008	9/19/2008	10/2/2008	10/17/2008	11/26/2008
	Week	WEEK 15	WEEK 17	TSVE Interim	TSVE WEEK 19	TSVE WEEK 27
Analyte	Units					
1,1,1,2-Tetrachloroethane	ug/L	0 946 J	<25	<50	<0 5	<25
1,1,1-Trichloroethane	ug/L	<1	<50	<100	<1	<50
1,1,2,2-Tetrachloroethane	ug/L	2550	15000	384	162	150
1,1,2-Trichloroethane	ug/L	10 J	<50	<100	1 96	<50
1,1-Dichloroethane	ug/L	<1	<50	<100	<1	<50
1,1-Dichloroethene	ug/L	<1	<50	<100	<1	<50
1,1-Dichloropropene	ug/L	<1	<50	<100	<1	<50
1,2,3-Trichlorobenzene	ug/L	<1	<50	<100	<1	<50
1,2,3-Trichloropropane	ug/L	<1	<50	<100	<1	<50
1,2,4-Trichlorobenzene	ug/L	<1	<50	<100	<1	<50
1,2,4-Trimethylbenzene	ug/L	0 309 J	<50	<100	<1	<50
1,2-Dibromo-3-chloropropane	ug/L	<2	<100	<200	<2	<100
1,2-Dibromoethane	ug/L	<1	<50	<100	<1	<50
1,2-Dichlorobenzene	ug/L	<1	<50	<100	<1	<50
1,2-Dichloroethane	ug/L	0 413 J	<25	<50	<0 5	<25
1,2-Dichloropropane	ug/L	<1	<50	<100	<1	<50
1,3,5-Trimethylbenzene	ug/L	<1	<50	<100	<1	<50
1,3-Dichlorobenzene	ug/L	<1	<50	<100	<1	<50
1,3-Dichloropropane	ug/L	<0 4	<20	<40	<0 4	<20
1,4-Dichlorobenzene	ug/L	0 22 J	<25	<50	<0 5	<25
1-Chlorohexane	ug/L	<1	<50	<100	<1	<50
2,2-Dichloropropane	ug/L	<1	<50	<100	<1	<50
2-Chlorotoluene	ug/L	<1	<50	<100	<1	<50
2-Hexanone	ug/L	4 22 J	<500	<1000	3 F	<500
4-Chlorotoluene	ug/L	<1	<50	<100	<1	<50
Acetone	ug/L	4760	10200	9850	7840	12900 Q
Benzene	ug/L	4 87 J	<20	<40	1 02	<20
Bromobenzene	ug/L	<1	<50	<100	<1	<50
Bromochloromethane	ug/L	<1	<50	<100	<1	<50
Bromodichloromethane	ug/L	0 253 J	<25	<50	1 49	<25
Bromoform	ug/L	<1	<50	<100	<1	<50
Bromomethane	ug/L	<1	<50	<100	<1	<50
Carbon disulfide	ug/L	<1	<50	<100	2 48	<50
Carbon tetrachloride	ug/L	2 48 J	<50	<100	<1	<50
Chlorobenzene	ug/L	0 458 J	<25	<50	<0 5	<25
Chloroethane	ug/L	<1	<50	<100	<1	<50
Chloroform	ug/L	496	214	55 9	241	112
Chloromethane	ug/L	1 19 J	<50	<100	2 33	<50
cis-1,2-Dichloroethene	ug/L	123 J	120	54 3 F	31 3	23 F
cis-1,3-Dichloropropene	ug/L	<0 5	<25	<50	<0 5	<25
Dibromochloromethane	ug/L	<0 5	<25	<50	0 407 F	<25
Dibromomethane	ug/L	<1	<50	<100	<1	<50
Dichlorodifluoromethane	ug/L	<1	<50	<100	<1	<50
Ethylbenzene	ug/L	<1	<50	<100	<1	<50
Hexachlorobutadiene	ug/L	<0 6	<30	<60	<0 6	<30
Isopropylbenzene	ug/L	0 583 J	<50	<100	0 681 F	<50
m-,p-Xylene	ug/L	<2	<100	<200	<2	<100
MEK (2-Butanone)	ug/L	222 F	296 F	<1000	312 F	689
Methyl t-butyl ether (MTBE)	ug/L	<5	<250	<500	<5	<250
Methylene chloride	ug/L	1 8 J	<50	<100	0 534 F	<50
MIBK (methyl isobutyl ketone)	ug/L	3 52 J	<500	<1000	2 71 F	<500
Naphthalene	ug/L	2 4 J	<50	<100	1 6	<50
n-Butylbenzene	ug/L	<1	<50	<100	<1	<50
n-Propylbenzene	ug/L	<1	<50	<100	<1	<50
o-Xylene	ug/L	0 264 J	<50	<100	<1	<50
p-Isopropyltoluene	ug/L	<1	<50	<100	<1	<50
sec-Butylbenzene	ug/L	<1	<50	<100	<1	<50
Styrene	ug/L	<1	<50	<100	<1	<50
tert-Butylbenzene	ug/L	<1	<50	<100	<1	<50
Tetrachloroethene	ug/L	27 J	39 6 F	<100	225	<50
Toluene	ug/L	1 64 J	<50	<100	0 547 F	<50
trans-1,2-Dichloroethene	ug/L	20 4 J	15 1 F	<100	3 43	<50
trans-1,3-Dichloropropene	ug/L	<1	<50	<100	<1	<50
Trichloroethene	ug/L	581	2920	497	263	53 2
Trichlorofluoromethane	ug/L	<1	<50	<100	<1	<50
Vinyl acetate	ug/L	<5	<250	<500	<5	<250
Vinyl chloride	ug/L	0 394 J	<50	<100	<1	<50

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
Q One or more quality control criteria failed
J Estimated Result

TABLE E-15
THERMAL SVE CONDENSATE SAMPLES, QA ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID	TB-6-26-08	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK-8-22-08
	Lab ID	L08060860-02	L08070282-03	L08070569-02	L08080216-02	L08080593-02
	Date	6/26/2008	7/10/2008	7/23/2008	8/8/2008	8/22/2008
	Event	TSVE_E2 WEEK 5	TSVE WEEK 7	TSVE WEEK 9	TSVE WEEK 11	TSVE WEEK 13
Analyte	Units					
1,1,1,2-Tetrachloroethane	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5
1,1,1-Trichloroethane	ug/L	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5
1,1,2-Trichloroethane	ug/L	<1	<1	<1	<1	<1
1,1-Dichloroethane	ug/L	<1	<1	<1	<1	<1
1,1-Dichloroethene	ug/L	<1	<1	<1	<1	<1
1,1-Dichloropropene	ug/L	<1	<1	<1	<1	<1
1,2,3-Trichlorobenzene	ug/L	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	ug/L	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	ug/L	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene	ug/L	<1	<1	<1	<1	<1
1,2-Dibromo-3-chloropropane	ug/L	<2	<2	<2	<2	<2
1,2-Dibromoethane	ug/L	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	ug/L	<1	<1	<1	<1	<1
1,2-Dichloroethane	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5
1,2-Dichloropropane	ug/L	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene	ug/L	<1	<1	<1	<1	<1
1,3-Dichlorobenzene	ug/L	<1	<1	<1	<1	<1
1,3-Dichloropropane	ug/L	<0 4	<0 4	<0 4	<0 4	<0 4
1,4-Dichlorobenzene	ug/L	<0 5	<0 5	0 42 F	<0 5	<0 5
1-Chlorohexane	ug/L	<1	<1	<1	<1	<1
2,2-Dichloropropane	ug/L	<1	<1	<1	<1	<1
2-Chlorotoluene	ug/L	<1	<1	<1	<1	<1
2-Hexanone	ug/L	<10	<10	<10	<10	<10
4-Chlorotoluene	ug/L	<1	<1	<1	<1	<1
Acetone	ug/L	<10	<10	<10	<10	<10
Benzene	ug/L	<0 4	<0 4	<0 4	<0 4	<0 4
Bromobenzene	ug/L	<1	<1	<1	<1	<1
Bromochloromethane	ug/L	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5
Bromoform	ug/L	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1
Carbon disulfide	ug/L	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5
Chloroethane	ug/L	<1	<1	<1	<1	<1
Chloroform	ug/L	<0 3	<0 3	<0 3	<0 3	<0 3
Chloromethane	ug/L	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ug/L	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5
Dibromochloromethane	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5
Dibromomethane	ug/L	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1
Hexachlorobutadiene	ug/L	<0 6	<0 6	<0 6	<0 6	<0 6
Isopropylbenzene	ug/L	<1	<1	<1	<1	<1
m-,p-Xylene	ug/L	<2	<2	<2	<2	<2
MEK (2-Butanone)	ug/L	<10	<10	<10	<10	<10
Methyl t-butyl ether (MTBE)	ug/L	<5	<5	<5	<5	<5
Methylene chloride	ug/L	<1	<1	<1	<1	<1
MIBK (methyl isobutyl ketone)	ug/L	<10	<10	<10	<10	<10
Naphthalene	ug/L	<1	<1	<1	<1	<1
n-Butylbenzene	ug/L	<1	<1	<1	<1	<1
n-Propylbenzene	ug/L	<1	<1	<1	<1	<1
o-Xylene	ug/L	<1	<1	<1	<1	<1
p-Isopropyltoluene	ug/L	<1	<1	<1	<1	<1
sec-Butylbenzene	ug/L	<1	<1	<1	<1	<1
Styrene	ug/L	<1	<1	<1	<1	<1
tert-Butylbenzene	ug/L	<1	<1	<1	<1	<1
Tetrachloroethene	ug/L	<1	<1	<1	<1	<1
Toluene	ug/L	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ug/L	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	ug/L	<1	<1	<1	<1	<1
Trichloroethene	ug/L	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1
Vinyl acetate	ug/L	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1

Notes:
< Not detected above Reporting Limit (RL)
F. Concentration below RL
Q One or more quality control criteria failed

TABLE E-15
THERMAL SVE CONDENSATE SAMPLES, QA ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID	TRIP BLANK12-9-8-08	TB-09-19-08	TB-10-02-08	TB-101708-IS-5	TB-11-25-08
	Lab ID	L08090166-02	L08090441-02	L08100125-02	L08100573-40	L08110784-02
	Date	9/8/2008	9/19/2008	10/2/2008	10/17/2008	11/25/2008
	Event	TSVE WEEK 15	TSVE WEEK 17	TSVE Interim	TSVE WEEK 19	TSVE WEEK 27
Analyte	Units					
1,1,1,2-Tetrachloroethane	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5
1,1,1-Trichloroethane	ug/L	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5
1,1,2-Trichloroethane	ug/L	<1	<1	<1	<1	<1
1,1-Dichloroethane	ug/L	<1	<1	<1	<1	<1
1,1-Dichloroethene	ug/L	<1	<1	<1	<1	<1
1,1-Dichloropropene	ug/L	<1	<1	<1	<1	<1
1,2,3-Trichlorobenzene	ug/L	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	ug/L	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	ug/L	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene	ug/L	<1	<1	<1	<1	<1
1,2-Dibromo-3-chloropropane	ug/L	<2	<2	<2	<2	<2
1,2-Dibromoethane	ug/L	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	ug/L	<1	<1	<1	<1	<1
1,2-Dichloroethane	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5
1,2-Dichloropropane	ug/L	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene	ug/L	<1	<1	<1	<1	<1
1,3-Dichlorobenzene	ug/L	<1	<1	<1	<1	<1
1,3-Dichloropropane	ug/L	<0 4	<0 4	<0 4	<0 4	<0 4
1,4-Dichlorobenzene	ug/L	<0 5	0 141 F	<0 5	0 149 F	2 01
1-Chlorohexane	ug/L	<1	<1	<1	<1	<1
2,2-Dichloropropane	ug/L	<1	<1	<1	<1	<1
2-Chlorotoluene	ug/L	<1	<1	<1	<1	<1
2-Hexanone	ug/L	<10	<10	<10	<10	<10
4-Chlorotoluene	ug/L	<1	<1	<1	<1	<1
Acetone	ug/L	<10	<10	<10	<10	34 7 Q
Benzene	ug/L	<0 4	<0 4	<0 4	<0 4	0 329 F
Bromobenzene	ug/L	<1	<1	<1	<1	<1
Bromochloromethane	ug/L	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5
Bromoform	ug/L	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1
Carbon disulfide	ug/L	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5
Chloroethane	ug/L	<1	<1	<1	<1	<1
Chloroform	ug/L	<0 3	<0 3	<0 3	<0 3	<0 3
Chloromethane	ug/L	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ug/L	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5
Dibromochloromethane	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5
Dibromomethane	ug/L	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1
Hexachlorobutadiene	ug/L	<0 6	<0 6	<0 6	<0 6	<0 6
Isopropylbenzene	ug/L	<1	<1	<1	<1	<1
m-,p-Xylene	ug/L	<2	<2	<2	<2	<2
MEK (2-Butanone)	ug/L	<10	<10	<10	<10	7 6 F
Methyl t-butyl ether (MTBE)	ug/L	<5	<5	<5	<5	<5
Methylene chloride	ug/L	0 371 F	<1	<1	<1	<1
MIBK (methyl isobutyl ketone)	ug/L	<10	<10	<10	<10	<10
Naphthalene	ug/L	<1	<1	<1	<1	0 556 F
n-Butylbenzene	ug/L	<1	<1	<1	<1	<1
n-Propylbenzene	ug/L	<1	<1	<1	<1	<1
o-Xylene	ug/L	<1	<1	<1	<1	<1
p-Isopropyltoluene	ug/L	<1	<1	<1	<1	<1
sec-Butylbenzene	ug/L	<1	<1	<1	<1	<1
Styrene	ug/L	<1	<1	<1	<1	<1
tert-Butylbenzene	ug/L	<1	<1	<1	<1	<1
Tetrachloroethene	ug/L	<1	<1	<1	<1	<1
Toluene	ug/L	<1	<1	<1	<1	0 774 F
trans-1,2-Dichloroethene	ug/L	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	ug/L	<1	<1	<1	<1	<1
Trichloroethene	ug/L	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1
Vinyl acetate	ug/L	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
Q One or more quality control criteria failed

TABLE E-16
INTERIM GROUNDWATER, ANALYTICAL RESULTS, VOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Well ID	MW-03	MW-06	MW-07	MW-10	MW-15	MW-57	MW-68	MW-74
	Lab ID	L08080452-09	L08080452-01	L08080452-10	L08080452-11	L08080452-02	L08080452-03	L08080507-01	L08080452-04
	Date	8/19/2008	8/19/2008	8/19/2008	8/19/2008	8/19/2008	8/19/2008	8/20/2008	8/19/2008
Analyte	units								
1,1,1,2-Tetrachloroethane	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
1,1,1-Trichloroethane	ug/L	0 684 F	<1	0 712 F	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ug/L	0 425 F	8 1	<0 5	1 39	0 988	<0 5	<0 5	15 4
1,1,2-Trichloroethane	ug/L	<1	0 972 F	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	ug/L	0 329 F	<1	1 33	<1	<1	<1	<1	<1
1,1-Dichloroethene	ug/L	10 4	<1	26 8	<1	<1	<1	<1	<1
1,1-Dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dibromo-3-chloropropane	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
1,2-Dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ug/L	<0 5	<0 5	0 345 F	<0 5	0 258 F	<0 5	<0 5	<0 5
1,2-Dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,3-Dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,3-Dichloropropane	ug/L	<0 4	<0 4	<0 4	<0 4	<0 4	<0 4	<0 4	<0 4
1,4-Dichlorobenzene	ug/L	<0 5	<0.5	<0 5	0 134 F	<0 5	<0 5	0 266 F	<0 5
1-Chlorohexane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
2,2-Dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
2-Chlorotoluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
2-Hexanone	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
4-Chlorotoluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Acetone	ug/L	<10	<10	<10	<10	<10	<10	3 64 F	<10
Benzene	ug/L	<0 4	<0 4	<0 4	<0 4	<0 4	<0 4	<0 4	<0 4
Bromobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
Bromoform	ug/L	<1	<1	<1	<1	0 739 F	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	1 35	<1	<1	6 35	6 04	<1	<1
Chlorobenzene	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	0 229 F	29 4	0 288 F	0 373	33 4	12 6	<0 3	<0 3
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ug/L	0 348 F	23 1	0 282 F	0 691 F	3 07	<1	<1	<1
cis-1,3-Dichloropropene	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
Dibromochloromethane	ug/L	<0 5	<0 5	<0 5	<0 5	0 261 F	<0 5	<0 5	<0 5
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene	ug/L	<0 6	<0 6	<0 6	<0 6	<0 6	<0 6	<0 6	<0 6
Isopropylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
m-,p-Xylene	ug/L	<2	<2	<2	<2	<2	<2	<2	<2
MEK (2-Butanone)	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Methyl t-butyl ether (MTBE)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Methylene chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
MIBK (methyl isobutyl ketone)	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Naphthalene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
n-Butylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
n-Propylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
p-Isopropyltoluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
sec-Butylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
tert-Butylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ug/L	5 71	0 365 F	61 2	0 343 F	2 99	2 18	<1	0 474 F
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ug/L	<1	0 926 F	<1	<1	0 731 F	0 386 F	<1	<1
trans-1,3-Dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	ug/L	5 8	14 2	30 9	2 22	44 2	29 2	<1	3 64
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL

TABLE E-16
INTERIM GROUNDWATER, ANALYTICAL RESULTS, VOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Well ID	MW-132	MW-134	MW-172	MW-174	MW-175	MW-178	MW-179
	Lab ID	L08080452-12	L08080452-13	L08080433-06	L08080433-07	L08080433-08	L08080433-01	L08080433-02
	Date	8/19/2008	8/19/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008
Analyte	units							
1,1,1,2-Tetrachloroethane	ug/L	<0 5	<0 5	<0 5	<0.5	<0 5	<0 5	<0 5
1,1,1-Trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ug/L	0 599	<0 5	<0 5	1 4	<0 5	<0 5	<0 5
1,1,2-Trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
1,2-Dibromo-3-chloropropane	ug/L	<2	<2	<2	<2	<2	<2	<2
1,2-Dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
1,2-Dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
1,3-Dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
1,3-Dichloropropane	ug/L	<0 4	<0 4	<0 4	<0 4	<0 4	<0 4	<0 4
1,4-Dichlorobenzene	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
1-Chlorohexane	ug/L	<1	<1	<1	<1	<1	<1	<1
2,2-Dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1
2-Chlorotoluene	ug/L	<1	<1	<1	<1	<1	<1	<1
2-Hexanone	ug/L	<10	<10	<10	<10	<10	<10	<10
4-Chlorotoluene	ug/L	<1	<1	<1	<1	<1	<1	<1
Acetone	ug/L	<10	<10	<10	<10	2 57 F	<10	<10
Benzene	ug/L	<0 4	<0 4	<0 4	<0 4	<0 4	0 923	<0 4
Bromobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	0 13 F	<0 3	<0 3	0 345	0 496	0 135 F	0 125 F
Chloromethane	ug/L	<1	<1	<1	<1	0 293 F	0 362 F	<1
cis-1,2-Dichloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
Dibromochloromethane	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene	ug/L	<0 6	<0 6	<0 6	<0 6	<0 6	<0 6	<0 6
Isopropylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
m-,p-Xylene	ug/L	<2	<2	<2	<2	<2	<2	<2
MEK (2-Butanone)	ug/L	<10	<10	<10	<10	<10	<10	<10
Methyl t-butyl ether (MTBE)	ug/L	<5	<5	<5	<5	<5	<5	<5
Methylene chloride	ug/L	<1	<1	<1	<1	<1	<1	<1
MIBK (methyl isobutyl ketone)	ug/L	<10	<10	<10	<10	<10	<10	<10
Naphthalene	ug/L	<1	<1	<1	<1	<1	<1	<1
n-Butylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
n-Propylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
o-Xylene	ug/L	<1	<1	<1	<1	<1	<1	<1
p-Isopropyltoluene	ug/L	<1	<1	<1	<1	<1	<1	<1
sec-Butylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1
tert-Butylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ug/L	1 06	0 535 F	<1	<1	0 28 F	0 824 F	0 597 F
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	ug/L	0 305 F	<1	<1	<1	0 438 F	0 488 F	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL

TABLE E-16
INTERIM GROUNDWATER, ANALYTICAL RESULTS, VOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Well ID	MW-180	MW-187	MW-220	MW-220 DUP2	MW-221	MW-222	MW-223
	Lab ID	L08080507-04	L08080507-08	L08080507-05	L08080507-07	L08080507-06	L08080452-05	L08080433-03
	Date	8/20/2008	8/20/2008	8/20/2008	8/20/2008	8/20/2008	8/19/2008	8/18/2008
	units							
1,1,1,2-Tetrachloroethane	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
1,1,1-Trichloroethane	ug/L	<1	<1	0 465 F	0 48 F	<1	<1	<1
1,1,2,2-Tetrachloroethane	ug/L	1 35	<0 5	<0 5	<0 5	0 147 F	1 36	0 366 F
1,1,2-Trichloroethane	ug/L	<1	<1	<1	<1	<1	0 492 F	<1
1,1-Dichloroethane	ug/L	<1	<1	0 864 F	0 882 F	<1	<1	<1
1,1-Dichloroethene	ug/L	0 558 F	<1	37	40	<1	<1	<1
1,1-Dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
1,2-Dibromo-3-chloropropane	ug/L	<2	<2	<2	<2	<2	<2	<2
1,2-Dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ug/L	<0 5	<0 5	0 331 F	0 341 F	<0 5	0 448 F	<0 5
1,2-Dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
1,3-Dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
1,3-Dichloropropane	ug/L	<0 4	<0 4	<0 4	<0 4	<0 4	<0 4	<0 4
1,4-Dichlorobenzene	ug/L	0 181 F	0 137 F	<0 5	<0 5	<0 5	<0 5	<0 5
1-Chlorohexane	ug/L	<1	<1	<1	<1	<1	<1	<1
2,2-Dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1
2-Chlorotoluene	ug/L	<1	<1	<1	<1	<1	<1	<1
2-Hexanone	ug/L	<10	<10	<10	<10	<10	<10	<10
4-Chlorotoluene	ug/L	<1	<1	<1	<1	<1	<1	<1
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10
Benzene	ug/L	<0 4	<0 4	<0 4	<0 4	<0 4	<0 4	<0 4
Bromobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
Bromoform	ug/L	<1	0 766 F	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<0 3	0 139 F	0 201 F	0 219 F	<0 3	<0 3	0 252 F
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ug/L	<1	<1	<1	<1	<1	4 12	<1
cis-1,3-Dichloropropene	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
Dibromochloromethane	ug/L	<0 5	0 328 F	<0 5	<0 5	<0 5	<0 5	<0 5
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene	ug/L	<0 6	<0 6	<0 6	<0 6	<0 6	<0 6	<0 6
Isopropylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
m-,p-Xylene	ug/L	<2	<2	<2	<2	<2	<2	<2
MEK (2-Butanone)	ug/L	<10	<10	<10	<10	<10	<10	<10
Methyl t-butyl ether (MTBE)	ug/L	<5	<5	<5	<5	<5	<5	<5
Methylene chloride	ug/L	<1	<1	<1	<1	<1	<1	<1
MIBK (methyl isobutyl ketone)	ug/L	<10	<10	<10	<10	<10	<10	<10
Naphthalene	ug/L	<1	<1	<1	<1	<1	<1	<1
n-Butylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
n-Propylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
o-Xylene	ug/L	<1	<1	<1	<1	<1	<1	<1
p-Isopropyltoluene	ug/L	<1	<1	<1	<1	<1	<1	<1
sec-Butylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1
tert-Butylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ug/L	0 766 F	<1	16 4	17	<1	0 337 F	0 262 F
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	ug/L	0 978 F	<1	14 6	15 3	1 19	1 18	2 32
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL

TABLE E-16
INTERIM GROUNDWATER, ANALYTICAL RESULTS, VOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Well ID	MW-224	MW-224 DUP 3	MW-225	MW-226	MW-227	MW-227 DUP 1	MW-228
	Lab ID	L08080433-04	L08080433-05	L08080507-09	L08080507-10	L08080433-09	L08080433-11	L08080433-10
	Date	8/18/2008	8/18/2008	8/20/2008	8/20/2008	8/18/2008	8/18/2008	8/18/2008
	units							
1,1,1,2-Tetrachloroethane	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
1,1,1-Trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ug/L	<0 5	<0 5	13 9	<0 5	5 14	5.22	0.22 F
1,1,2-Trichloroethane	ug/L	<1	<1	<1	<1	0 538 F	0 516 F	<1
1,1-Dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
1,2-Dibromo-3-chloropropane	ug/L	<2	<2	<2	<2	<2	<2	<2
1,2-Dibromoethane	ug/L	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ug/L	<0 5	<0 5	<0 5	<0 5	0 768	0 824	<0 5
1,2-Dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
1,3-Dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
1,3-Dichloropropane	ug/L	<0 4	<0 4	<0 4	<0 4	<0 4	<0 4	<0 4
1,4-Dichlorobenzene	ug/L	<0 5	<0.5	<0 5	<0 5	0 138 F	<0 5	<0 5
1-Chlorohexane	ug/L	<1	<1	<1	<1	<1	<1	<1
2,2-Dichloropropane	ug/L	<1	<1	<1	<1	<1	<1	<1
2-Chlorotoluene	ug/L	<1	<1	<1	<1	<1	<1	<1
2-Hexanone	ug/L	<10	<10	<10	<10	<10	<10	<10
4-Chlorotoluene	ug/L	<1	<1	<1	<1	<1	<1	<1
Acetone	ug/L	<10	<10	<10	<10	<10	<10	<10
Benzene	ug/L	<0 4	<0 4	<0 4	<0 4	<0 4	<0 4	<0 4
Bromobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
Bromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1
Carbon disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	3.52	3 7	<1
Chlorobenzene	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0.5
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<0 3	<0 3	0 155 F	0 157 F	30 9	31 5	2 81
Chloromethane	ug/L	<1	<1	<1	<1	0 31 F	<1	<1
cis-1,2-Dichloroethene	ug/L	<1	<1	0 889 F	<1	2 89	2 95	<1
cis-1,3-Dichloropropene	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
Dibromochloromethane	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5	<0 5
Dibromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene	ug/L	<0 6	<0 6	<0 6	<0 6	<0 6	<0 6	<0 6
Isopropylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
m-,p-Xylene	ug/L	<2	<2	<2	<2	<2	<2	<2
MEK (2-Butanone)	ug/L	<10	<10	<10	<10	<10	<10	<10
Methyl t-butyl ether (MTBE)	ug/L	<5	<5	<5	<5	<5	<5	<5
Methylene chloride	ug/L	<1	<1	<1	<1	<1	<1	<1
MIBK (methyl isobutyl ketone)	ug/L	<10	<10	<10	<10	<10	<10	<10
Naphthalene	ug/L	<1	<1	<1	<1	<1	<1	<1
n-Butylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
n-Propylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
o-Xylene	ug/L	<1	<1	<1	<1	<1	<1	<1
p-Isopropyltoluene	ug/L	<1	<1	<1	<1	<1	<1	<1
sec-Butylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1
tert-Butylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ug/L	0 771 F	0 769 F	0 644 F	0 417 F	1 81	1 93	<1
Toluene	ug/L	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ug/L	<1	<1	<1	<1	0 37 F	0 358 F	<1
trans-1,3-Dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	ug/L	<1	<1	19 6	<1	28 4	28 7	0 911 F
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1	<1	<1
Vinyl acetate	ug/L	<5	<5	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1	<1	<1

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL

TABLE E-16
INTERIM GROUNDWATER, ANALYTICAL RESULTS, MNA
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

		Well ID	MW-03	MW-06	MW-07	MW-10	MW-10	MW-15
		Lab ID	L08080452-09	L08080452-01	L08080452-10	L08080452-11	L08080452-15	L08080452-02
		Date	8/19/2008	8/19/2008	8/19/2008	8/19/2008	8/19/2008	8/19/2008
Analyte	Method	Units						
Bromide	300	mg/L	<0 2	<0.8	<0.2	0.244		<0.2
Chloride	300	mg/L	34.8	415	15	4 4		18.8
Nitrate	300	mg/L	4 07	1.85 F	2.9	0.279 F		1.89
Nitrite	300	mg/L	<0.4	<1.6	<0.4	<0 4		<0.4
Sulfate	300	mg/L	45 7	28 1	52 8	59.3		59 3
Sulfide	376.1	mg/L	<1	<1	<1	0.706 F		<1
Alkalinity, Total	310.2	mg/L	95	26 4	78.8	101		76 2
Total Organic Carbon	9060MOD	mg/L	1.81	2.28	2.01	3.2*	3.14	2 44
Arsenic, Total	6010B\3005A	mg/L	<0.01	<0 01	<0 01	<0 01*	0.052	<0.01
Manganese, Total	6010B\3005A	mg/L	0.0057 F	4 81	0 0209	0 157*	0.277	0.0406
Selenium, Total	6010B\3005A	mg/L	<0 01	<0 02	<0.01	<0.01*	<0.01	<0 01
Carbon Dioxide	RSK175\5021	ug/L	93000	45000	66000	13000		87000
Ethane	RSK175\5021	ug/L	<5	<5	<5	<0.5		<5
Ethene	RSK175\5021	ug/L	<5	<5	<5	<0 5		<5
Methane	RSK175\5021	ug/L	9.1 B	12 B	4 B	3.2		15 B

Notes:
*. Fliltered Sample
<. Not detected above Reporting Limit (RL)
F: Concentration estimated below RL and above the MDL
M: Concentration estimated due to matrix effect
B Analyte found in method blank

10001364

TABLE E-16
INTERIM GROUNDWATER, ANALYTICAL RESULTS, MNA
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

		Well ID	MW-57	MW-68	MW-74	MW-132	MW-134	MW-172
		Lab ID	L08080452-03	L08080507-01	L08080452-04	L08080452-12	L08080452-13	L08080433-06
		Date	8/19/2008	8/20/2008	8/19/2008	8/19/2008	8/19/2008	8/18/2008
Analyte	Method	Units						
Bromide	300	mg/L	<0.2	<0.2	<0.2	<0.2	<0 2	<0.2
Chloride	300	mg/L	1.66	10 1	11 9	13	13 1	8.89
Nitrate	300	mg/L	0.323 F	4.56	1 34	5.42	4 95	3.26
Nitrite	300	mg/L	<0 4	<0.4	<0.4	<0.4	<0 4	<0.4
Sulfate	300	mg/L	22.7	25 1	25.5	25 8	30.5	15.1
Sulfide	376.1	mg/L	<1	<1	0.549 F	0 549 F	<1	<1
Alkalinity, Total	310.2	mg/L	41.6	59.6	59 3	51.8	56 2	39.3
Total Organic Carbon	9060MOD	mg/L	1 16	2.61*	1 38	1.31	1 15	1.88
Arsenic, Total	6010B\3005A	mg/L	<0.01	<0.01*	<0.01	<0.01	<0.01	<0 01
Manganese, Total	6010B\3005A	mg/L	0 00887 F	0.0124*	0 429	0.0616	0.248	0.0104
Selenium, Total	6010B\3005A	mg/L	<0.01	<0 01*	<0.01	<0 01	<0.01	0.00824 F
Carbon Dioxide	RSK175\5021	ug/L	77000	80000	58000	50000	27000	39000
Ethane	RSK175\5021	ug/L	<5	<5	<5	<5	<5	<5
Ethene	RSK175\5021	ug/L	<5	<5	<5	<5	<5	<5
Methane	RSK175\5021	ug/L	14 B	6.7 M	210 B	8.7 B	7 B	12

Notes
*: Fliltered Sample
< Not detected above Reporting Limit (RL)
F: Concentration estimated below RL and above the MDL
M Concentration estimated due to matrix effect
B: Analyte found in method blank

10001385

TABLE E-16
INTERIM GROUNDWATER, ANALYTICAL RESULTS, MNA
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

		Well ID	MW-174	MW-175	MW-178	MW-179	MW-180	MW-187
		Lab ID	L08080433-07	L08080433-08	L08080433-01	L08080433-02	L08080507-04	L08080507-08
		Date	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/20/2008	8/20/2008
Analyte	Method	Units						
Bromide	300	mg/L	<0.2	<0 2	<0.2	0 168 F	<0.2	<0.2
Chloride	300	mg/L	12	13.2	12 7	11 8	13.1	8.55
Nitrate	300	mg/L	3.04	3.77	5.15	5.9	4.72	4 3
Nitrite	300	mg/L	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Sulfate	300	mg/L	15.1	16 1	25.4	24.2	22.3	13.4
Sulfide	376.1	mg/L	<1	<1	<1	<1	0 604 F	<1
Alkalinity, Total	310.2	mg/L	50 2	37 3	50.4	57.9	55.8	60.9
Total Organic Carbon	9060MOD	mg/L	2 02	1 44	1.19	2.64	1.63	0.611 F
Arsenic, Total	6010B\3005A	mg/L	<0.01	<0.01	<0.01	<0.01	<0 01	<0.01
Manganese, Total	6010B\3005A	mg/L	<0.01	0.00531 F	0.00503 F	0.0218	0 0243	0.0304
Selenium, Total	6010B\3005A	mg/L	<0.01	<0.01	<0 01	<0.01	0.00746 F	<0.01
Carbon Dioxide	RSK175\5021	ug/L	36000	55000	54000	88000	78000	20000
Ethane	RSK175\5021	ug/L	<5	<5	<5	<5	<5	<0 5
Ethene	RSK175\5021	ug/L	<5	<5	<5	<5	<5	<0.5
Methane	RSK175\5021	ug/L	10	13	12	9.1	7.7 B	1.3

Notes:
*. Fliltered Sample
<· Not detected above Reporting Limit (RL)
F Concentration estimated below RL and above the MDL
M· Concentration estimated due to matrix effect
B. Analyte found in method blank

10001386

TABLE E-16
INTERIM GROUNDWATER, ANALYTICAL RESULTS, MNA
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Method	Well ID / Lab ID / Date	MW-220 L08080507-05 8/20/2008	MW-220 DUP2 L08080507-07 8/20/2008	MW-221 L08080507-06 8/20/2008	MW-222 L08080452-05 8/19/2008	MW-223 L08080433-03 8/18/2008	MW-224 L08080433-04 8/18/2008
Bromide	300	mg/L	<0.2	<0 2	0.17 F	<0 2	<0.2	<0.2
Chloride	300	mg/L	10.2	9 76	36 2	9.87	10.7	12.8
Nitrate	300	mg/L	2 38	2.4	4 97	0.792	4 21	5.54
Nitrite	300	mg/L	<0.4	<0.4	<0.4	<0 4	<0.4	<0.4
Sulfate	300	mg/L	44.3	44 5	31	8 57	35.5	22 5
Sulfide	376 1	mg/L	<1	<1	0.661 F	<1	<1	<1
Alkalinity, Total	310 2	mg/L	98.3	119	86.1	78	133	61 7
Total Organic Carbon	9060MOD	mg/L	2.38	1 93	2.42	4.47	2.4	1.8
Arsenic, Total	6010B\3005A	mg/L	<0 01	<0.01	<0.01	0.0193	<0 01	<0 01
Manganese, Total	6010B\3005A	mg/L	0.0302	0 0346	0 0159	1.47	0.135	0.0124
Selenium, Total	6010B\3005A	mg/L	<0 01	<0.01	<0.01	<0.02	0 00613 F	<0.01
Carbon Dioxide	RSK175\5021	ug/L	110000	74000	100000	24000	50000	64000
Ethane	RSK175\5021	ug/L	<5	<5	<5	<5	<5	<5
Ethene	RSK175\5021	ug/L	<5	<5	<5	<5	<5	<5
Methane	RSK175\5021	ug/L	13 B	8 B	13 B	1900 M	27	11

Notes:
* Filtered Sample
< Not detected above Reporting Limit (RL)
F Concentration estimated below RL and above the MDL
M Concentration estimated due to matrix effect
B Analyte found in method blank

10001397

TABLE E-16
INTERIM GROUNDWATER, ANALYTICAL RESULTS, MNA
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

		Well ID	MW-224 DUP 3	MW-225	MW-226	MW-227	MW-227 DUP 1	MW-228
		Lab ID	L08080433-05	L08080507-09	L08080507-10	L08080433-09	L08080433-11	L08080433-10
		Date	8/18/2008	8/20/2008	8/20/2008	8/18/2008	8/18/2008	8/18/2008
Analyte	Method	Units						
Bromide	300	mg/L	<0.2	<0 2	<0.2	<0.2	<0.2	<0.2
Chloride	300	mg/L	12.8	11.2	11	12.6	12.9	8.32
Nitrate	300	mg/L	5.56	1.93	3.5	2.35	2 36	3 07
Nitrite	300	mg/L	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Sulfate	300	mg/L	22.6	28 9	22.1	67.6	67.8	17.8
Sulfide	376 1	mg/L	<1	<1	<1	<1	<1	<1
Alkalinity, Total	310.2	mg/L	62 6	64.1	84.2	82	83.2	47.5
Total Organic Carbon	9060MOD	mg/L	3.69	0.864 F	1.03	2.77	2.6	2.08
Arsenic, Total	6010B\3005A	mg/L	<0 01	0.00603 F	<0.01	<0.01	<0 01	<0.01
Manganese, Total	6010B\3005A	mg/L	0.0115	0.601	1.18	<0.01	<0 01	<0 01
Selenium, Total	6010B\3005A	mg/L	<0.01	<0 01	<0.01	<0 01	<0.01	0.00688 F
Carbon Dioxide	RSK175\5021	ug/L	50000	89000	95000	44000	43000	42000
Ethane	RSK175\5021	ug/L	<5	<5	<5	<5	<5	<5
Ethene	RSK175\5021	ug/L	<5	<5	<5	<5	<5	<5
Methane	RSK175\5021	ug/L	11	230	7.1	10	11	14

Notes:
*: Filtered Sample
<: Not detected above Reporting Limit (RL)
F: Concentration estimated below RL and above the MDL
M: Concentration estimated due to matrix effect
B: Analyte found in method blank

10001388

TABLE E-16
INTERIM GROUNDWATER, QA ANALYTICAL RESULTS, VOCs
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

		Sample ID	TB-1-TSVE-GW01	TB-2-TSVE-GW01	TB-3-TSVE-GW01
		Lab ID	L08080433-12	L08080452-08	L08080507-11
		Date	8/18/2008	8/19/2008	8/20/2008
Analyte	Method	Units			
1,1,1,2-Tetrachloroethane	8260B	ug/L	<0 5	<0 5	<0 5
1,1,1-Trichloroethane	8260B	ug/L	<1	<1	<1
1,1,2,2-Tetrachloroethane	8260B	ug/L	<0 5	<0 5	<0 5
1,1,2-Trichloroethane	8260B	ug/L	<1	<1	<1
1,1-Dichloroethane	8260B	ug/L	<1	<1	<1
1,1-Dichloroethene	8260B	ug/L	<1	<1	<1
1,1-Dichloropropene	8260B	ug/L	<1	<1	<1
1,2,3-Trichlorobenzene	8260B	ug/L	<1	<1	<1
1,2,3-Trichloropropane	8260B	ug/L	<1	<1	<1
1,2,4-Trichlorobenzene	8260B	ug/L	<1	<1	<1
1,2,4-Trimethylbenzene	8260B	ug/L	<1	<1	<1
1,2-Dibromo-3-chloropropane	8260B	ug/L	<2	<2	<2
1,2-Dibromoethane	8260B	ug/L	<1	<1	<1
1,2-Dichlorobenzene	8260B	ug/L	<1	<1	<1
1,2-Dichloroethane	8260B	ug/L	<0 5	<0 5	<0 5
1,2-Dichloropropane	8260B	ug/L	<1	<1	<1
1,3,5-Trimethylbenzene	8260B	ug/L	<1	<1	<1
1,3-Dichlorobenzene	8260B	ug/L	<1	<1	<1
1,3-Dichloropropane	8260B	ug/L	<0 4	<0 4	<0 4
1,4-Dichlorobenzene	8260B	ug/L	<0 5	<0 5	<0 5
1-Chlorohexane	8260B	ug/L	<1	<1	<1
2,2-Dichloropropane	8260B	ug/L	<1	<1	<1
2-Chlorotoluene	8260B	ug/L	<1	<1	<1
2-Hexanone	8260B	ug/L	<10	<10	<10
4-Chlorotoluene	8260B	ug/L	<1	<1	<1
Acetone	8260B	ug/L	<10	<10	<10
Benzene	8260B	ug/L	<0 4	<0 4	<0 4
Bromobenzene	8260B	ug/L	<1	<1	<1
Bromochloromethane	8260B	ug/L	<1	<1	<1
Bromodichloromethane	8260B	ug/L	<0 5	<0 5	<0,5
Bromoform	8260B	ug/L	<1	<1	<1
Bromomethane	8260B	ug/L	<1	<1	<1
Carbon disulfide	8260B	ug/L	<1	<1	<1
Carbon tetrachloride	8260B	ug/L	<1	<1	<1
Chlorobenzene	8260B	ug/L	<0 5	<0 5	<0 5
Chloroethane	8260B	ug/L	<1	<1	<1
Chloroform	8260B	ug/L	<0 3	<0 3	<0 3
Chloromethane	8260B	ug/L	<1	0 369	<1
cis-1,2-Dichloroethene	8260B	ug/L	<1	<1	<1
cis-1,3-Dichloropropene	8260B	ug/L	<0 5	<0 5	<0 5
Dibromochloromethane	8260B	ug/L	<0 5	<0 5	<0 5
Dibromomethane	8260B	ug/L	<1	<1	<1
Dichlorodifluoromethane	8260B	ug/L	<1	<1	<1
Ethylbenzene	8260B	ug/L	<1	<1	<1
Hexachlorobutadiene	8260B	ug/L	<0 6	<0 6	<0 6
Isopropylbenzene	8260B	ug/L	<1	<1	<1
m-,p-Xylene	8260B	ug/L	<2	<2	<2
MEK (2-Butanone)	8260B	ug/L	<10	<10	<10
Methyl t-butyl ether (MTBE)	8260B	ug/L	<5	<5	<5
Methylene chloride	8260B	ug/L	<1	<1	<1
MIBK (methyl isobutyl ketone)	8260B	ug/L	<10	<10	<10
Naphthalene	8260B	ug/L	<1	<1	<1
n-Butylbenzene	8260B	ug/L	<1	<1	<1
n-Propylbenzene	8260B	ug/L	<1	<1	<1
o-Xylene	8260B	ug/L	<1	<1	<1
p-Isopropyltoluene	8260B	ug/L	<1	<1	<1
sec-Butylbenzene	8260B	ug/L	<1	<1	<1
Styrene	8260B	ug/L	<1	<1	<1
tert-Butylbenzene	8260B	ug/L	<1	<1	<1
Tetrachloroethene	8260B	ug/L	<1	<1	<1
Toluene	8260B	ug/L	<1	<1	<1
trans-1,2-Dichloroethene	8260B	ug/L	<1	<1	<1
trans-1,3-Dichloropropene	8260B	ug/L	<1	<1	<1
Trichloroethene	8260B	ug/L	<1	<1	<1
Trichlorofluoromethane	8260B	ug/L	<1	<1	<1
Vinyl acetate	8260B	ug/L	<5	<5	<5
Vinyl chloride	8260B	ug/L	<1	<1	<1

Notes
< Not detected above Reporting Limit (RL)

TABLE E-17
THREMAL SVE CONFIRMATION SOIL, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID	LSB-1-29-30	LSB-2-21-22	LSB-2-29-30	LSB-2-29-30	LSB-2-29-30 DUP1	LSB-3-26-27	LSB-4-10-11	LSB-4-10-11	LSB-4-10-11
	Lab ID	L08080451-01	L08080434-01	L08080434-02	L08090215-01	L08090215-19	L08090215-02	L08080434-05	L08090215-03	L08100125-03
	Date	8/19/2008	8/18/2008	8/18/2008	9/10/2008	9/10/2008	9/10/2008	8/18/2008	9/10/2008	10/2/2008
	Area	TA-1E	TA-1E	TA-1E	TA-1E	TA-1E	TA-1C	TA-1C	TA-1C	TA-1C
Analyte	Units	Rnd 1	Rnd 1	Rnd 1	Rnd 2	Rnd 2	Rnd 2	Rnd 1	Rnd 2	Rnd 3
1,1,1,2-Tetrachloroethane	mg/kg	<0 00254	<0 00311	0 00046 F	<0 00251	<0 00269	<0 00295	<0 284	<0 00274	<0 016
1,1,1-Trichloroethane	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	<0 0266
1,1,2,2-Tetrachloroethane	mg/kg	<0 00254	<0 00311	<0 00255	<0 00251	<0 00269	<0 00295	0 226 F	4 1	<0 016
1,1,2-Trichloroethane	mg/kg	<0 00424	<0 00518	0 0069	<0 00419	<0 00448	0 000508 F	<0 474	0 0189	0 00269 F
1,1-Dichloroethane	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	<0 0266
1,1-Dichloroethene	mg/kg	<0 00509	<0 00622	0 00324 F	<0 00503	<0 00538	<0 00591	<0 569	0 0237	0 00641 F
1,1-Dichloropropene	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	<0 0266
1,2,3-Trichlorobenzene	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	<0 0266
1,2,3-Trichloropropane	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	<0 0266
1,2,4-Trichlorobenzene	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	<0 0266
1,2,4-Trimethylbenzene	mg/kg	<0 00509	<0 00622	<0 00511	<0 00503	<0 00538	<0 00591	<0 569	0 00268 F	0 00463 F
chloropropane	mg/kg	<0 00848	<0 0104	<0 00851	<0 00838	<0 00896	<0 00985	<0 948	<0 00912	<0 0533
1,2-Dibromoethane	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	<0 0266
1,2-Dichlorobenzene	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	0 00382 F
1,2-Dichloroethane	mg/kg	<0 00254	<0 00311	0 00138 F	<0 00251	<0 00269	<0 00295	<0 284	<0 00274	<0 016
1,2-Dichloropropane	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	<0 0266
1,3,5-Trimethylbenzene	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	0 000681 F	<0 0266
1,3-Dichlorobenzene	mg/kg	<0 00509	<0 00622	<0 00511	<0 00503	<0 00538	<0 00591	<0 569	<0 00547	<0 032
1,3-Dichloropropane	mg/kg	<0 0017	<0 00207	<0 0017	<0 00168	<0 00179	<0 00197	<0 19	<0 00182	<0 0107
1,4-Dichlorobenzene	mg/kg	<0 0017	<0 00207	<0 0017	<0 00168	<0 00179	<0 00197	<0 19	<0 00182	<0 0107
1-Chlorohexane	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	<0 0266
2,2-Dichloropropane	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	<0 0266
2-Chlorotoluene	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	<0 0266
2-Hexanone	mg/kg	<0 017	<0 0207	<0 017	<0 0168	<0 0179	<0 0197	<1 9	<0 0182	<0 107
4-Chlorotoluene	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	<0 0266
Acetone	mg/kg	0 00905 F	0 0157 Q	0 0363 Q	<0 0168	<0 0179	0 205 Q	<1 9	0 321 Q	0 657
Benzene	mg/kg	<0 0017	<0 00207	<0 0017	<0 00168	<0 00179	<0 00197	<0 19	0 00135 F	<0 0107
Bromobenzene	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	<0 0266
Bromochloromethane	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	<0 0266
Bromodichloromethane	mg/kg	<0 0017	<0 00207	<0 0017	<0 00168	<0 00179	<0 00197	<0 19	<0 00182	<0 0107
Bromoform	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	<0 0266
Bromomethane	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	0 101 F	<0 00456	<0 0266
Carbon disulfide	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	0 00552	0 0032 F
Carbon tetrachloride	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	<0 0266
Chlorobenzene	mg/kg	<0 0017	<0 00207	<0 0017	<0 00168	<0 00179	<0 00197	<0 19	<0 00182	<0 0107
Chloroethane	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	<0 0266
Chloroform	mg/kg	<0 0017	<0 00207	0 00644	<0 00168	<0 00179	<0 00197	<0 19	<0 00182	<0 0107
Chloromethane	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	<0 0266
cis-1,2-Dichloroethene	mg/kg	<0 00424	<0 00518	0 286 F	<0 00419	<0 00448	0 132 F	4 79	25 1	19 8
cis-1,3-Dichloropropene	mg/kg	<0 00254	<0 00311	<0 00255	<0 00251	<0 00269	<0 00295	<0 284	<0 00274	<0 016
Dibromochloromethane	mg/kg	<0 00254	<0 00311	<0 00255	<0 00251	<0 00269	<0 00295	<0 284	<0 00274	<0 016
Dibromomethane	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	<0 0266
Dichlorodifluoromethane	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	<0 0266
Ethylbenzene	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	0 00144 F	<0 0266
Hexachlorobutadiene	mg/kg	<0 00254	<0 00311	<0 00255	<0 00251	<0 00269	<0 00295	<0 284	<0 00274	<0 016
Isopropylbenzene	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	<0 0266
m-,p-Xylene	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	0 00432 F	0 00452 F
MEK (2-Butanone)	mg/kg	<0 017	<0 0207	0 00257 F	<0 0168	<0 0179	0 00878 F	<1 9	0 0503	0 126 Q
Methyl t-butyl ether (MTBE)	mg/kg	<0 017	<0 0207	<0 017	<0 0168	<0 0179	<0 0197	<1 9	<0 0182	<0 107
Methylene chloride	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	0 00391 F	<0 0266
ketone)	mg/kg	<0 017	<0 0207	<0 017	<0 0168	<0 0179	<0 0197	<1 9	<0 0182	<0 107
Naphthalene	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	0 00103 F	<0 0266
n-Butylbenzene	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	<0 0266
n-Propylbenzene	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	0 000516 F	<0 0266
o-Xylene	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	0 00233 F	<0 0266
p-Isopropyltoluene	mg/kg	<0 00509	<0 00622	<0 00511	<0 00503	<0 00538	<0 00591	<0 569	0 00147 F	0 0044 F
sec-Butylbenzene	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	<0 0266
Styrene	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	<0 0266
tert-Butylbenzene	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	<0 0266
Tetrachloroethene	mg/kg	<0 00424	<0 00518	0 00122 F	<0 00419	<0 00448	<0 00492	<0 474	0 0105	0 022 F
Toluene	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	0 00315 F	<0 0266
Total Xylenes	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	0 00565	0 00452 F
trans-1,2-Dichloroethene	mg/kg	<0 00424	<0 00518	0 0229	<0 00419	<0 00448	0 00604	0 435 F	5 17	0 515
trans-1,3-Dichloropropene	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	<0 0266
Trichloroethene	mg/kg	<0 00424	<0 00518	0 225 F	<0 00419	<0 00448	0 0169	4 35	85 8	154
Trichlorofluoromethane	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	<0 00456	<0 0266
Vinyl acetate	mg/kg	<0 00848	<0 0104	<0 00851	<0 00838	<0 00896	<0 00985	<0 948	<0 00912	<0 0533
Vinyl chloride	mg/kg	<0 00424	<0 00518	<0 00426	<0 00419	<0 00448	<0 00492	<0 474	0 0283	<0 0266

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
Q One or more quality control criteria failed
J Estimated Result

TABLE E-17
THREMAL SVE CONFIRMATION SOIL, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID	LSB-4-10-11	LSB-4-10-11 DUP1	LSB-4-10-11	LSB-4-10-11	LSB-4-23-24	LSB-4-23-24	LSB-4-23-24	LSB-4-23-24	LSB-5-13-14
	Lab ID	L08100586-01	L08100586-10	L08110281-01	L08110451-01	L08080434-06	L08090215-04	L08100125-04	L08100586-02	L08090215-05
	Date	10/20/2008	10/20/2008	11/11/2008	11/17/2008	8/18/2008	9/10/2008	10/2/2008	10/20/2008	9/10/2008
	Area	TA-1C	TA-1C	TA-1C	TA-1C	TA-1C	TA-1C	TA-1C	TA-1C	TA-1C
Analyte	Units	Rnd 4	Rnd 4	Rnd 5	Rnd 6	Rnd 1	Rnd 2	Rnd 3	Rnd 4	Rnd 2
1,1,1,2-Tetrachloroethane	mg/kg	<3 44	<1 71	<0 00354	<0 00513	<0 00284	<0 00291	<0 0176	<0 00352	<0 00256
1,1,1-Trichloroethane	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
1,1,2,2-Tetrachloroethane	mg/kg	<3 44	<1 71	0 229 J	0 0049 J	0 0568	1 93	3 35	<0 00352	0 00341
1,1,2-Trichloroethane	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	0 00765	0 0171 F	<0 00586	<0 00426
1,1-Dichloroethane	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
1,1-Dichloroethene	mg/kg	<6 87	<3 42	<0 00708	<0 0103	<0 00568	<0 00583	<0 0351	<0 00703	0 00111 F
1,1-Dichloropropene	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
1,2,3-Trichlorobenzene	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
1,2,3-Trichloropropane	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
1,2,4-Trichlorobenzene	mg/kg	1 79 F	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
1,2,4-Trimethylbenzene	mg/kg	<6 87	<3 42	<0 00708	0 00278 J	<0 00568	<0 00583	<0 0351	<0 00703	0 000783 F
chloropropane	mg/kg	<11 5	<5 69	<0 0118	<0 0171	<0 00948	<0 00971	<0 0585	<0 0117	<0 00852
1,2-Dibromoethane	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
1,2-Dichlorobenzene	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
1,2-Dichloroethane	mg/kg	<3 44	<1 71	<0 00354	<0 00513	<0 00284	<0 00291	<0 0176	<0 00352	<0 00256
1,2-Dichloropropane	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
1,3,5-Trimethylbenzene	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
1,3-Dichlorobenzene	mg/kg	<6 87	<3 42	<0 00708	<0 0103	<0 00568	<0 00583	<0 0351	<0 00703	<0 00511
1,3-Dichloropropane	mg/kg	<2 29	<1 14	<0 00236	<0 00342	<0 00189	<0 00194	<0 0117	<0 00234	<0 0017
1,4-Dichlorobenzene	mg/kg	<2 29	<1 14	<0 00236	<0 00342	<0 00189	<0 00194	<0 0117	<0 00234	<0 0017
1-Chlorohexane	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
2,2-Dichloropropane	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
2-Chlorotoluene	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
2-Hexanone	mg/kg	<22 9	<11 4	0 0632 Q	0 0235 Q	<0 0189	<0 0194	<0 117	<0 0234	<0 017
4-Chlorotoluene	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
Acetone	mg/kg	<22 9	<11 4	0 448 Q	0 451	0 0379 Q	0 245 Q	0 19	0 0163 F	0 69 F
Benzene	mg/kg	<2 29	<1 14	<0 00236	<0 00342	<0 00189	<0 00194	<0 0117	<0 00234	<0 0017
Bromobenzene	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
Bromochloromethane	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
Bromodichloromethane	mg/kg	<2 29	<1 14	<0 00236	<0 00342	<0 00189	<0 00194	<0 0117	<0 00234	<0 0017
Bromoform	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
Bromomethane	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
Carbon disulfide	mg/kg	<5 73	<2 85	0 0026 Q	0 00115 Q	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
Carbon tetrachloride	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
Chlorobenzene	mg/kg	<2 29	<1 14	<0 00236	<0 00342	<0 00189	<0 00194	<0 0117	<0 00234	<0 0017
Chloroethane	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
Chloroform	mg/kg	<2 29	<1 14	<0 00236	<0 00342	<0 00189	<0 00194	<0 0117	<0 00234	<0 0017
Chloromethane	mg/kg	<5 73	1 86 F	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
cis-1,2-Dichloroethene	mg/kg	29 9	13 8	0 00556 F	0 00582 F	0 00203 F	0 0502	0 0383	0 00519 F	1 78
cis-1,3-Dichloropropene	mg/kg	<3 44	<1 71	<0 00354	<0 00513	<0 00284	<0 00291	<0 0176	<0 00352	<0 00256
Dibromochloromethane	mg/kg	<3 44	<1 71	<0 00354	<0 00513	<0 00284	<0 00291	<0 0176	<0 00352	<0 00256
Dibromomethane	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
Dichlorodifluoromethane	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
Ethylbenzene	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
Hexachlorobutadiene	mg/kg	<3 44	<1 71	<0 00354	<0 00513	<0 00284	<0 00291	<0 0176	<0 00352	<0 00256
Isopropylbenzene	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
m-,p-Xylene	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	0 000608 F
MEK (2-Butanone)	mg/kg	<22 9	<11 4	0 199 Q	0 189 J	<0 0189	0 0133 F	<0 117	<0 0234	0 0968
Methyl t-butyl ether (MTBE)	mg/kg	<22 9	<11 4	<0 0236	<0 0342	<0 0189	<0 0194	<0 117	<0 0234	<0 017
Methylene chloride	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
ketone)	mg/kg	<22 9	<11 4	0 0106 Q	0 00576 F	<0 0189	<0 0194	<0 117	<0 0234	<0 017
Naphthalene	mg/kg	1 34 F	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	0 00101 F
n-Butylbenzene	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
n-Propylbenzene	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
o-Xylene	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
p-Isopropyltoluene	mg/kg	<6 87	<3 42	<0 00708	<0 0103	<0 00568	<0 00583	<0 0351	<0 00703	<0 00511
sec-Butylbenzene	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
Styrene	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
tert-Butylbenzene	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
Tetrachloroethene	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	0 000807 F	<0 0293	<0 00586	0 0204
Toluene	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
Total Xylenes	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	0 000608 F
trans-1,2-Dichloroethene	mg/kg	4 2 F	2 36 F	0 00155 F	<0 00855	<0 00473	0 00562	<0 0293	0 00111 F	0 0783
trans-1,3-Dichloropropene	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
Trichloroethene	mg/kg	145	72 4	0 0336 J	0 00898 J	0 00426 F	0 098	0 229	0 0336	13 4
Trichlorofluoromethane	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	<0 00426
Vinyl acetate	mg/kg	<11 5	<5 69	<0 0118	<0 0171	<0 00948	<0 00971	<0 0585	<0 0117	<0 00852
Vinyl chloride	mg/kg	<5 73	<2 85	<0 0059	<0 00855	<0 00473	<0 00486	<0 0293	<0 00586	0 00153 F

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effe
Q One or more quality control criteria failed
J Estimated Result

TABLE E-17
THREMAL SVE CONFIRMATION SOIL, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID	LSB-5-13-14	LSB-5-13-14 DUP 1	LSB-5-13-14	LSB-5-18-19	LSB-6-6-7	LSB-6-6-7	LSB-7-11-12	LSB-8-7-8	LSB-9-28-29
	Lab ID	L08100125-05	L08100125-17	L08100586-03	L08090215-06	L08080434-07	L08090215-07	L08090215-08	L08090215-09	L08090247-01
	Date	10/2/2008	10/2/2008	10/20/2008	9/10/2008	8/18/2008	9/10/2008	9/10/2008	9/10/2008	9/11/2008
	Area	TA-1C	TA-1C	TA-1C	TA-1C	TA-1B	TA-1B	TA-1A	TA-1A	TA-2
Analyte	Units	Rnd 3	Rnd 3	Rnd 4	Rnd 2	Rnd 1	Rnd 2	Rnd 2	Rnd 2	Rnd 2
1,1,1 2-Tetrachloroethane	mg/kg	<0 0178	<0 017	<0 00327	<0 00277	<0 345	<0 00339	<0 00313	<0 00328	<0 00283
1,1,1-Trichloroethane	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
1,1,2,2-Tetrachloroethane	mg/kg	<0 0178	<0 017	<0 00327	<0 00277	<0 345	0 00267 J	<0 00313	<0 00328	<0 00283
1,1,2-Trichloroethane	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
1,1-Dichloroethane	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
1,1-Dichloroethene	mg/kg	<0 0356	0 00478 F	<0 00654	<0 00554	<0 69	<0 00679	<0 00627	<0 00657	<0 00565
1,1-Dichloropropene	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
1,2,3-Trichlorobenzene	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
1,2,3-Trichloropropane	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
1,2,4-Trichlorobenzene	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	0 00431 F	<0 00471
1,2,4-Trimethylbenzene	mg/kg	0 0036 F	0 0053 F	<0 00654	<0 00554	<0 69	0 000776 J	<0 00627	<0 00657	<0 00565
chloropropane	mg/kg	<0 0593	<0 0568	<0 0109	<0 00923	<1 15	<0 0113	<0 0104	<0 0109	<0 00942
1,2-Dibromoethane	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
1,2-Dichlorobenzene	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
1,2-Dichloroethane	mg/kg	<0 0178	<0 017	<0 00327	<0 00277	<0 345	<0 00339	<0 00313	<0 00328	<0 00283
1,2-Dichloropropane	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
1,3,5-Trimethylbenzene	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
1,3-Dichlorobenzene	mg/kg	<0 0356	<0 0341	<0 00654	<0 00554	<0 69	<0 00679	<0 00627	0 00113 F	<0 00565
1,3-Dichloropropane	mg/kg	<0 0119	<0 0114	<0 00218	<0 00185	<0 23	<0 00226	<0 00209	<0 00219	<0 00188
1,4-Dichlorobenzene	mg/kg	<0 0119	<0 0114	<0 00218	<0 00185	<0 23	<0 00226	<0 00209	<0 00219	<0 00188
1-Chlorohexane	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
2,2-Dichloropropane	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
2-Chlorotoluene	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
2-Hexanone	mg/kg	<0 119	<0 114	<0 0218	<0 0185	<2 3	<0 0226	<0 0209	<0 0219	<0 0188
4-Chlorotoluene	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
Acetone	mg/kg	0 553	0 888	0 9 M	0 103 Q	<2 3	1 1 F	1 77 F	0 0784 Q	0 0198 Q
Benzene	mg/kg	<0 0119	<0 0114	<0 00218	<0 00185	<0 23	0 00837 J	<0 00209	<0 00219	<0 00188
Bromobenzene	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
Bromochloromethane	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
Bromodichloromethane	mg/kg	<0 0119	<0 0114	<0 00218	<0 00185	<0 23	<0 00226	<0 00209	<0 00219	<0 00188
Bromoform	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
Bromomethane	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	0 162 F	<0 00566	<0 00522	<0 00547	<0 00471
Carbon disulfide	mg/kg	0 00355 F	0 00398 F	0 000986 F	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
Carbon tetrachloride	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
Chlorobenzene	mg/kg	<0 0119	<0 0114	<0 00218	<0 00185	2 79 F	0 168 J	<0 00209	<0 00219	<0 00188
Chloroethane	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
Chloroform	mg/kg	<0 0119	<0 0114	<0 00218	<0 00185	<0 23	<0 00226	<0 00209	0 00859	<0 00188
Chloromethane	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
cis-1,2-Dichloroethene	mg/kg	9 76	8 49	0 0875	<0 00462	0 0741 F	0 00546 J	0 00064 F	<0 00547	<0 00471
cis-1,3-Dichloropropene	mg/kg	<0 0178	<0 017	<0 00327	<0 00277	<0 345	<0 00339	<0 00313	<0 00328	<0 00283
Dibromochloromethane	mg/kg	<0 0178	<0 017	<0 00327	<0 00277	<0 345	<0 00339	<0 00313	<0 00328	<0 00283
Dibromomethane	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
Dichlorodifluoromethane	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
Ethylbenzene	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
Hexachlorobutadiene	mg/kg	<0 0178	<0 017	<0 00327	<0 00277	<0 345	<0 00339	<0 00313	<0 00328	<0 00283
Isopropylbenzene	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
m-,p-Xylene	mg/kg	<0 0296	0 00478 F	<0 00545	<0 00462	<0 575	0 00121 J	<0 00522	<0 00547	<0 00471
MEK (2-Butanone)	mg/kg	0 114 Q	0 153 Q	0 162	0 00944 F	<2 3	0 0377 J	0 0954	0 00305 F	<0 0188
Methyl t-butyl ether (MTBE)	mg/kg	<0 119	<0 114	<0 0218	<0 0185	<2 3	<0 0226	<0 0209	<0 0219	<0 0188
Methylene chloride	mg/kg	<0 0296	<0 0284	0 00279 F	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
ketone)	mg/kg	<0 119	<0 114	<0 0218	<0 0185	<2 3	<0 0226	<0 0209	<0 0219	<0 0188
Naphthalene	mg/kg	<0 0296	<0 0284	0 000648 F	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
n-Butylbenzene	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
n-Propylbenzene	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
o-Xylene	mg/kg	<0 0296	0 00315 F	<0 00545	<0 00462	<0 575	0 00075 J	<0 00522	<0 00547	<0 00471
p-Isopropyltoluene	mg/kg	<0 0356	<0 0341	<0 00654	<0 00554	<0 69	0 00086 J	<0 00627	<0 00657	<0 00565
sec-Butylbenzene	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
Styrene	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
tert-Butylbenzene	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
Tetrachloroethene	mg/kg	0 00761 F	0 0113 F	<0 00545	<0 00462	0 37 F	0 00971 J	<0 00522	<0 00547	<0 00471
Toluene	mg/kg	<0 0296	<0 0284	0 000895 F	<0 00462	<0 575	0 00258 J	<0 00522	<0 00547	<0 00471
Total Xylenes	mg/kg	<0 0296	0 00793 F	<0 00545	<0 00462	<0 575	0 00196 J	<0 00522	<0 00547	<0 00471
trans-1,2-Dichloroethene	mg/kg	0 313	0 798	0 00591	<0 00462	<0 575	0 0006 J	<0 00522	<0 00547	<0 00471
trans-1,3-Dichloropropene	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
Trichloroethene	mg/kg	33 2	17 3	0 0443	<0 00462	0 236 F	0 00862 J	0 00182 F	0 00131 F	<0 00471
Trichlorofluoromethane	mg/kg	<0 0296	<0 0284	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471
Vinyl acetate	mg/kg	<0 0593	<0 0568	<0 0109	<0 00923	<1 15	<0 0113	<0 0104	<0 0109	<0 00942
Vinyl chloride	mg/kg	<0 0296	0 00761 F	<0 00545	<0 00462	<0 575	<0 00566	<0 00522	<0 00547	<0 00471

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effe
Q One or more quality control criteria failed
J Estimated Result

TABLE E-17
THREMAL SVE CONFIRMATION SOIL, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID	LSB-10-19-20	LSB-11-29-30	LSB-11-29-30 DUP-2	LSB-12-29-30	LSB-13-29-30	LSB-14-13-14	LSB-14-13-14 DUP	LSB-14-29-30	LSB-14-29-30
	Lab ID	L08090247-04	L08090247-05	L08090247-15	L08080451-02	L08090247-06	L08080451-03	L08080451-13	L08080451-04	L08090247-07
	Date	9/11/2008	9/11/2008	9/11/2008	8/19/2008	9/11/2008	8/19/2008	8/19/2008	8/19/2008	9/11/2008
	Area	TA-2	TA-2	TA-2	TA-2	TA-2	TA-2	TA-2	TA-2	TA-2
Analyte	Units	Rnd 2	Rnd 2	Rnd 2	Rnd 1	Rnd 2	Rnd 1	Rnd 1	Rnd 1	Rnd 2
1,1,1,2-Tetrachloroethane	mg/kg	<0 00315	<0.00266	<0 00266	<0 0029	<0 00298	<0.003	<0 00296	<14 3	<5 57
1,1,1-Trichloroethane	mg/kg	<0 00525	<0.00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9 28
1,1,2,2-Tetrachloroethane	mg/kg	<0 00315	<0 00266	<0 00266	<0 0029	<0 00298	<0 003	<0.00296	<14 3	364
1,1,2-Trichloroethane	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9 28
1,1-Dichloroethane	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0.00493	<23 8	<9 28
1,1-Dichloroethene	mg/kg	<0 0063	<0 00531	<0 00532	<0 0058	<0.00596	<0 00599	<0 00591	<28.5	<11 1
1,1-Dichloropropene	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0.00493	<23 8	<9 28
1,2,3-Trichlorobenzene	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0.00493	<23 8	<9 28
1,2,3-Trichloropropane	mg/kg	<0.00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9 28
1,2,4-Trichlorobenzene	mg/kg	<0.00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9 28
1,2,4-Trimethylbenzene	mg/kg	<0.0063	<0 00531	<0 00532	<0.0058	<0 00596	<0.00599	<0 00591	<28 5	<11 1
chloropropane	mg/kg	<0 0105	<0 00886	<0 00886	<0 00967	<0 00993	<0 00999	<0.00986	<47 6	<18 6
1,2-Dibromoethane	mg/kg	<0.00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23.8	<9 28
1,2-Dichlorobenzene	mg/kg	<0 00525	<0 00443	<0 00443	<0.00484	<0 00496	<0 005	<0 00493	<23 8	<9 28
1,2-Dichloroethane	mg/kg	<0 00315	<0 00266	<0 00266	<0 0029	<0 00298	<0 003	<0 00296	<14 3	<5.57
1,2-Dichloropropane	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9 28
1 3 5-Trimethylbenzene	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9 28
1,3-Dichlorobenzene	mg/kg	<0 0063	<0 00531	<0 00532	<0 0058	<0 00596	<0.00599	<0 00591	<28.5	<11 1
1,3-Dichloropropane	mg/kg	<0 0021	<0.00177	<0 00177	<0 00193	<0 00199	<0 002	<0 00197	<9 51	<3 71
1,4-Dichlorobenzene	mg/kg	<0.0021	<0.00177	<0 00177	<0 00193	<0.00199	<0.002	<0 00197	<9 51	<3 71
1-Chlorohexane	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9 28
2,2-Dichloropropane	mg/kg	<0.00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0.00493	<23 8	<9 28
2-Chlorotoluene	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9 28
2-Hexanone	mg/kg	<0 021	<0 0177	<0 0177	<0 0193	<0 0199	<0 02	<0 0197	<95 1	<37 1
4-Chlorotoluene	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9 28
Acetone	mg/kg	0 019 Q	0 061 Q	0 0518 Q	<0 0193	<0 0199	1 35 Q	1 01 Q	177 Q	<37 1
Benzene	mg/kg	<0.0021	<0 00177	<0 00177	<0 00193	<0 00199	<0 002	<0 00197	<9 51	<3 71
Bromobenzene	mg/kg	<0 00525	<0 00443	<0 00443	<0.00484	<0 00496	<0 005	<0 00493	<23.8	<9 28
Bromochloromethane	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23.8	<9 28
Bromodichloromethane	mg/kg	<0 0021	<0 00177	<0.00177	<0 00193	<0 00199	<0 002	<0.00197	<9 51	<3 71
Bromoform	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9 28
Bromomethane	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9 28
Carbon disulfide	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9 28
Carbon tetrachloride	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9 28
Chlorobenzene	mg/kg	<0 0021	<0 00177	<0 00177	<0.00193	<0 00199	<0 002	<0 00197	<9 51	<3 71
Chloroethane	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0.00496	<0 005	<0 00493	<23 8	<9 28
Chloroform	mg/kg	<0 0021	<0 00177	<0 00177	<0 00193	<0.00199	<0 002	<0 00197	<9 51	<3 71
Chloromethane	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9 28
cis-1,2-Dichloroethene	mg/kg	<0 00525	<0 00443	<0 00443	0 00247 F	<0 00496	<0 005	<0 00493	<23 8	<9 28
cis-1,3-Dichloropropene	mg/kg	<0 00315	<0.00266	<0 00266	<0 0029	<0 00298	<0 003	<0 00296	<14 3	<5 57
Dibromochloromethane	mg/kg	<0 00315	<0 00266	<0 00266	<0 0029	<0 00298	<0 003	<0 00296	<14 3	<5 57
Dibromomethane	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9 28
Dichlorodifluoromethane	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9 28
Ethylbenzene	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	4 67 F	<9 28
Hexachlorobutadiene	mg/kg	<0 00315	<0 00266	<0 00266	<0 0029	<0 00298	<0 003	<0 00296	<14 3	<5 57
Isopropylbenzene	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9 28
m-,p-Xylene	mg/kg	<0 00525	<0 00443	<0.00443	<0 00484	<0 00496	<0 005	<0 00493	14 7 F	<9.28
MEK (2-Butanone)	mg/kg	<0.021	<0.0177	<0.0177	<0 0193	<0 0199	0 121	0 115	<95 1	<37 1
Methyl t-butyl ether (MTBE)	mg/kg	<0 021	<0.0177	<0.0177	<0 0193	<0 0199	<0 02	<0 0197	<95 1	<37 1
Methylene chloride	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9 28
ketone)	mg/kg	<0 021	<0 0177	<0 0177	<0.0193	<0 0199	<0.02	<0 0197	<95 1	<37 1
Naphthalene	mg/kg	<0.00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9 28
n-Butylbenzene	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9 28
n-Propylbenzene	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9 28
o-Xylene	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	2 72 F	<9 28
p-Isopropyltoluene	mg/kg	<0 0063	<0 00531	<0 00532	<0 0058	<0 00596	<0 00599	<0 00591	<28 5	<11 1
sec-Butylbenzene	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9 28
Styrene	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9 28
tert-Butylbenzene	mg/kg	<0.00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9.28
Tetrachloroethene	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	1 95 F
Toluene	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	41 3	<9 28
Total Xylenes	mg/kg	<0 00525	<0 00443	<0 00443	<0.00484	<0 00496	<0 005	<0 00493	17 4 F	<9 28
trans-1,2-Dichloroethene	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9 28
trans-1,3-Dichloropropene	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9 28
Trichloroethene	mg/kg	<0 00525	<0 00443	<0 00443	0 00773	<0 00496	<0 005	<0 00493	<23 8	115
Trichlorofluoromethane	mg/kg	<0 00525	<0 00443	<0.00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9.28
Vinyl acetate	mg/kg	<0 0105	<0 00886	<0 00886	<0.00967	<0 00993	<0 00999	<0 00986	<47 8	<18 6
Vinyl chloride	mg/kg	<0 00525	<0 00443	<0 00443	<0 00484	<0 00496	<0 005	<0 00493	<23 8	<9 28

Notes
< Not detected above Reporting Limit (RL)
F, Concentration below RL
M Concentration estimated due to matrix effe
Q One or more quality control criteria failed
J Estimated Result

TABLE E-17
THREMAL SVE CONFIRMATION SOIL, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID	LSB-14-29-30	LSB-15-29-30	LSB-16-15-16	LSB-16-15-16	LSB-16-25-26	LSB-16-25-26	LSB-16-25-26 DUP-3	LSB-17-28-29	LSB-18-27-28
	Lab ID	L08100125-06	L08090247-08	L08080451-05	L08090247-09	L08080451-06	L08090247-10	L08090247-16	L08080451-07	L08090272-01
	Date	10/2/2008	9/11/2008	8/19/2008	9/11/2008	8/19/2008	9/11/2008	9/11/2008	8/19/2008	9/12/2008
	Area	TA-2	TA-2	TA-2	TA-2	TA-2	TA-2	TA-2	TA-3	TA-3
Analyte	Units	Rnd 3	Rnd 2	Rnd 1	Rnd 2	Rnd 1	Rnd 2	Rnd 2	Rnd 1	Rnd 2
1,1,1,2-Tetrachloroethane	mg/kg	<0 00251	<0 00303	<0 00283	<0 00313	<0 28	<0 00289	<0 00282	<0 00286	<0 00271
1,1,1-Trichloroethane	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
1,1,2,2-Tetrachloroethane	mg/kg	<0 00251	<0 00303	0 0167	<0 00313	<0 28	<0 00289	<0 00282	<0 00286	<0 00271
1,1,2-Trichloroethane	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	0 000765 F	0 0013 F	<0 00477	0 0011 F
1,1-Dichloroethane	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
1,1-Dichloroethene	mg/kg	<0 00502	<0 00607	<0 00566	<0 00627	<0 56	<0 00579	<0 00564	<0 00573	<0 00542
1,1-Dichloropropene	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
1,2,3-Trichlorobenzene	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
1,2,3-Trichloropropane	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
1,2,4-Trichlorobenzene	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
1,2,4-Trimethylbenzene	mg/kg	<0 00502	<0 00607	<0 00566	<0 00627	<0 56	<0 00579	<0 00564	<0 00573	<0 00542
chloropropane	mg/kg	<0 00837	<0 0101	<0 00943	<0 0104	<0 933	<0 00965	<0 0094	<0 00954	<0 00904
1,2-Dibromoethane	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
1,2-Dichlorobenzene	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
1,2-Dichloroethane	mg/kg	<0 00251	<0 00303	<0 00283	<0 00313	<0 28	<0 00289	<0 00282	<0 00286	<0 00271
1,2-Dichloropropane	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
1,3,5-Trimethylbenzene	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
1,3-Dichlorobenzene	mg/kg	<0 00502	<0 00607	<0 00566	<0 00627	<0 56	<0 00579	<0 00564	<0 00573	<0 00542
1,3-Dichloropropane	mg/kg	<0 00167	<0 00202	<0 00189	<0 00209	<0 187	<0 00193	<0 00188	<0 00191	<0 00181
1,4-Dichlorobenzene	mg/kg	<0 00167	<0 00202	<0 00189	<0 00209	<0 187	<0 00193	<0 00188	<0 00191	<0 00181
1-Chlorohexane	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
2,2-Dichloropropane	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
2-Chlorotoluene	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
2-Hexanone	mg/kg	<0 0167	<0 0202	<0 0189	<0 0209	<1 87	<0 0193	<0 0188	<0 0191	<0 0181
4-Chlorotoluene	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
Acetone	mg/kg	0 0127 F	<0 0202	0 0524	<0 0209	<1 87	0 821 F	0 745 F	0 0122 F	<0 0181
Benzene	mg/kg	<0 00167	<0 00202	<0 00189	<0 00209	<0 187	<0 00193	<0 00188	<0 00191	<0 00181
Bromobenzene	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
Bromochloromethane	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
Bromodichloromethane	mg/kg	<0 00167	<0 00202	<0 00189	<0 00209	<0 187	<0 00193	<0 00188	<0 00191	<0 00181
Bromoform	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
Bromomethane	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
Carbon disulfide	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
Carbon tetrachloride	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	0 00135 J
Chlorobenzene	mg/kg	<0 00167	<0 00202	<0 00189	<0 00209	<0 187	<0 00193	<0 00188	<0 00191	<0 00181
Chloroethane	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
Chloroform	mg/kg	<0 00167	<0 00202	<0 00189	<0 00209	<0 187	<0 00193	<0 00188	<0 00191	0 0037
Chloromethane	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
cis-1,2-Dichloroethene	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	0 0028 F	0 00437 F	<0 00477	0 00612
cis-1,3-Dichloropropene	mg/kg	<0 00251	<0 00303	<0 00283	<0 00313	<0 28	<0 00289	<0 00282	<0 00286	<0 00271
Dibromochloromethane	mg/kg	<0 00251	<0 00303	<0 00283	<0 00313	<0 28	<0 00289	<0 00282	<0 00286	<0 00271
Dibromomethane	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
Dichlorodifluoromethane	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
Ethylbenzene	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
Hexachlorobutadiene	mg/kg	<0 00251	<0 00303	<0 00283	<0 00313	<0 28	<0 00289	<0 00282	<0 00286	<0 00271
Isopropylbenzene	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
m-,p-Xylene	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
MEK (2-Butanone)	mg/kg	<0 0167	<0 0202	<0 0189	<0 0209	<1 87	0 0225	0 0252	<0 0191	<0 0181
Methyl t-butyl ether (MTBE)	mg/kg	<0 0167	<0 0202	<0 0189	<0 0209	<1 87	<0 0193	<0 0188	<0 0191	<0 0181
Methylene chloride	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
ketone)	mg/kg	<0 0167	<0 0202	<0 0189	<0 0209	<1 87	<0 0193	<0 0188	<0 0191	<0 0181
Naphthalene	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
n-Butylbenzene	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
n-Propylbenzene	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
o-Xylene	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
p-Isopropyltoluene	mg/kg	<0 00502	<0 00607	<0 00566	<0 00627	<0 56	<0 00579	<0 00564	<0 00573	<0 00542
sec-Butylbenzene	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
Styrene	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
tert-Butylbenzene	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
Tetrachloroethene	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	0 00182 F	0 00256 F	<0 00477	<0 00452
Toluene	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
Total Xylenes	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
trans-1 2-Dichloroethene	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	0 00056 F	0 000824 F	<0 00477	0 00161 F
trans-1,3-Dichloropropene	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
Trichloroethene	mg/kg	<0 00419	<0 00506	0 00335 F	<0 00522	2 32	0 417 F	0 434 F	<0 00477	0 041
Trichlorofluoromethane	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	<0 00452
Vinyl acetate	mg/kg	<0 00837	<0 0101	<0 00943	<0 0104	<0 933	<0 00965	<0 0094	<0 00954	<0 00904
Vinyl chloride	mg/kg	<0 00419	<0 00506	<0 00472	<0 00522	<0 466	<0 00482	<0 0047	<0 00477	0 00363 J

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effe
Q One or more quality control criteria failed
J Estimated Result

TABLE E-17
THREMAL SVE CONFIRMATION SOIL ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID	LSB-19-12-13	LSB-19-27-28	LSB-19-27-28	LSB-20-12-13	LSB-21-27-28	LSB-22-2-3	LSB-22-22-23	LSB-23-2-3	LSB-23-14-15
	Lab ID	L08080503-01	L08080503-02	L08090272-02	L08090272-03	L08080503-03	L08090272-04	L08090272-05	L08080451-08	L08080451-09
	Date	8/20/2008	8/20/2008	9/12/2008	9/12/2008	8/20/2008	9/12/2008	9/12/2008	8/19/2008	8/19/2008
	Area	TA-3	TA-3	TA-3	TA-3	TA-3	TA-4	TA-4	TA-4	TA-4
Analyte	Units	Rnd 1	Rnd 1	Rnd 2	Rnd 2	Rnd 1	Rnd 2	Rnd 2	Rnd 1	Rnd 1
1,1,1,2-Tetrachloroethane	mg/kg	<0.00313	<0.0027	<0.00269	<0.003	<0.00274	<0.00313	<0.00314	<0.00306	<0.00314
1,1,1-Trichloroethane	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
1,1,2,2-Tetrachloroethane	mg/kg	<0.00313	0.00164 F	<0.00269	<0.003	<0.00274	0.00429	<0.00314	<0.00306	<0.00314
1,1,2-Trichloroethane	mg/kg	<0.00522	0.00139 F	0.00147 F	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
1,1-Dichloroethane	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
1,1-Dichloroethene	mg/kg	<0.00626	<0.0054	<0.00539	<0.00599	<0.00548	<0.00625	<0.00627	<0.00612	<0.00628
1,1-Dichloropropene	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
1,2,3-Trichlorobenzene	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
1,2,3-Trichloropropane	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
1,2,4-Trichlorobenzene	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
1,2,4-Trimethylbenzene	mg/kg	<0.00626	<0.0054	<0.00539	<0.00599	0.00057 F	<0.00625	<0.00627	<0.00612	<0.00628
chloropropane	mg/kg	<0.0104	<0.00901	<0.00898	<0.00999	<0.00913	<0.0104	<0.0105	<0.0102	<0.0105
1,2-Dibromoethane	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
1,2-Dichlorobenzene	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
1,2-Dichloroethane	mg/kg	<0.00313	<0.0027	<0.00269	<0.003	<0.00274	<0.00313	<0.00314	<0.00306	<0.00314
1,2-Dichloropropane	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
1,3,5-Trimethylbenzene	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
1,3-Dichlorobenzene	mg/kg	<0.00626	<0.0054	<0.00539	<0.00599	<0.00548	<0.00625	<0.00627	<0.00612	<0.00628
1,3-Dichloropropane	mg/kg	<0.00209	<0.0018	<0.0018	<0.002	<0.00183	<0.00208	<0.00209	<0.00204	<0.00209
1,4-Dichlorobenzene	mg/kg	<0.00209	<0.0018	<0.0018	<0.002	<0.00183	<0.00208	<0.00209	<0.00204	<0.00209
1-Chlorohexane	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
2,2-Dichloropropane	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
2-Chlorotoluene	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
2-Hexanone	mg/kg	<0.0209	<0.018	<0.018	<0.02	<0.0183	<0.0208	<0.0209	<0.0204	<0.0209
4-Chlorotoluene	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
Acetone	mg/kg	0.985 Q	0.00612 F	0.0132 F	0.157	0.108	0.0143 F	0.114	0.0303	0.234
Benzene	mg/kg	<0.00209	<0.0018	<0.0018	<0.002	<0.00183	<0.00208	<0.00209	<0.00204	<0.00209
Bromobenzene	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
Bromochloromethane	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
Bromodichloromethane	mg/kg	<0.00209	<0.0018	<0.0018	<0.002	<0.00183	<0.00208	<0.00209	<0.00204	<0.00209
Bromoform	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
Bromomethane	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
Carbon disulfide	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
Carbon tetrachloride	mg/kg	<0.00522	0.00398 F	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
Chlorobenzene	mg/kg	<0.00209	<0.0018	<0.0018	<0.002	<0.00183	<0.00208	<0.00209	<0.00204	<0.00209
Chloroethane	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
Chloroform	mg/kg	0.00351	0.00904	0.00864	0.000521 F	<0.00183	0.0132	0.00538	0.000513 F	<0.00209
Chloromethane	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
cis-1,2-Dichloroethene	mg/kg	<0.00522	0.00299 F	0.00351 F	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
cis-1,3-Dichloropropene	mg/kg	<0.00313	<0.0027	<0.00269	<0.003	<0.00274	<0.00313	<0.00314	<0.00306	<0.00314
Dibromochloromethane	mg/kg	<0.00313	<0.0027	<0.00269	<0.003	<0.00274	<0.00313	<0.00314	<0.00306	<0.00314
Dibromomethane	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
Dichlorodifluoromethane	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
Ethylbenzene	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
Hexachlorobutadiene	mg/kg	<0.00313	<0.0027	<0.00269	<0.003	<0.00274	<0.00313	<0.00314	<0.00306	<0.00314
Isopropylbenzene	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
m-,p-Xylene	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
MEK (2-Butanone)	mg/kg	0.0477	<0.018	<0.018	<0.02	0.0113 F	0.00685 F	<0.0209	0.00277 F	0.00305 F
Methyl t-butyl ether (MTBE)	mg/kg	<0.0209	<0.018	<0.018	<0.02	<0.0183	<0.0208	<0.0209	<0.0204	<0.0209
Methylene chloride	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
ketone)	mg/kg	0.00549 F	<0.018	<0.018	<0.02	<0.0183	<0.0208	<0.0209	<0.0204	<0.0209
Naphthalene	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	0.00104 F	<0.00521	<0.00523	<0.0051	<0.00523
n-Butylbenzene	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
n-Propylbenzene	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
o-Xylene	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
p-Isopropyltoluene	mg/kg	<0.00626	<0.0054	<0.00539	<0.00599	<0.00548	<0.00625	<0.00627	<0.00612	<0.00628
sec-Butylbenzene	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
Styrene	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
tert-Butylbenzene	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
Tetrachloroethene	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
Toluene	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
Total Xylenes	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
trans-1,2-Dichloroethene	mg/kg	<0.00522	<0.0045	0.000681 F	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
trans-1,3-Dichloropropene	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
Trichloroethene	mg/kg	<0.00522	0.0277	0.0239	<0.005	<0.00456	0.00093 F	<0.00523	<0.0051	<0.00523
Trichlorofluoromethane	mg/kg	<0.00522	<0.0045	<0.00449	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523
Vinyl acetate	mg/kg	<0.0104	<0.00901	<0.00898	<0.00999	<0.00913	<0.0104	<0.0105	<0.0102	<0.0105
Vinyl chloride	mg/kg	<0.00522	<0.0045	0.00207 J	<0.005	<0.00456	<0.00521	<0.00523	<0.0051	<0.00523

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effe
Q One or more quality control criteria failed
J Estimated Result

TABLE E-17
THREMAL SVE CONFIRMATION SOIL, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID	LSB-23-28-29	LSB-23-28-29	LSB-23-28-29	LSB-23-28-29	LSB-23-28-29	LSB-24-12-13	LSB-25-2-3	LSB-25-2-3	LSB-25-2-3
	Lab ID	L08080451-10	L08090272-06	L08100125-07	L08100586-06	L08110281-02	L08080451-11	L08080434-08	L08090215-10	L08100125-09
	Date	8/19/2008	9/12/2008	10/2/2008	10/20/2008	11/11/2008	8/19/2008	8/18/2008	9/10/2008	10/2/2008
	Area	TA-4	TA-4	TA-4	TA-4	TA-4	TA-4	TA-1E	TA-1E	TA-1E
Analyte	Units	Rnd 1	Rnd 2	Rnd 3	Rnd 4	Rnd 5	Rnd 1	Rnd 1	Rnd 2	Rnd 3
1,1,1,2-Tetrachloroethane	mg/kg	<0 262	<0 312	<0 0168	<0 309	<0 0164	<0 00339	<0 308	<0 00305	<0 0029
1,1,1-Trichloroethane	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
1,1,2,2-Tetrachloroethane	mg/kg	0 319	0 264 F	<0 0168	<0 309	<0 0164	<0 00339	1 07	0 0729	<0 0029
1,1,2-Trichloroethane	mg/kg	<0 437	0 108 F	0 0222 F	<0 515	<0 0273	<0 00564	0 0749 J	0 0228	<0 00483
1,1-Dichloroethane	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
1,1-Dichloroethene	mg/kg	<0 524	<0 625	<0 0336	<0 618	<0 0327	<0 00677	<0 615	0 0019 F	<0 00579
1,1-Dichloropropene	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
1,2,3-Trichlorobenzene	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
1,2,3-Trichloropropane	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
1,2,4-Trichlorobenzene	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
1,2,4-Trimethylbenzene	mg/kg	<0 524	<0 625	<0 0336	<0 618	<0 0327	<0 00677	<0 615	<0 00611	<0 00579
chloropropane	mg/kg	<0 874	<1 04	<0 0561	<1 03	<0 0546	<0 0113	<1 03	<0 0102	<0 00965
1,2-Dibromoethane	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
1,2-Dichlorobenzene	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
1,2-Dichloroethane	mg/kg	<0 262	<0 312	<0 0168	<0 309	<0 0164	<0 00339	<0 308	0 000803 F	<0 0029
1,2-Dichloropropane	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
1,3,5-Trimethylbenzene	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
1,3-Dichlorobenzene	mg/kg	<0 524	<0 625	<0 0336	<0 618	<0 0327	<0 00677	<0 615	<0 00611	<0 00579
1,3-Dichloropropane	mg/kg	<0 175	<0 208	<0 0112	<0 206	<0 0109	<0 00226	<0 205	<0 00204	<0 00193
1,4-Dichlorobenzene	mg/kg	<0 175	<0 208	<0 0112	<0 206	<0 0109	<0 00226	<0 205	<0 00204	<0 00193
1-Chlorohexane	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
2,2-Dichloropropane	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
2-Chlorotoluene	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
2-Hexanone	mg/kg	<1 75	<2 08	<0 112	<2 06	<0 109	<0 0226	<2 05	<0 0204	<0 0193
4-Chlorotoluene	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
Acetone	mg/kg	<1 75	<2 08	1 68	<2 06	17 6 Q	0 0883	<2 05	0 0128 F	0 0346
Benzene	mg/kg	<0 175	<0 208	<0 0112	<0 206	<0 0109	<0 00226	<0 205	0 00867	<0 00193
Bromobenzene	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
Bromochloromethane	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
Bromodichloromethane	mg/kg	<0 175	<0 208	<0 0112	<0 206	<0 0109	<0 00226	<0 205	<0 00204	<0 00193
Bromoform	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
Bromomethane	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	0 15 F	<0 00509	<0 00483
Carbon disulfide	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
Carbon tetrachloride	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
Chlorobenzene	mg/kg	<0 175	<0 208	<0 0112	<0 206	<0 0109	<0 00226	<0 205	0 00175 F	<0 00193
Chloroethane	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
Chloroform	mg/kg	<0 175	30	25 3	11 5	0 0226 J	<0 00226	<0 205	0 00299	<0 00193
Chloromethane	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
cis-1,2-Dichloroethene	mg/kg	<0 437	0 0552 F	0 00488 F	<0 515	<0 0273	<0 00564	0 137 F	0 085 F	0 00285 F
cis-1,3-Dichloropropene	mg/kg	<0 262	<0 312	<0 0168	<0 309	<0 0164	<0 00339	<0 308	<0 00305	<0 0029
Dibromochloromethane	mg/kg	<0 262	<0 312	<0 0168	<0 309	<0 0164	<0 00339	<0 308	<0 00305	<0 0029
Dibromomethane	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
Dichlorodifluoromethane	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
Ethylbenzene	mg/kg	0 109 F	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
Hexachlorobutadiene	mg/kg	<0 262	<0 312	<0 0168	<0 309	<0 0164	<0 00339	<0 308	<0 00305	<0 0029
Isopropylbenzene	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
m-,p-Xylene	mg/kg	0 351 F	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
MEK (2-Butanone)	mg/kg	<1 75	<2 08	<0 112	<2 06	<0 109	0 0213 F	<2 05	<0 0204	<0 0193
Methyl t-butyl ether (MTBE)	mg/kg	<1 75	<2 08	<0 112	<2 06	<0 109	<0 0226	<2 05	<0 0204	<0 0193
Methylene chloride	mg/kg	<0 437	0 136 F	0 0228 F	<0 515	<0 0273	<0 00564	<0 513	<0 00509	0 00133 F
ketone)	mg/kg	<1 75	<2 08	<0 112	<2 06	<0 109	<0 0226	<2 05	<0 0204	<0 0193
Naphthalene	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
n-Butylbenzene	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
n-Propylbenzene	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
o-Xylene	mg/kg	0 0598 F	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
p-Isopropyltoluene	mg/kg	<0 524	<0 625	<0 0336	<0 618	<0 0327	<0 00677	<0 615	<0 00611	<0 00579
sec-Butylbenzene	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
Styrene	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
tert-Butylbenzene	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
Tetrachloroethene	mg/kg	<0 437	0 234 F	0 00353 F	<0 515	<0 0273	<0 00564	0 508 F	0 0577	0 000666 F
Toluene	mg/kg	1 14	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	0 000713 F
Total Xylenes	mg/kg	0 411 F	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
trans-1,2-Dichloroethene	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	0 0539	<0 00483
trans-1,3-Dichloropropene	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
Trichloroethene	mg/kg	2 02	3 68	0 127	0 615	<0 0273	<0 00564	12 4	1 32	0 0306
Trichlorofluoromethane	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483
Vinyl acetate	mg/kg	<0 874	<1 04	<0 0561	<1 03	<0 0546	<0 0113	<1 03	<0 0102	<0 00965
Vinyl chloride	mg/kg	<0 437	<0 521	<0 028	<0 515	<0 0273	<0 00564	<0 513	<0 00509	<0 00483

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effe
Q One or more quality control criteria failed
J Estimated Result

TABLE E-17
THREMAL SVE CONFIRMATION SOIL, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID	LSB-25-10-11	LSB-25-10-11	LSB-25-10-11	LSB-25-10-11	LSB-25-20-21	LSB-25-20-21	LSB-25-20-21	LSB-26-24-25	LSB-26-24-25 DUP
	Lab ID	L08080434-09	L08090215-13	L08100125-08	L08100586-07	L08080434-10	L08090215-14	L08100125-10	L08080434-11	L08080434-20
	Date	8/18/2008	9/10/2008	10/2/2008	10/20/2008	8/18/2008	9/10/2008	10/2/2008	8/18/2008	8/18/2008
	Area	TA-1E	TA-1E	TA-1E	TA-1E	TA-1E	TA-1E	TA-1E	TA-1E	TA-1E
Analyte	Units	Rnd 1	Rnd 2	Rnd 3	Rnd 4	Rnd 1	Rnd 2	Rnd 3	Rnd 1	Rnd 1
1,1,1,2-Tetrachloroethane	mg/kg	<0 319	0 00318 F	<0 00308	<0 00374	<1 42	<0 00287	<0 00292	<0 00302	<0 00299
1,1,1-Trichloroethane	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
1,1,2,2-Tetrachloroethane	mg/kg	3 84	3 61	0 254	<0 00374	<1 42	0 0207	<0 00292	<0 00302	<0 00299
1,1,2-Trichloroethane	mg/kg	<0 531	0 151	0 0065	<0 00624	<2 37	0 000811 F	<0 00487	0 0624	0 0586
1,1-Dichloroethane	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
1,1-Dichloroethene	mg/kg	<0 638	0 018	0 000521 F	<0 00749	<2 85	0 000576 F	<0 00584	0 00124 F	0 000903 F
1,1-Dichloropropene	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
1,2,3-Trichlorobenzene	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
1,2,3-Trichloropropane	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
1,2,4-Trichlorobenzene	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
1,2,4-Trimethylbenzene	mg/kg	<0 638	0 00862	<0 00616	<0 00749	<2 85	<0 00574	<0 00584	<0 00603	<0 00598
chloropropane	mg/kg	<1 06	<0 0108	<0 0103	<0 0125	<4 75	<0 00957	<0 00974	<0 0101	<0 00996
1,2-Dibromoethane	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
1,2-Dichlorobenzene	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
1,2-Dichloroethane	mg/kg	<0 319	<0 00323	<0 00308	<0 00374	<1 42	<0 00287	<0 00292	<0 00302	<0 00299
1,2-Dichloropropane	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
1,3,5-Trimethylbenzene	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
1,3-Dichlorobenzene	mg/kg	<0 638	<0 00647	<0 00616	<0 00749	<2 85	<0 00574	<0 00584	<0 00603	<0 00598
1,3-Dichloropropane	mg/kg	<0 213	<0 00216	<0 00205	<0 0025	<0 95	<0 00191	<0 00195	<0 00201	<0 00199
1,4-Dichlorobenzene	mg/kg	<0 213	<0 00216	<0 00205	<0 0025	<0 95	<0 00191	<0 00195	<0 00201	<0 00199
1-Chlorohexane	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
2,2-Dichloropropane	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
2-Chlorotoluene	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
2-Hexanone	mg/kg	<2 13	<0 0216	<0 0205	<0 025	<9 5	<0 0191	<0 0195	<0 0201	<0 0199
4-Chlorotoluene	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
Acetone	mg/kg	7 23 Q	29 3	4 39	0 251	10 2 Q	0 371 J	3 21	0 0877	0 0801
Benzene	mg/kg	<0 213	0 00445	0 00172 F	<0 0025	<0 95	<0 00191	<0 00195	<0 00201	<0 00199
Bromobenzene	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
Bromochloromethane	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
Bromodichloromethane	mg/kg	<0 213	<0 00216	<0 00205	<0 0025	<0 95	<0 00191	<0 00195	<0 00201	<0 00199
Bromoform	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
Bromomethane	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
Carbon disulfide	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
Carbon tetrachloride	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
Chlorobenzene	mg/kg	<0 213	0 000992 F	<0 00205	<0 0025	<0 95	<0 00191	<0 00195	<0 00201	<0 00199
Chloroethane	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
Chloroform	mg/kg	<0 213	0 025	0 000903 F	<0 0025	<0 95	<0 00191	<0 00195	0 000991 F	0 000882 F
Chloromethane	mg/kg	<0 531	0 00422 F	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
cis-1,2-Dichloroethene	mg/kg	0 145 F	1 77	0 0739	<0 00624	2 58	0 0364	0 00238 F	0 558	0 344 F
cis-1,3-Dichloropropene	mg/kg	<0 319	<0 00323	<0 00308	<0 00374	<1 42	<0 00287	<0 00292	<0 00302	<0 00299
Dibromochloromethane	mg/kg	<0 319	<0 00323	<0 00308	<0 00374	<1 42	<0 00287	<0 00292	<0 00302	<0 00299
Dibromomethane	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
Dichlorodifluoromethane	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
Ethylbenzene	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
Hexachlorobutadiene	mg/kg	<0 319	<0 00323	<0 00308	<0 00374	<1 42	<0 00287	<0 00292	<0 00302	<0 00299
Isopropylbenzene	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
m-,p-Xylene	mg/kg	<0 531	0 00207 F	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
MEK (2-Butanone)	mg/kg	0 312 F	0 904 F	0 18	0 0113 F	<9 5	<0 0191	0 0727	0 00527 F	0 00523 F
Methyl t-butyl ether (MTBE)	mg/kg	<2 13	<0 0216	<0 0205	<0 025	<9 5	<0 0191	<0 0195	<0 0201	<0 0199
Methylene chloride	mg/kg	<0 531	<0 00539	<0 00514	0 00269 F	<2 37	<0 00478	0 00105 F	<0 00503	<0 00498
ketone)	mg/kg	<2 13	0 00582 F	<0 0205	<0 025	<9 5	<0 0191	<0 0195	<0 0201	<0 0199
Naphthalene	mg/kg	<0 531	0 0037 F	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
n-Butylbenzene	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
n-Propylbenzene	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
o-Xylene	mg/kg	<0 531	0 00102 F	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
p-Isopropyltoluene	mg/kg	<0 638	<0 00647	<0 00616	<0 00749	<2 85	<0 00574	<0 00584	<0 00603	<0 00598
sec-Butylbenzene	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
Styrene	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
tert-Butylbenzene	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
Tetrachloroethene	mg/kg	<0 531	0 118	0 000591 F	<0 00624	<2 37	0 004 F	<0 00487	<0 00503	0 000716 F
Toluene	mg/kg	<0 531	0 00377 F	<0 00514	0 000649 F	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
Total Xylenes	mg/kg	<0 531	0 00308 F	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
trans-1,2-Dichloroethene	mg/kg	<0 531	0 168 F	0 00419 F	<0 00624	0 334 F	0 0055	<0 00487	0 0292	0 0285
trans-1,3-Dichloropropene	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
Trichloroethene	mg/kg	0 703	19 1	0 307	<0 00624	12 8	0 795	0 00306 F	0 749	0 442 F
Trichlorofluoromethane	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498
Vinyl acetate	mg/kg	<1 06	<0 0108	<0 0103	<0 0125	<4 75	<0 00957	<0 00974	<0 0101	<0 00996
Vinyl chloride	mg/kg	<0 531	<0 00539	<0 00514	<0 00624	<2 37	<0 00478	<0 00487	<0 00503	<0 00498

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effe
Q One or more quality control criteria failed
J Estimated Result

TABLE E-17
THREMAL SVE CONFIRMATION SOIL, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID	LSB-26-24-25	LSB-26-24-25	LSB-27-27-28	LSB-27-27-28	LSB-27-27-28	LSB-28-9-10	LSB-29-15-16	LSB-29-15-16 DUP	LSB-30-11-12
	Lab ID	L08090215-15	L08100125-11	L08080434-12	L08090215-16	L08100125-12	L08080434-15	L08080434-16	L08080434-19	L08080434-17
	Date	9/10/2008	10/2/2008	8/18/2008	9/10/2008	10/2/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008
	Area	TA-1E	TA-1E	TA-1E	TA-1E	TA-1E	TA-1E	TA-1D	TA-1D	TA-1C
Analyte	Units	Rnd 2	Rnd 3	Rnd 1	Rnd 2	Rnd 3	Rnd 1	Rnd 1	Rnd 1	Rnd 1
1,1,1,2-Tetrachloroethane	mg/kg	<0 003	<0 00295	<0 00276	<0 00283	<0 00295	<0 00275	<0 0027	<0 00297	<5 23
1,1,1-Trichloroethane	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
1,1,2,2-Tetrachloroethane	mg/kg	<0 003	<0 00295	0 00153 F	<0 00283	<0 00295	0 000771 F	<0 0027	<0 00297	11 3
1,1,2-Trichloroethane	mg/kg	0 0408	<0 00492	0 00104 F	0 00551	0 000583 F	<0 00458	<0 00451	<0 00495	<8 71
1,1-Dichloroethane	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
1,1-Dichloroethene	mg/kg	0 00108 F	<0 00591	<0 00552	0 00052 F	<0 0059	<0 00549	<0 00541	<0 00594	<10 5
1,1-Dichloropropene	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
1,2,3-Trichlorobenzene	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
1,2,3-Trichloropropane	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
1,2,4-Trichlorobenzene	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
1,2,4-Trimethylbenzene	mg/kg	<0 00599	<0 00591	<0 00552	<0 00565	<0 0059	0 000583 F	<0 00541	<0 00594	<10 5
chloropropane	mg/kg	<0 00999	<0 00984	<0 0092	<0 00942	<0 00983	<0 00916	<0 00901	<0 0099	<17 4
1,2-Dibromoethane	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
1,2-Dichlorobenzene	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
1,2-Dichloroethane	mg/kg	<0 003	<0 00295	<0 00276	<0 00283	<0 00295	<0 00275	<0 0027	<0 00297	<5 23
1,2-Dichloropropane	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
1,3,5-Trimethylbenzene	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
1,3-Dichlorobenzene	mg/kg	<0 00599	<0 00591	<0 00552	<0 00565	<0 0059	<0 00549	<0 00541	<0 00594	<10 5
1,3-Dichloropropane	mg/kg	<0 002	<0 00197	<0 00184	<0 00188	<0 00197	<0 00183	<0 0018	<0 00198	<3 48
1,4-Dichlorobenzene	mg/kg	<0 002	<0 00197	<0 00184	<0 00188	<0 00197	<0 00183	<0 0018	<0 00198	<3 48
1-Chlorohexane	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
2,2-Dichloropropane	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
2-Chlorotoluene	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
2-Hexanone	mg/kg	<0 02	<0 0197	<0 0184	<0 0188	<0 0197	<0 0183	<0 018	<0 0198	<34 8
4-Chlorotoluene	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
Acetone	mg/kg	0 248	0 276	0 0206 Q	0 166	0 17	0 319 Q	0 416 J	0 336 J	<34 8
Benzene	mg/kg	<0 002	<0 00197	<0 00184	<0 00188	<0 00197	<0 00183	<0 0018	<0 00198	<3 48
Bromobenzene	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
Bromochloromethane	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
Bromodichloromethane	mg/kg	<0 002	<0 00197	<0 00184	<0 00188	<0 00197	<0 00183	<0 0018	<0 00198	<3 48
Bromoform	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
Bromomethane	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
Carbon disulfide	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	0 00222 F	<0 00451	0 000834 F	<8 71
Carbon tetrachloride	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
Chlorobenzene	mg/kg	<0 002	<0 00197	<0 00184	<0 00188	<0 00197	<0 00183	<0 0018	<0 00198	<3 48
Chloroethane	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
Chloroform	mg/kg	0 000856 F	<0 00197	0 00068 F	0 00327	<0 00197	<0 00183	<0 0018	<0 00198	<3 48
Chloromethane	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
cis-1,2-Dichloroethene	mg/kg	0 63	<0 00492	0 117	0 476 F	0 017	<0 00458	<0 00451	<0 00495	23 6
cis-1,3-Dichloropropene	mg/kg	<0 003	<0 00295	<0 00276	<0 00283	<0 00295	<0 00275	<0 0027	<0 00297	<5 23
Dibromochloromethane	mg/kg	<0 003	<0 00295	<0 00276	<0 00283	<0 00295	<0 00275	<0 0027	<0 00297	<5 23
Dibromomethane	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
Dichlorodifluoromethane	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
Ethylbenzene	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
Hexachlorobutadiene	mg/kg	<0 003	<0 00295	<0 00276	<0 00283	<0 00295	<0 00275	<0 0027	<0 00297	<5 23
Isopropylbenzene	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
m-,p-Xylene	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
MEK (2-Butanone)	mg/kg	0 011 F	0 00994 F	<0 0184	0 00994 F	0 0117 F	0 0589 J	0 0809	0 0643	<34 8
Methyl t-butyl ether (MTBE)	mg/kg	<0 02	<0 0197	<0 0184	<0 0188	<0 0197	<0 0183	<0 018	<0 0198	<34 8
Methylene chloride	mg/kg	<0 005	0 00111 F	<0 0046	<0 00471	0 00106 F	<0 00458	<0 00451	<0 00495	<8 71
ketone)	mg/kg	<0 02	<0 0197	<0 0184	<0 0188	<0 0197	<0 0183	<0 018	<0 0198	<34 8
Naphthalene	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	0 000859 F	0 0014 F	0 00119 F	<8 71
n-Butylbenzene	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
n-Propylbenzene	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
o-Xylene	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
p-Isopropyltoluene	mg/kg	<0 00599	<0 00591	<0 00552	<0 00565	<0 0059	<0 00549	<0 00541	<0 00594	<10 5
sec-Butylbenzene	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
Styrene	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
tert-Butylbenzene	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
Tetrachloroethene	mg/kg	0 000869 F	<0 00492	<0 0046	0 00381 F	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
Toluene	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
Total Xylenes	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
trans-1,2 Dichloroethene	mg/kg	0 0383	<0 00492	0 00541	0 0418	<0 00492	<0 00458	<0 00451	<0 00495	3 68 F
trans-1,3-Dichloropropene	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
Trichloroethene	mg/kg	0 691	<0 00492	0 106	0 749	0 00408 F	<0 00458	<0 00451	<0 00495	96 6
Trichlorofluoromethane	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71
Vinyl acetate	mg/kg	<0 00999	<0 00984	<0 0092	<0 00942	<0 00983	<0 00916	<0 00901	<0 0099	<17 4
Vinyl chloride	mg/kg	<0 005	<0 00492	<0 0046	<0 00471	<0 00492	<0 00458	<0 00451	<0 00495	<8 71

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effe
Q One or more quality control criteria failed
J Estimated Result

TABLE E-17
THREMAL SVE CONFIRMATION SOIL, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID	LSB-30-11-12	LSB-30-11-12	LSB-30-11-12	LSB-30-11-12	LSB-30-25-26	LSB-30-25-26	LSB-30-25-26	LSB-30-25-26
	Lab ID	L08090215-17	L08100125-13	L08100586-08	L08110281-03	L08080434-18	L08090215-18	L08100125-16	L08100586-09
	Date	9/10/2008	10/2/2008	10/20/2008	11/11/2008	8/18/2008	9/10/2008	10/2/2008	10/20/2008
	Area	TA-1C	TA-1C	TA-1C	TA-1C	TA-1C	TA-1C	TA-1C	TA-1C
Analyte	Units	Rnd 2	Rnd 3	Rnd 4	Rnd 5	Rnd 1	Rnd 2	Rnd 3	Rnd 4
1,1,1,2-Tetrachloroethane	mg/kg	<2 7	<0 0165	<0 299	<0 00275	<0.29	<0 281	<0 00291	<0 00301
1,1,1-Trichloroethane	mg/kg	<4 49	<0 0274	<0.499	<0 00459	<0.483	<0.468	<0.00486	<0 00501
1,1,2,2-Tetrachloroethane	mg/kg	6 07	1 43 J	0.351	<0 00275	0 517	1 74	0 0901	0.0415
1,1,2-Trichloroethane	mg/kg	2 49 F	0 48	<0 499	<0 00459	0 0869 F	0 21 F	0 0157	<0 00501
1,1-Dichloroethane	mg/kg	<4 49	<0 0274	<0 499	<0 00459	<0.483	<0 468	<0.00486	<0 00501
1,1-Dichloroethene	mg/kg	<5 39	0 0913	<0.599	<0 00551	<0 58	<0 562	<0 00583	<0.00601
1,1-Dichloropropene	mg/kg	<4 49	<0 0274	<0 499	<0 00459	<0.483	<0.468	<0 00486	<0 00501
1,2,3-Trichlorobenzene	mg/kg	<4 49	<0 0274	<0 499	<0 00459	<0.483	<0.468	<0 00486	<0.00501
1,2,3-Trichloropropane	mg/kg	<4 49	<0 0274	<0 499	<0 00459	<0.483	<0.468	<0 00486	<0.00501
1,2,4-Trichlorobenzene	mg/kg	<4 49	<0 0274	<0 499	<0 00459	<0.483	<0 468	<0 00486	<0.00501
1,2,4-Trimethylbenzene	mg/kg	<5 39	0 011 F	<0.599	<0 00551	<0 58	<0 562	<0 00583	<0.00601
chloropropane	mg/kg	<8 98	<0 0549	<0 998	<0 00918	<0 967	<0 936	<0 00972	<0 01
1,2-Dibromoethane	mg/kg	<4 49	<0 0274	<0 499	<0.00459	<0 483	<0 468	<0 00486	<0 00501
1,2-Dichlorobenzene	mg/kg	<4 49	<0 0274	<0 499	<0.00459	<0 483	<0 468	<0.00486	<0 00501
1,2-Dichloroethane	mg/kg	<2 7	0 00553 F	<0 299	<0 00275	<0.29	<0 281	<0 00291	<0.00301
1,2-Dichloropropane	mg/kg	<4 49	<0 0274	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0.00501
1,3,5-Trimethylbenzene	mg/kg	<4 49	0 00319 F	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
1,3-Dichlorobenzene	mg/kg	<5.39	<0 0329	<0 599	<0 00551	<0 58	<0 562	<0 00583	<0 00601
1,3-Dichloropropane	mg/kg	<1 8	<0 011	<0 2	<0 00184	<0 193	<0 187	<0 00194	<0 002
1,4-Dichlorobenzene	mg/kg	<1 8	<0 011	<0.2	<0 00184	<0 193	<0 187	<0 00194	<0 002
1-Chlorohexane	mg/kg	<4 49	<0 0274	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
2,2-Dichloropropane	mg/kg	<4 49	<0 0274	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
2-Chlorotoluene	mg/kg	<4 49	<0 0274	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
2-Hexanone	mg/kg	<18	<0 11	<2	<0 0184	<1 93	<1 87	<0 0194	<0.02
4-Chlorotoluene	mg/kg	<4 49	<0 0274	<0.499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
Acetone	mg/kg	<18	0 864	1 11 F	0 958 Q	<1 93	<1 87	0 0518	0 0136 F
Benzene	mg/kg	<1 8	0 00415 F	<0 2	<0 00184	<0 193	<0 187	<0 00194	<0 002
Bromobenzene	mg/kg	<4 49	<0 0274	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
Bromochloromethane	mg/kg	<4 49	<0 0274	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
Bromodichloromethane	mg/kg	<1 8	<0 011	<0 2	<0 00184	<0 193	<0 187	<0 00194	<0 002
Bromoform	mg/kg	<4 49	<0 0274	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
Bromomethane	mg/kg	<4 49	<0 0274	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
Carbon disulfide	mg/kg	<4 49	0 03	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
Carbon tetrachloride	mg/kg	<4 49	<0 0274	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
Chlorobenzene	mg/kg	<1 8	0 00394 F	<0 2	<0 00184	<0 193	<0 187	<0 00194	<0 002
Chloroethane	mg/kg	<4 49	<0 0274	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
Chloroform	mg/kg	<1 8	<0 011	<0 2	<0 00184	<0 193	<0 187	<0 00194	<0 002
Chloromethane	mg/kg	<4 49	<0 0274	0 438 F	<0 00459	<0 483	<0 468	<0 00486	<0 00501
cis-1 2-Dichloroethene	mg/kg	29 9	259	1 13	0 00561 J	2 71	1 49	0 00768	0 00457 F
cis-1,3-Dichloropropene	mg/kg	<2 7	<0 0165	<0 299	<0 00275	<0 29	<0 281	<0 00291	<0 00301
Dibromochloromethane	mg/kg	<2 7	<0 0165	<0 299	<0 00275	<0 29	<0 281	<0 00291	<0 00301
Dibromomethane	mg/kg	<4 49	<0 0274	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
Dichlorodifluoromethane	mg/kg	<4 49	<0 0274	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
Ethylbenzene	mg/kg	<4 49	0 00426 F	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
Hexachlorobutadiene	mg/kg	<2 7	<0 0165	<0 299	<0 00275	<0 29	<0 281	<0 00291	<0 00301
Isopropylbenzene	mg/kg	<4 49	<0 0274	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
m-,p-Xylene	mg/kg	<4 49	0 0142 F	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
MEK (2-Butanone)	mg/kg	<18	0 146 Q	<2	0 0538 Q	<1 93	<1 87	0 0121 F	<0 02
Methyl t-butyl ether (MTBE)	mg/kg	<18	<0 11	<2	<0 0184	<1 93	<1 87	<0 0194	<0 02
Methylene chloride	mg/kg	<4 49	0 00764 F	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
ketone)	mg/kg	<18	<0 11	<2	<0 0184	<1 93	<1 87	<0 0194	<0 02
Naphthalene	mg/kg	<4 49	0 00436 Q	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
n-Butylbenzene	mg/kg	<4 49	<0 0274	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
n-Propylbenzene	mg/kg	<4 49	<0 0274	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
o-Xylene	mg/kg	<4 49	0 00742 F	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
p-Isopropyltoluene	mg/kg	<5 39	<0 0329	<0 599	<0 00551	<0 58	<0 562	<0 00583	<0 00601
sec-Butylbenzene	mg/kg	<4 49	<0 0274	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
Styrene	mg/kg	<4 49	<0 0274	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
tert-Butylbenzene	mg/kg	<4 49	<0 0274	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
Tetrachloroethene	mg/kg	5 77	0 227	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
Toluene	mg/kg	<4 49	0 00574 F	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
Total Xylenes	mg/kg	<4 49	0 0216 F	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
trans-1,2-Dichloroethene	mg/kg	5 15	70 4	0 166 F	<0 00459	0 0503 F	<0 468	<0 00486	0 000504 F
trans-1,3-Dichloropropene	mg/kg	<4 49	<0 0274	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
Trichloroethene	mg/kg	297	742	7 71	0 00727 J	1 26	1 05	0 00625	0 00908
Trichlorofluoromethane	mg/kg	<4 49	<0 0274	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501
Vinyl acetate	mg/kg	<8 98	<0 0549	<0 998	<0 00918	<0 967	<0 936	<0 00972	<0 01
Vinyl chloride	mg/kg	<4 49	0 0435	<0 499	<0 00459	<0 483	<0 468	<0 00486	<0 00501

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effe
Q One or more quality control criteria failed
J Estimated Result

TABLE E-17
THREMAL SVE CONFIRMATION SOIL ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID	LSB-30-25-26	LSB-31-9-10	LSB-32-11-12	LSB-32-11-12	LSB-33-23-24	LSB-34-20-21	LSB-35-13-14	LSB-35-13-14 DUP-4
	Lab ID	L08110281-04	L08080503-04	L08080451-12	L08090247-11	L08090247-12	L08090247-13	L08090247-14	L08090247-17
	Date	11/11/2008	8/20/2008	8/19/2008	9/11/2008	9/11/2008	9/11/2008	9/11/2008	9/11/2008
	Area	TA-1C	TA-1A	TA-4	TA-4	TA-4	TA-4	TA-4	TA-4
Analyte	Units	Rnd 5	Rnd 1	Rnd 1	Rnd 2	Rnd 2	Rnd 2	Rnd 2	Rnd 2
1,1,1,2-Tetrachloroethane	mg/kg	<0 00319	<0 00313	<0 315	<0 00314	<0 316	<0 00293	<0 00304	<0 00308
1,1,1-Trichloroethane	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
1,1,2,2-Tetrachloroethane	mg/kg	<0 00319	<0 00313	3 15	<0 00314	<0 00293	<0 00293	0 00229 F	0 00586
1,1,2-Trichloroethane	mg/kg	<0 00532	<0 00521	0 124 F	<0 00523	0 00943	<0 00488	<0 00507	<0 00514
1,1-Dichloroethane	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
1,1-Dichloroethene	mg/kg	<0 00639	<0 00625	<0 63	<0 00627	<0 00586	<0 00585	<0 00609	<0 00616
1,1-Dichloropropene	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
1,2,3-Trichlorobenzene	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
1,2,3-Trichloropropane	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
1,2,4-Trichlorobenzene	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
1,2,4-Trimethylbenzene	mg/kg	<0 00639	<0 00625	<0 63	<0 00627	<0 00586	<0 00585	<0 00609	<0 00616
chloropropane	mg/kg	<0 0106	<0 0104	<1 05	<0 0105	<0 00977	<0 00976	<0 0101	<0 0103
1,2-Dibromoethane	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
1,2-Dichlorobenzene	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
1,2-Dichloroethane	mg/kg	<0 00319	<0 00313	<0 315	<0 00314	<0 00293	<0 00293	<0 00304	<0 00308
1,2-Dichloropropane	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
1,3,5-Trimethylbenzene	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
1,3-Dichlorobenzene	mg/kg	<0 00639	<0 00625	<0 63	<0 00627	<0 00586	<0 00585	<0 00609	<0 00616
1,3-Dichloropropane	mg/kg	<0 00213	<0 00208	<0 21	<0 00209	<0 00195	<0 00195	<0 00203	<0 00205
1,4-Dichlorobenzene	mg/kg	<0 00213	<0 00208	<0 21	<0 00209	<0 00195	<0 00195	<0 00203	<0 00205
1-Chlorohexane	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
2,2-Dichloropropane	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
2-Chlorotoluene	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
2-Hexanone	mg/kg	<0 0213	<0 0208	<2 1	<0 0209	<0 0195	<0 0195	<0 0203	<0 0205
4-Chlorotoluene	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
Acetone	mg/kg	0 185 Q	0 214	<2 1	1 13 F	0 404 Q	0 0654 Q	0 109 Q	0 0981 Q
Benzene	mg/kg	<0 00213	<0 00208	<0 21	<0 00209	<0 00195	<0 00195	<0 00203	<0 00205
Bromobenzene	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
Bromochloromethane	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
Bromodichloromethane	mg/kg	<0 00213	<0 00208	<0 21	<0 00209	0 000747 F	<0 00195	<0 00203	<0 00205
Bromoform	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
Bromomethane	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
Carbon disulfide	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
Carbon tetrachloride	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
Chlorobenzene	mg/kg	<0 00213	<0 00208	<0 21	<0 00209	<0 00195	<0 00195	<0 00203	<0 00205
Chloroethane	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
Chloroform	mg/kg	<0 00213	0 0529	12	<0 00209	0 929 J	0 00127 F	<0 00203	<0 00205
Chloromethane	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
cis-1,2-Dichloroethene	mg/kg	0 00108 F	<0 00521	<0 525	<0 00523	0 00141 F	<0 00488	<0 00507	<0 00514
cis-1,3-Dichloropropene	mg/kg	<0 00319	<0 00313	<0 315	<0 00314	<0 00293	<0 00293	<0 00304	<0 00308
Dibromochloromethane	mg/kg	<0 00319	<0 00313	<0 315	<0 00314	<0 00293	<0 00293	<0 00304	<0 00308
Dibromomethane	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
Dichlorodifluoromethane	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
Ethylbenzene	mg/kg	<0 00532	<0 00521	0 12 F	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
Hexachlorobutadiene	mg/kg	<0 00319	<0 00313	<0 315	<0 00314	<0 00293	<0 00293	<0 00304	<0 00308
Isopropylbenzene	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
m-,p-Xylene	mg/kg	<0 00532	<0 00521	0 381 F	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
MEK (2-Butanone)	mg/kg	0 0147 Q	0 0159 F	<2 1	0 0047 F	0 00456 F	<0 0195	0 00297 F	0 0026 F
Methyl t-butyl ether (MTBE)	mg/kg	<0 0213	<0 0208	<2 1	<0 0209	<0 0195	<0 0195	<0 0203	<0 0205
Methylene chloride	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	0 00137 F	<0 00488	<0 00507	<0 00514
ketone)	mg/kg	<0 0213	<0 0208	<2 1	<0 0209	<0 0195	<0 0195	<0 0203	<0 0205
Naphthalene	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
n-Butylbenzene	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
n-Propylbenzene	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
o-Xylene	mg/kg	<0 00532	<0 00521	0 0689 F	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
p-Isopropyltoluene	mg/kg	<0 00639	<0 00625	<0 63	<0 00627	<0 00586	<0 00585	<0 00609	<0 00616
sec-Butylbenzene	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
Styrene	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
tert-Butylbenzene	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
Tetrachloroethene	mg/kg	<0 00532	<0 00521	0 0897 F	<0 00523	0 0028 F	<0 00488	<0 00507	<0 00514
Toluene	mg/kg	<0 00532	<0 00521	1 14	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
Total Xylenes	mg/kg	<0 00532	<0 00521	0 448 F	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
trans-1,2-Dichloroethene	mg/kg	0 0016 F	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
trans-1,3-Dichloropropene	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
Trichloroethene	mg/kg	0 00923 J	<0 00521	1 96	<0 00523	0 0822 F	<0 00488	<0 00507	<0 00514
Trichlorofluoromethane	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514
Vinyl acetate	mg/kg	<0 0106	<0 0104	<1 05	<0 0105	<0 00977	<0 00976	<0 0101	<0 0103
Vinyl chloride	mg/kg	<0 00532	<0 00521	<0 525	<0 00523	<0 00489	<0 00488	<0 00507	<0 00514

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effe
Q One or more quality control criteria failed
J Estimated Result

TABLE E-17
THREMAL SVE CONFIRMATION SOIL, QA ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID	TB-1-TSVE-GW01	TB-2-TSVE-GW01	TB-3-TSVE-GW01	TB-9-11-08	TB-9-12-08
	Lab ID	L08080433-12	L08080452-08	L08080507-11	L08090247-18	L08090272-07
	Date	8/18/2008	8/19/2008	8/20/2008	9/11/2008	9/12/2008
	Round	Rnd 1	Rnd 1	Rnd 1	Rnd 2	Rnd 2
Analyte	Units					
1,1,1,2-Tetrachloroethane	ug/L	<0 5	<0 5	<0.5	<0 5	<0 5
1,1,1-Trichloroethane	ug/L	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5
1,1,2-Trichloroethane	ug/L	<1	<1	<1	<1	<1
1,1-Dichloroethane	ug/L	<1	<1	<1	<1	<1
1,1-Dichloroethene	ug/L	<1	<1	<1	<1	<1
1,1-Dichloropropene	ug/L	<1	<1	<1	<1	<1
1,2,3-Trichlorobenzene	ug/L	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	ug/L	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	ug/L	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene	ug/L	<1	<1	<1	<1	<1
1,2-Dibromo-3-chloropropane	ug/L	<2	<2	<2	<2	<2
1,2-Dibromoethane	ug/L	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	ug/L	<1	<1	<1	<1	<1
1,2-Dichloroethane	ug/L	<0 5	<0.5	<0 5	<0 5	<0 5
1,2-Dichloropropane	ug/L	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene	ug/L	<1	<1	<1	<1	<1
1,3-Dichlorobenzene	ug/L	<1	<1	<1	<1	<1
1,3-Dichloropropane	ug/L	<0 4	<0 4	<0 4	<0 4	<0 4
1,4-Dichlorobenzene	ug/L	<0 5	<0.5	<0 5	0 243 F	<0 5
1-Chlorohexane	ug/L	<1	<1	<1	<1	<1
2,2-Dichloropropane	ug/L	<1	<1	<1	<1	<1
2-Chlorotoluene	ug/L	<1	<1	<1	<1	<1
2-Hexanone	ug/L	<10	<10	<10	<10	<10
4-Chlorotoluene	ug/L	<1	<1	<1	<1	<1
Acetone	ug/L	<10	<10	<10	<10	<10
Benzene	ug/L	<0 4	<0 4	<0 4	<0 4	<0 4
Bromobenzene	ug/L	<1	<1	<1	<1	<1
Bromochloromethane	ug/L	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5
Bromoform	ug/L	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1
Carbon disulfide	ug/L	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5
Chloroethane	ug/L	<1	<1	<1	<1	<1
Chloroform	ug/L	<0 3	<0 3	<0 3	<0 3	<0 3
Chloromethane	ug/L	<1	0 369	<1	<1	<1
cis-1,2-Dichloroethene	ug/L	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	ug/L	<0 5	<0 5	<0 5	<0 5	<0 5
Dibromochloromethane	ug/L	<0 5	<0.5	<0 5	<0 5	<0 5
Dibromomethane	ug/L	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1
Hexachlorobutadiene	ug/L	<0 6	<0 6	<0 6	<0 6	<0 6
Isopropylbenzene	ug/L	<1	<1	<1	<1	<1
m-,p-Xylene	ug/L	<2	<2	<2	<2	<2
MEK (2-Butanone)	ug/L	<10	<10	<10	<10	<10
Methyl t-butyl ether (MTBE)	ug/L	<5	<5	<5	<5	<5
Methylene chloride	ug/L	<1	<1	<1	<1	<1
MIBK (methyl isobutyl ketone)	ug/L	<10	<10	<10	<10	<10
Naphthalene	ug/L	<1	<1	<1	<1	<1
n-Butylbenzene	ug/L	<1	<1	<1	<1	<1
n-Propylbenzene	ug/L	<1	<1	<1	<1	<1
o-Xylene	ug/L	<1	<1	<1	<1	<1
p-Isopropyltoluene	ug/L	<1	<1	<1	<1	<1
sec-Butylbenzene	ug/L	<1	<1	<1	<1	<1
Styrene	ug/L	<1	<1	<1	<1	<1
tert-Butylbenzene	ug/L	<1	<1	<1	<1	<1
Tetrachloroethene	ug/L	<1	<1	<1	<1	<1
Toluene	ug/L	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ug/L	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	ug/L	<1	<1	<1	<1	<1
Trichloroethene	ug/L	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1
Vinyl acetate	ug/L	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1

Notes

< Not detected above Reporting Limit (RL)

F Concentration below RL

Q One or more quality control criteria failed

TABLE E-17
THREMAL SVE CONFIRMATION SOIL, QA ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID	TB-10-02-08	TSVE-TB-102008	TB-11-11-08	TB-11-17-08
	Lab ID	L08100125-02	L08100586-11	L08100281-08	L08110451-02
	Date	10/2/2008	10/20/2008	11/11/2008	11/17/2008
	Round	Rnd 3	Rnd 4	Rnd 5	Rnd 6
Analyte	Units				
1,1,1 2-Tetrachloroethane	ug/L	<0 5	<0 5	<0.5	<0 5
1,1,1-Trichloroethane	ug/L	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ug/L	<0 5	<0 5	<0 5	<0 5
1,1,2-Trichloroethane	ug/L	<1	<1	<1	<1
1,1-Dichloroethane	ug/L	<1	<1	<1	<1
1,1-Dichloroethene	ug/L	<1	<1	<1	<1
1,1-Dichloropropene	ug/L	<1	<1	<1	<1
1,2,3-Trichlorobenzene	ug/L	<1	<1	<1	<1
1,2,3-Trichloropropane	ug/L	<1	<1	<1	<1
1,2,4-Trichlorobenzene	ug/L	<1	<1	<1	<1
1,2,4-Trimethylbenzene	ug/L	<1	<1	<1	<1
1,2-Dibromo-3-chloropropane	ug/L	<2	<2	<2	<2
1,2-Dibromoethane	ug/L	<1	<1	<1	<1
1,2-Dichlorobenzene	ug/L	<1	<1	<1	<1
1,2-Dichloroethane	ug/L	<0 5	<0 5	<0 5	<0 5
1,2-Dichloropropane	ug/L	<1	<1	<1	<1
1,3,5-Trimethylbenzene	ug/L	<1	<1	<1	<1
1,3-Dichlorobenzene	ug/L	<1	<1	<1	<1
1,3-Dichloropropane	ug/L	<0 4	<0 4	<0 4	<0 4
1,4-Dichlorobenzene	ug/L	<0 5	1.27	0 779	3 21
1-Chlorohexane	ug/L	<1	<1	<1	<1
2,2-Dichloropropane	ug/L	<1	<1	<1	<1
2-Chlorotoluene	ug/L	<1	<1	<1	<1
2-Hexanone	ug/L	<10	<10	<10	<10
4-Chlorotoluene	ug/L	<1	<1	<1	<1
Acetone	ug/L	<10	20	4 7	38.1 Q
Benzene	ug/L	<0 4	<0 4	<0 4	0.226 F
Bromobenzene	ug/L	<1	<1	<1	<1
Bromochloromethane	ug/L	<1	<1	<1	<1
Bromodichloromethane	ug/L	<0 5	<0 5	<0 5	<0 5
Bromoform	ug/L	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1
Carbon disulfide	ug/L	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1
Chlorobenzene	ug/L	<0 5	<0 5	<0 5	<0 5
Chloroethane	ug/L	<1	<1	<1	<1
Chloroform	ug/L	<0 3	<0 3	<0.3	<0 3
Chloromethane	ug/L	<1	<1	<1	<1
cis-1,2-Dichloroethene	ug/L	<1	<1	<1	<1
cis-1,3-Dichloropropene	ug/L	<0 5	<0 5	<0 5	<0.5
Dibromochloromethane	ug/L	<0 5	<0 5	<0 5	<0 5
Dibromomethane	ug/L	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1
Hexachlorobutadiene	ug/L	<0 6	<0 6	<0 6	<0 6
Isopropylbenzene	ug/L	<1	<1	<1	<1
m-,p-Xylene	ug/L	<2	<2	<2	<2
MEK (2-Butanone)	ug/L	<10	<10	<10	7 97 F
Methyl t-butyl ether (MTBE)	ug/L	<5	<5	<5	<5
Methylene chloride	ug/L	<1	<1	<1	<1
MIBK (methyl isobutyl ketone)	ug/L	<10	<10	<10	<10
Naphthalene	ug/L	<1	<1	<1	<1
n-Butylbenzene	ug/L	<1	<1	<1	<1
n-Propylbenzene	ug/L	<1	<1	<1	<1
o-Xylene	ug/L	<1	<1	<1	<1
p-Isopropyltoluene	ug/L	<1	<1	<1	<1
sec-Butylbenzene	ug/L	<1	<1	<1	<1
Styrene	ug/L	<1	<1	<1	<1
tert-Butylbenzene	ug/L	<1	<1	<1	<1
Tetrachloroethene	ug/L	<1	<1	<1	<1
Toluene	ug/L	<1	<1	<1	0 726 F
trans-1,2-Dichloroethene	ug/L	<1	<1	<1	<1
trans-1,3-Dichloropropene	ug/L	<1	<1	<1	<1
Trichloroethene	ug/L	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1
Vinyl acetate	ug/L	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1

Notes

< Not detected above Reporting Limit (RL)

F Concentration below RL

Q One or more quality control criteria failed

TABLE E-18
THERMAL SVE WELL FIELD VAPOR SAMPLES, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Location	Influent	Influent	Influent	Influent	Influent	Influent	Influent	Influent
	Sample ID	TSVE-INF-E1	TSVE-INF-DUP-E1	TSVE-INF-E2	TSVE-INF-E3	TSVE-INF-E4	TSVE-INF-E5	TSVE-INF DUP-E5	TSVE-INF-E6
	Lab Sample ID	P0801841-006	P0801841-007	P0802003-006	P0802156-008	P0802326-008	P0802624-011	P0802624-012	P0802784-008
	Date	6/14/2008	6/14/2008	6/26/2008	7/10/2008	7/23/2008	8/8/2008	8/8/2008	8/22/2008
	Event	TSVE_E1 WEEK3	TSVE_E1 WEEK3	TSVE_E2 WEEK 5	TSVE WEEK 7	TSVE WEEK 9	TSVE WEEK 11	TSVE WEEK 11	TSVE WEEK 13
	Units								
1,1,1-Trichloroethane	ppbV	<1200	<1100	<410	<0.29	<15	<1.2	<0.31	<0.3
1,1,2,2-Tetrachloroethane	ppbV	56000	33000	20000	6.8	2500	350	11	48
1,1,2-Trichloroethane	ppbV	340 F	200 F	220 F	<0.29	3.3 F	1.1 F	0.049 F	0.18 F
1,1-Dichloroethane	ppbV	<1600	<1500	<550	<0.39	<20	<1.7	<0.42	<0.4
1,1-Dichloroethene	ppbV	<1600	<1500	<580	<0.4	<21	0.46 F	<0.43	1.3
1,2,4-Trichlorobenzene	ppbV	<850	<810	<300	0.055 F	3.8 F	0.13 F	<0.23	0.061 F
1,2,4-Trimethylbenzene	ppbV	<1300	<1200	<450	0.21 F	3.7 F	0.41 F	0.13 F	0.1 F
1,2-Dibromo-3-chloropropane	ppbV	<650	<620	<230	<0.16	<8.5	<0.7	<0.18	<0.17
1,2-Dibromoethane	ppbV	<820	<780	<290	<0.21	<11	<0.88	<0.22	<0.21
1,2-Dichlorobenzene	ppbV	<1000	<1000	<370	<0.26	<14	<1.1	<0.28	<0.27
1,2-Dichloroethane	ppbV	<1600	<1500	<550	<0.39	<20	<1.7	<0.42	<0.4
1,2-Dichloropropane	ppbV	<1400	<1300	<480	<0.34	<18	<1.5	<0.37	<0.35
1,2-Dichlorotetrafluoroethane (114)	ppbV	<900	<860	<320	<0.23	<12	<0.97	<0.24	<0.23
1,3,5-Trimethylbenzene	ppbV	<1300	<1200	<450	0.052 F	<17	0.15 F	0.036 F	0.043 F
1,3-Dichlorobenzene	ppbV	<1000	<1000	<370	<0.26	<14	<1.1	<0.28	<0.27
1,4-Dichlorobenzene	ppbV	<1000	<1000	<370	0.71	4.3 F	0.91 F	0.81	0.25 F
2-Hexanone	ppbV	<1500	<1500	<550	0.084 F	<20	0.17 F	0.1 F	<0.4
Acetone	ppbV	2100 F, B	1700 F, B	800 F, B	12 B	60 F, B	58 B	12 B	46 B
Acetonitrile	ppbV	<3800	<3600	<1300	0.48 F	<49	0.89 F	1.5	0.62 F
Acrolein	ppbV	<2700	<2600	<970	0.87	<36	2.2 F	0.79	0.98
Acrylonitrile	ppbV	<2900	<2800	<1000	<0.73	<38	<3.1	<0.78	<0.75
Allyl chloride	ppbV	<2000	<1900	<710	<0.5	<26	0.37 F	<0.54	<0.52
alpha-Pinene	ppbV	<1100	<1100	63 F	0.1 F	3.6 F	0.18 F	0.034 F	0.14 F
Benzene	ppbV	680 F	470 F	200 F	0.74	4.8 F	0.81 F	0.28 F	0.39 F
Benzyl chloride	ppbV	<1200	<1200	<430	<0.31	<16	<1.3	<0.33	<0.31
Bromodichloromethane	ppbV	<940	<900	<330	<0.24	<12	<1	<0.25	<0.24
Bromoform	ppbV	<610	<580	<220	<0.15	<8	<0.65	<0.16	<0.16
Bromomethane	ppbV	<1600	<1500	<580	<0.41	<21	<1.7	<0.44	0.091 F
Butadiene, 1,3-	ppbV	<2800	<2700	<1000	<0.71	<37	<3.1	<0.77	<0.74
Butyl acetate	ppbV	<1300	<1300	<470	0.042 F	<17	<1.4	0.062 F	<0.34
Carbon disulfide	ppbV	<2000	<1900	<720	1.6	<27	1.8 F	0.25 F	0.36 F
Carbon tetrachloride	ppbV	2700	1900	1500	0.062 F	28	2.3	0.26 F	0.67
Chlorobenzene	ppbV	<1400	<1300	<480	<0.34	<18	<1.5	0.32 F	0.13 F
Chloroethane	ppbV	<2400	<2300	<850	<0.6	<31	<2.6	0.18 F	<0.62
Chloroform	ppbV	73000	50000	34000 B	4 L	550	110	5.8	21
Chloromethane	ppbV	930 F	760 F	390 F	0.32 F	8.2 F	1 F	0.46 F	0.19 F
cis-1,2-Dichloroethene	ppbV	19000	14000	9200	0.96	140	43	2.7	7.9
cis-1,3-Dichloropropene	ppbV	<1400	<1300	<480	<0.35	<18	<1.5	<0.37	<0.36
Cyclohexane	ppbV	<1800	<1700	<650	<0.48	<24	<2	<0.49	<0.47
Dibromochloromethane	ppbV	<740	<700	<260	<0.19	<9.7	<0.79	<0.2	<0.19
Dichlorodifluoromethane	ppbV	<1300	<1200	<450	0.46	<17	0.47 F	0.43	0.43
Dioxane 1,4-	ppbV	<1700	<1700	<620	<0.44	<23	<1.9	<0.47	<0.45
Ethanol	ppbV	<17000	<16000	<5900	6.5	<220	11 F	1.5 F	5.5
Ethyl acetate	ppbV	<1700	<1700	<620	0.14 F	<23	<1.9	<0.47	0.12 F
Ethyl-4-methyl benzene, 1-	ppbV	<1300	<1200	<450	0.063 F	<17	<1.4	0.04 F	0.035 F
Ethylbenzene	ppbV	<1500	<1400	<510	0.16 F	<19	0.17 F	0.09 F	0.08 F
Heptane, n-	ppbV	<1500	<1500	<550	0.21 F	<20	<1.7	0.071 F	0.096 F
Hexachlorobutadiene	ppbV	<590	<560	<210	0.049 F	1.8 F	0.071 F	<0.16	0.022 F
Hexane, n-	ppbV	<1800	<1700	<630	0.3 F	<23	0.24 F	0.18 F	0.097 F
Isopropyl alcohol	ppbV	<2600	<2400	<910	0.73	<34	0.8 F	<0.69	0.6 F
Isopropylbenzene	ppbV	<1300	<1200	<450	<0.32	<17	<1.4	<0.35	<0.33
Limonene, d-	ppbV	<1100	<1100	<400	0.18 F	2.7 F	0.16 F	0.094 F	0.086 F
m-,p-Xylene	ppbV	<1500	<1400	<510	0.66	2.5 F	0.72 F	0.34 F	<0.38
MEK (2-Butanone)	ppbV	<2100	<2000	<760	2	5.1 F, B	4.1	1	3.1
Methyl methacrylate	ppbV	<1500	<1500	<550	<0.39	<20	<1.7	<0.42	<0.4
Methyl t-butyl ether (MTBE)	ppbV	<1700	<1700	<620	<0.44	<23	<1.9	<0.47	<0.45
Methylene chloride	ppbV	220 F	<1700	150 F	0.71	<24	0.73 F	0.15 F	0.27 F
MIBK (methyl isobutyl ketone)	ppbV	<1500	<1500	<550	0.047 F	<20	<1.7	0.048 F	0.082 F
Naphthalene	ppbV	<1200	<1100	<430	0.92 B	37	2.1	0.46	0.38
n-Nonane	ppbV	<1200	<1100	<430	0.16 F	<16	0.21 F	0.071 F	0.098 F
n-Octane	ppbV	<1300	<1300	<480	0.1 F	<18	0.15 F	0.08 F	<0.35
n-Propylbenzene	ppbV	<1300	<1200	<450	0.038 F	<17	<1.4	<0.35	<0.33
o-Xylene	ppbV	<1500	<1400	<510	0.26 F	<19	0.31 F	0.12 F	0.09 F
Propene	ppbV	2700 F	2300 F	780 F, M	0.81 F, M	7.2 F	<3.9	0.56 F	0.92 F, M
Styrene	ppbV	<1500	<1400	<520	0.043 F	<19	<1.6	0.044 F	<0.38
Tetrachloroethene	ppbV	1500	1000	1200	0.18 F	74	9.9	0.49	3.9
Tetrahydrofuran	ppbV	<2100	<2000	<760	0.13 F	<28	<2.3	<0.58	<0.55
Toluene	ppbV	190 F	<1600	63 F	1.1	<22	0.93 F	0.49	0.41 F
trans-1,2-Dichloroethene	ppbV	6500	4800	3100	0.55	58	16	1	3.9
trans-1,3-Dichloropropene	ppbV	<1400	<1300	<480	<0.35	<18	<1.5	<0.37	<0.36
Trichloro-1,2,2-trifluoroethane, 1,1,2-	ppbV	<820	<780	<290	0.077 F	<11	<0.88	0.071 F	0.068 F
Trichloroethene	ppbV	47000	33000	29000	1.8	1100	280	17	110
Trichlorofluoromethane	ppbV	<1100	<1100	<400	0.22 F, B	<15	0.21 F	0.21 F	0.22 F
Vinyl acetate	ppbV	<8900	<8500	<3200	0.47 F	<120	1.5 F	2.4 F	2.3
Vinyl chloride	ppbV	640 F	480 F	230 F	<0.62	<32	2.4 F	0.18 F	0.15 F

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
B Blank contamination

TABLE E-18
THERMAL SVE WELL FIELD VAPOR SAMPLES, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Location	Influent	Influent	Influent	Influent	TA1-A	TA1-A	TA1-A
	Sample ID	TSVE-INF-E7	TSVE-INF-E8	TSVE-INF-E9	TSVE-INF-E10	TSVE-TA1-A-E1	TSVE-TA1-A-E2	TSVE-TA1-A-E3
	Lab Sample ID	P0802941-008	P0803077-008	P0803264-008	P0803449-008	P0801841-001	P0802003-001	P0802156-001
	Date	9/5/2008	9/18/2008	10/2/2008	10/16/2008	6/14/2008	6/26/2008	7/10/2008
	Event	TSVE WEEK 15	TSVE WEEK 17	TSVE WEEK 19	TSVE WEEK 21	TSVE_E1 WEEK3	TSVE_E2 WEEK 5	TSVE WEEK 7
Analyte	Units							
1,1,1-Trichloroethane	ppbV	<7 5	<27	<3 8	<40	<320	12 F	<7 1
1,1,2,2-Tetrachloroethane	ppbV	350	2000	180	390	<250	8 7 F	<5 6
1,1,2-Trichloroethane	ppbV	<7 5	<27	1 1 F	5 6 F	<320	<95	<7 1
1,1-Dichloroethane	ppbV	<10	<37	<5 1	<54	<430	22 F	<9 5
1,1-Dichloroethene	ppbV	<10	<38	<5 2	14 F	<440	25 F	<9 7
1,2,4-Trichlorobenzene	ppbV	2 F	<20	0 28 F	<30	25 F	58 F	39
1,2,4-Trimethylbenzene	ppbV	<8 3	<30	1 2 F	<45	<360	<110	0 98 F
1,2-Dibromo-3-chloropropane	ppbV	<4 2	<15	<2 2	<23	<180	<53	<4
1,2-Dibromoethane	ppbV	<5 3	<19	<2 7	<29	<230	<67	<5
1,2-Dichlorobenzene	ppbV	<6 8	<25	<3 5	<37	<290	<86	0 67 F
1,2-Dichloroethane	ppbV	<10	<37	<5 1	<54	<430	16 F	<9 5
1,2-Dichloropropane	ppbV	<8 8	<32	<4 5	<48	<380	<110	<8 3
1,2-Dichlorotetrafluoroethane (114)	ppbV	<5 8	<21	<3	<31	<250	<74	<5 5
1,3,5-Trimethylbenzene	ppbV	<8 3	<30	0 48 F	<45	<360	<110	<7 8
1,3-Dichlorobenzene	ppbV	<6.8	<25	<3.5	<37	<290	13 F	5 6 F
1,4-Dichlorobenzene	ppbV	<6 8	<25	0 38 F	<37	<290	<86	2 8 F
2-Hexanone	ppbV	<10	<38	0 64 F	<54	<430	<130	<9 4
Acetone	ppbV	850 B	2500 B	1700 B	4900 B	1500 F, B	800 F, B	45 F, B
Acetonitrile	ppbV	14 F	25 F	19	26 F	340 F	100 F, B	3 3 F
Acrolein	ppbV	9 F	17 F	7 8 F	49 F	<760	33 F, B	<17
Acrylonitrile	ppbV	<19	<69	<9 6	<100	<810	<240	<18
Allyl chloride	ppbV	<13	<48	<6 6	<70	<560	<170	<12
alpha-Pinene	ppbV	<7 3	<27	0 37 F	12 F	<310	<93	0 75 F
Benzene	ppbV	2 8 F	7 5 F	3 F	48 F	260 F	41 F	3 6 F
Benzyl chloride	ppbV	<7 9	<29	<4	<43	<340	<100	<7 4
Bromodichloromethane	ppbV	<6 1	<22	<3 1	<33	130 F	110	2 7 F
Bromoform	ppbV	<3 9	<14	<2	<21	<170	<50	<3 7
Bromomethane	ppbV	<10	<38	<5 4	<57	<450	<130	<8 9
Butadiene, 1,3-	ppbV	<18	<67	<9 4	<99	<790	<230	<17
Butyl acetate	ppbV	<8 6	<31	<4 4	<46	<370	<110	<8 1
Carbon disulfide	ppbV	1 6 F	<48	<6 7	16 F	<560	17 F, B	36
Carbon tetrachloride	ppbV	4 8 F	7 F	0 62 F	5 8 F	13000	15000	370
Chlorobenzene	ppbV	<8 9	<32	<4 5	<48	<380	13 F	0 84 F
Chloroethane	ppbV	<15	<56	<7 9	<83	<660	<200	<15
Chloroform	ppbV	170	610	61	1300	130000	120000	2700 L
Chloromethane	ppbV	2 5 F	10 F	3 9 F	78 F	1300	690	15 F
cis-1,2-Dichloroethene	ppbV	30	79	52	600	<440	51 F	<9 7
cis-1,3-Dichloropropene	ppbV	<9	<33	<4 6	<48	<380	<110	<8 5
Cyclohexane	ppbV	<12	<43	<6	<64	<510	<150	<11
Dibromochloromethane	ppbV	<4 8	<17	<2 4	<26	<210	7 6 F	<4 5
Dichlorodifluoromethane	ppbV	<8 2	<30	0 45 F	7 1 F	<350	<100	<7 8
Dioxane 1,4-	ppbV	<11	<41	<5 8	<61	<490	<140	<11
Ethanol	ppbV	68 F	70 F	110	<580	<4600	<1400	<100
Ethyl acetate	ppbV	<11	<41	<5 8	<61	<490	<140	<11
Ethyl-4-methyl benzene, 1-	ppbV	<8 3	<30	<4 2	<45	<360	<110	<7 8
Ethylbenzene	ppbV	<9 4	<34	<4 8	<51	<400	<120	<8 9
Heptane, n-	ppbV	<9 9	<36	<5 1	<54	<430	<130	<9 4
Hexachlorobutadiene	ppbV	<3 8	<14	0 27 F	<21	<160	17 F	6 5
Hexane, n-	ppbV	<12	<42	<5 9	<62	<500	16 F	<11
Isopropyl alcohol	ppbV	8 5 F	<61	15	<90	<710	270	<16
Isopropylbenzene	ppbV	<8 3	<30	1 2 F	<45	<360	<110	<7 8
Limonene, d-*	ppbV	<7 3	<27	<3 7	7 2 F	<310	<93	<6 9
m-,p-Xylene	ppbV	<9 4	<34	1 1 F	8 4 F	<400	22 F	2 6 F
MEK (2-Butanone)	ppbV	43	77	51	240	130 F	55 F	8 8 F
Methyl methacrylate	ppbV	<10	<36	<5 1	<54	<430	<130	<9 4
Methyl t-butyl ether (MTBE)	ppbV	<11	<41	<5 8	<61	<490	<140	<11
Methylene chloride	ppbV	<12	4 3 F	1 F	22 F	330 F	260	6 9 F
MIBK (methyl isobutyl ketone)	ppbV	<9 9	<36	<5 1	<54	<430	<130	<9 4
Naphthalene	ppbV	3 2 F	4 F, B	4 9	<42	<330	<99	1 4 F, B
n-Nonane	ppbV	<7 8	<28	0 6 F	6 F	<330	<99	<7 3
n-Octane	ppbV	<8.7	<32	<4 5	<47	<370	<110	<8 2
n-Propylbenzene	ppbV	<8 3	<30	<4 2	<45	<360	<110	<7 8
o-Xylene	ppbV	<9 4	<34	0 51 F	<51	<400	<120	1 3 F
Propene	ppbV	6 F	13 F	9 2 F	120 F	210 F	230 F, M	8 8 F, M
Styrene	ppbV	<9 6	<35	<4 9	<52	<410	<120	<9
Tetrachloroethene	ppbV	20	69	7 9	58	880	580	77
Tetrahydrofuran	ppbV	<14	<51	<7 1	<75	<590	<180	<13
Toluene	ppbV	1 5 F	<40	1 5 F	18 F	51 F	15 F	3 F
trans-1,2-Dichloroethene	ppbV	10 F	27 F	16	180	<440	24 F	<9 7
trans-1,3-Dichloropropene	ppbV	<9	<33	<4 6	<48	<380	<110	<8 5
Trichloro-1,2,2-trifluoroethane, 1,1,2-	ppbV	<5 3	<19	<2 7	<29	<230	<67	<5
Trichloroethene	ppbV	320	1300	310	2900	1500	1100	33
Trichlorofluoromethane	ppbV	<7 3	<27	<3 7	<39	<310	<92	<6 9
Vinyl acetate	ppbV	31 F	72 F	60	110 F	<2500	<730	5 6 F
Vinyl chloride	ppbV	<16	<58	<8 1	<86	<680	<200	<15

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
B Blank contamination

TABLE E-18
THERMAL SVE WELL FIELD VAPOR SAMPLES, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Location	TA1-A	TA1-A	TA1-A	TA1-A	TA1-A	TA1-A	TA1-A
	Sample ID	E3	TSVE-TA1-A-E4	TSVE-TA1-A DUP-E4	TSVE-TA1-A-E5	TSVE-TA1A-E6	TSVE-TA1-A-E7	TSVE-TA1-A-E8
	Lab Sample ID	P0802156-009	P0802326-001	P0802326-009	P0802624-001	P0802784-001	P0802941-001	P0803077-001
	Date	7/10/2008	7/23/2008	7/23/2008	8/8/2008	8/22/2008	9/5/2008	9/18/2008
	Event	TSVE WEEK 7	TSVE WEEK 9	TSVE WEEK 9	TSVE WEEK 11	TSVE WEEK 13	TSVE WEEK 15	TSVE WEEK 17
	Units							
1,1,1-Trichloroethane	ppbV	<7 1	<2 9	<0 3	<3 1	<10	<7 2	<23
1,1,2,2-Tetrachloroethane	ppbV	0 8 F	<2 3	4 7	7 7	<7 9	<5 8	24
1,1,2-Trichloroethane	ppbV	<7 1	<2 9	0 045 F	<3 1	<10	<7 2	<23
1,1-Dichloroethane	ppbV	<9 5	<3 9	<0 41	<4 2	<13	<9 8	<31
1,1-Dichloroethene	ppbV	<9 7	<4	<0 41	1 2 F	2 6 F	<10	9 2 F
1,2,4-Trichlorobenzene	ppbV	14	37	0 42	58	21	23	53
1,2,4-Trimethylbenzene	ppbV	8 5	0 7 F	0 17 F	1 9 F	2 5 F	1,1 F	7 9 F
1,2-Dibromo-3-chloropropane	ppbV	<4	<1 6	<0 17	<1 8	<5 6	<4 1	<13
1,2-Dibromoethane	ppbV	<5	<2	<0 21	<2 2	<7 1	<5 1	<16
1,2-Dichlorobenzene	ppbV	<6 4	0 38 F	<0 27	0 36 F	<9	0 69 F	3 3 F
1,2-Dichloroethane	ppbV	<9 5	<3 9	<0 41	<4 2	<13	<9 8	<31
1,2-Dichloropropane	ppbV	<8 3	<3 4	<0 35	<3 7	<12	<8 6	<27
1,2-Dichlorotetrafluoroethane (114)	ppbV	<5 5	<2 2	<0 23	<2 4	<7 6	<5 7	<18
1,3,5-Trimethylbenzene	ppbV	3 1 F	0 36 F	0 047 F	0 94 F	1 3 F	<8	3 5 F
1,3-Dichlorobenzene	ppbV	1 5 F	4 4	<0 27	4	5 4 F	4 5 F	34
1,4-Dichlorobenzene	ppbV	1 2 F	1 2 F	0 45	0 82 F	1 F	0 68 F	3 4 F
2-Hexanone	ppbV	<9 4	<3 8	<0 4	1 4 F	1 6 F	<9 6	7 5 F
Acetone	ppbV	20 F, B	47 B	11 B	1400 B	1500 B	1100 B	7200 B
Acetonitrile	ppbV	<23	5 F	0 24 F	43	40	98	340
Acrolein	ppbV	<17	<6 9	0 39 F, B	24	26	8 4 F	150
Acrylonitrile	ppbV	<18	<7 2	<0 76	0 93 F	<25	4 5 F	130
Allyl chloride	ppbV	<12	<5	<0 52	<5 4	<17	<13	<40
alpha-Pinene	ppbV	1 7 F	0 3 F	0 12 F	0 32 F	1 5 F	<7 1	2 3 F
Benzene	ppbV	3 1 F	1 2 F	0 39 F	7 7	26	17	380
Benzyl chloride	ppbV	<7 4	<3	<0 32	<3 3	<10	<7 6	<24
Bromodichloromethane	ppbV	2 3 F	1 1 F	<0 24	1 6 F	1 6 F	<5 9	2 3 F
Bromoform	ppbV	<3 7	<1 5	<0 18	<1 8	<5 3	<3 8	<12
Bromomethane	ppbV	<9 9	<4	<0 42	0 59 F	1 7 F	<10	6 F
Butadiene, 1,3-	ppbV	<17	<7 1	<0 74	0 99 F	<25	<18	12 F
Butyl acetate	ppbV	<8 1	<3 3	0 17 F	<3 6	<11	<8 3	<26
Carbon disulfide	ppbV	<12	<5	4 5	4 3 F	2 6 F	<13	9 5 F
Carbon tetrachloride	ppbV	280	90	0 096 F	160	260	8	350
Chlorobenzene	ppbV	<8 4	0 42 F	<0 36	1 2 F	3 F	1 4 F	25 F
Chloroethane	ppbV	<15	<6	<0 62	0 76 F	<21	<15	6 3 F
Chloroform	ppbV	1900 L	700	0 83	670	1000	38	2300
Chloromethane	ppbV	12 F	5 3 F	0 37 F	78	180	21	2800
cis-1,2-Dichloroethene	ppbV	<9 7	<4	4 7	5 1	6 9 F	<10	10 F
cis-1,3-Dichloropropene	ppbV	<8 5	<3 5	<0 36	<3 7	<12	<8 7	<27
Cyclohexane	ppbV	<11	<4 6	<0 48	<4 9	<16	<11	<36
Dibromochloromethane	ppbV	<4 5	<1 8	<0 19	0 32 F	<6 4	<4 6	<15
Dichlorodifluoromethane	ppbV	<7 8	0 36 F	0 4	0 45 F	<11	<8	<25
Dioxane 1,4-	ppbV	<11	<4 4	<0 46	<4 7	<15	<11	<34
Ethanol	ppbV	<100	5 5 F	7 7	87	19 F	34 F	250 F
Ethyl acetate	ppbV	<11	<4 4	0 73	<4 7	<15	<11	<34
Ethyl-4-methyl benzene, 1-	ppbV	2 2 F	<3 2	0 052 F	0 44 F	<11	<8	<25
Ethylbenzene	ppbV	<8 9	<3 6	0 18 F	1 2 F	1 4 F	<9 1	10 F
Heptane, n-	ppbV	<9 4	<3 8	0 079 F	1 2 F	2 8 F	1 1 F	17 F
Hexachlorobutadiene	ppbV	2 6 F	5	0 19	3 7	1 7 F	0 6 F	1 7 F
Hexane, n-	ppbV	<11	<4 5	0 18 F	2 F	3 7 F	1 8 F	23 F
Isopropyl alcohol	ppbV	<16	<6 4	1 2	8	<22	6 7 F	<51
Isopropylbenzene	ppbV	<7 8	<3 2	<0 33	<3 5	<11	<8	<25
Limonene, d-*	ppbV	3 9 F	0 37 F	0 21 F	0 34 F	<9 8	<7 1	<22
m-,p-Xylene	ppbV	3 7 F	1 3 F	0 72	3 3 F	4 F	2 2 F	25 F
MEK (2-Butanone)	ppbV	2 5 F	3 9 F	0 59 B	76	110	48	540
Methyl methacrylate	ppbV	<9 4	<3 8	<0 4	<4 2	<13	<9 7	<30
Methyl t-butyl ether (MTBE)	ppbV	<11	<4 4	<0 46	<4 7	<15	<11	<34
Methylene chloride	ppbV	6 F	2 F	<0 47	1 6 F	4 4 F	<11	22 F
MIBK (methyl isobutyl ketone)	ppbV	<9 4	<3 8	<0 4	1 F	<13	<9 6	6 2 F
Naphthalene	ppbV	1 3 F, B	1 3 F	0 88	2 3 F	1 9 F	3 2 F	6 5 F
n-Nonane	ppbV	4 8 F	0 5 F	0 079 F	0 91 F	2 3 F	0 9 F	11 F
n-Octane	ppbV	<8 2	<3 4	0 084 F	0 82 F	1 7 F	<8 5	11 F
n-Propylbenzene	ppbV	1 3 F	<3 2	<0 33	0 39 F	<11	<8	2 6 F
o-Xylene	ppbV	1 6 F	0 57 F	0 25 F	1 4 F	2 F	1 3 F	12 F
Propene	ppbV	4 8 F, M	1 2 F	0 94 F	23	48	16 F	450
Styrene	ppbV	<9	<3 7	0 11 F	<4	<13	<9 3	<29
Tetrachloroethene	ppbV	55	29	0 65	29	42	2 6 F	67
Tetrahydrofuran	ppbV	<13	<5 3	<0 56	<5 8	<18	<13	<42
Toluene	ppbV	5 5 F	1 3 F	1 1	5 1	7 9 F	3 7 F	72
trans-1,2-Dichloroethene	ppbV	<9 7	<4	2 5	1 6 F	1 9 F	<10	9 5 F
trans-1,3-Dichloropropene	ppbV	<8 5	<3 5	<0 36	<3 7	<12	<8 7	<27
Trichloro-1,2,2-trifluoroethane, 1,1,2-	ppbV	<5	<2	0 061 F	<2 2	<7 1	<5 2	<16
Trichloroethene	ppbV	27	18	34	86	160	11	450
Trichlorofluoromethane	ppbV	<8 9	<2 8	0 17 F	<3	<9 7	<7	<22
Vinyl acetate	ppbV	<55	4 F	0 82 F	170	100	110	630 M
Vinyl chloride	ppbV	<15	<6 1	0 091 F	<6 7	<21	<15	19 F

Notes
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B Blank contamination

TABLE E-18
THERMAL SVE WELL FIELD VAPOR SAMPLES, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Location	TA1-A	TA1-A	TA1-B	TA1-B	TA1-B	TA1-B	TA1-B
	Sample ID	TSVE-TA1-A-E9	TSVE-TA1-A-E10	TSVE-TA1-B-E1	TSVE-TA1-B-E2	TSVE-TA1-B-E3	TSVE-TA1-B-E4	TSVE-TA1-B-E5
	Lab Sample ID	P0803264-001	P0803449-001	P0801841-002	P0802003-002	P0802156-002	P0802326-002	P0802624-002
	Date	10/2/2008	10/16/2008	6/14/2008	6/26/2008	7/10/2008	7/23/2008	8/8/2008
	Event	TSVE WEEK 19	TSVE WEEK 21	TSVE_E1 WEEK3	TSVE_E2 WEEK 5	TSVE WEEK 7	TSVE WEEK 9	TSVE WEEK 11
Analyte	Units							
1,1,1-Trichloroethane	ppbV	<12	<0 22	<29	<14	<1 1	<0 29	<3.2
1,1,2,2-Tetrachloroethane	ppbV	<9 5	0.07 F	<23	<11	0 12 F	<0 23	11
1,1,2-Trichloroethane	ppbV	<12	<0 22	<29	<14	<1 1	<0 29	<3.2
1,1-Dichloroethane	ppbV	<16	<0 29	<39	<18	<1 5	<0 39	<4 3
1,1-Dichloroethene	ppbV	8 7 F	<0 3	87	72	2 2	0 048 F	3 5 F
1,2,4-Trichlorobenzene	ppbV	32	<0 16	<21	<10	<0 83	0 26	6 6
1,2,4-Trimethylbenzene	ppbV	8 3 F	0 048 F	34	11 F	<1 3	0 33	2 F
1,2-Dibromo-3-chloropropane	ppbV	<6 7	<0 12	<16	<7 7	<0 84	<0 16	<1 8
1,2-Dibromoethane	ppbV	<8 5	<0 15	<21	<9 7	<0 8	<0.21	<2 3
1,2-Dichlorobenzene	ppbV	3 4 F	<0 2	<26	<12	<1	<0 26	<2 9
1,2-Dichloroethane	ppbV	<16	<0 29	<39	<18	<1 5	<0 39	<4 3
1,2-Dichloropropane	ppbV	<14	<0 26	<34	<16	<1 3	<0.34	<3 8
1,2-Dichlorotetrafluoroethane (114)	ppbV	<9 3	<0 17	<23	<11	<0.88	<0 23	<2 5
1,3,5-Trimethylbenzene	ppbV	4 F	<0 24	13 F	4 7 F	<1 3	0 23 F	1 2 F
1,3-Dichlorobenzene	ppbV	29	<0 2	<26	<12	<1	<0.26	<2 9
1,4-Dichlorobenzene	ppbV	3 3 F	0 1 F	<26	<12	<1	0 046 F	0 46 F
2-Hexanone	ppbV	4 9 F	<0 29	19 F	4 8 F	<1 5	<0 39	1 1 F
Acetone	ppbV	3200 B	3.7 B	4200 B	1800 B	<13	3 1 F, B	1200 B
Acetonitrile	ppbV	60	0 3 F	450	140 B	3 8	<0 94	10 F
Acrolein	ppbV	36	0 24 F	310	75 B	<2 7	<0 69	16
Acrylonitrile	ppbV	<30	<0.55	40 F	<34	<2.8	<0 73	<8 1
Allyl chloride	ppbV	<21	<0.38	<50	<24	<2	<0 5	<5.6
alpha-Pinene	ppbV	<12	0 032 F	110	72	3	2	15
Benzene	ppbV	81	0 17 F	1900	470	12	0 78	29
Benzyl chloride	ppbV	<13	<0.23	<31	<14	<1.2	<0 31	<3 4
Bromodichloromethane	ppbV	1 F	<0 18	<24	<11	<0 92	<0 24	<2.6
Bromoform	ppbV	<6 3	<0 12	<15	<7.2	<0 6	<0 15	<1 7
Bromomethane	ppbV	4 F	<0 31	9 5 F	<19	<1 6	<0 41	<4 5
Butadiene, 1,3-	ppbV	3 9 F	<0 54	290	20 F	0 32 F	<0 71	<7 9
Butyl acetate	ppbV	<14	<0 25	<33	<16	<1 3	<0 33	<3.7
Carbon disulfide	ppbV	5 1 F	0 87	110	89 B	3.6	0 69	46
Carbon tetrachloride	ppbV	210	0 059 F	<25	<12	<0 98	<0.25	<2.8
Chlorobenzene	ppbV	13 F	<0.26	470	260	2 1	1.4	30
Chloroethane	ppbV	<25	<0.45	<60	<28	<2 3	<0 6	<6.6
Chloroform	ppbV	2600	<0.24	39	9 7 F	1 9 L	0 54	2 5 F
Chloromethane	ppbV	690	0 27 F	280	36	1 9 F	<0.77	2.2 F
cis-1,2-Dichloroethene	ppbV	22	<0.3	1400	860	110	5 1	150
cis-1,3-Dichloropropene	ppbV	<14	<0.26	<35	<16	<1 4	<0 35	<3 9
Cyclohexane	ppbV	<19	<0.35	<46	<22	<1 8	<0.46	<5 1
Dibromochloromethane	ppbV	<7 6	<0 14	<19	<8 7	<0 72	<0 19	<2 1
Dichlorodifluoromethane	ppbV	<13	0 46	<32	<15	0 49 F	0 042 F	0.45 F
Dioxane 1,4-	ppbV	<18	<0 33	<44	<21	0 19 F	<0.44	2 5 F
Ethanol	ppbV	13 F	2 2 F	150 F	50 F	<16	<4 2	98
Ethyl acetate	ppbV	<18	0.22 F	<44	<21	<1 7	<0 44	<4 9
Ethyl-4-methyl benzene, 1-	ppbV	1.4 F	<0.24	12 F	3 3 F	<1 3	0 056 F	0 5 F
Ethylbenzene	ppbV	4 6 F	0 054 F	89	17	0 88 F	0 11 F	1 9 F
Heptane, n-	ppbV	7 9 F	0 092 F	85	27	4 1	0 07 F	1 9 F
Hexachlorobutadiene	ppbV	1 7 F	<0 11	<15	<7	<0 58	0 037 F	0 27 F
Hexane, n-	ppbV	9 6 F	0 15 F	130	44	1 7 F	<0.45	2 9 F
Isopropyl alcohol	ppbV	<26	0 13 F	<64	<30	<2 5	<0 64	14
Isopropylbenzene	ppbV	<13	<0 24	7 1 F	1 7 F	<1 3	<0 32	<3.6
Limonene, d-*	ppbV	<12	0 029 F	9 8 F	8 2 F	<1 1	0 84	2 5 F
m-,p-Xylene	ppbV	16	0 19 F	190	52	4.6	0 54	6.5
MEK (2-Butanone)	ppbV	290	0 3 F	810	280	<2.1	0 34 F	99
Methyl methacrylate	ppbV	<16	<0.29	<39	<18	<1 5	<0 39	<4 3
Methyl t-butyl ether (MTBE)	ppbV	<18	<0 33	<44	<21	<1 7	<0 44	<4 9
Methylene chloride	ppbV	12 F	0 057 F	<45	<21	1 F	<0.45	<5
MIBK (methyl isobutyl ketone)	ppbV	4 F	<0 29	12 F	4 7 F	0 39 F	<0.39	1 5 F
Naphthalene	ppbV	2 9 F	0 057 F	130	48	<1 2	0 9	14
n-Nonane	ppbV	7 2 F	0 031 F	41	8 7 F	0 54 F	0 27 F	2 F
n-Octane	ppbV	5 1 F	<0.25	58	13 F	2 7	0 083 F	1 5 F
n-Propylbenzene	ppbV	1 5 F	<0 24	14 F	3 F	<1 3	0 044 F	<3 6
o-Xylene	ppbV	7 1 F	0 067 F	94	22	0 94 F	0 27 F	2 9 F
Propene	ppbV	130	0 26 F	5100	1200 M	15 M	0 38 F	20
Styrene	ppbV	<15	0 15 F	32 F	2 6 F	<1.4	<0 37	0 42 F
Tetrachloroethene	ppbV	38	0 048 F	1600	820	35	5 5	130
Tetrahydrofuran	ppbV	<22	<0 4	110	96	0 57 F	<0 54	<5.9
Toluene	ppbV	26	0 53	660	110	32	0 4 F	11
trans-1,2-Dichloroethene	ppbV	4 1 F	<0 3	130	77	8.7	0 36 F	14
trans-1,3-Dichloropropene	ppbV	<14	<0.26	<35	<16	<1 4	<0 35	<3 9
Trichloro-1,2,2-trifluoroethane, 1,1,2-	ppbV	<8 5	0 064 F	<21	<9 7	<0 8	<0.21	<2 3
Trichloroethene	ppbV	500	0 058 F	880	450	42	2 1	88
Trichlorofluoromethane	ppbV	<12	0 21 F	<28	<13	0 26 F, B	<0.28	<3 1
Vinyl acetate	ppbV	170	0 56 F	460	220	<8 8	<2 2	150
Vinyl chloride	ppbV	5 1 F	<0.47	57 F	34	5 2	<0 62	0 98 F

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
B Blank contamination

TABLE E-18
THERMAL SVE WELL FIELD VAPOR SAMPLES, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Location	TA1-B	TA1-B	TA1-B	TA1-B	TA1-B	TA1-B	TA1-C
	Sample ID	TSVE-TA1B-E6	TSVE-TA1-B-E7	TSVE TA1-B DUP-E7	TSVE-TA1-B-E8	TSVE-TA1-B-E9	TSVE-TA1-B-E10	TSVE-TA1-C-E1
	Lab Sample ID	P0802784-002	P0802941-002	P0802941-009	P0803077-002	P0803284-002	P0803449-002	P0801841-003
	Date	8/22/2008	9/5/2008	9/5/2008	9/18/2008	10/2/2008	10/16/2008	6/14/2008
	Event	TSVE WEEK 13	TSVE WEEK 15	TSVE WEEK 15	TSVE WEEK 17	TSVE WEEK 19	TSVE WEEK 21	TSVE_E1 WEEK3
	Units							
1,1,1-Trichloroethane	ppbV	<12	<30	<180	<8 7	<2,1	<1 3	<1200
1,1,2,2-Tetrachloroethane	ppbV	0 99 F	<24	<140	<6 9	0 86 F	<1	15000
1,1,2-Trichloroethane	ppbV	1 3 F	<30	<180	<8 7	<2 1	<1 3	250 F
1,1-Dichloroethane	ppbV	<16	<41	<240	<12	<2 8	<1 8	<1600
1,1-Dichloroethene	ppbV	48	30 F	190 F	9 5 F	1 8 F	0 31 F	260 F
1 2,4-Trichlorobenzene	ppbV	<8 9	<22	<130	<6 4	<1 5	<0 96	<900
1,2,4-Trimethylbenzene	ppbV	19	28 F	180 F	8 1 F	1 8 F	1 1 F	<1400
1,2-Dibromo-3-chloropropane	ppbV	<6 8	<17	<100	<4 9	<1 2	<0 74	<690
1,2-Dibromoethane	ppbV	<8 6	<21	<130	<6 2	<1 5	<0 93	<870
1,2-Dichlorobenzene	ppbV	<11	<27	<160	<7 9	<1 9	<1 2	<1100
1,2-Dichloroethane	ppbV	<16	<41	<240	<12	<2 8	<1 8	<1600
1,2-Dichloropropane	ppbV	<14	<35	<210	<10	<2 4	<1 5	<1400
1,2-Dichlorotetrafluoroethane (114)	ppbV	<9 4	<23	<140	<6 8	<1 6	<1	<950
1,3,5-Trimethylbenzene	ppbV	12 F	13 F	80 F	3 3 F	0 7 F	0 45 F	<1400
1,3-Dichlorobenzene	ppbV	<11	<27	<160	<7 9	<1 9	<1 2	<1100
1,4-Dichlorobenzene	ppbV	<11	<27	<160	<7,9	0 8 F	0.24 F	<1100
2-Hexanone	ppbV	13 F	9.3 F, M	57 F, M	4 7 F	1 3 F	0 66 F	<1600
Acetone	ppbV	9600 B	5300 B	28000 B	5200 B	2200 B	1200 B	2400 F, B
Acetonitrile	ppbV	50	53 F	300 F	88	41	23	<4000
Acrolein	ppbV	210	140	430	36	22	9 7	<2900
Acrylonitrile	ppbV	<30	<76	<450	<22	<5 2	<3 3	<3100
Allyl chloride	ppbV	<21	<52	<310	<15	<3 6	<2 3	<2100
alpha-Pinene	ppbV	160	63	410	16	3 7	2 7	<1200
Benzene	ppbV	430	3300	22000	360	13	2 5	320 F
Benzyl chloride	ppbV	<13	<32	<190	<9,1	<2 2	<1 4	<1300
Bromodichloromethane	ppbV	<9 9	<24	<140	<7 1	<1 7	<1 1	<1000
Bromoform	ppbV	<6 4	<16	<94	<4 6	<1 1	<0 69	<650
Bromomethane	ppbV	3 8 F	5 2 F	<250	2 7 F	0 4 F	<1 8	<1700
Butadiene, 1,3-	ppbV	6 4 F	65 F	370 F	3 F	<5 1	<3 2	<3000
Butyl acetate	ppbV	<14	<35	<200	<10	<2 4	<1 5	<1400
Carbon disulfide	ppbV	100	52 F	330	9 1 F	3 F	2 F	<2100
Carbon tetrachloride	ppbV	<10	<26	<150	<7 5	0 22 F	<1 1	<1100
Chlorobenzene	ppbV	400	250	1700	66	19	7	<1400
Chloroethane	ppbV	<25	<62	<370	<18	<4 3	<2 7	<2500
Chloroform	ppbV	12 F	<34	<200	<9 7	0 38 F	<1,5	1700
Chloromethane	ppbV	42	110	690	12 F	2 F	0 83 F	500 F
cis-1,2-Dichloroethene	ppbV	2000	1000	7000	130	43	22	54000
cis-1,3-Dichloropropene	ppbV	<15	<36	<210	<10	<2 5	<1 8	<1500
Cyclohexane	ppbV	<19	<48	<280	<14	<3 3	<2 1	<1900
Dibromochloromethane	ppbV	<7 8	<19	<110	<5 6	<1 3	<0 84	<780
Dichlorodifluoromethane	ppbV	<13	<33	<200	<9 6	0 56 F	0.44 F	<1300
Dioxane 1,4-	ppbV	4 3 F	<46	<270	3 2 F, L	1 9 F	1,1 F	<1900
Ethanol	ppbV	210	72 F	290 F	210	140	120	<18000
Ethyl acetate	ppbV	<18	<46	<270	<13	<3 1	0 37 F	<1900
Ethyl-4-methyl benzene, 1-	ppbV	4 4 F	9 3 F	55 F	1 8 F	0 28 F	0 18 F	<1400
Ethylbenzene	ppbV	22	77	510	11 F	1 F	0 52 F	<1500
Heptane, n-	ppbV	23	96	660	8 4 F	0 44 F	0 17 F	<1600
Hexachlorobutadiene	ppbV	<6 2	<15	<91	<4 4	<1 1	<0 67	<630
Hexane, n-	ppbV	29	160	1000	12 F	0 83 F	<2	<1900
Isopropyl alcohol	ppbV	44	<67	<390	19 F	21	15	<2700
Isopropylbenzene	ppbV	2 7 F	9 5 F	55 F	1 3 F	0 32 F	<1 5	<1400
Limonene, d-*	ppbV	30	16 F	94 F	8 6 F	2 1	2	<1200
m-,p-Xylene	ppbV	75	130	860	24	3 3	1 4 F	<1500
MEK (2-Butanone)	ppbV	1000	500	2700	410	240	94	<2300
Methyl methacrylate	ppbV	<16	<40	<240	<12	<2 7	<1 7	<1600
Methyl t-butyl ether (MTBE)	ppbV	<18	<46	<270	<13	<3 1	<2	<1800
Methylene chloride	ppbV	<19	<47	<280	<14	<3.2	9	<1900
MIBK (methyl isobutyl ketone)	ppbV	21	12 F	68 F	4 5 F	2 2 F	0 98 F	<1600
Naphthalene	ppbV	76	57	320	71 B	20	6 9	<1300
n-Nonane	ppbV	20	38	250	6 4 F	0 67 F	0 34 F	<1300
n-Octane	ppbV	16	55	370	6 4 F	0 38 F	<1 5	<1400
n-Propylbenzene	ppbV	3 9 F	12 F	71 F	1 9 F	0 28 F	0 25 F	<1400
o-Xylene	ppbV	33	72	470	14	1 7 F	0 71 F	<1500
Propene	ppbV	350	2200	15000	130	18	7 2	1400 F
Styrene	ppbV	2 6 F	7 7 F	49 F	1 4 F	<2 6	0 25 F	<1600
Tetrachloroethene	ppbV	1200	530	3600	110	27	12	1500
Tetrahydrofuran	ppbV	6 9 F	<56	<330	<16	1 1 F	0 32 F	<2300
Toluene	ppbV	140	630	4200	87	5 7	1 7 F	<1800
trans-1,2-Dichloroethene	ppbV	360	220	1500	25	8 3	6 1	23000
trans-1,3-Dichloropropene	ppbV	<15	<36	<210	<10	<2 5	<1 8	<1500
Trichloro-1,2,2-trifluoroethane, 1,1,2-	ppbV	<8.6	<21	<130	<6.2	<1 5	<0 93	<870
Trichloroethene	ppbV	1800	1200	8300	130	35	32	140000
Trichlorofluoromethane	ppbV	<12	<29	<170	<8 4	0 23 F	0 19 F	<1200
Vinyl acetate	ppbV	580	240 M	1100 F, M	270	200	140	<9500
Vinyl chloride	ppbV	51	53 F	340 F	2 7 F	1 7 F	0 93 F	6000

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
B Blank contamination

TABLE E-18
THERMAL SVE WELL FIELD VAPOR SAMPLES, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Location	TA1-C	TA1-C	TA1-C	TA1-C	TA1-C	TA1-C	TA1-C
	Sample ID	TSVE-TA1-C-E2	TSVE-TA1-C-E3	TSVE-TA1-C-E4	TSVE-TA1-C-E5	TSVE-TA1-C-WO-E5	TSVE-TA1C-E8	TSVE-TA1-C DUP-E8
	Lab Sample ID	P0802003-003	P0802156-003	P0802326-003	P0802624-003	P0802624-004	P0802784-003	P0802784-009
	Date	6/26/2008	7/10/2008	7/23/2008	8/8/2008	8/8/2008	8/22/2008	8/22/2008
	Event	TSVE_E2 WEEK 5	TSVE WEEK 7	TSVE WEEK 9	TSVE WEEK 11	TSVE WEEK 11	TSVE WEEK 13	TSVE WEEK 13
	Units							
1,1,1-Trichloroethane	ppbV	<90	<5 2	<200	<110	<690	<26	<1400
1,1,2,2-Tetrachloroethane	ppbV	15000	170	6600	2100	26000	1700	4800
1,1,2-Trichloroethane	ppbV	170	1 2 F	180 F	19 F	610 F	35	170 F
1,1-Dichloroethane	ppbV	<120	<7	<270	<150	<930	<35	<1900
1,1-Dichloroethene	ppbV	140	<7 1	260 F	<160	540 F	55	250 F
1,2,4-Trichlorobenzene	ppbV	<66	0 51 F	<150	<84	<510	<19	<1000
1,2,4-Trimethylbenzene	ppbV	<100	0 8 F	<220	<130	<770	6 F	<1500
1,2-Dibromo-3-chloropropane	ppbV	<51	<2 9	<110	<64	<390	<14	<780
1,2-Dibromoethane	ppbV	<64	<3 7	<140	<81	<490	<18	<980
1,2-Dichlorobenzene	ppbV	<82	<4 7	<180	<100	<630	<23	<1300
1,2-Dichloroethane	ppbV	<120	<7	<270	<150	<930	<35	<1900
1,2-Dichloropropane	ppbV	<110	<6 1	<240	<130	<810	<30	<1600
1,2-Dichlorotetrafluoroethane (114)	ppbV	<70	<4	<160	<89	<540	<20	<1100
1,3,5-Trimethylbenzene	ppbV	<100	<5 7	<220	<130	<770	<28	<1500
1,3-Dichlorobenzene	ppbV	<82	<4 7	<180	<100	<630	<23	<1300
1,4-Dichlorobenzene	ppbV	<82	0 76 F	<180	<100	<630	<23	<1300
2-Hexanone	ppbV	<120	<6 9	<270	<150	<920	3 7 F	<1800
Acetone	ppbV	580 F, B	54 F, B	800 F, B	470 F, B	3500 F, B	1200 B	5600 F, B
Acetonitrile	ppbV	<290	<17	<650	<370	260 F	11 F	<4500
Acrolein	ppbV	26 F, B	<12	<470	<270	<1600	20 F	<3300
Acrylonitrile	ppbV	<230	<13	<500	<290	<1700	<65	<3500
Allyl chloride	ppbV	<160	<9	<350	<200	<1200	<45	<2400
alpha-Pinene	ppbV	<88	<5 1	<200	<110	<680	5 1 F	<1400
Benzene	ppbV	110 F	1 9 F	120 F	<190	160 F	64	<2400
Benzyl chloride	ppbV	<95	<5 4	<210	<120	<730	<27	<1500
Bromodichloromethane	ppbV	<73	<4 2	<160	<93	<560	<21	<1100
Bromoform	ppbV	<48	<2 7	<110	<60	<360	<14	<730
Bromomethane	ppbV	<130	<7 3	<280	<160	<970	<36	<1900
Butadiene, 1,3-	ppbV	<220	<13	<480	<280	<1700	<63	<3400
Butyl acetate	ppbV	<100	<5 9	<230	<130	<790	<29	<1600
Carbon disulfide	ppbV	54 F, B	<9	<350	<200	210 F	25 F	310 F
Carbon tetrachloride	ppbV	210	<4 5	120 F	<99	<600	4 1 F	<1200
Chlorobenzene	ppbV	12 F	<6 1	<240	<130	<820	4 7 F	<1600
Chloroethane	ppbV	<190	<11	<410	<240	<1400	<53	<2900
Chloroform	ppbV	1800	11 L	1500	<130	230 F	19 F	780 F
Chloromethane	ppbV	140 F	2 1 F	160 F	<300	310 F	60 F	<3600
cis-1,2-Dichloroethene	ppbV	24000	120	28000	2100	92000	3800	21000
cis-1,3-Dichloropropene	ppbV	<110	<6.2	<240	<140	<830	<31	<1700
Cyclohexane	ppbV	<140	<8.2	<320	<180	<1100	<41	<2200
Dibromochloromethane	ppbV	<58	<3 3	<130	<73	<440	<16	<880
Dichlorodifluoromethane	ppbV	<99	0 65 F	67 F	<130	<760	9 9 F	<1500
Dioxane 1,4-	ppbV	<140	<7 8	<300	<170	<1000	<39	<2100
Ethanol	ppbV	<1300	18 F	<2900	<1600	<10000	42 F	<20000
Ethyl acetate	ppbV	<140	<7 8	<300	<170	<1000	<39	<2100
Ethyl-4-methyl benzene, 1-	ppbV	<100	<5 7	<220	<130	<770	<28	<1500
Ethylbenzene	ppbV	<110	1 3 F	<250	<140	<870	8 8 F	<1700
Heptane, n-	ppbV	<120	<6 9	<270	<150	<920	4 2 F	<1800
Hexachlorobutadiene	ppbV	<46	<2 6	<100	<58	<350	<13	<710
Hexane, n-	ppbV	<140	1 F	<310	<180	<1100	5 5 F	<2100
Isopropyl alcohol	ppbV	<200	3 3 F	<440	<250	<1500	<57	<3100
Isopropylbenzene	ppbV	<100	<5 7	<220	<130	<770	<28	<1500
Limonene, d-	ppbV	<88	<5 1	<200	<110	<680	<25	<1400
m-,p-Xylene	ppbV	18 F	4 9 F	<250	<140	<870	18 F	<1700
MEK (2-Butanone)	ppbV	65 F	8 F	85 F	38 F	430 F	170	510 F
Methyl methacrylate	ppbV	<120	<6 9	<270	<150	<920	<34	<1800
Methyl t-butyl ether (MTBE)	ppbV	<140	<7 8	<300	<170	<1000	<39	<2100
Methylene chloride	ppbV	16 F	2 4 F	<310	20 F	<1100	<40	300 F
MIBK (methyl isobutyl ketone)	ppbV	<120	<6 9	<270	<150	<920	4 7 F	<1800
Naphthalene	ppbV	<94	0 86 F, B	<210	<120	<720	2 8 F	<1400
n-Nonane	ppbV	<94	<5 4	<210	<120	<720	6 1 F	<1400
n-Octane	ppbV	<110	<6	<230	<130	<810	3 4 F	<1600
n-Propylbenzene	ppbV	<100	<5 7	<220	<130	<770	<28	<1500
o-Xylene	ppbV	<110	2 F	<250	<140	<870	7 5 F	<1700
Propene	ppbV	350 M	2 8 F, M	310 F	<360	500 F	240	730 F
Styrene	ppbV	<120	<6 6	<260	<150	<880	<33	<1800
Tetrachloroethene	ppbV	690	7 8	1100	86 F	3000	160	1000 F
Tetrahydrofuran	ppbV	<170	<9 6	<370	<210	<1300	<47	<2600
Toluene	ppbV	33 F	24	61 F	<160	110 F	34 F	<2000
trans-1,2-Dichloroethene	ppbV	11000	65	15000	740	35000	1300	12000
trans-1,3-Dichloropropene	ppbV	<110	<6 2	<240	<140	<830	<31	<1700
Trichloro-1,2,2-trifluoroethane, 1,1,2-	ppbV	<64	<3 7	<140	<81	<490	<18	<980
Trichloroethene	ppbV	62000	530	94000	10000	440000	15000	120000
Trichlorofluoromethane	ppbV	<87	<5	23 F	<110	<670	<25	<1300
Vinyl acetate	ppbV	<700	2 6 F	<1500	<880	<5300	34 F	<11000
Vinyl chloride	ppbV	2200	12	3600	180 F	6500	78	580 F

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
B Blank contamination

TABLE E-18
THERMAL SVE WELL FIELD VAPOR SAMPLES, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Location	TA1-C	TA1-C	TA1-C	TA1-C	TA1-C	TA1-E	TA1-E
	Sample ID	TSVE-TA1-C-E7	TSVE-TA1-C-E8	TSVE-TA1-C-E9	TSVE-TA1-C-E10	TSVE-TA1-C-DUP-E10	TSVE-TA1-E-E1	TSVE-TA1-E-E2
	Lab Sample ID	P0802941-003	P0803077-003	P0803264-003	P0803449-003	P0803449-009	P0801841-004	P0802003-004
	Date	9/5/2008	9/18/2008	10/2/2008	10/16/2008	10/16/2008	8/14/2008	8/26/2008
	Event	TSVE WEEK 15	TSVE WEEK 17	TSVE WEEK 19	TSVE WEEK 21	TSVE WEEK 21	TSVE_E1 WEEK3	TSVE_E2 WEEK 5
	Units							
1,1,1-Trichloroethane	ppbV	<34	<9.4	<29	<260	<270	<3200	<3000
1,1,2,2-Tetrachloroethane	ppbV	370	340	620	2800	3400	230000	150000
1,1,2-Trichloroethane	ppbV	8.3 F	7.9 F	10 F	43 F	60 F	1800 F	920 F
1,1-Dichloroethane	ppbV	<46	<13	<39	<360	<360	<4300	<4000
1,1-Dichloroethene	ppbV	<47	6.6 F	<40	<360	61 F	<4400	<4100
1,2,4-Trichlorobenzene	ppbV	<25	<6.9	<21	<190	<200	<2300	<2200
1,2,4-Trimethylbenzene	ppbV	<38	1.9 F	<32	<290	<300	<3500	<3300
1,2-Dibromo-3-chloropropane	ppbV	<19	<5.3	<16	<150	<150	<1800	<1700
1,2-Dibromoethane	ppbV	<24	<6.8	<20	<190	<190	<2300	<2100
1,2-Dichlorobenzene	ppbV	<31	<8.5	<26	<240	<240	<2900	<2700
1,2-Dichloroethane	ppbV	<46	<13	<39	<360	<360	<4300	<4000
1,2-Dichloropropane	ppbV	<40	<11	<34	<310	<320	<3700	<3500
1,2-Dichlorotetrafluoroethane (114)	ppbV	<27	<7.3	<22	<210	<210	<2500	<2300
1,3,5-Trimethylbenzene	ppbV	<38	<10	<32	<290	<300	<3500	<3300
1,3-Dichlorobenzene	ppbV	<31	<8.5	<26	<240	<240	<2900	<2700
1,4-Dichlorobenzene	ppbV	<31	<8.5	<26	<240	<240	<2900	<2700
2-Hexanone	ppbV	<45	<12	<38	<350	<360	<4200	<3900
Acetone	ppbV	650 B	680 B	600 B	5600 B	6600 B	3400 F, B	3400 F, B
Acetonitrile	ppbV	<110	8.2 F	<94	<860	89 F	<10000	<9600
Acrolein	ppbV	<81	2.6 F	<69	<630	<640	<7500	<7000
Acrylonitrile	ppbV	<86	<24	<72	<660	<670	<8000	<7400
Allyl chloride	ppbV	<59	<16	<50	<460	<470	<5500	<5100
alpha-Pinene	ppbV	<33	<9.2	<28	<260	<260	<3100	<2900
Benzene	ppbV	8.9 F	6.6 F	8.3 F	130 F	180 F	980 F	590 F
Benzyl chloride	ppbV	<36	<9.9	<30	<280	<280	<3300	<3100
Bromodichloromethane	ppbV	<28	<7.6	<23	<220	<220	<2600	<2400
Bromoform	ppbV	<18	<4.9	<15	<140	<140	<1700	<1600
Bromomethane	ppbV	<48	<13	<40	<370	<380	<4500	<4100
Butadiene, 1,3-	ppbV	<84	<23	<71	<650	<660	<7800	<7300
Butyl acetate	ppbV	<39	<11	<33	<300	<310	<3600	<3400
Carbon disulfide	ppbV	<60	4.4 F	<50	<460	62 F	<5600	<5200
Carbon tetrachloride	ppbV	<30	<8.1	<25	<230	<230	<2800	<2600
Chlorobenzene	ppbV	<40	1.3 F	<34	<310	<320	<3800	<3500
Chloroethane	ppbV	<70	<19	<60	<550	<550	<6600	<6100
Chloroform	ppbV	<38	2.1 F	<32	<290	<300	480 F	390 F, B
Chloromethane	ppbV	<90	4.8 F	9.7 F	160 F	220 F	<8400	<7800
cis-1,2-Dichloroethene	ppbV	700	590	480	3600	5100	91000	34000
cis-1,3-Dichloropropene	ppbV	<41	<11	<35	<320	<320	<3800	<3500
Cyclohexane	ppbV	<54	<15	<46	<420	<420	<5000	<4700
Dibromochloromethane	ppbV	<22	<6	<18	<170	<170	<2000	<1900
Dichlorodifluoromethane	ppbV	<38	<10	<32	<290	<300	<3500	<3300
Dioxane 1,4-	ppbV	<52	<14	<44	<400	<410	<4800	<4500
Ethanol	ppbV	110 F	170	130 F	<3800	<3900	<46000	<43000
Ethyl acetate	ppbV	<52	<14	<44	<400	<410	<4800	<4500
Ethyl-4-methyl benzene, 1-	ppbV	<38	<10	<32	<290	<300	<3500	<3300
Ethylbenzene	ppbV	<43	<12	<36	<330	<340	<4000	<3700
Heptane, n-	ppbV	<45	<12	<38	<350	43 F	<4200	<3900
Hexachlorobutadiene	ppbV	<17	<4.8	<15	<140	<140	<1600	<1500
Hexane, n-	ppbV	<53	<14	<45	<410	65 F	<4900	<4600
Isopropyl alcohol	ppbV	<76	18 F	<64	<590	<590	<7000	<6600
Isopropylbenzene	ppbV	<38	<10	<32	<290	<300	<3500	<3300
Limonene, d-*	ppbV	<33	<9.2	<28	<260	<260	<3100	<2900
m-,p-Xylene	ppbV	5.7 F	2.5 F	<36	<330	<340	<4000	<3700
MEK (2-Butanone)	ppbV	83 F	72	82	510	700	<5900	<5500
Methyl methacrylate	ppbV	<45	<12	<38	<350	<360	<4200	<3900
Methyl t-butyl ether (MTBE)	ppbV	<51	<14	<44	<400	<410	<4800	<4500
Methylene chloride	ppbV	<53	<15	<45	<410	<420	<5000	<4600
MIBK (methyl isobutyl ketone)	ppbV	<45	<12	<38	<350	<360	<4200	<3900
Naphthalene	ppbV	<35	5.7 F, B	3.1 F, B	<270	<280	530 F	<3100
n-Nonane	ppbV	<35	<9.7	<30	<270	45 F	<3300	<3100
n-Octane	ppbV	<40	<11	<34	<310	35 F	<3700	<3400
n-Propylbenzene	ppbV	<38	<10	<32	<290	<300	<3500	<3300
o-Xylene	ppbV	<43	1.2 F	<36	<330	<340	<4000	<3700
Propene	ppbV	19 F	12 F	24 F, M	410 F	530 F	2100 F	1300 F, M
Styrene	ppbV	<44	<12	<37	<340	<340	<4100	<3800
Tetrachloroethene	ppbV	31	35	23	180 F	230	2900	1900 F
Tetrahydrofuran	ppbV	<63	<17	<53	<490	<500	<5900	<5500
Toluene	ppbV	5.7 F	4.8 F	6.5 F	73 F	100 F	<4600	<4300
trans-1,2-Dichloroethene	ppbV	250	230	150	1100	1800	27000	9800
trans-1,3-Dichloropropene	ppbV	<41	<11	<35	<320	<320	<3800	<3500
Trichloro-1,2,2-trifluoroethane, 1,1,2-	ppbV	<24	<6.7	<20	<190	<190	<2300	<2100
Trichloroethene	ppbV	3100	2600 L	2200	19000	24000	190000	78000
Trichlorofluoromethane	ppbV	<33	<9.1	<28	<260	<260	370 F	<2900
Vinyl acetate	ppbV	25 F	47 F	38 F	<2000	150 F	<25000	<23000
Vinyl chloride	ppbV	13 F	11 F	<61	97 F	120 F	<6800	<6300

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
B Blank contamination

10001410

TABLE E-18
THERMAL SVE WELL FIELD VAPOR SAMPLES, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Location	TA1-E	TA1-E	TA1-E	TA1-E	TA1-E	TA1-E	TA1-E
	Sample ID	TSVE-TA1-E-E3	TSVE-TA1-E-E4	TSVE-TA1-E-E5	TSVE-TA1-E-WO-E5	TSVE-TA1E-E6	TSVE-TA1-E-E7	TSVE-TA1-E-E8
	Lab Sample ID	P0802156-004	P0802326-004	P0802624-005	P0802624-006	P0802784-004	P0802941-004	P0803077-004
	Date	7/10/2008	7/23/2008	8/8/2008	8/8/2008	8/22/2008	9/5/2008	9/18/2008
	Event	TSVE WEEK 7	TSVE WEEK 9	TSVE WEEK 11	TSVE WEEK 11	TSVE WEEK 13	TSVE WEEK 15	TSVE WEEK 17
Analyte	Units							
1,1,1-Trichloroethane	ppbV	<7.4	<200	<300	<1700	<300	<850	<2000
1,1,2,2-Tetrachloroethane	ppbV	5000	13000	27000	580000	77000	330 F	230000
1,1,2-Trichloroethane	ppbV	8	<200	130 F	2000	160 F	180 F	<2000
1,1-Dichloroethane	ppbV	<10	<270	<410	<2300	<410	<1100	<2700
1,1-Dichloroethene	ppbV	<10	<280	<420	420 F	98 F	470 F	470 F
1,2,4-Trichlorobenzene	ppbV	<5.5	<150	<220	<1300	<220	<630	<1500
1,2,4-Trimethylbenzene	ppbV	1.6 F	<220	<340	<1900	<330	<950	<2200
1,2-Dibromo-3-chloropropane	ppbV	<4.2	<110	<170	<960	<170	<480	<1100
1,2-Dibromoethane	ppbV	<5.3	<140	<210	<1200	<210	<610	<1400
1,2-Dichlorobenzene	ppbV	<6.7	<180	<270	<1500	<270	<770	<1800
1,2-Dichloroethane	ppbV	<10	<270	<410	<2300	<410	<1100	<2700
1,2-Dichloropropane	ppbV	<8.8	<240	<360	<2000	<350	<1000	<2400
1,2-Dichlorotetrafluoroethane (114)	ppbV	<5.8	<160	<240	<1300	<230	<670	<1600
1,3,5-Trimethylbenzene	ppbV	<8.2	<220	<340	<1900	<330	<950	<2200
1,3-Dichlorobenzene	ppbV	<6.7	<180	<270	<1500	<270	<770	<1800
1,4-Dichlorobenzene	ppbV	0.88 F	<180	<270	<1500	<270	<770	<1800
2-Hexanone	ppbV	<9.9	<270	<400	<2300	<400	<1100	<2700
Acetone	ppbV	190 B	310 F, B	2900 F, B	18000 F, B	7300 B	32000 B	19000 F, B
Acetonitrile	ppbV	6.9 F	<660	200 F	<5500	<980	<2800	<6500
Acrolein	ppbV	13 F	<480	<720	<4100	91 F	260 F	<4800
Acrylonitrile	ppbV	<19	<510	<760	<4300	<760	<2100	<5000
Allyl chloride	ppbV	<13	<350	<530	<3000	<520	<1500	<3500
alpha-Pinene	ppbV	9.2	25 F	<300	260 F	71 F	330 F	<2000
Benzene	ppbV	7.5 F	<340	<520	500 F	160 F	1200 F	980 F
Benzyl chloride	ppbV	<7.8	<210	<320	<1800	<320	<900	<2100
Bromodichloromethane	ppbV	<6	<160	<250	<1400	<240	<690	<1600
Bromoform	ppbV	<3.9	<110	<160	<900	<160	<450	<1100
Bromomethane	ppbV	<10	<280	<430	<2400	<420	<1200	<2800
Butadiene, 1,3-	ppbV	<18	<500	<750	<4200	<740	<2100	<4900
Butyl acetate	ppbV	<8.5	<230	<350	<2000	<350	<980	<2300
Carbon disulfide	ppbV	2.2 F	<350	68 F	610 F	230 F	460 F	550 F
Carbon tetrachloride	ppbV	<6.4	<170	<260	<1500	<260	<740	<1700
Chlorobenzene	ppbV	<8.8	<240	<360	<2000	<360	<1000	<2400
Chloroethane	ppbV	<15	<420	<630	<3500	<620	<1800	<4100
Chloroform	ppbV	2.8 F, L	<230	<340	<1900	<340	<950	<2200
Chloromethane	ppbV	5 F	<530	<800	600 F	190 F	1200 F	1200 F
cis-1,2-Dichloroethene	ppbV	180	360	980	16000	3800	16000	14000
cis-1,3-Dichloropropene	ppbV	<8.9	<240	<360	<2000	<360	<1000	<2400
Cyclohexane	ppbV	<12	<320	<480	<2700	<480	<1400	<3200
Dibromochloromethane	ppbV	<4.8	<130	<190	<1100	<190	<550	<1300
Dichlorodifluoromethane	ppbV	<8.2	55 F	<330	<1900	<330	<940	<2200
Dioxane 1,4-	ppbV	<11	<310	<460	<2600	<460	<1300	<3000
Ethanol	ppbV	63 F	<2900	<4400	<25000	250 F	<12000	<29000
Ethyl acetate	ppbV	<11	<310	<460	<2600	<460	<1300	<3000
Ethyl-4-methyl benzene, 1-	ppbV	<8.2	<220	<340	<1900	<330	<950	<2200
Ethylbenzene	ppbV	1.1 F	<250	<380	<2100	<380	<1100	<2500
Heptane, n-	ppbV	<9.9	<270	<400	<2300	<400	<1100	<2700
Hexachlorobutadiene	ppbV	<3.8	<100	<150	<870	<150	<440	<1000
Hexane, n-	ppbV	<11	<310	<470	<2600	<470	<1300	<3100
Isopropyl alcohol	ppbV	25	<450	<670	<3800	<670	<1900	<4400
Isopropylbenzene	ppbV	<8.2	<220	<340	<1900	<330	<950	<2200
Limonene, d-*	ppbV	3.2 F	<200	<300	<1700	<290	99 F	<2000
m-,p-Xylene	ppbV	3.5 F	<250	<380	<2100	<380	<1100	<2500
MEK (2-Butanone)	ppbV	26	<370	220 F	1900 F	730	3100	2800 F
Methyl methacrylate	ppbV	<9.9	<270	<400	<2300	<400	<1100	<2700
Methyl t-butyl ether (MTBE)	ppbV	<11	<310	<460	<2600	<460	<1300	<3000
Methylene chloride	ppbV	2.3 F	<320	53 F	<2700	<470	<1300	<3100
MIBK (methyl isobutyl ketone)	ppbV	<9.9	<270	<400	<2300	<400	<1100	<2700
Naphthalene	ppbV	1.7 F, B	<210	<310	<1800	<310	<890	320 F, B
n-Nonane	ppbV	<7.7	<210	<310	<1800	<310	<890	<2100
n-Octane	ppbV	<8.7	<240	<350	<2000	<350	<1000	<2300
n-Propylbenzene	ppbV	<8.2	<220	<340	<1900	<330	<950	<2200
o-Xylene	ppbV	1.6 F	<250	<380	<2100	<380	<1100	<2500
Propene	ppbV	10 F, M	<640	150 F	1200 F	460 F	2500 F	980 F, M
Styrene	ppbV	<9.5	<260	<390	<2200	<390	<1100	<2600
Tetrachloroethene	ppbV	14	71 F	170 F	2800	300	1600	2500
Tetrahydrofuran	ppbV	<14	<370	<560	<3200	<560	<1600	<3700
Toluene	ppbV	13	<290	<440	<2500	63 F	370 F	310 F
trans-1,2-Dichloroethene	ppbV	53	120 F	270 F	4700	1100	4300	4200
trans-1,3-Dichloropropene	ppbV	<8.9	<240	<360	<2000	<360	<1000	<2400
Trichloro-1,2,2-trifluoroethane, 1,1,2-	ppbV	<5.3	<140	<220	<1200	<210	<610	<1400
Trichloroethene	ppbV	710	2700	9100	160000	23000	160000	170000
Trichlorofluoromethane	ppbV	<7.2	<200	<290	<1700	<290	<830	<1900
Vinyl acetate	ppbV	38 F	<1600	<2300	<13000	<2300	840 F	<16000
Vinyl chloride	ppbV	<16	<430	<650	<3600	<640	<1800	<4300

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
B Blank contamination

TABLE E-18
THERMAL SVE WELL FIELD VAPOR SAMPLES, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Location	TA1-E	TA1-E	TA2	TA2	TA2	TA2	TA2
	Sample ID	TSVE-TA1-E-E9	TSVE-TA1-E-E10	TSVE-TA2-E1	TSVE-TA2-E2	TSVE-TA2-E3	TSVE-TA2-E4	TSVE-TA2-E5
	Lab Sample ID	P0803264-004	P0803449-004	P0801841-005	P0802003-005	P0802156-005	P0802326-005	P0802624-007
	Date	10/2/2008	10/16/2008	6/14/2008	6/26/2008	7/10/2008	7/23/2008	8/8/2008
	Event	TSVE WEEK 19	TSVE WEEK 21	TSVE_E1 WEEK3	TSVE_E2 WEEK 5	TSVE WEEK 7	TSVE WEEK 9	TSVE WEEK 11
Analyte	Units							
1,1,1-Trichloroethane	ppbV	<230	<220	<140	<260	<0 3	<1 6	<31
1,1,2,2-Tetrachloroethane	ppbV	2000	110 F	9600	18000	41	110	440
1,1,2-Trichloroethane	ppbV	53 F	83 F	45 F	<260	0 04 F	<1 6	<31
1,1-Dichloroethane	ppbV	<320	<300	<190	<340	<0 4	<2 1	<42
1,1-Dichloroethene	ppbV	150 F	160 F	23 F	<350	<0 41	<2 1	<43
1,2,4-Trichlorobenzene	ppbV	<170	<160	<100	<190	0 029 F	0 21 F	<23
1,2,4-Trimethylbenzene	ppbV	<260	28 F	35 F	<280	0 15 F	0 74 F	<35
1,2-Dibromo-3-chloropropane	ppbV	<130	<130	<80	<140	<0 17	<0 88	<18
1,2-Dibromoethane	ppbV	<170	<160	<100	<180	<0 21	<1 1	<22
1,2-Dichlorobenzene	ppbV	<210	<200	<130	<230	<0 27	<1 4	<28
1,2-Dichloroethane	ppbV	<320	<300	<190	<340	<0 4	<2 1	<42
1,2-Dichloropropane	ppbV	<280	<260	<170	<300	<0 35	<1 8	<37
1,2-Dichlorotetrafluoroethane (114)	ppbV	<180	<170	<110	<200	<0 23	<1 2	<24
1,3,5-Trimethylbenzene	ppbV	<260	<250	<160	<280	0 038 F	0 32 F	<35
1,3-Dichlorobenzene	ppbV	<210	<200	<130	<230	<0 27	<1 4	<28
1,4-Dichlorobenzene	ppbV	<210	<200	290	190 F	0 5	7 2	<28
2-Hexanone	ppbV	<310	<300	<190	<340	<0 4	0 21 F	<42
Acetone	ppbV	10000 B	15000 B	950 F, B	1800 F, B	35 B	17 F, B	1200 B
Acetonitrile	ppbV	<760	<720	<460	<830	0 94 F	<5 1	17 F
Acrolein	ppbV	150 F	210 F	<340	<610	0 68 F	1 1 F	17 F
Acrylonitrile	ppbV	<590	<560	<360	<640	<0 75	<3 9	<78
Allyl chloride	ppbV	<410	<390	<250	<440	<0 52	<2 7	<54
alpha-Pinene	ppbV	68 F	72 F	<140	<250	0 043 F	<1 5	<31
Benzene	ppbV	390 F	720	780	200 F	0 38 F	0 76 F	11 F
Benzyl chloride	ppbV	<250	<230	<150	<270	<0 31	<1 6	<33
Bromodichloromethane	ppbV	<190	<180	<120	<210	<0 24	<1 3	<25
Bromoform	ppbV	<120	<120	<75	<130	<0 16	<0 82	<16
Bromomethane	ppbV	<330	<310	<200	<360	<0 42	<2 2	<44
Butadiene, 1,3-	ppbV	<580	<550	<350	<630	<0 73	<3 8	<77
Butyl acetate	ppbV	<270	<260	<160	<290	0 056 F	<1 8	<36
Carbon disulfide	ppbV	66 F	190 F	<250	<450	0 27 F	3 3	7 2 F
Carbon tetrachloride	ppbV	<200	<190	27 F	<220	0 053 F	0 34 F	<27
Chlorobenzene	ppbV	<280	<260	<170	<300	<0 35	<1 8	<37
Chloroethane	ppbV	<480	<460	<290	<530	<0 61	<3 2	<64
Chloroform	ppbV	<260	<250	150 F	86 F, B	0 18 F, L	5 6	10 F
Chloromethane	ppbV	550 F	1200	820	640 F	0 5 F	1 1 F	12 F
cis-1,2-Dichloroethene	ppbV	5000	6200	1700	1500	0 34 F	2 7	44
cis-1,3-Dichloropropene	ppbV	<280	<270	<170	<310	<0 36	<1 9	<37
Cyclohexane	ppbV	<370	<350	<220	<400	<0 47	<2 5	<49
Dibromochloromethane	ppbV	<150	<140	<91	<160	<0 19	<1	<20
Dichlorodifluoromethane	ppbV	<260	140 F	<160	<280	0 46	0 41 F	<34
Dioxane 1,4-	ppbV	<350	<340	<210	<390	<0 45	<2 4	<47
Ethanol	ppbV	230 F	200 F	<2000	<3700	7 2	6 1 F	210 F
Ethyl acetate	ppbV	<350	<340	<210	<390	0 088 F	3 4	<47
Ethyl-4-methyl benzene, 1-	ppbV	<260	<250	<160	<280	0 037 F	<1,7	<35
Ethylbenzene	ppbV	<290	33 F	53 F	<320	0 11 F	0 33 F	<39
Heptane, n-	ppbV	<310	<300	20 F	<340	0 33 F	<2 1	<41
Hexachlorobutadiene	ppbV	<120	<110	<72	<130	0 018 F	0 93	<16
Hexane, n-	ppbV	<360	<340	46 F	<400	0 6	1 F	<48
Isopropyl alcohol	ppbV	<520	<490	<310	<570	1 2	2 6 F	<69
Isopropylbenzene	ppbV	<260	<250	<160	<280	<0 33	<1 7	<35
Limonene, d-*	ppbV	29 F	30 F	99 F	50 F	0 072 F	2	<31
m-,p-Xylene	ppbV	44 F	84 F	130 F	<320	0 44	0 97 F	<39
MEK (2-Butanone)	ppbV	1200	1700	97 F	210 F	2 5	4	120
Methyl methacrylate	ppbV	<310	<300	<190	<340	<0 4	<2 1	<42
Methyl t-butyl ether (MTBE)	ppbV	<350	<340	<210	<390	<0 45	<2 4	<47
Methylene chloride	ppbV	<370	<350	<220	<400	0 71	<2 4	<49
MIBK (methyl isobutyl ketone)	ppbV	<310	36 F	<190	<340	0 095 F	<2 1	<41
Naphthalene	ppbV	<240	<230	<150	<270	0 2 F, B	6 2	<32
n-Nonane	ppbV	<240	<230	19 F	<270	0 11 F	<1 6	7 7 F
n-Octane	ppbV	<270	<260	19 F	<300	0 077 F	<1 8	7 1 F
n-Propylbenzene	ppbV	<260	<250	<160	<280	<0 33	<1 7	<35
o-Xylene	ppbV	<290	34 F	61 F	<320	0 16 F	0 39 F	<39
Propene	ppbV	720 F	1400	2600	610 F, M	1 5 M	2,2 F	48 F
Styrene	ppbV	<300	<290	<180	<330	<0 38	<2	<40
Tetrachloroethene	ppbV	140 F	150 F	780	990	0 57	4 4	99
Tetrahydrofuran	ppbV	<430	<410	<260	<470	<0 55	2 6 F	<58
Toluene	ppbV	110 F	220 F	310	84 F	0 81	4 8	<45
trans-1 2-Dichloroethene	ppbV	1300	1500	930	600	0 15 F	0 99 F	10 F
trans-1,3-Dichloropropene	ppbV	<280	<270	<170	<310	<0 36	<1 9	<37
Trichloro-1,2,2-trifluoroethane, 1,1,2-	ppbV	<170	<160	<100	<180	0 078 F	<1 1	<22
Trichloroethene	ppbV	19000	21000	11000	27000	17	100	4400
Trichlorofluoromethane	ppbV	<230	<220	<140	<250	0 23 F, B	0 15 F	<30
Vinyl acetate	ppbV	400 F	690 F	<1100	<2000	3	2 1 F	<240
Vinyl chloride	ppbV	71 F	92 F	<300	<540	<0 63	<3 3	<67

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
B Blank contamination

TABLE E-18
THERMAL SVE WELL FIELD VAPOR SAMPLES, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Location	TA2	TA2	TA2	TA2	TA2	TA3	TA3
	Sample ID	TSVE-TA2-E6	TSVE-TA2-E7	TSVE-TA2-E8	TSVE-TA2-E9	TSVE-TA2-E10	TSVE-TA3-E1	TSVE-TA3-E2
	Lab Sample ID	P0802784-005	P0802941-005	P0803077-005	P0803264-005	P0803449-005	P0801841-008	P0802003-007
	Date	8/22/2008	9/5/2008	9/18/2008	10/2/2008	10/16/2008	6/14/2008	6/26/2008
	Event	TSVE WEEK 13	TSVE WEEK 15	TSVE WEEK 17	TSVE WEEK 19	TSVE WEEK 21	TSVE_E1 WEEK 3	TSVE_E2 WEEK 5
	Units							
1,1,1-Trichloroethane	ppbV	<500	<12	<1000	<290	<3 3	<16	9 2 F
1,1,2,2-Tetrachloroethane	ppbV	1100	89	13000	5100	25	300	400
1,1,2-Trichloroethane	ppbV	<500	<12	<1000	<290	1 2 F	21	44
1,1-Dichloroethane	ppbV	<680	<16	<1300	<390	<4 4	<22	20
1,1-Dichloroethene	ppbV	<690	<16	<1400	<400	2 6 F	5 1 F	12 F
1,2,4-Trichlorobenzene	ppbV	<370	<8 5	<730	<210	0 3 F	<12	<9 3
1,2,4-Trimethylbenzene	ppbV	<560	<13	<1100	<320	1 9 F	140	200
1,2-Dibromo-3-chloropropane	ppbV	<280	<6 5	<560	<160	<1 9	<9 2	<7 2
1,2-Dibromoethane	ppbV	<360	<8 2	<710	<210	<2 3	<12	<9
1,2-Dichlorobenzene	ppbV	<450	<10	<900	<260	<3	<15	<12
1,2-Dichloroethane	ppbV	<680	<16	<1300	<390	<4 4	<22	12 F
1,2-Dichloropropane	ppbV	<590	<14	<1200	<340	<3 9	<19	2 1 F
1,2-Dichlorotetrafluoroethane (114)	ppbV	<390	<9	<780	<230	<2 6	<13	<9 9
1,3,5-Trimethylbenzene	ppbV	<560	<13	<1100	<320	0 71 F	80	120
1,3-Dichlorobenzene	ppbV	<450	<10	<900	<260	<3	<15	<12
1,4-Dichlorobenzene	ppbV	<450	<10	<900	<260	0 32 F	<15	<12
2-Hexanone	ppbV	<670	<15	<1300	<390	24	<22	<17
Acetone	ppbV	4300 F, B	210 B	6900 F, B	7000 B	7200 B	950 B	880 B, M
Acetonitrile	ppbV	<1600	<37	<3200	<940	29	31 F	11 F, B
Acrolein	ppbV	<1200	4 7 F	<2400	240 F	320	6 1 F	11 F, B
Acrylonitrile	ppbV	<1300	<29	<2500	<730	<8 3	<41	<32
Allyl chloride	ppbV	<870	<20	<1700	<500	<5 8	<28	<22
alpha-Pinene	ppbV	<490	<11	<980	<280	<3 2	20	25
Benzene	ppbV	<860	2 5 F	170 F	280 F	50	340	350
Benzyl chloride	ppbV	<530	<12	<1000	<310	<3 5	<17	<13
Bromodichloromethane	ppbV	<410	<9 4	<810	<240	<2 7	<13	<10
Bromoform	ppbV	<260	<6 1	<530	<150	<1 7	<8 6	<6 7
Bromomethane	ppbV	<700	<16	<1400	<410	<4 8	3 8 F	10 F
Butadiene, 1,3-	ppbV	<1200	<28	<2500	<710	5 6 F	57	23 F
Butyl acetate	ppbV	<580	<13	<1100	<330	<3 8	<19	<15
Carbon disulfide	ppbV	<880	<20	<1700	<510	17	40	38 B
Carbon tetrachloride	ppbV	<430	<10	<860	<250	0 36 F	120	2000
Chlorobenzene	ppbV	<590	<14	<1200	<340	1 4 F	<19	17
Chloroethane	ppbV	<1000	<24	<2100	<600	<6 8	<34	22 F
Chloroform	ppbV	<560	1 7 F	250 F	41 F	12	210	6400
Chloromethane	ppbV	<1300	<30	<2600	360 F	8 6 F	220	3100
cis-1,2-Dichloroethene	ppbV	150 F	3 8 F	<1400	830	27	2100	1600
cis-1,3-Dichloropropene	ppbV	<600	<14	<1200	<350	<4	<20	<15
Cyclohexane	ppbV	<790	<18	<1600	<460	<5 2	37	36
Dibromochloromethane	ppbV	<320	<7 4	<640	<190	<2 1	<10	<8 1
Dichlorodifluoromethane	ppbV	<550	<13	<1100	<320	0 42 F	<18	<14
Dioxane 1,4-	ppbV	<760	<17	<1500	<440	<5	<25	<19
Ethanol	ppbV	<7300	15 F	<14000	<4200	120	140 F	19 F
Ethyl acetate	ppbV	<760	<17	<1500	<440	<5	<25	<19
Ethyl-4-methyl benzene, 1-	ppbV	<560	<13	<1100	<320	<3 7	33	44
Ethylbenzene	ppbV	<630	<14	<1300	<360	1 2 F	57	78
Heptane, n-	ppbV	<870	<15	<1300	<390	10	98	96
Hexachlorobutadiene	ppbV	<260	<5 9	<510	<150	0 8 F	<8 3	<6 5
Hexane, n-	ppbV	<780	<18	<1500	<450	6 1	130	100
Isopropyl alcohol	ppbV	<1100	<26	<2200	<640	15	<36	<28
Isopropylbenzene	ppbV	<560	<13	<1100	<320	<3 7	23	28
Limonene, d-*	ppbV	<490	<11	<980	<280	<3 2	5 6 F	7 4 F
m-,p-Xylene	ppbV	<830	<14	<1300	<360	4 8	190	230
MEK (2-Butanone)	ppbV	390 F	13 F	410 F	600	680	170	130
Methyl methacrylate	ppbV	<670	<15	<1300	<390	<4 4	<22	<17
Methyl t-butyl ether (MTBE)	ppbV	<760	<17	<1500	<440	<5	<25	<19
Methylene chloride	ppbV	<790	<18	<1600	<450	<5 2	22 F	160
MIBK (methyl isobutyl ketone)	ppbV	<670	<15	<1300	<390	16	6 1 F	7 7 F
Naphthalene	ppbV	<520	<12	<1000	<300	3 6	650	730
n-Nonane	ppbV	<520	<12	<1000	<300	5 1	140	120
n-Octane	ppbV	<590	<13	<1200	<340	4 2	100	91
n-Propylbenzene	ppbV	<560	<13	<1100	<320	0 49 F	27	34
o-Xylene	ppbV	<630	<14	<1300	<360	1 7 F	110	130
Propene	ppbV	190 F	4 9 F	<3200	410 F	150	2400	1400 M
Styrene	ppbV	<640	<15	<1300	<370	1 2 F	11 F	12 F
Tetrachloroethene	ppbV	1100	27	900	280	20	32	160
Tetrahydrofuran	ppbV	<930	<21	<1800	<540	1 9 F	<30	<23
Toluene	ppbV	<730	<17	<1400	62 F	7 5	150	190
trans-1,2-Dichloroethene	ppbV	<690	1 9 F	<1400	460	12	240	200
trans-1,3-Dichloropropene	ppbV	<600	<14	<1200	<350	<4	<20	<15
Trichloro-1,2,2-trifluoroethane, 1,1 2-	ppbV	<360	<8 2	<710	<210	<2 3	<12	<9
Trichloroethene	ppbV	69000	1200	60000	24000	1400	1800	2100
Trichlorofluoromethane	ppbV	<490	<11	<970	<280	<3 2	<16	<12
Vinyl acetate	ppbV	<3900	13 F	<7700	330 F	460	32 F	<98
Vinyl chloride	ppbV	<1100	<25	<2100	<620	<7	96	69

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
B Blank contamination

TABLE E-18
THERMAL SVE WELL FIELD VAPOR SAMPLES, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

Analyte	Location	TA3	TA3	TA3	TA3	TA3	TA3	TA3
	Sample ID	TSVE-TA3-E3	TSVE-TA3-E4	TSVE-TA3-E5	TSVE-TA3-E6	TSVE-TA3-E7	TSVE-TA3-E8	TSVE-TA-3- DUP-E8
	Lab Sample ID	P0802156-006	P0802326-006	P0802624-008	P0802784-006	P0802941-006	P0803077-006	P0803077-009
	Date	7/10/2008	7/23/2008	8/8/2008	8/22/2008	9/5/2008	9/18/2008	9/18/2008
	Event	TSVE WEEK 7	TSVE WEEK 9	TSVE WEEK 11	TSVE WEEK 13	TSVE WEEK 15	TSVE WEEK 17	TSVE WEEK 17
	Units							
1,1,1-Trichloroethane	ppbV	1.2 F	<12	<10	<61	<17	<23	<24
1,1,2,2-Tetrachloroethane	ppbV	76	120	15	86	<14	5.8 F	<19
1,1,2-Trichloroethane	ppbV	7.1	19	6 F	120	19	16 F	21 F
1,1-Dichloroethane	ppbV	2.6 F	8.4 F	<14	14 F	<23	5.3 F	4.8 F
1,1-Dichloroethene	ppbV	5.1	9.3 F	<14	42 F	11 F	22 F	22 F
1,2,4-Trichlorobenzene	ppbV	<2.1	<8.6	<7.5	<45	<13	<17	<18
1,2,4-Trimethylbenzene	ppbV	26	74	10 F	92	74	28	170
1,2-Dibromo-3-chloropropane	ppbV	<1.6	<6.6	<5.8	<34	<9.7	<13	<14
1,2-Dibromoethane	ppbV	<2	<8.5	<7.2	<43	<12	<16	<17
1,2-Dichlorobenzene	ppbV	<2.6	<11	<9.3	<55	<16	<21	<22
1,2-Dichloroethane	ppbV	1.3 F	<16	<14	28 F	<23	<31	<33
1,2-Dichloropropane	ppbV	<3.4	<14	<12	11 F	<20	<27	<29
1,2-Dichlorotetrafluoroethane (114)	ppbV	<2.2	<9.4	<8	<48	<13	<18	<19
1,3,5-Trimethylbenzene	ppbV	12	32	3.9 F	43 F	35	15 F	80
1,3-Dichlorobenzene	ppbV	<2.6	<11	<9.3	<55	<16	<21	<22
1,4-Dichlorobenzene	ppbV	0.95 F	1.4 F	<9.3	<55	<16	<21	<22
2-Hexanone	ppbV	<3.8	<16	1.5 F	<81	<23	31 F	43
Acetone	ppbV	88 B	230 B	490 B	2600 B	2900 B	7500 B	7700 B
Acetonitrile	ppbV	1.5 F	<39	5.1 F	<200	12 F	26 F	26 F
Acrolein	ppbV	1.4 F	<29	4.4 F	32 F	34 F	79	80
Acrylonitrile	ppbV	<7.2	<30	<26	<150	<43	<58	<61
Allyl chloride	ppbV	<5	<21	<18	<110	<30	<40	<43
alpha-Pinene	ppbV	2.7 F	8.4 F	1 F	22 F	18	9 F	29
Benzene	ppbV	20	110	4 F	67 F	190	240	260
Benzyl chloride	ppbV	<3	<13	<11	<64	<18	<24	<26
Bromodichloromethane	ppbV	<2.3	<9.8	<8.3	<50	<14	<19	<20
Bromoform	ppbV	<1.5	<6.3	<5.4	<32	<9	<12	<13
Bromomethane	ppbV	3.4 F	<17	<14	<86	<24	<33	<34
Butadiene, 1,3-	ppbV	<7.1	4.6 F	<25	<150	9.2 F	10 F	11 F
Butyl acetate	ppbV	<3.3	<14	<12	<70	<20	<27	<28
Carbon disulfide	ppbV	18	35	32	32 F	20 F	35 F	35 F
Carbon tetrachloride	ppbV	600	600	29	340	80	110	120
Chlorobenzene	ppbV	<3.4	5.5 F	<12	<72	<20	<28	<29
Chloroethane	ppbV	3.5 F	<25	<21	<130	<35	<48	<51
Chloroform	ppbV	1200 L	3300	1000	24000	2400	4000	4200
Chloromethane	ppbV	680	640	10 F	90 F	65	210	170
cis-1,2-Dichloroethene	ppbV	200	350	41	810	470	140	140
cis-1,3-Dichloropropene	ppbV	<3.4	<14	<12	<73	<21	<28	<29
Cyclohexane	ppbV	<4.5	<19	<16	<96	19 F	<37	<39
Dibromochloromethane	ppbV	<1.8	<7.7	<6.5	<39	<11	<15	<16
Dichlorodifluoromethane	ppbV	0.53 F	<13	<11	<67	<19	<26	<27
Dioxane 1,4-	ppbV	<4.3	<18	<15	<92	<26	<35	<37
Ethanol	ppbV	9.4 F	13 F	43 F	<880	52 F	180 F	290 F
Ethyl acetate	ppbV	<4.3	<18	<15	<92	<26	<35	<37
Ethyl-4-methyl benzene, 1-	ppbV	4.7	11 F	1.5 F	17 F	18 F	8.6 F	38
Ethylbenzene	ppbV	4.7	15 F	<13	15 F	36	24 F	47
Heptane, n-	ppbV	6	21	1.9 F	49 F	59	55	70
Hexachlorobutadiene	ppbV	0.5 F	3.3 F	<5.2	<31	<8.8	<12	<13
Hexane, n-	ppbV	5.7	20	<16	25 F	26 F	36 F	39
Isopropyl alcohol	ppbV	2.5 F	<27	7.6 F	<140	18 F	32 F	34 F
Isopropylbenzene	ppbV	2.3 F	5.7 F	<11	9.4 F	10 F	6.4 F	18 F
Limonene, d-*	ppbV	1.1 F	4.7 F	<10	9.1 F	4.5 F	<23	8.9 F
m-,p-Xylene	ppbV	23	60	5.8 F	62 F	140	81	180
MEK (2-Butanone)	ppbV	13	34 B	47	270	320	830	780
Methyl methacrylate	ppbV	<3.8	<16	<14	<81	<23	<31	<33
Methyl t-butyl ether (MTBE)	ppbV	<4.3	<18	<15	<92	<26	<35	<37
Methylene chloride	ppbV	38	53	16	650	88	250	260
MIBK (methyl isobutyl ketone)	ppbV	0.97 F	2.9 F	4 F	46 F	37	44	53
Naphthalene	ppbV	130 B	650	100	120	72	4.8 F	130
n-Nonane	ppbV	24	52	8.1 F	250	190	110	320
n-Octane	ppbV	13	29	3.8 F	140	140	110	190
n-Propylbenzene	ppbV	3.6	10 F	1.3 F	19 F	15 F	8.7 F	32
o-Xylene	ppbV	13	32	3.5 F	34 F	58	32	81
Propene	ppbV	35 M	300	7 F	170 F	310	450	440
Styrene	ppbV	0.66 F	1.8 F	<13	<78	<22	<30	3.4 F
Tetrachloroethene	ppbV	200	230	22	230	67	68	110
Tetrahydrofuran	ppbV	<5.3	<22	<19	<110	<32	<43	<45
Toluene	ppbV	24	59	4.4 F	48 F	180	140	190
trans-1,2-Dichloroethene	ppbV	31	60	6.5 F	160	91	130	130
trans-1,3-Dichloropropene	ppbV	<3.4	<14	<12	<73	<21	<28	<29
Trichloro-1,2,2-trifluoroethane, 1,1,2-	ppbV	<2	<8.6	<7.3	<43	<12	<17	<17
Trichloroethene	ppbV	490	1100	200	4200	730	730	840
Trichlorofluoromethane	ppbV	<2.8	<12	<9.9	<59	<17	<23	<24
Vinyl acetate	ppbV	5 F	5.2 F	34 F	66 F	100 F, M	220 M	240 M
Vinyl chloride	ppbV	14	33	3.4 F	63 F	42	63	62

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
B Blank contamination

TABLE E-18
THERMAL SVE WELL FIELD VAPOR SAMPLES, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Location	TA3	TA3	TA4	TA4	TA4	TA4	TA4
	Sample ID	TSVE-TA3-E9	TSVE-TA3-E10	TSVE-TA4-E1	TSVE-TA4-E2	TSVE-TA4-E2 DUP	TSVE-TA4-E3	TSVE-TA4-E4
	Lab Sample ID	P0803264-006	P0803449-006	P0801841-009	P0802003-008	P0802003-009	P0802156-007	P0802326-007
	Date	10/2/2008	10/16/2008	6/14/2008	6/26/2008	6/26/2008	7/10/2008	7/23/2008
	Event	TSVE WEEK 19	TSVE WEEK 21	TSVE_E1 WEEK3	TSVE_E2 WEEK 5	TSVE_E2 WEEK 5	TSVE WEEK 7	TSVE WEEK 9
Analyte	Units							
1,1,1-Trichloroethane	ppbV	<46	<9 2	<17	<300	<1000	<5 9	<2 9
1,1,2,2-Tetrachloroethane	ppbV	3 9 F	<7 3	660	12000	6800	670	2100
1,1,2-Trichloroethane	ppbV	6 1 F	9.8	5.5 F	80 F	<1000	3 6 F	14
1,1-Dichloroethane	ppbV	<63	5 4 F	<22	<410	<1400	<7 9	<3 9
1,1-Dichloroethene	ppbV	28 F	68	<23	<410	<1400	<8 1	2 2 F
1,2,4-Trichlorobenzene	ppbV	<34	<6 8	<12	<220	<760	<4 3	<2 1
1,2,4-Trimethylbenzene	ppbV	85	85	1 9 F	<330	<1100	0 68 F	3 4
1,2-Dibromo-3-chloropropane	ppbV	<26	<5 2	<9 3	<170	<580	<3 3	<1 6
1,2-Dibromoethane	ppbV	<33	<6 6	<12	<210	<730	<4 2	<2
1,2-Dichlorobenzene	ppbV	<42	<8 4	<15	<270	<940	<5 3	<2 6
1,2-Dichloroethane	ppbV	<63	4 8 F	<22	<410	<1400	<7 9	0 72 F
1,2-Dichloropropane	ppbV	<55	4 5 F	2 9 F	50 F	<1200	3 6 F	7 9
1,2-Dichlorotetrafluoroethane (114)	ppbV	<36	<7 2	<13	<230	<810	<4 6	<2 2
1,3,5-Trimethylbenzene	ppbV	41 F	39	<18	<330	<1100	0 76 F	2 5 F
1,3-Dichlorobenzene	ppbV	<42	<8 4	<15	<270	<940	<5 3	<2 6
1,4-Dichlorobenzene	ppbV	<42	1 2 F	<15	<270	<940	0 86 F	0 7 F
2-Hexanone	ppbV	<62	23	<22	<400	<1400	<7 8	<3 8
Acetone	ppbV	5100 B	7000 B	29 F, B	400 F, B	730 F, B	36 F, B	80 B
Acetonitrile	ppbV	<150	24 F	<54	<980	<3400	<19	2 1 F
Acrolein	ppbV	49 F	79	<39	<720	<2500	<14	2 6 F
Acrylonitrile	ppbV	<120	<23	<41	<760	<2600	<15	<7 2
Allyl chloride	ppbV	<81	<16	<29	<520	<1800	<10	<5
alpha-Pinene	ppbV	21 F	67	<16	<290	<1000	<5 7	2 8
Benzene	ppbV	84	93	14 F	120 F	<1800	1 8 F	22
Benzyl chloride	ppbV	<49	<9 7	<17	<320	<1100	<6 2	<3
Bromodichloromethane	ppbV	<38	<7 5	<13	<240	<840	0 92 F	2 F
Bromoform	ppbV	<25	<4 9	<8 7	<160	<550	<3 1	<1 5
Bromomethane	ppbV	<65	<13	<23	<420	<1500	<8 2	<4
Butadiene, 1,3-	ppbV	<110	3 4 F	<41	<740	<2500	<14	<7 1
Butyl acetate	ppbV	<53	<11	<19	<350	<1200	<6 7	<3 3
Carbon disulfide	ppbV	20 F	61	10 F	<530	<1800	2 6 F	3 4 F
Carbon tetrachloride	ppbV	80	70	220	2000	1700	49	210
Chlorobenzene	ppbV	<55	<11	<20	<360	<1200	<7	<3 4
Chloroethane	ppbV	<96	7 5 F	<34	<620	<2100	<12	<5 9
Chloroform	ppbV	3400	3600	7000	83000	90000	2500 L	6600
Chloromethane	ppbV	290	38	68	250 F	<2700	5 9 F	25
cis-1,2-Dichloroethene	ppbV	340	450	54	720	670 F	8 4	33
cis-1,3-Dichloropropene	ppbV	<56	<11	<20	<360	<1200	<7 1	<3 4
Cyclohexane	ppbV	<74	16	<26	<480	<1600	<9 3	<4 5
Dibromochloromethane	ppbV	<30	<5 9	<11	<190	<660	<3 8	<1 8
Dichlorodifluoromethane	ppbV	<51	<10	<18	<330	<1100	<6 5	0 4 F
Dioxane 1,4-	ppbV	<70	<14	<25	<460	<1600	<8 9	<4 3
Ethanol	ppbV	150 F	170	<240	<4400	<15000	<85	6 6 F
Ethyl acetate	ppbV	<70	<14	<25	<460	<1600	<8 9	<4 3
Ethyl-4-methyl benzene, 1-	ppbV	17 F	16	<18	<330	<1100	<6 5	0 69 F
Ethylbenzene	ppbV	20 F	16	<21	<380	<1300	<7 4	1 F
Heptane, n-	ppbV	25 F	37	<22	<400	<1400	<7 8	0 47 F
Hexachlorobutadiene	ppbV	<24	<4 7	<8 4	<150	<530	<3	0 55 F
Hexane, n-	ppbV	15 F	32	<26	<470	<1600	<9 1	<4 4
Isopropyl alcohol	ppbV	<100	42	<37	<670	<2300	<13	<6 3
Isopropylbenzene	ppbV	11 F	8 4 F	<18	<330	<1100	<6 5	<3 2
Limonene, d-*	ppbV	6 6 F	15	<16	<290	<1000	<5 7	0 93 F
m-,p-Xylene	ppbV	80	67	<21	<380	<1300	1 5 F	4 7
MEK (2-Butanone)	ppbV	620	830	<31	<560	<1900	2 8 F	8 8
Methyl methacrylate	ppbV	<62	<12	<22	<400	<1400	<7 8	<3 8
Methyl t-butyl ether (MTBE)	ppbV	<70	<14	<25	<460	<1600	<8 9	<4 3
Methylene chloride	ppbV	210	310	26 F	370 F	470 F	11	24
MIBK (methyl isobutyl ketone)	ppbV	23 F	39	<22	<400	<1400	<7 8	<3 8
Naphthalene	ppbV	47 F, B	71	12 F	<310	<1100	7 B	51
n-Nonane	ppbV	140	140	<17	<310	<1100	<6 1	2 1 F
n-Octane	ppbV	76	68	<19	<350	<1200	<6 9	1 1 F
n-Propylbenzene	ppbV	14 F	14	<18	<330	<1100	<6 5	0 66 F
o-Xylene	ppbV	40 F	33	<21	<380	<1300	<7 4	1 9 F
Propene	ppbV	220	240	120	830 F, M	780 F, M	18 F, M	69
Styrene	ppbV	<60	4 9 F	<21	<390	<1300	<7 5	<3 7
Tetrachloroethene	ppbV	85	140	76	2400	1800	240	500
Tetrahydrofuran	ppbV	<86	2 3 F	<31	<560	<1900	<11	<5 3
Toluene	ppbV	82	76	4 F	<440	<1500	1 6 F	4 9
trans-1,2-Dichloroethene	ppbV	62 F	110	17 F	370 F	300 F	1 9 F	15
trans-1,3-Dichloropropene	ppbV	<56	<11	<20	<360	<1200	<7 1	<3 4
Trichloro-1,2,2-trifluoroethane, 1,1,2-	ppbV	<33	<6 6	<12	<210	<740	<4 2	<2
Trichloroethene	ppbV	510	1300	240	5700	4700	460	1500
Trichlorofluoromethane	ppbV	<45	<9	<16	<290	<1000	<5 7	<2 8
Vinyl acetate	ppbV	170 F	360	<130	<2300	<8000	<45	1 8 F
Vinyl chloride	ppbV	27 F	55	<35	<640	<2200	<13	<6 1

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
B Blank contamination

TABLE E-18
THERMAL SVE WELL FIELD VAPOR SAMPLES, ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Location	TA4	TA4	TA4	TA4	TA4	TA4	TA4
	Sample ID	TSVE-TA4-E5	TSVE-TA4-WO-E5	TSVE-TA4-E6	TSVE-TA4-E7	TSVE-TA4-E8	TSVE-TA-4-E9	TSVE-TA4-E10
	Lab Sample ID	P0802624-009	P0802624-010	P0802784-007	P0802941-007	P0803077-007	P0803264-009	P0803449-007
	Date	8/8/2008	8/8/2008	8/22/2008	9/5/2008	9/18/2008	10/2/2008	10/16/2008
	Event	TSVE WEEK 11	TSVE WEEK 11	TSVE WEEK 13	TSVE WEEK 15	TSVE WEEK 17	TSVE WEEK 19	TSVE WEEK 21
Analyte	Units							
1,1,1-Trichloroethane	ppbV	<9 4	<140	<72	<14	<4 5	<5 1	<5 4
1,1,2,2-Tetrachloroethane	ppbV	910	16000	13000	1800	1800	260	530
1,1,2-Trichloroethane	ppbV	1 3 F	130 F	130	3 3 F	1 3 F	<5 1	1 1 F
1,1-Dichloroethane	ppbV	<13	<190	<98	<19	<6 1	<6 9	<7 3
1,1-Dichloroethene	ppbV	<13	40 F	61 F	<19	1 F	<7	1 5 F
1,2,4-Trichlorobenzene	ppbV	<6 9	<110	<53	<10	0 4 F	<3 8	<4
1,2,4-Trimethylbenzene	ppbV	1 4 F	<160	<80	<15	0 65 F	<5 7	1 2 F
1,2-Dibromo-3-chloropropane	ppbV	<5 3	<81	<41	<7 9	<2 6	<2 9	<3
1,2-Dibromoethane	ppbV	<6 6	<100	<51	<9 9	<3 2	<3 8	<3 8
1,2-Dichlorobenzene	ppbV	<8 5	<130	<66	<13	<4 1	<4 6	<4 9
1,2-Dichloroethane	ppbV	<13	<190	<98	<19	<6 1	<6 9	<7 3
1,2-Dichloropropane	ppbV	<11	54 F	34 F	<16	<5 3	<6	<6 4
1,2-Dichlorotetrafluoroethane (114)	ppbV	<7 3	<110	<57	<11	<3 5	<4	<4 2
1,3,5-Trimethylbenzene	ppbV	1 2 F	<160	9 5 F	<15	<5	<5 7	<6
1,3-Dichlorobenzene	ppbV	<8 5	<130	<66	<13	<4 1	<4 6	<4 9
1,4-Dichlorobenzene	ppbV	<8 5	<130	<66	<13	0 54 F	<4 6	<4 9
2-Hexanone	ppbV	<12	<190	12 F	4 6 F	0 72 F	<8 8	3 F
Acetone	ppbV	200 B	4800 B	21000 B	2100 B	3200 B	4200 B	11000 B
Acetonitrile	ppbV	4 2 F	75 F	120 F	46	45	33	73
Acrolein	ppbV	<22	84 F	190	45	8 8 F	7 3 F	58
Acrylonitrile	ppbV	<24	<360	<180	<35	<11	<13	<14
Allyl chloride	ppbV	<16	<250	<130	<24	<7 9	<8 9	<9 4
alpha-Pinene	ppbV	0 92 F	15 F	15 F	<14	<4 4	<5	9 6
Benzene	ppbV	<16	100 F	180	5 4 F	11	3 7 F	8 2 F
Benzyl chloride	ppbV	<9 9	<150	<76	<15	<4 8	<5 4	<5 7
Bromodichloromethane	ppbV	<7 6	<120	21 F	<11	<3 7	<4 2	<4 4
Bromoform	ppbV	<4 9	<76	<38	<7 4	<2 4	<2 7	<2 8
Bromomethane	ppbV	<13	<200	<100	<20	<6 4	<7 2	<7 6
Butadiene, 1,3-	ppbV	<23	<350	<180	<34	<11	<13	<13
Butyl acetate	ppbV	<11	<170	<83	<16	<5 2	<5 9	<6 2
Carbon disulfide	ppbV	1 7 F	34 F	30 F	8 9 F	2 8 F	<8 9	<9 4
Carbon tetrachloride	ppbV	5 F	820	2000	37	23	2 7 F	3 4 F
Chlorobenzene	ppbV	<11	<170	<86	<17	1 5 F	<6	<6 4
Chloroethane	ppbV	<19	<300	<150	<29	<9 4	<11	<11
Chloroform	ppbV	480	89000	92000	1500	1600	280	860
Chloromethane	ppbV	<25	92 F	170 F	6 6 F	11 F	2 9 F	8 8 F
cis-1,2-Dichloroethene	ppbV	5 7 F	570	970	17 F	22	3 7 F	23
cis-1,3-Dichloropropene	ppbV	<11	<170	<87	<17	<5 4	<6 1	<6 5
Cyclohexane	ppbV	<15	<230	<110	<22	<7 2	<8 1	<8 5
Dibromochloromethane	ppbV	<6	<92	<46	<8 9	<2 9	<3 3	<3 5
Dichlorodifluoromethane	ppbV	<10	<160	<80	<15	<5	<5 6	<5 9
Dioxane 1,4-	ppbV	<14	<220	<110	<21	<6 8	<7 7	<8 2
Ethanol	ppbV	<140	<2100	120 F	58 F	47 F	48 F	100
Ethyl acetate	ppbV	<14	<220	<110	<21	<6 8	<7 7	<8 2
Ethyl-4-methyl benzene, 1-	ppbV	<10	<160	<80	<15	<5	<5 7	<6
Ethylbenzene	ppbV	<12	<180	14 F	<18	<5 7	<6 4	0 87 F
Heptane, n-	ppbV	<12	<190	16 F	<19	<6	<6 8	<7 2
Hexachlorobutadiene	ppbV	0 71 F	<74	<37	<7 1	0 56 F	0 28 F	0 57 F
Hexane, n-	ppbV	<14	<220	23 F	<22	<7	<7 9	<8 3
Isopropyl alcohol	ppbV	<21	<320	<160	12 F	12	<11	39
Isopropylbenzene	ppbV	<10	<160	<80	<15	<5	1 8 F	<6
Limonene, d-*	ppbV	<9 2	<140	<71	<14	<4 4	<5	18
m-,p-Xylene	ppbV	<12	<180	23 F	<18	1 3 F	<6 4	1 7 F
MEK (2-Butanone)	ppbV	12 F	290	640	57	39	48	240
Methyl methacrylate	ppbV	<12	<190	<97	<19	<6	<6 8	<7 2
Methyl t-butyl ether (MTBE)	ppbV	<14	<220	<110	<21	<6 8	<7 7	<8 2
Methylene chloride	ppbV	2 2 F	280	310	6 5 F	7 5	2 F	21
MIBK (methyl isobutyl ketone)	ppbV	<12	<190	<96	<19	0 73 F	<6 8	2 F
Naphthalene	ppbV	2 6 F	<150	<75	<15	1 5 F, B	0 93 F	13
n-Nonane	ppbV	<9 7	<150	<75	<14	<4 7	<5 3	<5 6
n-Octane	ppbV	<11	<170	<85	<16	<5 3	<6	<6 3
n-Propylbenzene	ppbV	<10	<160	<80	<15	<5	<5 7	<6
o-Xylene	ppbV	<12	<180	<91	<18	<5 7	<6 4	0 72 F
Propene	ppbV	<30	460	1100	22 F	30	24	20
Styrene	ppbV	<12	<180	<93	<18	<5 8	<6 5	<6 9
Tetrachloroethene	ppbV	71	5700	5500	81	160	15	26
Tetrahydrofuran	ppbV	<17	<270	<130	<26	<8 4	<9 4	<10
Toluene	ppbV	1 6 F	29 F	45 F	<20	2 9 F	1 9 F	3 1 F
trans-1,2-Dichloroethene	ppbV	1 7 F	280	380	6 F	8 7	1 5 F	7 9
trans-1,3-Dichloropropene	ppbV	<11	<170	<87	<17	<5 4	<6 1	<6 5
Trichloro-1,2,2-trifluoroethane, 1,1,2-	ppbV	<6 7	<100	<52	<9 9	<3 2	<3 6	<3 8
Trichloroethene	ppbV	210	34000	40000	270	470	84	520
Trichlorofluoromethane	ppbV	<9 1	<140	<70	<14	<4 4	<5	<5 2
Vinyl acetate	ppbV	11 F	88 F	<560	47 F	39	36 F	310
Vinyl chloride	ppbV	<20	<310	<150	<30	<9 7	<11	<12

Notes
< Not detected above Reporting Limit (RL)
F Concentration below RL
M Concentration estimated due to matrix effect
B Blank contamination

TABLE E-18
THERMAL SVE WELL FIELD SAMPLES, QA ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID	TB-6-26-08	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK-8-22-08
	Lab Sample ID	L08060860-02	L08070282-03	L08070569-02	L08080216-02	L08080593-02
	Date	6/26/2008	7/10/2008	7/23/2008	8/8/2008	8/22/2008
	Event	TSVE WEEK 5	TSVE WEEK 7	TSVE WEEK 9	TSVE WEEK 11	TSVE WEEK 13
Analyte	Units					
1,1,1,2-Tetrachloroethane	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	ug/L	<1	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	ug/L	<1	<1	<1	<1	<1
1,1-Dichloroethane	ug/L	<1	<1	<1	<1	<1
1,1-Dichloroethene	ug/L	<1	<1	<1	<1	<1
1,1-Dichloropropene	ug/L	<1	<1	<1	<1	<1
1,2,3-Trichlorobenzene	ug/L	<1	<1	<1	<1	<1
1,2,3-Trichloropropane	ug/L	<1	<1	<1	<1	<1
1,2,4-Trichlorobenzene	ug/L	<1	<1	<1	<1	<1
1,2,4-Trimethylbenzene	ug/L	<1	<1	<1	<1	<1
1,2-Dibromo-3-chloropropane	ug/L	<2	<2	<2	<2	<2
1,2-Dibromoethane	ug/L	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	ug/L	<1	<1	<1	<1	<1
1,2-Dichloroethane	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	ug/L	<1	<1	<1	<1	<1
1,3,5-Trimethylbenzene	ug/L	<1	<1	<1	<1	<1
1,3-Dichlorobenzene	ug/L	<1	<1	<1	<1	<1
1,3-Dichloropropane	ug/L	<0.4	<0.4	<0.4	<0.4	<0.4
1,4-Dichlorobenzene	ug/L	<0.5	<0.5	0.42 F	<0.5	<0.5
1-Chlorohexane	ug/L	<1	<1	<1	<1	<1
2,2-Dichloropropane	ug/L	<1	<1	<1	<1	<1
2-Chlorotoluene	ug/L	<1	<1	<1	<1	<1
2-Hexanone	ug/L	<10	<10	<10	<10	<10
4-Chlorotoluene	ug/L	<1	<1	<1	<1	<1
Acetone	ug/L	<10	<10	<10	<10	<10
Benzene	ug/L	<0.4	<0.4	<0.4	<0.4	<0.4
Bromobenzene	ug/L	<1	<1	<1	<1	<1
Bromochloromethane	ug/L	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform	ug/L	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1
Carbon disulfide	ug/L	<1	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	ug/L	<1	<1	<1	<1	<1
Chloroform	ug/L	<0.3	<0.3	<0.3	<0.3	<0.3
Chloromethane	ug/L	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ug/L	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	ug/L	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromomethane	ug/L	<1	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1
Hexachlorobutadiene	ug/L	<0.6	<0.6	<0.6	<0.6	<0.6
Isopropylbenzene	ug/L	<1	<1	<1	<1	<1
m-,p-Xylene	ug/L	<2	<2	<2	<2	<2
MEK (2-Butanone)	ug/L	<10	<10	<10	<10	<10
Methyl t-butyl ether (MTBE)	ug/L	<5	<5	<5	<5	<5
Methylene chloride	ug/L	<1	<1	<1	<1	<1
MIBK (methyl isobutyl ketone)	ug/L	<10	<10	<10	<10	<10
Naphthalene	ug/L	<1	<1	<1	<1	<1
n-Butylbenzene	ug/L	<1	<1	<1	<1	<1
n-Propylbenzene	ug/L	<1	<1	<1	<1	<1
o-Xylene	ug/L	<1	<1	<1	<1	<1
p-Isopropyltoluene	ug/L	<1	<1	<1	<1	<1
sec-Butylbenzene	ug/L	<1	<1	<1	<1	<1
Styrene	ug/L	<1	<1	<1	<1	<1
tert Butylbenzene	ug/L	<1	<1	<1	<1	<1
Tetrachloroethene	ug/L	<1	<1	<1	<1	<1
Toluene	ug/L	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ug/L	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	ug/L	<1	<1	<1	<1	<1
Trichloroethene	ug/L	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1	<1
Vinyl acetate	ug/L	<5	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1	<1

Notes

< Not detected above Reporting Limit (RL)

F Concentration below RL

Q One or more quality control criteria failed

TABLE E-18
THERMAL SVE WELL FIELD SAMPLES, QA ANALYTICAL RESULTS
SOURCE AREAS INTERIM REMEDIAL ACTION COMPLETION REPORT
Dunn Field - Defense Depot Memphis, Tennessee

	Sample ID	TRIP BLANK12-9-8-08	TB-09-19-08	TB-101708-IS-5	TB-11-25-08
	Lab Sample ID	L08090166-02	L08090441-02	L08100573-40	L08110784-02
	Date	9/8/2008	9/19/2008	10/17/2008	11/25/2008
	Event	TSVE WEEK 15	TSVE WEEK 17	TSVE WEEK 19	TSVE WEEK 27
Analyte	Units				
1,1,1,2-Tetrachloroethane	ug/L	<0 5	<0 5	<0 5	<0.5
1,1,1-Trichloroethane	ug/L	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ug/L	<0.5	<0 5	<0 5	<0.5
1,1,2-Trichloroethane	ug/L	<1	<1	<1	<1
1,1-Dichloroethane	ug/L	<1	<1	<1	<1
1,1-Dichloroethene	ug/L	<1	<1	<1	<1
1,1-Dichloropropene	ug/L	<1	<1	<1	<1
1,2,3-Trichlorobenzene	ug/L	<1	<1	<1	<1
1,2,3-Trichloropropane	ug/L	<1	<1	<1	<1
1,2,4-Trichlorobenzene	ug/L	<1	<1	<1	<1
1,2,4-Trimethylbenzene	ug/L	<1	<1	<1	<1
1,2-Dibromo-3-chloropropane	ug/L	<2	<2	<2	<2
1,2-Dibromoethane	ug/L	<1	<1	<1	<1
1,2-Dichlorobenzene	ug/L	<1	<1	<1	<1
1,2-Dichloroethane	ug/L	<0 5	<0.5	<0 5	<0.5
1,2 Dichloropropane	ug/L	<1	<1	<1	<1
1,3,5-Trimethylbenzene	ug/L	<1	<1	<1	<1
1,3-Dichlorobenzene	ug/L	<1	<1	<1	<1
1,3-Dichloropropane	ug/L	<0 4	<0.4	<0 4	<0 4
1,4-Dichlorobenzene	ug/L	<0.5	0 141 F	0 149 F	2 01
1-Chlorohexane	ug/L	<1	<1	<1	<1
2,2-Dichloropropane	ug/L	<1	<1	<1	<1
2-Chlorctoluene	ug/L	<1	<1	<1	<1
2-Hexanone	ug/L	<10	<10	<10	<10
4-Chlorotoluene	ug/L	<1	<1	<1	<1
Acetone	ug/L	<10	<10	<10	34 7 Q
Benzene	ug/L	<0 4	<0 4	<0 4	0 329 F
Bromobenzene	ug/L	<1	<1	<1	<1
Bromochloromethane	ug/L	<1	<1	<1	<1
Bromodichloromethane	ug/L	<0.5	<0 5	<0 5	<0.5
Bromoform	ug/L	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1
Carbon disulfide	ug/L	<1	<1	<1	<1
Carbon tetrachloride	ug/L	<1	<1	<1	<1
Chlorobenzene	ug/L	<0 5	<0.5	<0 5	<0 5
Chloroethane	ug/L	<1	<1	<1	<1
Chloroform	ug/L	<0 3	<0 3	<0 3	<0 3
Chloromethane	ug/L	<1	<1	<1	<1
cis-1,2-Dichloroethene	ug/L	<1	<1	<1	<1
cis-1,3-Dichloropropene	ug/L	<0.5	<0 5	<0 5	<0 5
Dibromochloromethane	ug/L	<0.5	<0 5	<0 5	<0.5
Dibromomethane	ug/L	<1	<1	<1	<1
Dichlorodifluoromethane	ug/L	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1
Hexachlorobutadiene	ug/L	<0.6	<0 6	<0.6	<0.6
Isopropylbenzene	ug/L	<1	<1	<1	<1
m- p-Xylene	ug/L	<2	<2	<2	<2
MEK (2-Butanone)	ug/L	<10	<10	<10	7 6 F
Methyl t-butyl ether (MTBE)	ug/L	<5	<5	<5	<5
Methylene chloride	ug/L	0 371 F	<1	<1	<1
MIBK (methyl isobutyl ketone)	ug/L	<10	<10	<10	<10
Naphthalene	ug/L	<1	<1	<1	0 556 F
n-Butylbenzene	ug/L	<1	<1	<1	<1
n-Propylbenzene	ug/L	<1	<1	<1	<1
o-Xylene	ug/L	<1	<1	<1	<1
p-Isopropyltoluene	ug/L	<1	<1	<1	<1
sec-Butylbenzene	ug/L	<1	<1	<1	<1
Styrene	ug/L	<1	<1	<1	<1
tert-Butylbenzene	ug/L	<1	<1	<1	<1
Tetrachloroethene	ug/L	<1	<1	<1	<1
Toluene	ug/L	<1	<1	<1	0 774 F
trans-1,2-Dichloroethene	ug/L	<1	<1	<1	<1
trans-1,3-Dichloropropene	ug/L	<1	<1	<1	<1
Trichloroethene	ug/L	<1	<1	<1	<1
Trichlorofluoromethane	ug/L	<1	<1	<1	<1
Vinyl acetate	ug/L	<5	<5	<5	<5
Vinyl chloride	ug/L	<1	<1	<1	<1

Notes

< Not detected above Reporting Limit (RL)

F Concentration below RL

Q One or more quality control criteria failed

APPENDIX F

FLUVIAL SVE SYSTEM AS-BUILT DRAWINGS

10001419

MASTER BILL OF MATERIAL

ITEM	QTY	DESCRIPTION
100	2	CENTRIFUGAL FAN BLOWER, BUSCH MODEL SB1100.D0HG.UK11, 13.1 HP (9.8 kW) 3PH 230/460V .3" FNPT
101	1	TRANSFER PUMP, GRUNDFOS MODEL HS100-0505 , 1/2 HP - 3PH - 1-1/4" FNPT SUCTION, 1" FNPT DISCHARGE
102	2	HEAT EXCHANGER, AMERICAN INDUSTRIAL MODEL ACA6361-92544, 3 HP - 3PH 230/460V TEFC. 4" MNPT
104	1	AIR WATER SEPARATOR, TETRASOLV FILTRATION MODEL WS36-6-S, 140 GAL, 6" ANSI FLNG INLET/OUTLET
106	2	FIXED BED FILTER, TETRASOLV FILTRATION MODEL VF-2000, 6" PE, 2000 LBS ACTIVATED CARBON FILL

ITEM	QTY	DESCRIPTION
400	2	BALL VALVE, RUB MODEL S92, FULL PORT, BRONZE, TFE, 1" FNPT
401	10	DIAPHRAGM VALVE, GIE MODEL WFDX223N30, 3" ANSI FLNG
402	13	BALL VALVE, RUB MODEL S92, FULL PORT, BRONZE, TFE, 1/4" FNPT
403	1	VACUUM RELEIF VALVE
404	1	CHECK VALVE, STRATA FLO NO. 400, 1" BRONZE
405	2	CHECK VALVE, MODEL, 3" BRONZE
406	2	BUTTERFLY VALVE, CENTERLINE MODEL 03A1061012, 3" WAFER
800	4	PRESSURE GAUGE, 0-60" H20, 1/4" NPT LB, 2 1/2" DIAL
801	11	VACUUM GAUGE, 0-30" Hg, 1/4" NPT LB, 2 1/2" DIAL
802	1	PRESSURE GAUGE, 0-60 PSI, 1/4" NPT LB, 2-1/2" DIAL, LIQUID FILLED 304 SS BODY
803	4	TEMPERATURE GAUGE (3" DIAL), 50-550F
804	1	VACUUM TRANSMITTER, DWYER MODEL 628-00-GH-P1-E1-S1, 0-30" Hg, 1/4" NPT
805	1	PRESSURE TRANSMITTER, DWYER MODEL 628-00-CH-P1-E5-S1, 0-100 PSI, 1/4" NPT
806	3	TEMPERATURE TRANSMITTER, MCMASTER-CARR P/N 40705K3, 0-400 F, 1/2" NPT

ITEM	QTY	DESCRIPTION
900	1	LEVEL SWITCH, FLOW PLUS, 316 SS FLOATS (1513 SDT), LEVELS (L3(R)=10", L2(Y)=18", L3(B)=32"[OAL=34"
901	10	FLOW METER, ERDCO MODEL 3211-12F5, 3" ANSI FLNG
902	1	FLOW METER, MASTER METER FLOW AND TOTALIZER, 3/4" FNPT, BRONZE
903	1	MASS FLOW METER, SIERRA INSTRUMENTS MODEL 640S-NAA-L06-M0-E2-P3-V4-NR-0

SYSTEM INTERLOCKS

ALARM	ACTION
AWS HI/HI	SYSTEM SHUTDOWN
LOW VAC SVE	SYSTEM SHUTDOWN
HIGH TEMP SVE	SYSTEM SHUTDOWN

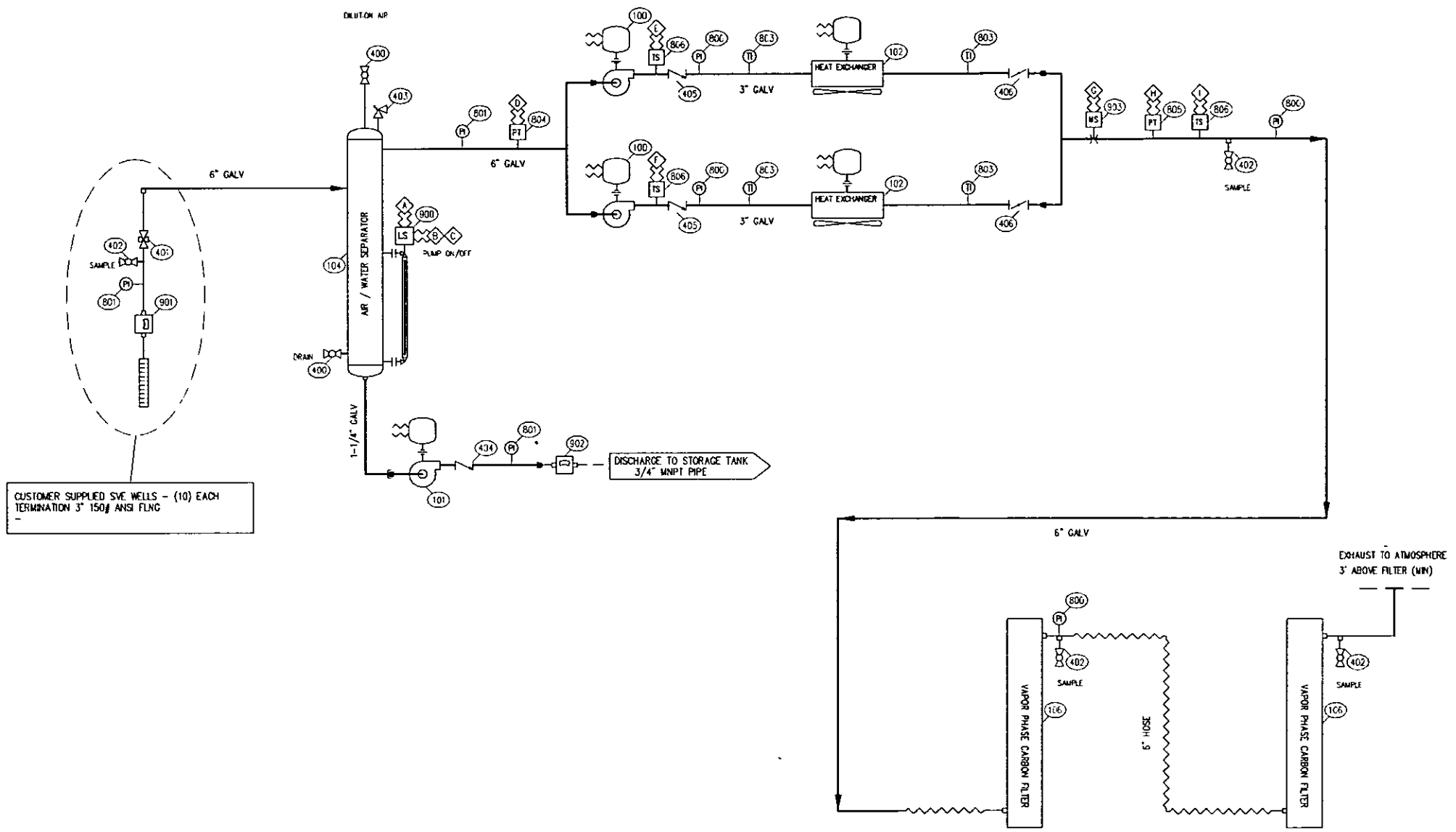
NOTES

1. ALL QUICK CONNECT FITTINGS ALUMINUM WITH BUNA-N GASKETS
2. ALL HOSE GOODYEAR PUCORD HOSE / SYNTHETIC RUBBER
3. PRIMARY SYSTEM VOLTAGE 480V 3 PHASE 60 HZ
4. DESIGN FLOW RATE 25 GPM

BILL OF MATERIAL TAG LEGEND

1XX - SPECIALIZED PROCESS EQUIPMENT	6XX - HEATING AND VENTILATION
2XX - STANDARD PROCESS EQUIPMENT	7XX - NOT USED
3XX - CONTROL PANELS	8XX - INSTRUMENTATION
4XX - VALVES	9XX - OTHER
5XX - LIGHTING	0XX - NOT USED

PROCESS



ELECTRICAL TERMINATIONS

- A - HIGH LIQUID LEVEL SHUTDOWN AWS - NO
- B - TRANSFER PUMP ON LIQUID LEVEL AWS - NO
- C - TRANSFER PUMP OFF LIQUID LEVEL AWS - NO
- G - SVE VACUUM LEVEL - 4-20 mA Output
- K - BLOWER TEMP DISCHARGE - 4-20 mA Output
- L - BLOWER TEMP DISCHARGE - 4-20 mA Output
- G - PROCESS FLOW MEASURMENT- 4-20 mA Output
- H - BLOWER PRESSURE DISCHARGE - 4-20 mA Output
- I - HEAT EXCHANGER TEMP DISCHARGE - 4-20 mA Output
- J
- C
- C
- M
- N
- O
- P
- Q - EMERGENCY STOP - NO (NOT SHOWN)

PNEUMATIC TERMINATIONS

- 9

- BILL OF MAT'L TAG
- PNEUMATIC TAG
- ELECTRICAL TAG
- PRESSURE GAUGE
- DIFF. PRESS. GAUGE
- THERMOMETER
- GAUGE IN PANEL
- CAM FITTING OR UNION
- GATE VALVE
- BALL VALVE
- GLOBE VALVE
- BUTTERFLY BALL VALVE
- RELIEF VALVE
- SWING CHECK VALVE
- PISTON CHECK VALVE
- DIAPHRAGM VALVE
- BUTTERFLY VALVE
- CONTROL VALVE
- REGULATOR VALVE
- REGULATOR/RELIEF VALVE
- IN LINE FILTER
- Y - STRAINER
- FLOW METER
- ORIFICE PITOT TUBE SENSOR
- PT - PRESSURE/VACUUM TRANSDUCER
- FS - FLOW SWITCH
- LS - LIQUID LEVEL SWITCH
- LSH - LEVEL SENSOR - HIGH
- LSL - LEVEL SENSOR - LOW
- PSD - PRESSURE SENSOR - DIFFERENTIAL
- PSL - PRESSURE SENSOR - LOW
- MS - MASS FLOW SENSOR
- TS - TEMPERATURE SENSOR
- RTD - RESISTANT TEMPERATURE DETECTOR
- MAIN PROCESS PIPING
- UTILITY PIPING
- FUTURE PIPING / PIPING BY OTHERS
- INST TUBING AIR, GAS, or OIL
- PROCESS HOSE

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OEC
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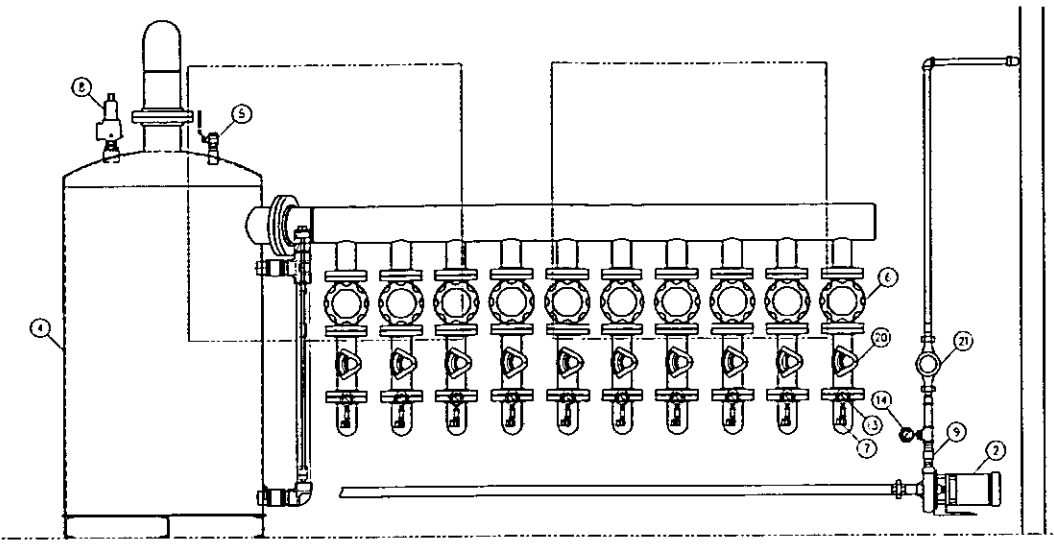
OEC
ONION EQUIPMENT COMPANY
WWW.ONIONENTERPRISES.COM
7385 STONEGATE DRIVE
NAPLES, FLORIDA 34109
Ph. (877) 566-7007
Fx (239) 596-3768

ACCOUNT	PROJECT
E2M	MEMPHIS DEPOT - DUNN FIELD

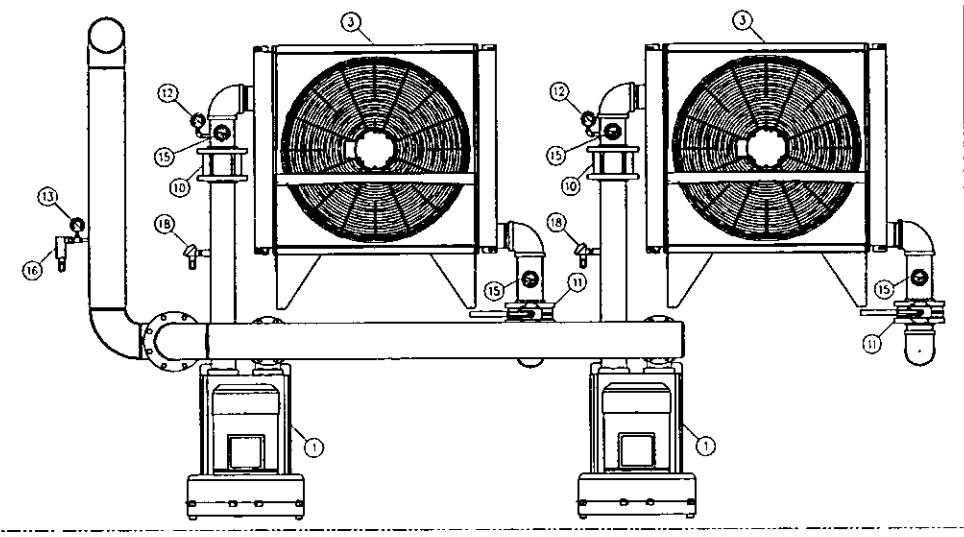
PROCESS AND INSTRUMENTATION FLOW DIAGRAM
FOR
DUAL PHASE EXTRACTION SYSTEM RETROFIT

DRN BY	CHK'D BY	APP'D BY	DATE	SCALE	JOB No.	DRAWING No.	REV
DB (TF)	TB (TF)	EP (TF)	MAY 13/07	NTS	1035HS	1035HS-PID	0

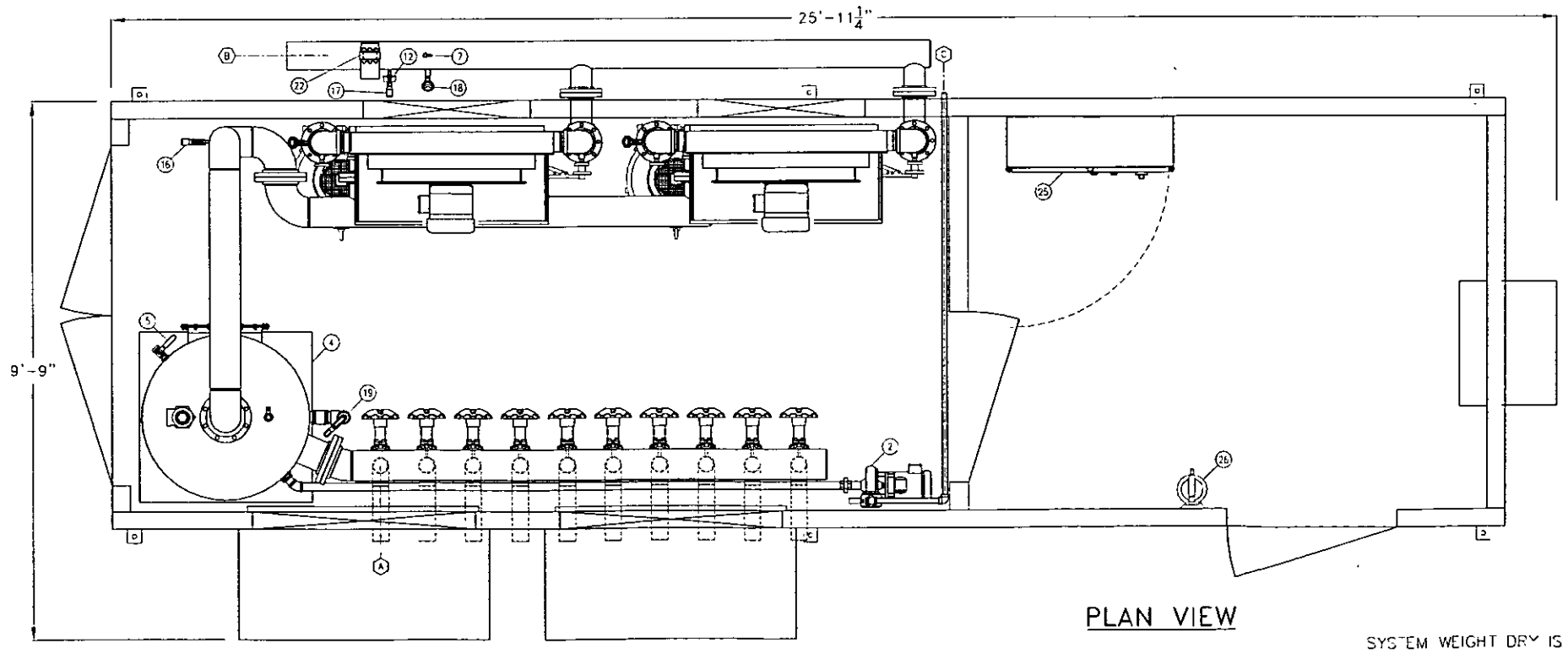
10001420



SECTION ELEVATION VIEW



SECTION ELEVATION VIEW



PLAN VIEW

SYSTEM WEIGHT DRY IS 9,750 LBS
SYSTEM WEIGHT WET IS 14,680 LBS

BILL OF MATERIAL

ITEM	QUAN	P&ID TAG	DESCRIPTION
1	2	100	CENTRIFUGAL FAN BLOWER, BUSCH MODEL SB1100.DOHD.UK11, 13.1 HP (9.8 kW) 3PH 230/460V 4" FNPT
2	1	101	TRANSFER PUMP, GRUNDFOS MODEL HS100-0505 , 1/2 HP - 3PH - 1-1/4" FNPT SUCTION, 1" FNPT DISCHARGE
3	2	102	HEAT EXCHANGER, AMERICAN INDUSTRIAL MODEL ACA5361-92544, 3 HP - 3PH 230/460V TEFC, 4" MNPT
4	1	104	AIR WATER SEPARATOR, TETRASOLV FILTRATION MODEL MS36-6-S, 140 GAL, 6" ANSI FLNG INLET/OUTLET
5	2	400	BALL VALVE, RUB MODEL S92, FULL PORT, BRONZE, ITE, 1" FNPT
6	10	401	DIAPHRAGM VALVE, GIE MODEL WFDX223N30, 3" ANSI FLNG
7	13	402	BALL VALVE, RUB MODEL S92, FULL PORT, BRONZE, ITE, 1/4" FNPT
8	1	403	VACUUM RELEF VALVE
9	1	404	CHECK VALVE, STRATA FLO NO. 400, 1" BRONZE
10	2	405	CHECK VALVE, MODEL, 4" BRONZE
11	2	406	BUTTERFLY VALVE, CENTERLINE MODEL 04A1061012, 4" WAFER
12	4	800	PRESSURE GAUGE, 0-60" H20, 1/4" NPT LB, 2 1/2" DIAL
13	11	801	VACUUM GAUGE, 0-30" Hg, 1/4" NPT LB, 2 1/2" DIAL
14	1	802	PRESSURE GAUGE, 0-60 PSI, 1/4" NPT LB, 2-1/2" DIAL, LIQUID FILLED 304 SS BODY
15	4	803	TEMPERATURE GAUGE (3" DIAL), 50-550F
16	1	804	VACUUM TRANSMITER, DWYER MODEL 628-00-CH-P1-E5-S1, 0-30" Hg, 1/4" NPT
17	1	805	PRESSURE TRANSMITER, DWYER MODEL 628-07-GH-P1-E1-S1, 0-15 PSI, 1/4" NPT
18	3	806	TEMPERATURE TRANSMITER, MCMASTER-CARR P/N 40705K3, 0-400 F, 1/2" NPT
19	1	900	LEVEL SWITCH, FLOW PLUS, 316 SS FLOATS (1513 SDT), LEVELS [L1(R)=10", L2(Y)=18", L3(B)=32"] OAL=34"
20	10	901	FLOW METER, ERDCO MODEL 3211-12F5, 3" ANSI FLNG
21	1	902	FLOW METER, MASTER METER FLOW AND TOTALIZER, 3/4" FNPT, BRONZE
22	1	903	MASS FLOW METER, SIERRA INSTRUMENTS MODEL 640S-NAA-L06-MO-E2-P3-V4-NR-0
23			
24			
25	1		CONTROL PANEL 480V
26	1		FIRE EXTINGUISHER, GRAINGER ITEM 4T889
27			
28			
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41			
42			

SCHEDULE OF OPENINGS

MARK	SIZE	QTY	RATING	TYPE	DESCRIPTION
A	3"	10	N/A	MNPT	SVE INLET FROM DPE WELLS
B	6"	1	N/A	TUBING	SVE SYSTEM DISCHARGE TO GAC
C	3/4"	1	N/A	MNPT	SEPARATOR LIQUID DISCHARGE TO POLY TANK
D					
E					
F					
G					
H					
J					
K					
L					
M					
N					
P					
Q					
R					
S					

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NAPLES, FLORIDA 34109
Ph: (877) 566-7007
Fx: (239) 596-3768

CUSTOMER: E2M

PROJECT: MEMPHIS DEPOT - DUNN FIELD

FINAL EQUIPMENT LAYOUT
FOR
DPE SYSTEM

DRAWN BY	CHKD BY	APPD BY	DATE	SCALE	JOB No.	DRAWING No.	REV
DB (TF)	TB (TF)	EP (TF)	JUL 7/07	NTS	1035HS	1035HS-LAY	0

10001421

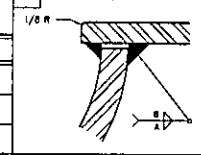
SCHEDULE OF OPENINGS

MARK	SIZE	QTY	RATING	TYPE	DESCRIPTION
A	6"	1	150#	ANSI	PROCESS INLET
B	6"	1	150#	ANSI	PROCESS OUTLET
C	1-1/2"	1	n/a	WLD FLG	PROCESS LIQUID OUTLET
D	16"	1	N/A	N/A	MANWAY
E	1"	1	n/a	WLD FLG	SERVICE DRAIN
F	1"	1	150#	CPLG	BLEED / DILUTION
G	2"	1	150#	CPLG	VACUUM RELIEF
H	2"	2	n/a	PE PIPE	STILL WELL
I					

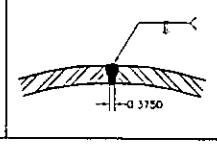
BILL OF MATERIALS

ITEM	DESCRIPTION
1	2" FERNCO COUPLING - 2 EACH
2	2" PVC CLEAR SITE TUBE ASSEMBLY
3	36" DIAMETER MOISTURE KNOCKOUT POT
4	24" AIROL MESH PAD - POLYPROPYLENE (99% @ 10 MICRONS)

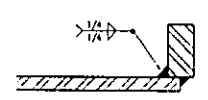
1 ALL NOZZLES



2 SIDE SEAM

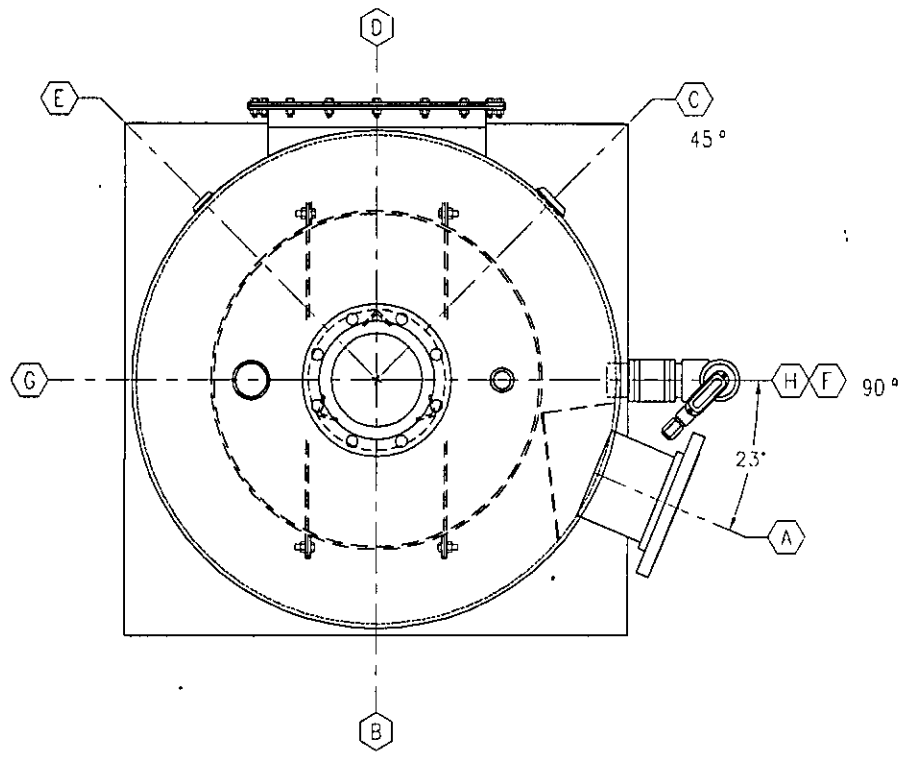


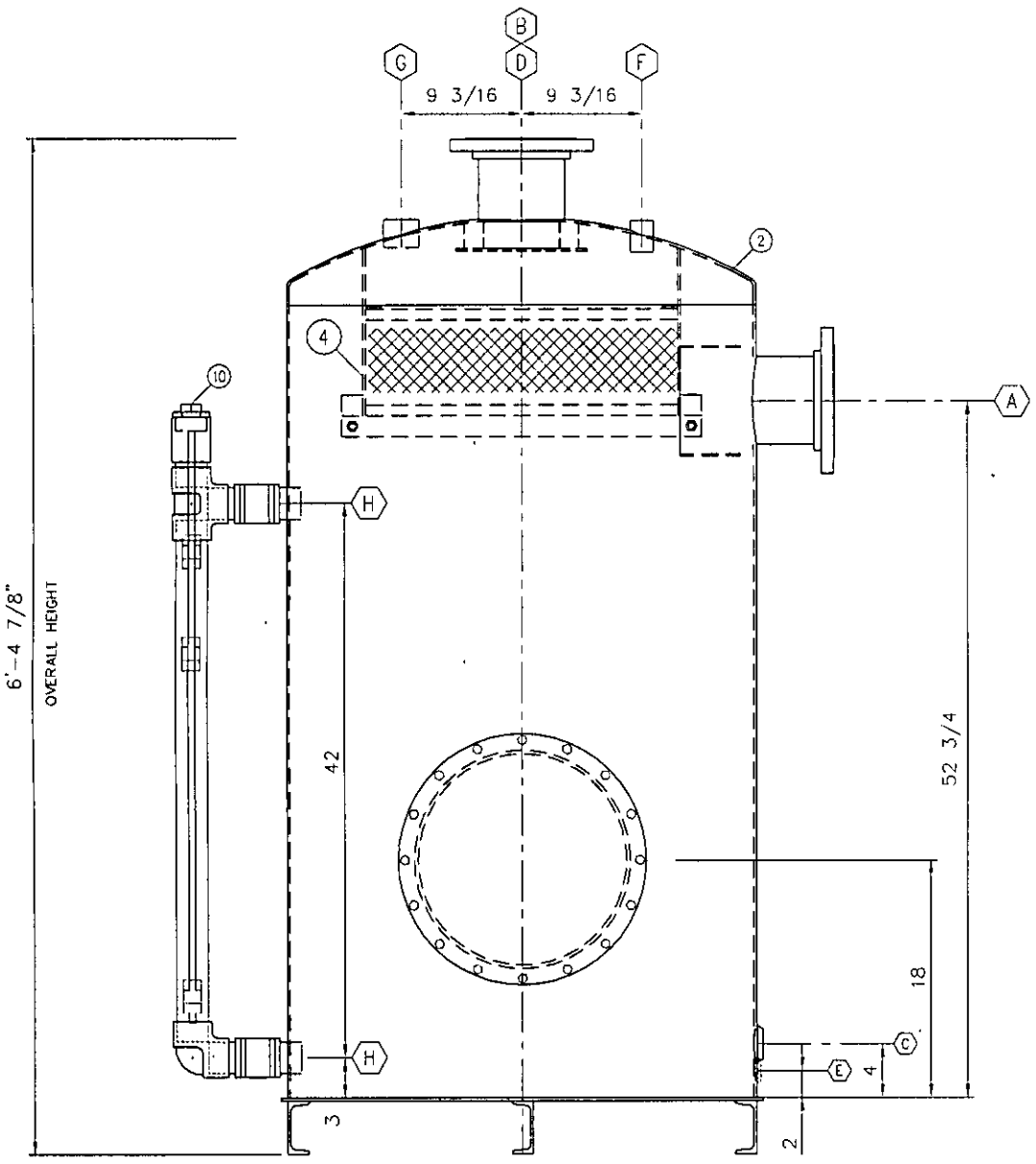
3 WP#



CONSTRUCTION NOTES

TOP, BOTTOM AND SIDESHELL A36 7GA 100% WELDED OUTSIDE ONLY
LOWER SUPPORT LEGS 4" C-CHANNEL 4.3#





ELEVATION VIEW
NOT TRUE ORIENTATION

DESIGN SPECIFICATIONS

Registration	none			Internal Surface Prep	None
Construction	CARBON STEEL			External Surface Prep	SSPC-SP6
Serial No.	-	Working Capacity	140 Gallons	Internal Coating	None
Design Pressure	3 PSIG	Shipping Wt (Empty)	615 LBS	External Coating	Primer - 2 coats poly enamel (grey)
Design Temperature	250 Deg F	Operational Weight	1,790 LBS		
Design Vacuum	0 PSIA @ SEA LEVEL	Gaskets	EPDM		

CUSTOMER: OEC / E2M

PROJECT: MEMPHIS DEPOT - DUNN FIELD

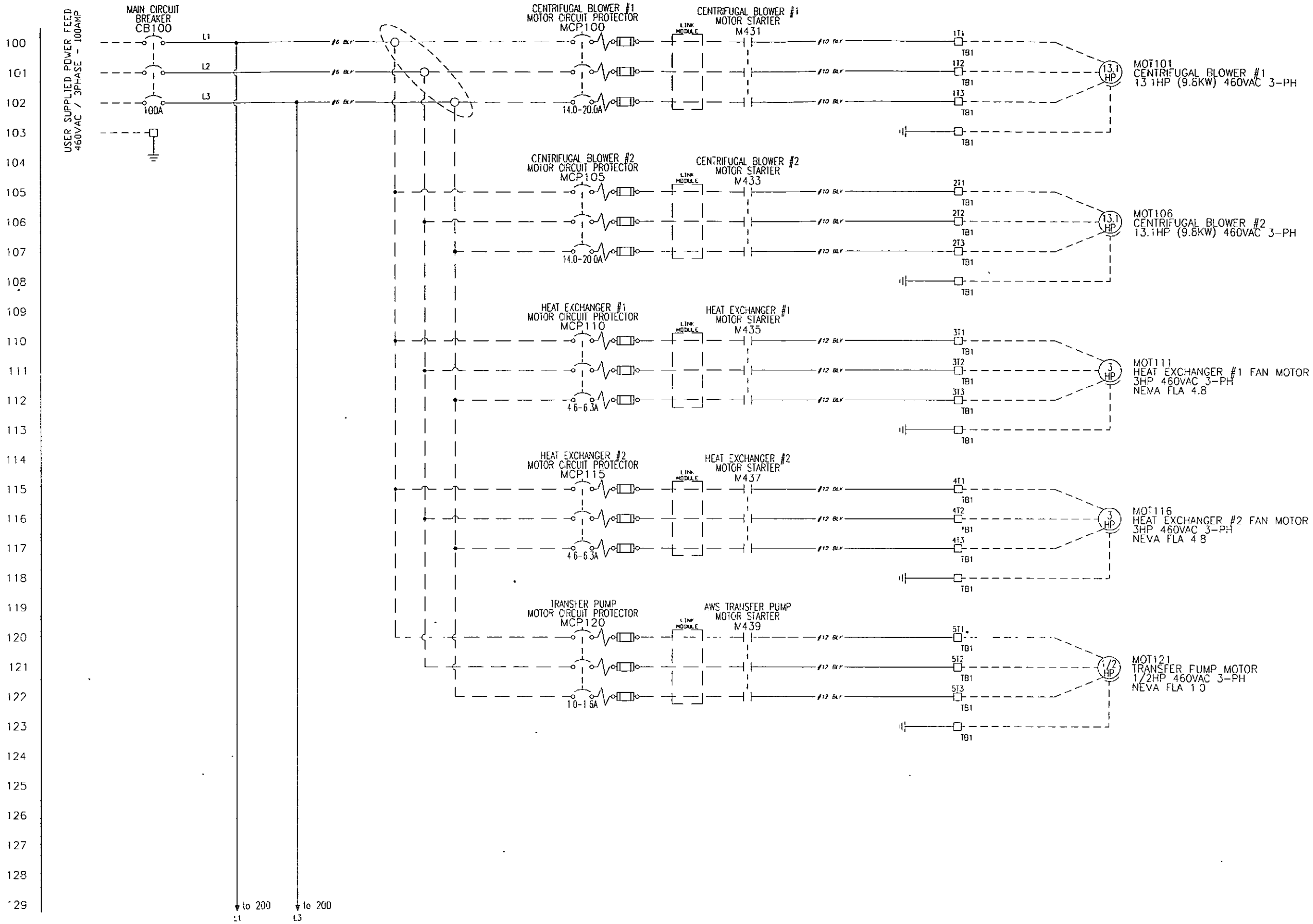
GENERAL ASSEMBLY LAYOUT - ELEVATION AND ORIENTATION
FOR
MOISTURE SEPARATOR (TSF MODEL MV36-6-S)

tetraSOLV FILTRATION
WWW.TETRASOLV.COM

DRAWN BY	CHKD BY	APVD BY
DB (TF)	TB (TF)	EP (TF)

DATE: MAY 16/07 | SCALE: NTS | JOB No: - | DRAWING No: - | REV: 1

10001422



PROCESS LOGIC CORPORATION

UNION EQUIPMENT
CH2M HILL-MEMPHIS DEPOT
DUNN FIELD

Description: CONTROL SCHEMATICS

1 OF 7

DRAWING INFORMATION:

DRAWN BY: KBC
CHECKED BY: KBC
PROJECT DATE: 5/15/2007
PROJECT NUMBER:

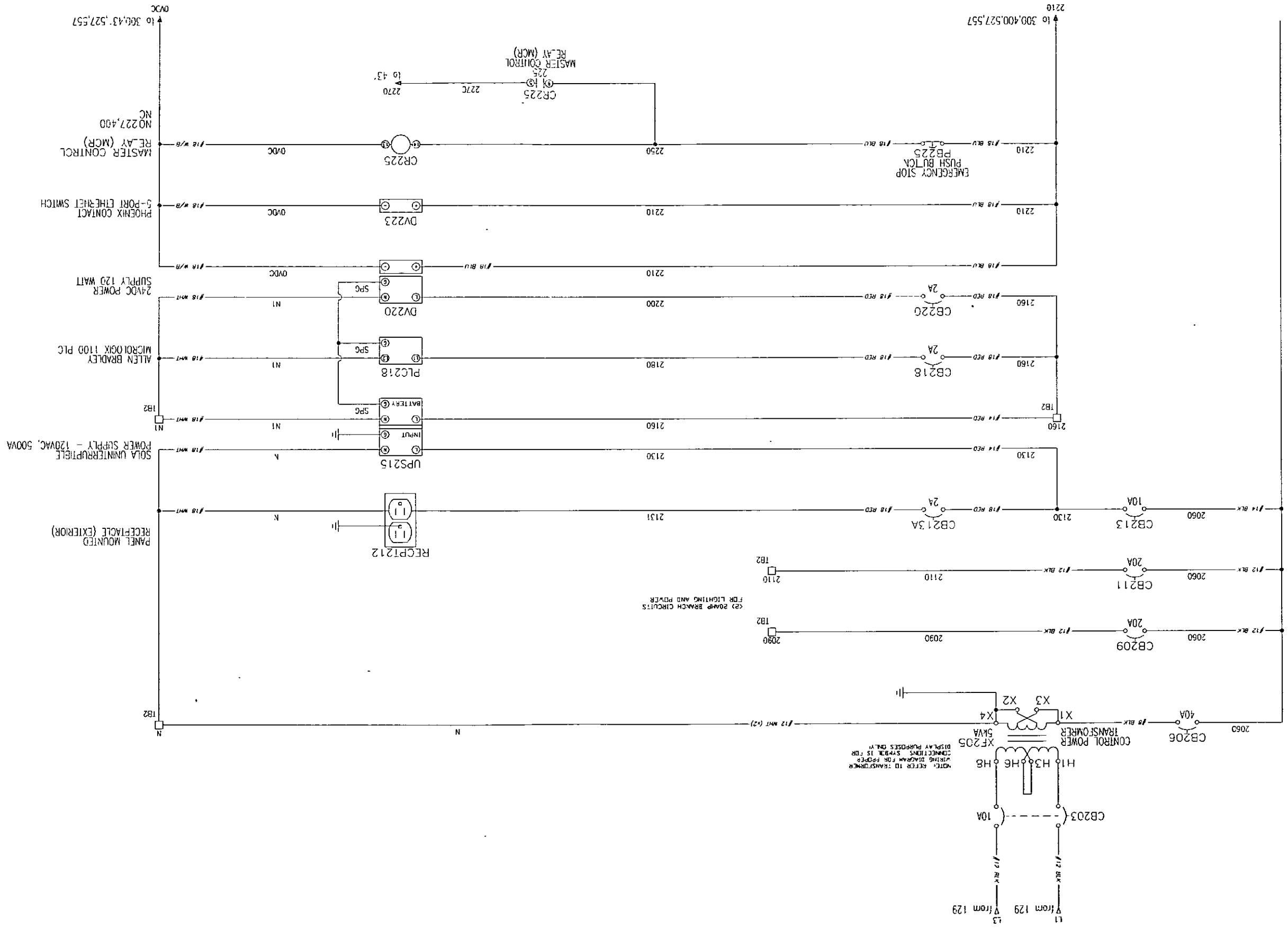
PROCESS LOGIC CORPORATION
4901 W CO RD 400 S
MUNCIE, IN 47302-8849
PH: 765-288-1582
FAX: 765-288-1582

CAD FILENAME:

REVISION NOTES:

REV	DATE	BY

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PROCESS LOGIC CORPORATION

ONION EQUIPMENT
CH2M HILL-MEMPHIS DEPOT
DUNN FIELD

Description:
CONTROL SCHEMATICS

2 OF 7

REVISION NOTES:

REV:	DATE:	BY:

DRAWING INFORMATION:

DRAWN BY: KBC
CHECKED BY: KBC
PROJECT DATE: 5/15/2007
PROJECT NUMBER:

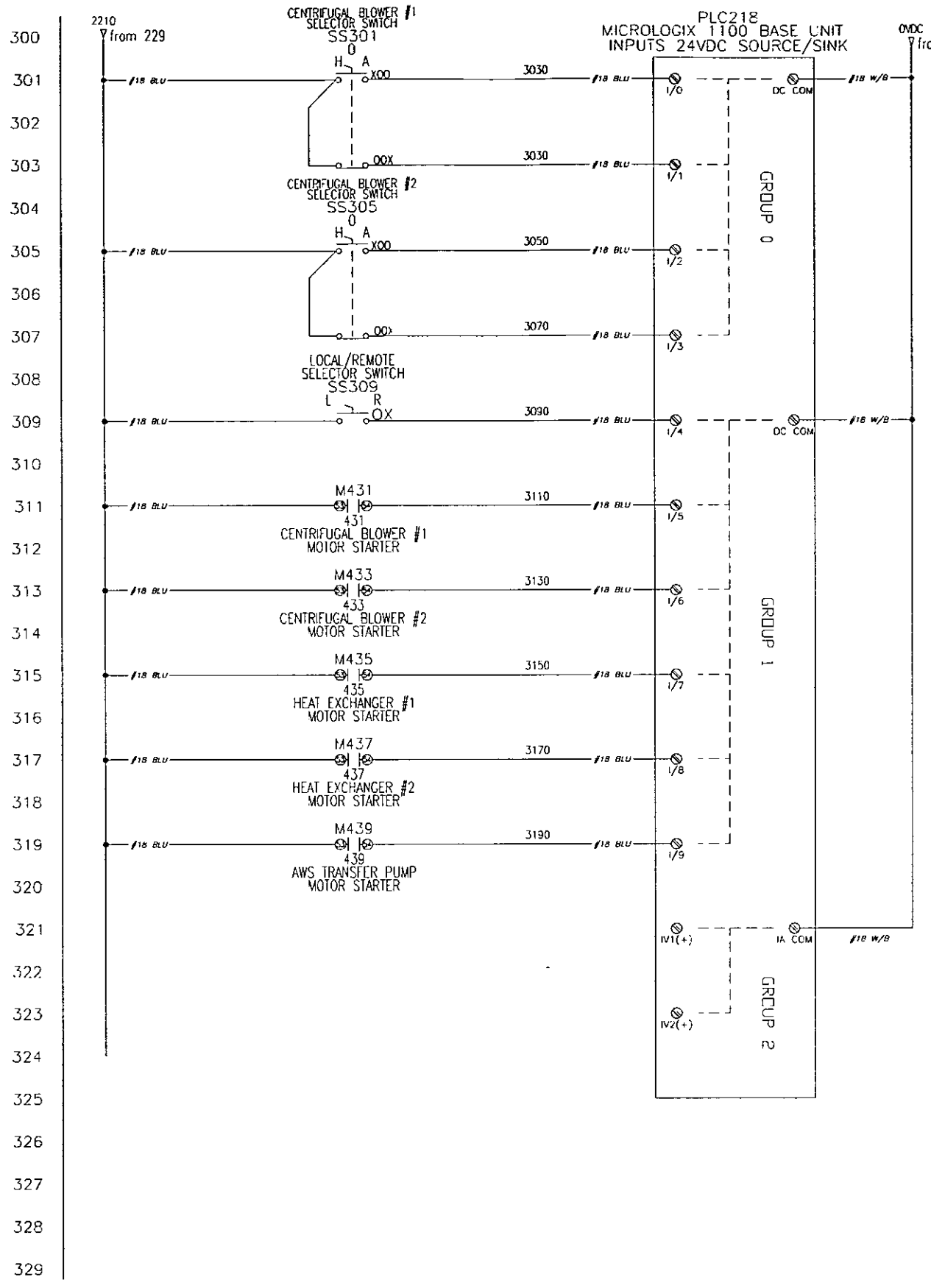
PROCESS LOGIC CORPORATION
2000 W. 1ST STREET
MUNCIE, IN 47302-4940
PH: 765-748-1919
FAX: 765-288-1962

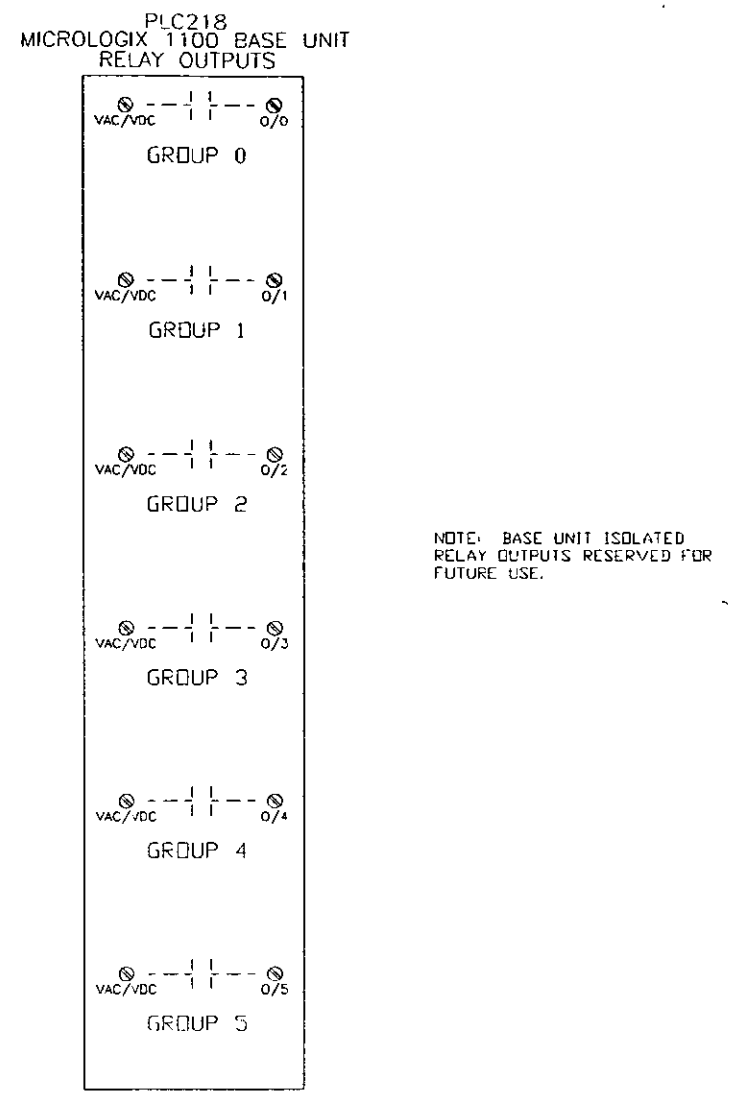
CAD FILENAME

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10001423

10001424





NOTE: BASE UNIT ISOLATED RELAY OUTPUTS RESERVED FOR FUTURE USE.

PROCESS LOGIC CORPORATION

UNION EQUIPMENT
CH2M HILL-MEMPHIS DEPOT
DUNN FIELD

Description:
PLC BASE UNIT I/O

3 OF 7

DRAWING INFORMATION:

DRAWN BY: KBC
CHECKED BY: KBC
PROJECT DATE: 5/15/2007
PROJECT NUMBER

PROCESS LOGIC CORPORATION
4301 VIP CO. RD. 4003
MUNCIE, IN 47302-9449
PH 765-749-1919
FAX 765-288-1592

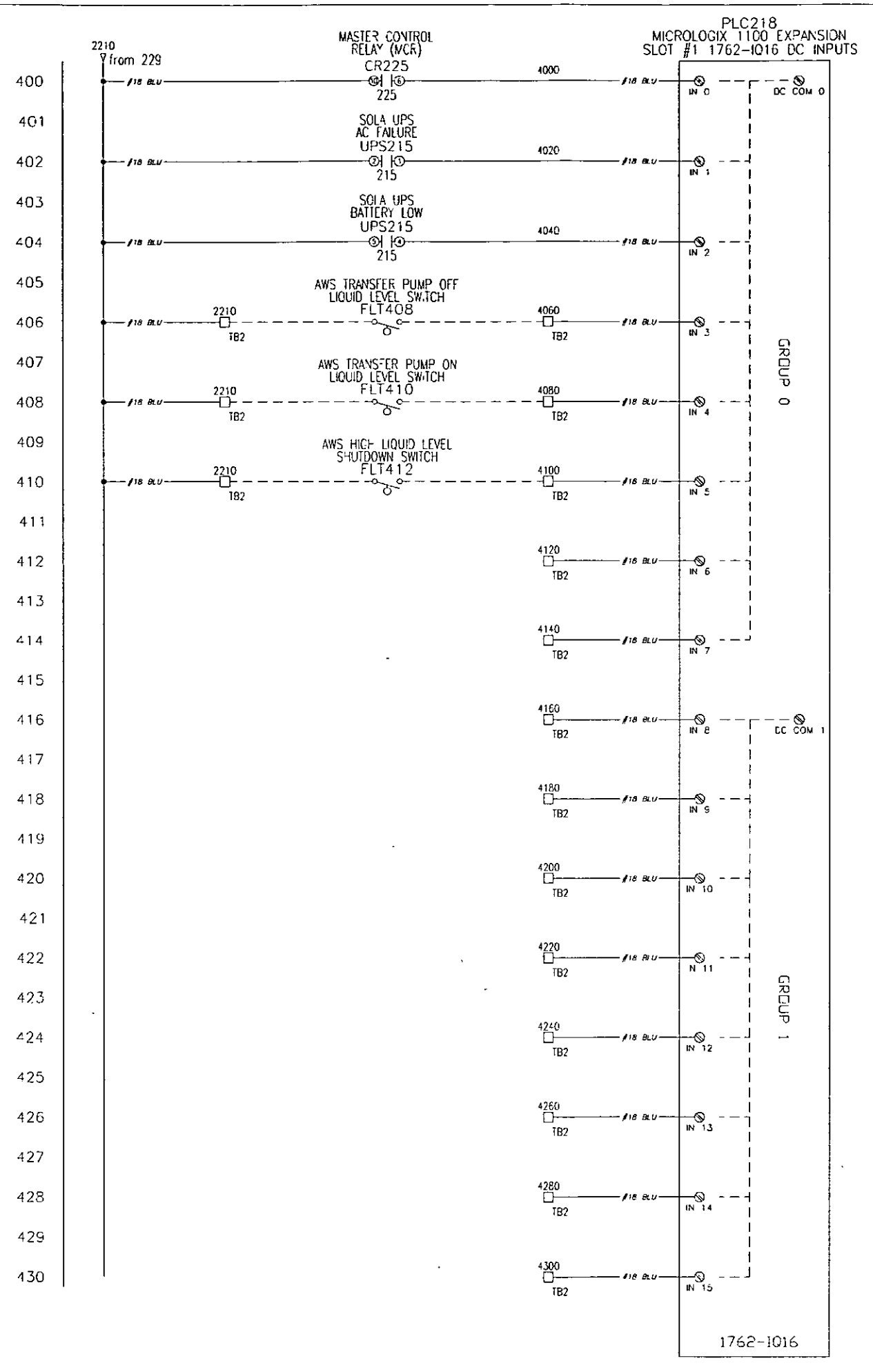
REVISION NOTES:

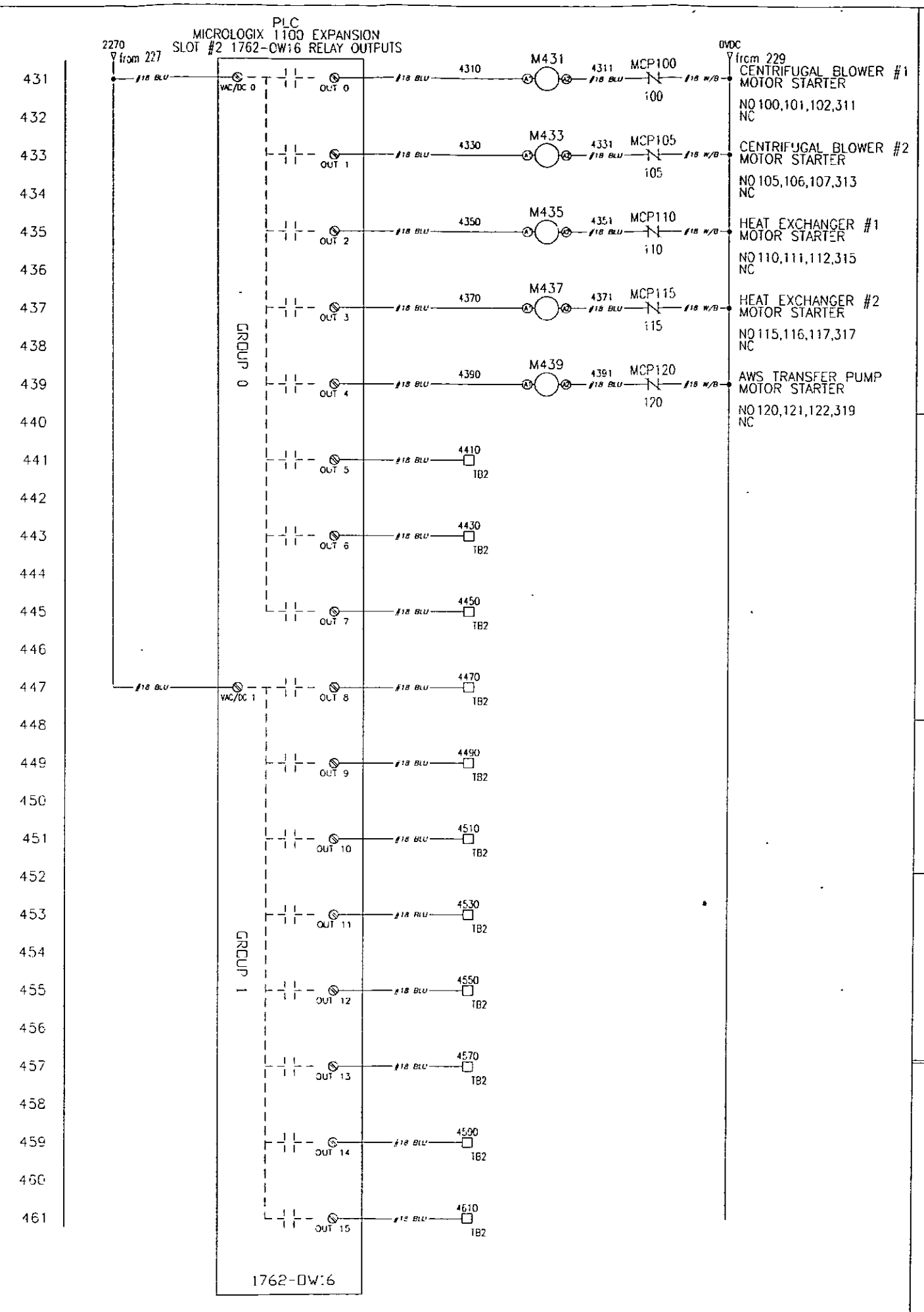
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PROCESS LOGIC CORPORATION

ONION EQUIPMENT
CH2M HILL-MEMPHIS DEPOT
DUNN FIELD

Description:
PLC EXP. SLOTS 1 & 2

4 OF 7

DRAWING INFORMATION:

DRAWN BY: KBC
CHECKED BY: KBC
PROJECT DATE: 5/15/2007
PROJECT NUMBER:

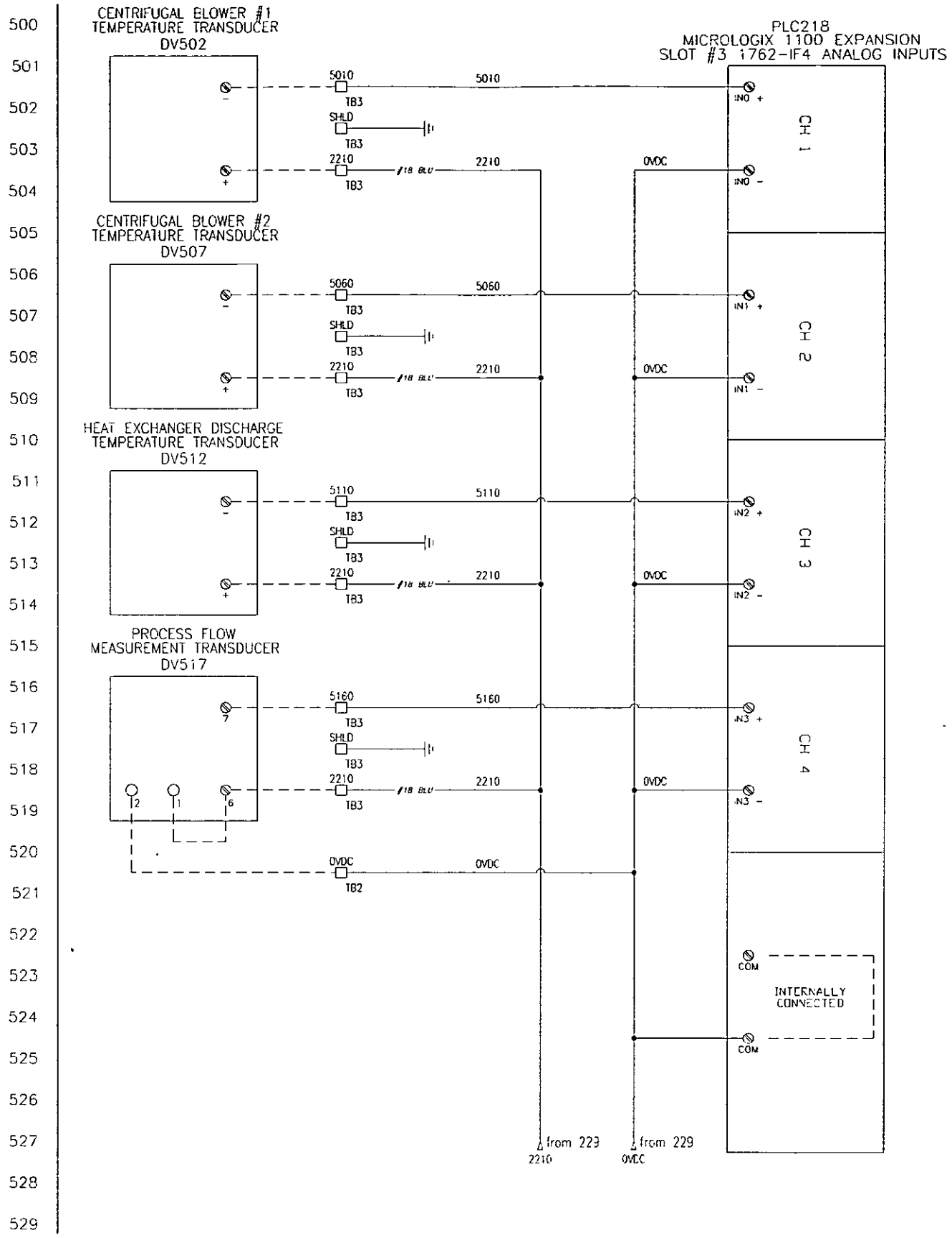
PROCESS LOGIC CORPORATION
4301 CO. RD. 400 S.
MUNCIE, IN 47302-8949
PH. 765-748-1919
FAX. 765-288-1562

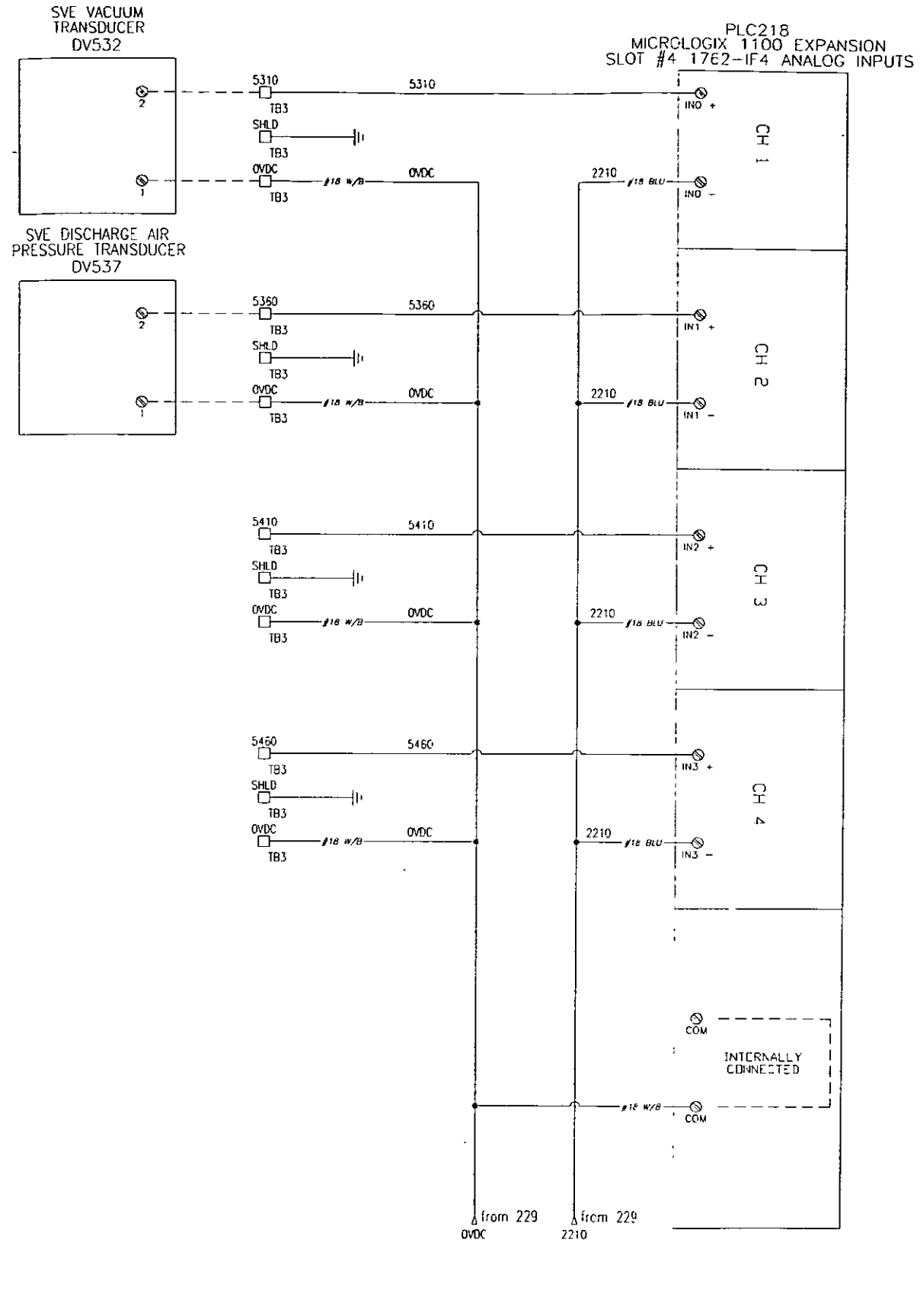
CAD FILENAME:

REVISION NOTES:

REV	DATE	BY

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PROCESS LOGIC CORPORATION

UNION EQUIPMENT
CH2M HILL-MEMPHIS DEPOT
DUNN FIELD

Description:
PLC EXP. SLOTS 3 & 4

5 OF 7

DRAWING INFORMATION:

DRAWN BY	KBC
CHECKED BY:	KBC
PROJECT DATE:	5/15/2007
PROJECT NUMBER	

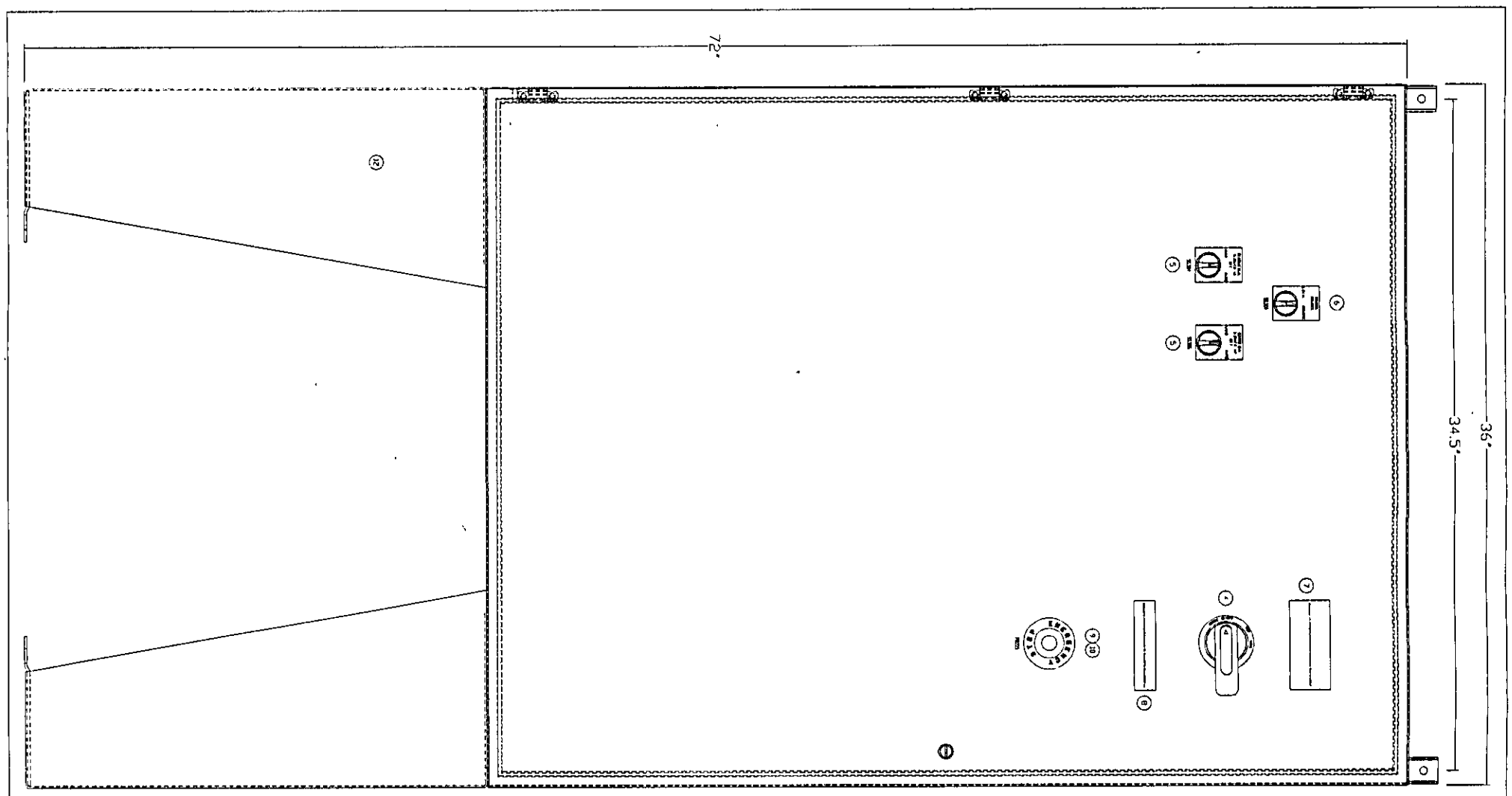
PROCESS LOGIC CORPORATION
4901 W. CO. RD. 400 S.
MUNCIE, IN 47302-8949
PH: 765-768-1919
FAX: 765-288-1562

CAD FILENAME:

REVISION NOTES:

REV	DATE	BY

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ITEM #	QTY	CATALOG	MFG	DESCRIPTION
1	1	CSD483612	HOFFMAN	NEMA 4/12 ENCLOSURE 48" x 36" x 12"
2	1	CP4836	HOFFMAN	STEEL BACK PANEL
3	1	CMFK	HOFFMAN	CONCEPT NEMA 4/12 MOUNTING FEET
4	1	GHMVB12B	CUTLER HAMMER	ROTARY HANDLE 100A MCCB 12IN NEMA 12
5	2	SSD3-ASLVE-ND/ND	C3 CONTROLS	30mm 3-POS SELECTOR SWITCH
6	1	SSD2-ASHVE-ND	C3 CONTROLS	30mm 2-POS SELECTOR SWITCH
7	1	J5318	SAFETY SIGN	ELECTRICAL HAZARD SAFETY LABEL
8	1	44215	BRADY	480 VOLTS ORANGE SAFETY LABEL
9	1	PTR-ATMCRD-NC	C3 CONTROLS	EMERGENCY STOP PUSH BUTTON
10	1	LPRMYV-04	C3 CONTROLS	E-STOP ROUND YELLOW LEGEND PLATE
11	1	P-R2-F3R0	GRACE ENGINEERING	RJ45 ETHERNET PANEL INTERFACE
12	1	AFK2412	HOFFMAN	FLOOR STAND KIT
13	1	HS5F5AS	SOLA / HEVI-DUTY	5kVA TRANSFORMER 480-240/120VAC 1P

REVISION NOTES:			DRAWING INFORMATION:	
REV	DATE:	BY	DRAWN BY:	KBC
			CHECKED BY:	KBC
			PROJECT DATE:	5/15/2007
			PROJECT NUMBER:	
			PROCESS LOGIC CORPORATION 4901 W. CO RD. 400 S. MUNCIE, IN 47302-8949 PH. 765-748-1919 FAX. 765-288-1562	
CAD FILENAME:				

PROCESS LOGIC CORPORATION

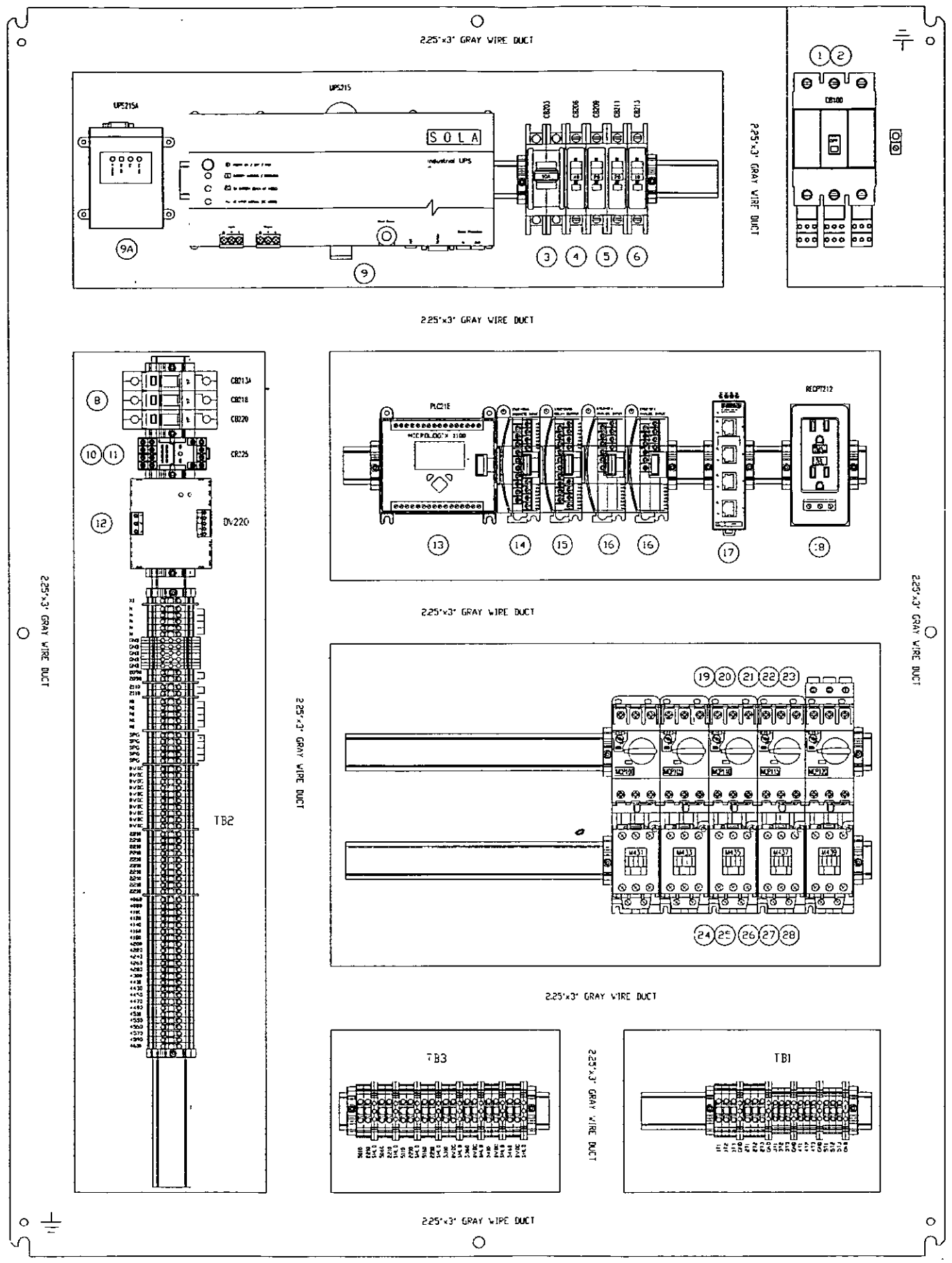
ONION EQUIPMENT
CH2M HILL-MEMPHIS DEPOT
DUNN FIELD

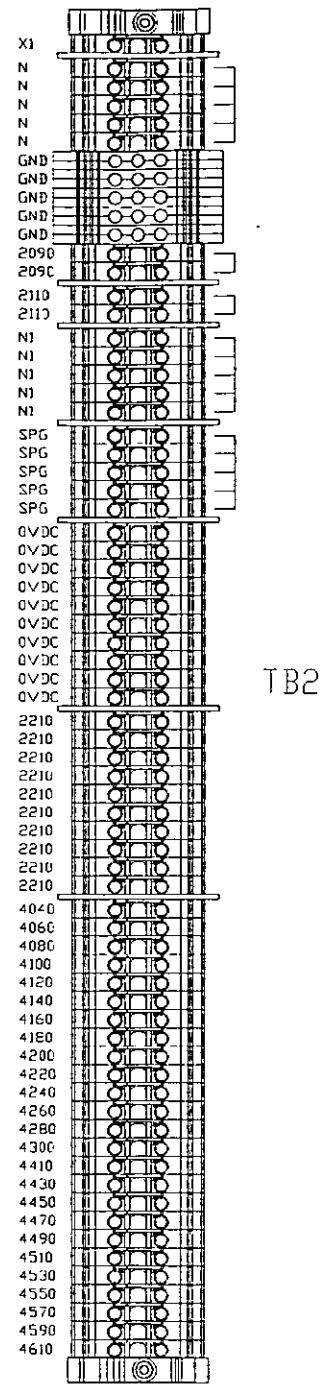
Description:
PANEL EXTERIOR LAYOUT

6 OF 7

10001427

10001428

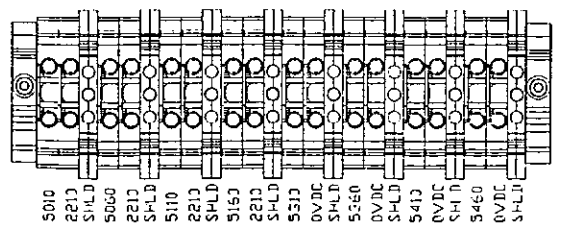




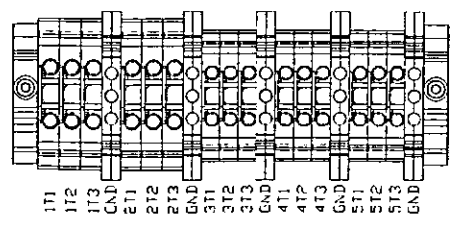
TB2

ITEM #	QTY	CATALOG	MFG	DESCRIPTION
1	1	G3P-100	CUTLER HAMMER	MOLDED CASE CIRCUIT BREAKER 300AMP
2	1	3TA100G6K	CUTLER HAMMER	MCCB ACCESSORY 100A 6 WIRE CONNECTOR
3	1	2DU5L	A_TECH	UL489 MINI CIR BRKR 5A 480VAC
4	1	QDU140	SQUARE D	1P 40A BRANCH CIRCUIT BREAKER
5	2	QDU120	SQUARE D	1P 15A BRANCH CIRCUIT BREAKER
6	1	QDU110	SQUARE D	1P 10A BRANCH CIRCUIT BREAKER
7				
8	3	WMS1D02	CUTLER HAMMER	SUPP PROT 1 POLE 2A D CURVE
9	1	SDU50C	SOLA	300W DIN-RAIL UPS
9A	1	RELAYCARD-STD	SOLA	ALARM RELAY EXPANSION CARD
10	1	GPRM-B4C05D-3	C3 CONTROLS	120VAC MINATURE SQUARE BASE RELAY
11	1	GPRA-SB14U1	C3 CONTROLS	7A, 14-BLADE RELAY BASE
12	1	PSP24-120S	RHINO	POWER SUPPLY 24VDC, 120W, SWITCHING
13	1	1763-L16BWA	ALLEN BRADLEY	MICROLOGIX 1100 PLC 10 DC IN/6 RELAY OUT
14	1	1762-IP16	ALLEN BRADLEY	16 PT, 24VDC SINK/SOURCE INPUT MODULE
15	1	1762-OW16	ALLEN BRADLEY	16 PT, RELAY OUTPUT MODULE
16	2	1762-IF4	ALLEN BRADLEY	4-CH ANALOG INPUT MODULE
17	1	2891152	PHOENIX CONTACT	5-PORT UNMANAGED ETHERNET SWITCH
18	1	IMACPGFI02	ASI	GFCI RECEPTACLE, DIN RAIL MOUNTED
19	1	BZ0BR05A	FUJI ELECTRIC	MMS BUSBAR BM3RH 5-POSITION
20	1	BM3RHB-1P6	FUJI ELECTRIC	1.6A 45MM ROTARY MANUAL MOTOR PROT
21	2	BM3RHB-6P3	FUJI ELECTRIC	6.3A 45MM ROTARY MANUAL MOTOR PROT.
22	2	BM3RHB-020	FUJI ELECTRIC	20A 45MM ROTARY MANUAL MOTOR PROT
23	5	BZ0LRE22GA	FUJI ELECTRIC	LINK MODULE BM3RH DC E02-E05
24	5	BZ0K1B	FUJI ELECTRIC	MMS ALARM CONTACT INC FRONT MOUNT
25	3	SC-E02G-24VDC	FUJI ELECTRIC	9A CONTACTOR 43MM 24VDC COIL
26	2	SC-E05G-24VDC	FUJI ELECTRIC	25A CONTACTOR 43MM 24VDC COIL
27	5	BZ0BPRE22A	FUJI ELECTRIC	MMS BASE PLATE BM3RH NP TO E05
28	5	SZ-A20T	FUJI ELECTRIC	AUX CONTACT 2ND E02-E4 FRONT
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				

TB3



TB1



PROCESS LOGIC CORPORATION

UNION EQUIPMENT
CH2M HILL-MEMPHIS DEPOT
DUNN FIELD

Description: PANEL INTERIOR LAYOUT

7 OF 7

DRAWING INFORMATION:

DRAWN BY: KBC
CHECKED BY: KBC
PROJECT DATE: 5/15/2007
PROJECT NUMBER:

PROCESS LOGIC CORPORATION
4811 W. CO. RD. 400 S
MUNCIE, IN 47302-8849
PH: 765-288-1502
FAX: 765-288-1542

CAD FILENAME:

REVISION NOTES:

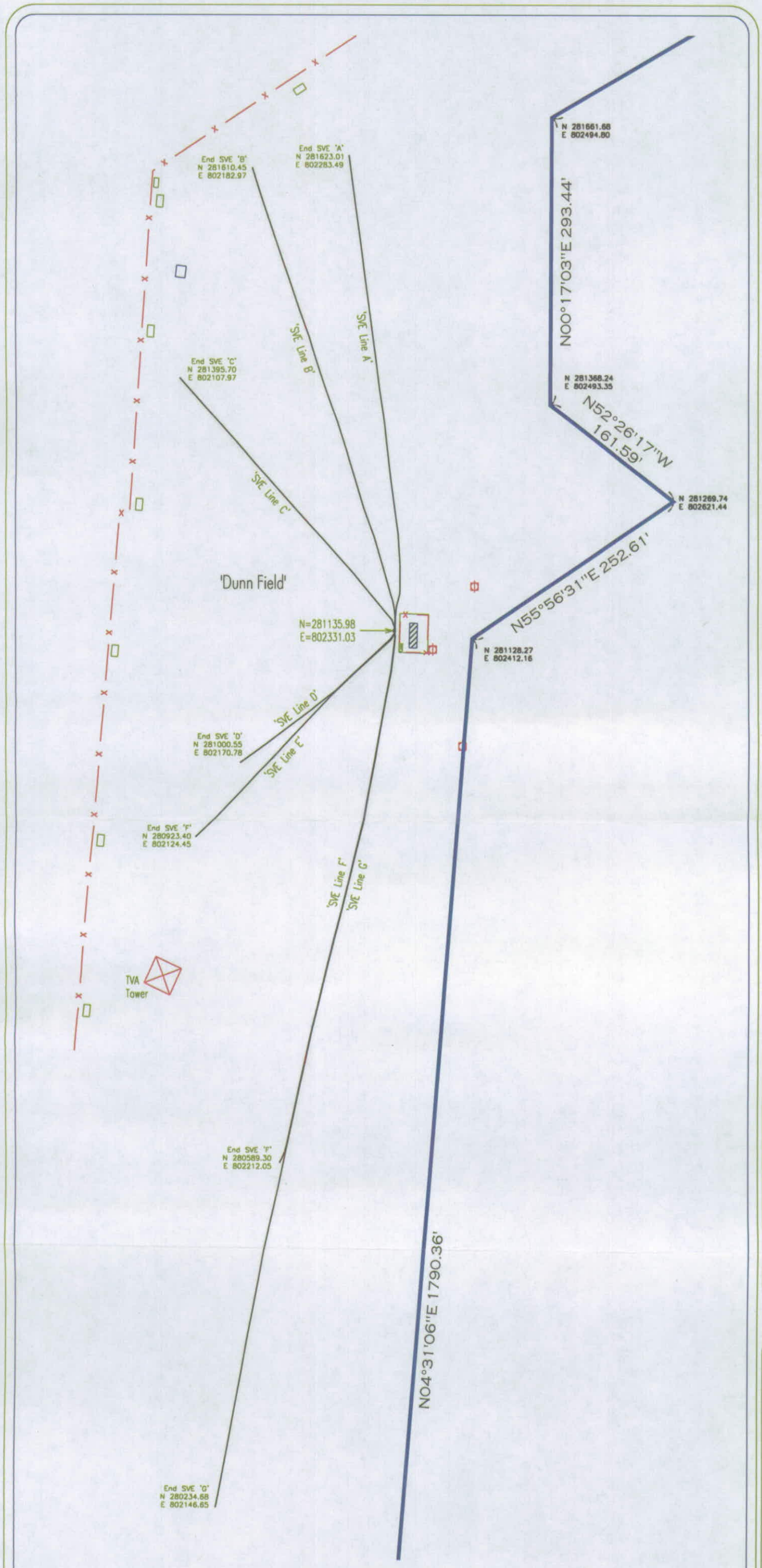
REV	DATE:	BY:

Confidential and Proprietary Information of Process Logic Corporation

APPENDIX G

SURVEY PLOTS

SVE Stakeout Data
Dunn Field



JAMES B. CAUGHMAN III
REGISTERED LAND SURVEYOR
XVI
AGRICULTURE
COMMERCE
TENNESSEE No. 1818

Site Location: Dunn Field at
The Memphis Depot.
Date of Survey: July, 2007

Survey data by: Allen&Hoshall, Inc.
1661 International Drive, #100
Memphis, TN 38120
(901) 820-0820
Proj #: 77172

Grid North, NAD27

GRAPHIC SCALE

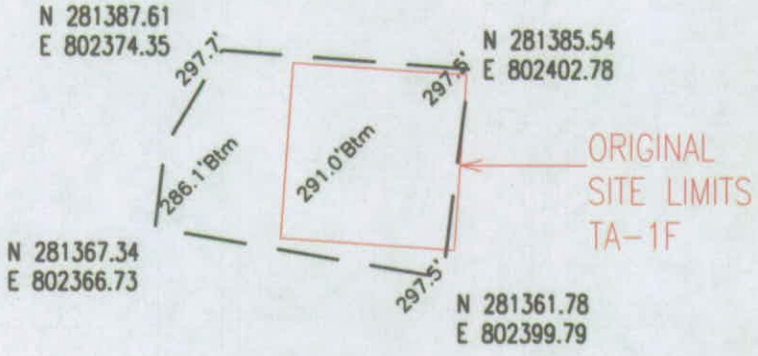
100 0 50 100

(IN FEET)
1 inch = 40 ft.

10001430

10001431

12-11-07
EXCAVATED
PIT LIMITS



Memphis Depot-Dunn Field
Client: E2M
Site: TA-1F

NAD-27

GRAPHIC SCALE

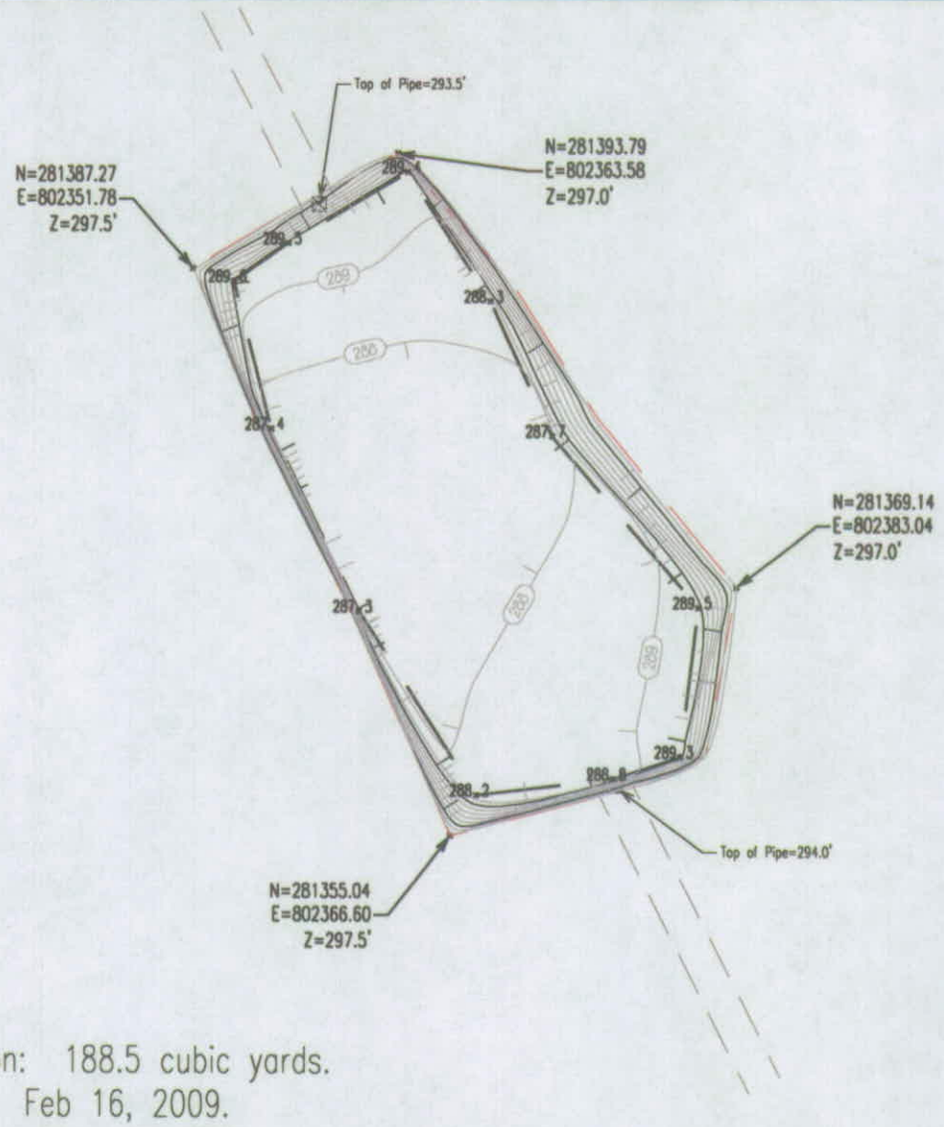
20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

JAMES B. CAUGHMAN III
REGISTERED LAND SURVEYOR
XVI
AGRICULTURE
COMMERCE
TENNESSEE No. 1818

Survey by:
ALLEN&HOSHALL, INC.
1661 International Drive, #100
Memphis, TN 38120
(901) 820-0820
Date of Survey:12-11-07

10001432



Volume of Excavation: 188.5 cubic yards.
Date of Excavation: Feb 16, 2009.
Date of Survey data: Feb. 17, 2009.

Site Location: Dunn Field at
The Memphis Depot.

Elevations shown are dirt/grade on
February 17, 2009

Survey data by: Allen&Hoshall, Inc.
1661 International Drive, #100
Memphis, TN 38120
(901) 820-0820
Date of Orig. Survey: 2-16-09.
Date of Final Survey: 2-17-09.
A/H Proj #: 77296
Sheet 1 of 1

Volume
Calculation Data

JAMES B. CAUGHMAN III
REGISTERED LAND SURVEYOR
XVI
AGRICULTURE
COMMERCE
TENNESSEE No. 1818

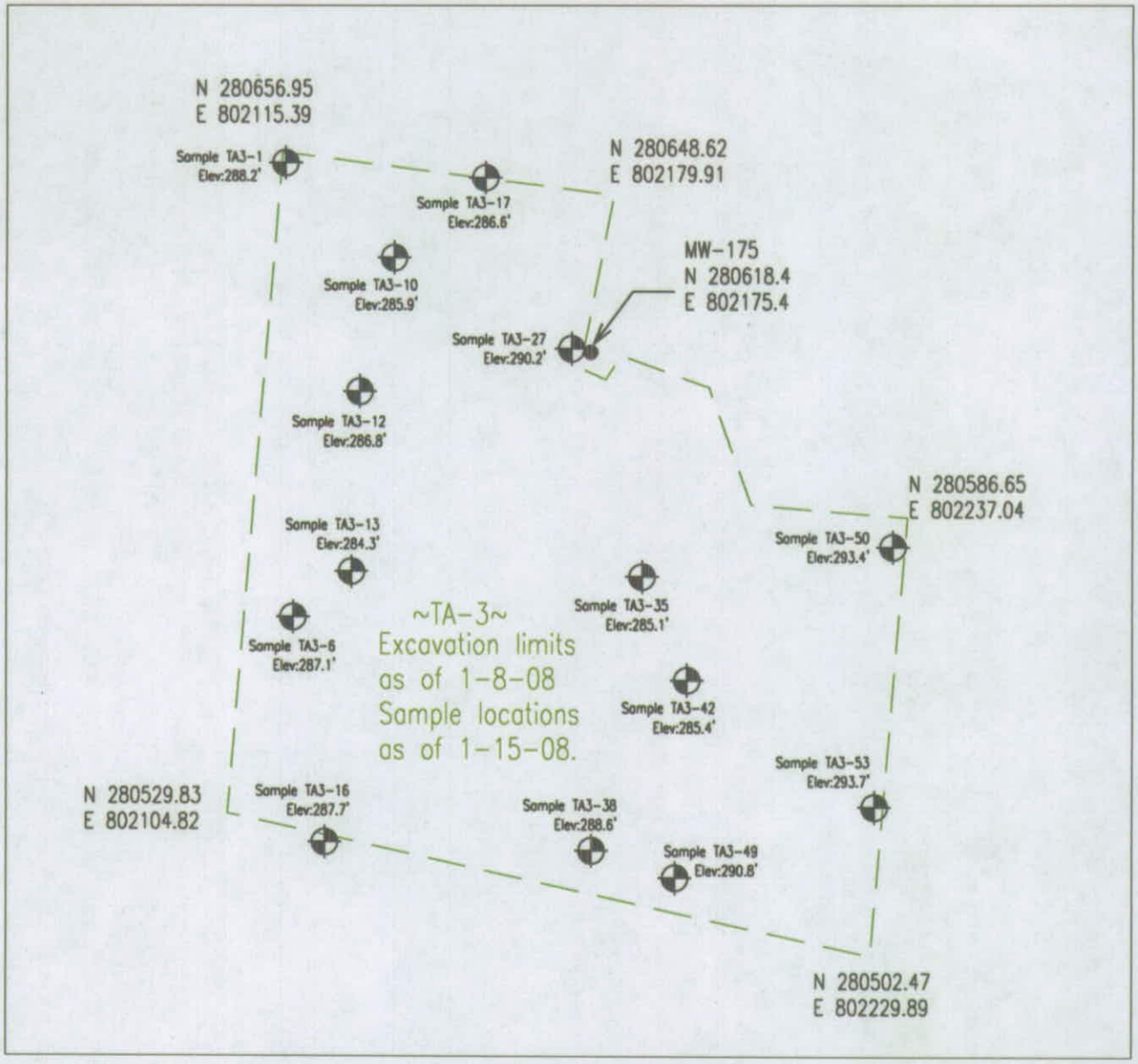
Grid North, NAD27

GRAPHIC SCALE

10 0 5 10

(IN FEET)
1 inch = 10 ft.

10001433



Memphis Depot-Dunn Field
Client: E2M

NAD-27

GRAPHIC SCALE

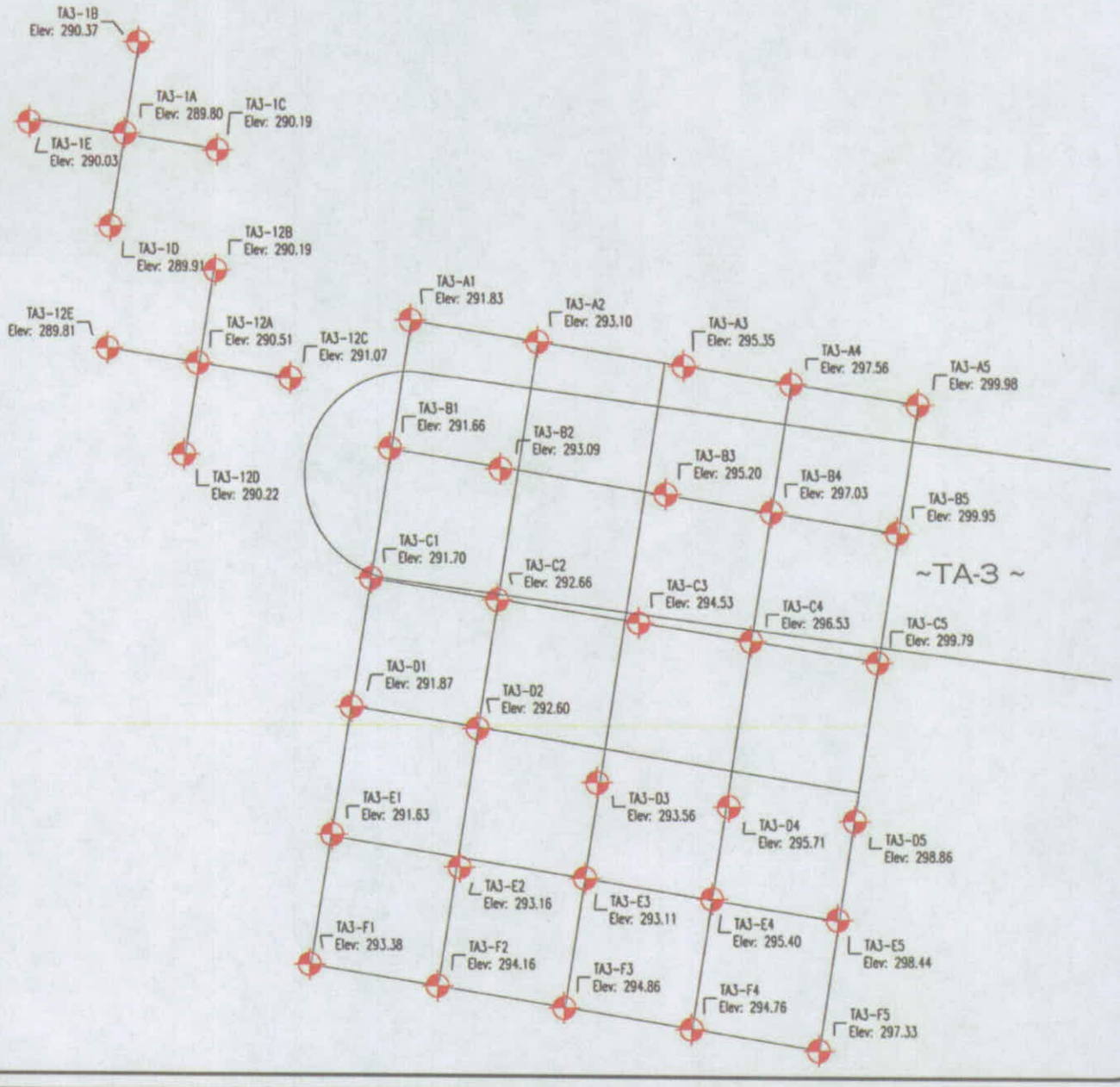
30 0 15 30 60

(IN FEET)
1 inch = 30 ft.

JAMES B. CAUGHMAN III
REGISTERED LAND SURVEYOR
XVI
AGRICULTURE
COMMERCE
TENNESSEE No. 1818

Survey by:
ALLEN&HOSHALL, INC.
1661 International Drive, #100
Memphis, TN 38120
(901) 820-0820
Date of Survey:1-15-08

10001434



Site Location: Dunn Field at
The Memphis Depot.

Elevations shown are dirt/grade on
March 3, 2009.

Location coordinates of borings
staked were provided by the client.

Survey data by: Allen&Hoshall, Inc.
1661 International Drive, #100
Memphis, TN 38120
(901) 820-0820
Date of Stakeout: 2-16-09.
Date of Boring Locate: 3-3-09.
A/H Proj #: 77296
Sheet 1 of 2

TA-3 Boring Data

JAMES B. CAUGHMAN III
REGISTERED LAND SURVEYOR
TENNESSEE No. 2601818

Grid North, NAD27

GRAPHIC SCALE

30 15 0 15

(IN FEET)
1 inch = 30 ft.

Point Table				
Pt.#	Northing	Easting	Elev.	Desc.
2037	280654.98	802116.02	289.80'	TA3-1A
2038	280672.42	802118.67	290.37'	TA3-1B
2036	280651.83	802134.02	290.19'	TA3-1C
2035	280636.95	802113.18	289.91'	TA3-1D
2064	280657.12	802097.50	290.03'	TA3-1E
2031	280610.83	802130.11	290.51'	TA3-12A
2034	280628.56	802133.61	290.19'	TA3-12B
2030	280608.02	802148.22	291.07'	TA3-12C
2032	280593.31	802127.45	290.22'	TA3-12D
2033	280613.62	802112.68	289.81'	TA3-12E
2029	280619.14	802171.65	291.83'	TA3-A1
2028	280615.14	802196.36	293.10'	TA3-A2
2027	280610.56	802224.81	295.35'	TA3-A3
2026	280607.19	802245.76	297.56'	TA3-A4
2025	280603.31	802270.42	299.98'	TA3-A5
2039	280594.64	802167.61	291.66'	TA3-B1
2040	280590.80	802189.10	293.09'	TA3-B2
2041	280586.06	802221.24	295.20'	TA3-B3
2042	280582.66	802241.87	297.03'	TA3-B4
2043	280578.78	802266.34	299.95'	TA3-B5

Point Table				
Pt.#	Northing	Easting	Elev.	Desc.
2048	280569.77	802163.87	291.70'	TA3-C1
2047	280565.71	802188.44	292.66'	TA3-C2
2046	280561.34	802215.88	294.53'	TA3-C3
2045	280557.86	802237.78	296.53'	TA3-C4
2044	280553.84	802262.41	299.79'	TA3-C5
2049	280544.99	802160.00	291.87'	TA3-D1
2054	280540.93	802184.51	292.60'	TA3-D2
2055	280530.85	802207.71	293.56'	TA3-D3
2059	280526.34	802233.30	295.71'	TA3-D4
2060	280523.66	802257.86	298.86'	TA3-D5
2050	280520.66	802156.18	291.63'	TA3-E1
2053	280514.50	802180.98	293.16'	TA3-E2
2056	280512.53	802205.30	293.11'	TA3-E3
2058	280508.69	802229.97	295.40'	TA3-E4
2061	280504.80	802254.45	298.44'	TA3-E5
2051	280495.79	802151.82	293.38'	TA3-F1
2052	280491.79	802176.69	294.16'	TA3-F2
2057	280487.73	802201.20	294.86'	TA3-F3
2063	280483.79	802225.92	294.76'	TA3-F4
2062	280479.82	802250.72	297.33'	TA3-F5

Site Location: Dunn Field at
The Memphis Depot.

Elevations shown are dirt/grade on
March 3, 2009.

Location coordinates of borings
staked were provided by the client.

Survey data by: Allen&Hoshall, Inc.
1661 International Drive, #100
Memphis, TN 38120
(901) 820-0820
Date of Stakeout: 2-16-09.
Date of Boring Locate: 3-3-09.
A/H Proj #: 77296
Sheet 2 of 2

TA-3 Boring Data





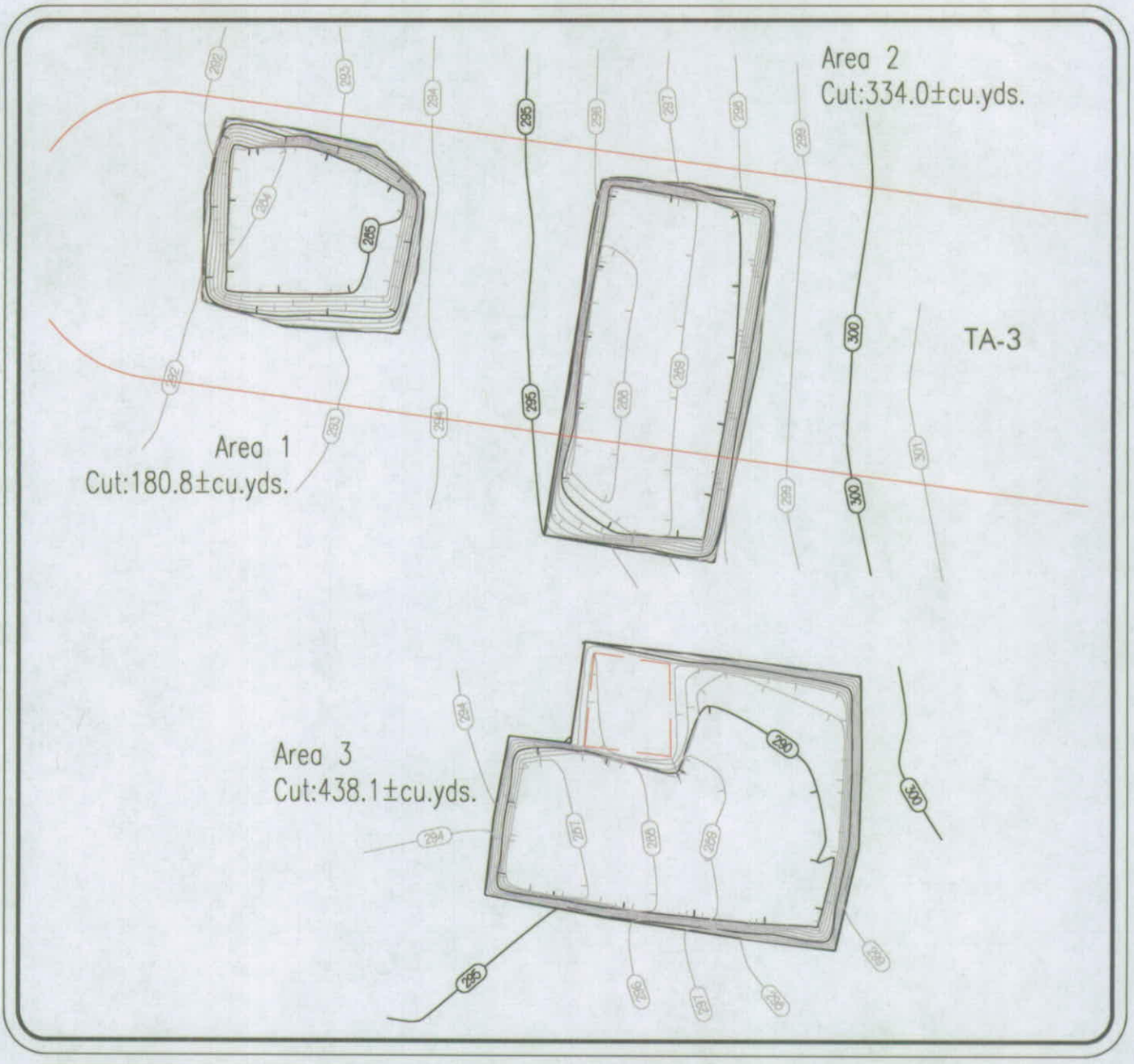
Grid North, NAD27

GRAPHIC SCALE

30 15 0 15

(IN FEET)
1 inch = 30 ft.

10001436



Site Location: Dunn Field at
The Memphis Depot, Area TA-3.

Elevations shown are dirt/grade on
Pre-Excavation date: May 4, 2009.
Post Excavation date: May 18, 2009.
(Post-Excavation elevations shown)

Survey data by: Allen&Hoshall, Inc.
1661 International Drive, #100
Memphis, TN 38120
(901) 820-0820
Date of Survey: 5-4-09, 5-18-09
Proj #: 77296
Sheet 1 of 1

Area: TA-3
Volume Calculation

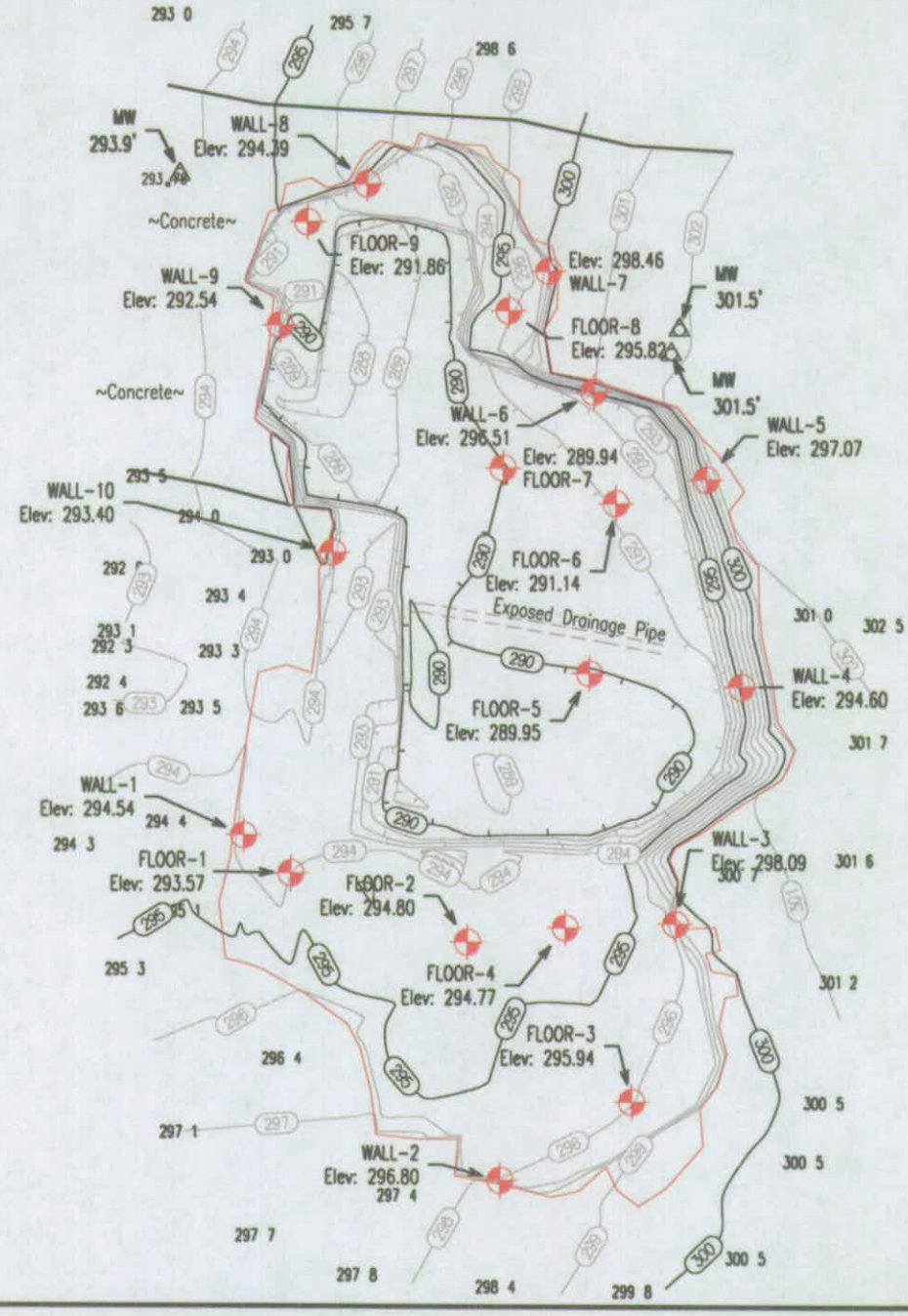
JAMES B. CAUGHMAN III
REGISTERED LAND SURVEYOR
TENNESSEE No. 1818

Grid North, NAD27

GRAPHIC SCALE

20 10 0 20

(IN FEET)
1 inch = 20 ft.



Site Location: Dunn Field at
The Memphis Depot.

Elevations shown are dirt/grade on
June 8, 2009

Volume Computation
Cut: 2,250±Cu.Yds

Survey data by: Allen&Hoshall, Inc.
1661 International Drive, #100
Memphis, TN 38120
(901) 820-0820
Date of Survey: 5-4-09.
Proj #: 77296
Sheet 1 of 1

Area: TA-3

Excavation Volume Computation

JAMES B. CAUGHMAN III
REGISTERED LAND SURVEYOR
XVI
AGRICULTURE
COMMERCE
TENNESSEE No. 1818

Grid North, NAD27

GRAPHIC SCALE

30 15 0 15

(IN FEET)
1 inch = 30 ft.

10001438



Site Location: Dunn Field at
The Memphis Depot, Area TA-3.

Elevations shown are dirt/grade on
Pre-Excavation date: May 4, 2009.
Post Excavation date: June 16, 2009.
Volume of Excavation: 2,672±cu.yds.
(Post-Excavation elevations shown)

Survey data by: Allen&Hoshall, Inc.
1661 International Drive, #100
Memphis, TN 38120
(901) 820-0820
Date of Survey: 5-4-09, 6-16-09
Proj #: 77296
Sheet 1 of 1

Area: TA-3
Volume Calculation

JAMES B. CAUGHMAN III
REGISTERED LAND SURVEYOR
XVI
AGRICULTURE
COMMERCE
TENNESSEE No. 1818

Grid North, NAD27

GRAPHIC SCALE

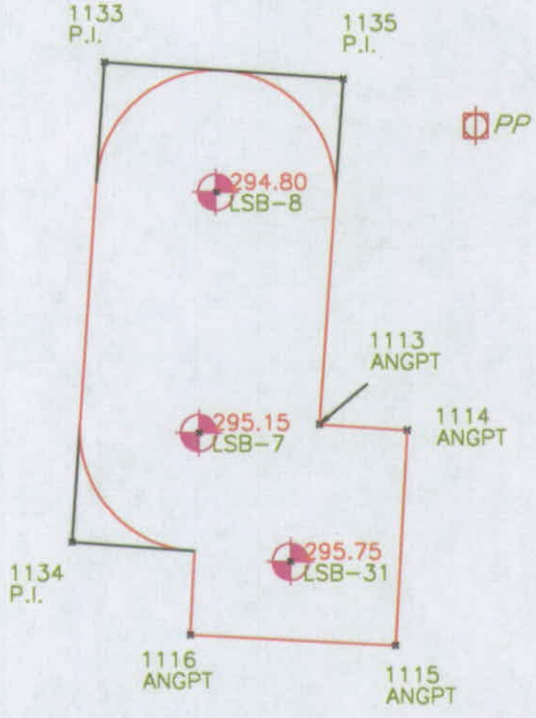
30 0 15 30

(IN FEET)
1 inch = 30 ft.

10001439

TA-1A Perimeter Staked Point Table				
Pt #	Northing	Easting	Elevation	Description
1113	281616.60	802423.70		ANGPT TA-1A
1114	281615.70	802438.36		ANGPT TA-1A
1115	281580.46	802436.51		ANGPT TA-1A
1116	281582.03	802402.18		ANGPT TA-1A
1133	281676.47	802387.64		P.I. TA-1A
1134	281597.10	802382.37		P.I. TA-1A
1135	281673.79	802427.58		P.I. TA-1A

LSBs Staked Points 2-8-08				
Pt #	Northing	Easting	Elevation	Description
2006	281615.21	802403.60	295.15	LSB-7
2007	281655.04	802406.40	294.80	LSB-8
2030	281594.03	802418.95	295.75	LSB-31



Site Location: Dunn Field at The Memphis Depot.

Elevations shown are dirt/grade on Feb 8, 2008.

Location coordinates of LSB's as staked were provided by the client.

Survey data by: Allen&Hoshall, Inc.
1661 International Drive, #100
Memphis, TN 38120
(901) 820-0820

Date of Survey: 11-28-07, 12-10-07 2-8-08, 4-3-08.

Proj #: 77172

Sheet 1 of 6

LSB Stakeout Data
Areas: TA-1A

JAMES B. CAUGHMAN III
REGISTERED LAND SURVEYOR
XVI
AGRICULTURE
COMMERCE
TENNESSEE No. 1818

Grid North, NAD27

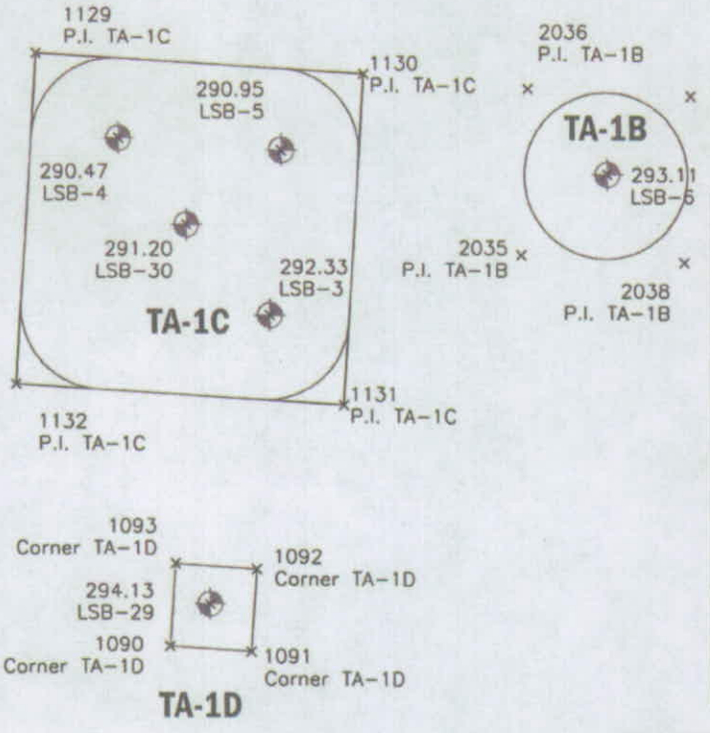
GRAPHIC SCALE

30 15 0 15

(IN FEET)

1 inch = 30 ft.

10001440



Perimeter Pts Point Table - TA-1B,1C,1D			
Point #	Northing	Easting	Raw Description
1090	281509.40	802176.71	Corner TA-1D
1091	281508.05	802196.66	Corner TA-1D
1092	281528.01	802198.01	Corner TA-1D
1093	281529.36	802178.06	Corner TA-1D
2035	281604.11	802262.74	P.I. TA-1B
2036	281644.08	802264.38	P.I. TA-1B
2037	281642.44	802304.30	P.I. TA-1B
2038	281602.42	802302.65	P.I. TA-1B
1129	281652.21	802144.23	P.I. TA-1C
1130	281647.41	802224.09	P.I. TA-1C
1131	281567.55	802219.29	P.I. TA-1C
1132	281572.35	802139.43	P.I. TA-1C

Staked 2-8-08 Point Table - TA-1B, 1C, 1D				
Point #	Northing	Easting	Elevation	Raw Description
2002	281589.18	802201.22	292.33	LSB-3
2003	281631.85	802164.26	290.47	LSB-4
2004	281629.03	802204.01	290.95	LSB-5
2005	281623.50	802283.91	293.11	LSB-6
2028	281519.54	802186.51	294.13	LSB-29
3035	281611.10	802180.78	291.20	LSB-30

Site Location: Dunn Field at The Memphis Depot.

Elevations shown are dirt/grade on Feb 8, 2008.

Location coordinates of LSB's as staked were provided by the client.

Survey data by: Allen&Hoshall, Inc.
1661 International Drive, #100
Memphis, TN 38120
(901) 820-0820

Date of Survey: 11-28-07, 12-10-07 2-8-08, 4-3-08.

Proj #: 77172

Sheet 2 of 6

LSB Stakeout Data
Areas: TA-1B, TA-1C & TA-1D



Grid North, NAD27

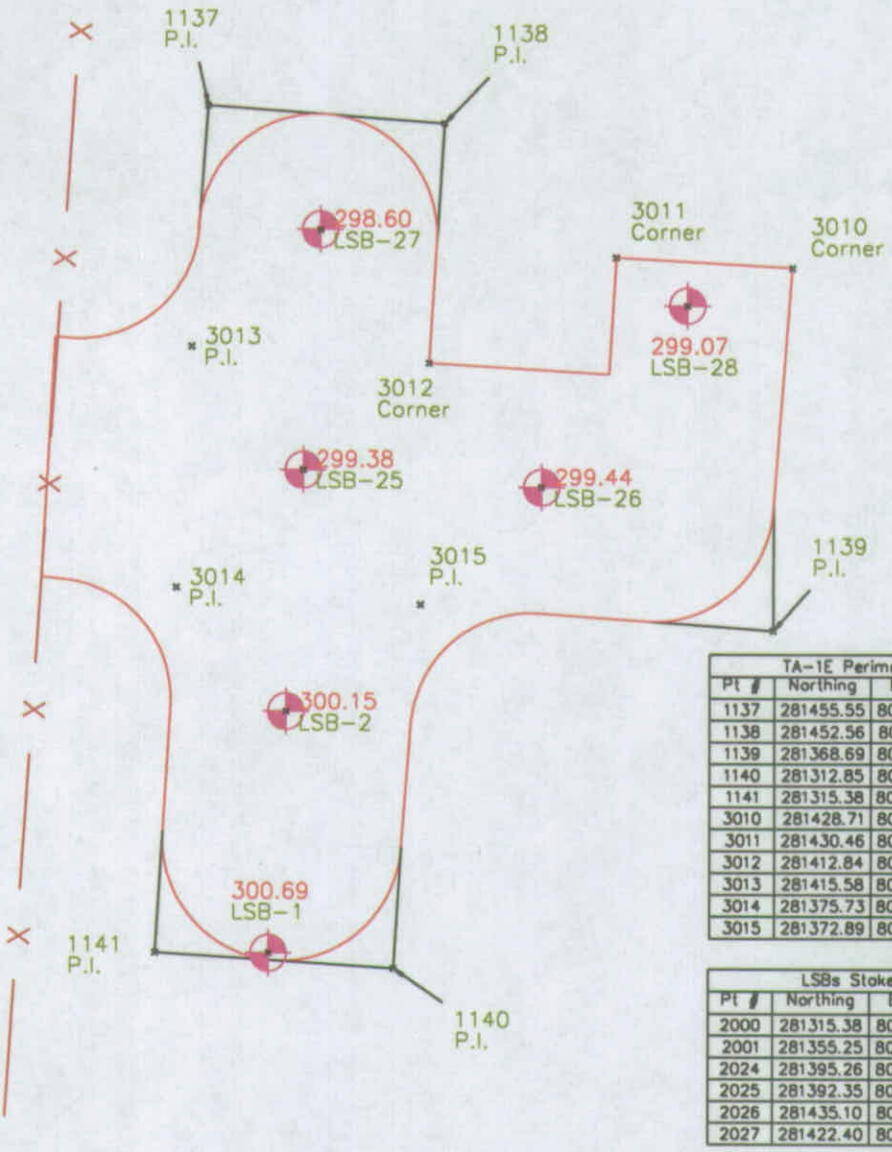
GRAPHIC SCALE

40 20 0 20

(IN FEET)

1 inch = 40 ft.

10001441



TA-1E Perimeter Staked Point Table				
Pt #	Northing	Easting	Elevation	Description
1137	281455.55	802091.73		P.I. TA-1E
1138	281452.56	802131.29		P.I. TA-1E
1139	281368.69	802186.26		P.I. TA-1E
1140	281312.85	802122.86		P.I. TA-1E
1141	281315.38	802082.94		P.I. TA-1E
3010	281428.71	802189.48		Corner TA-1E
3011	281430.46	802159.97		Corner TA-1E
3012	281412.84	802128.72		Corner TA-1E
3013	281415.58	802088.99		P.I. TA-1E
3014	281375.73	802086.48		P.I. TA-1E
3015	281372.89	802127.29		P.I. TA-1E

LSBs Staked Points 2-8-08				
Pt #	Northing	Easting	Elevation	Description
2000	281315.38	802101.93	300.69	LSB-1
2001	281355.25	802104.85	300.15	LSB-2
2024	281395.26	802107.66	299.38	LSB-25
2025	281392.35	802147.53	299.44	LSB-26
2026	281435.10	802110.59	298.60	LSB-27
2027	281422.40	802171.89	299.07	LSB-28

Site Location: Dunn Field at The Memphis Depot.

Elevations shown are dirt/grade on Feb 8, 2008.

Location coordinates of LSB's as staked were provided by the client.

Survey data by: Allen&Hoshall, Inc.
1661 International Drive, #100
Memphis, TN 38120
(901) 820-0820

Date of Survey: 11-28-07, 12-10-07 2-8-08, 4-3-08.

Proj #: 77172

Sheet 3 of 6

LSB Stakeout Data
Area: TA-1E

JAMES B. CAUGHMAN III
REGISTERED LAND SURVEYOR
XVI
AGRICULTURE
COMMERCE
TENNESSEE No. 1818

Grid North, NAD27

GRAPHIC SCALE

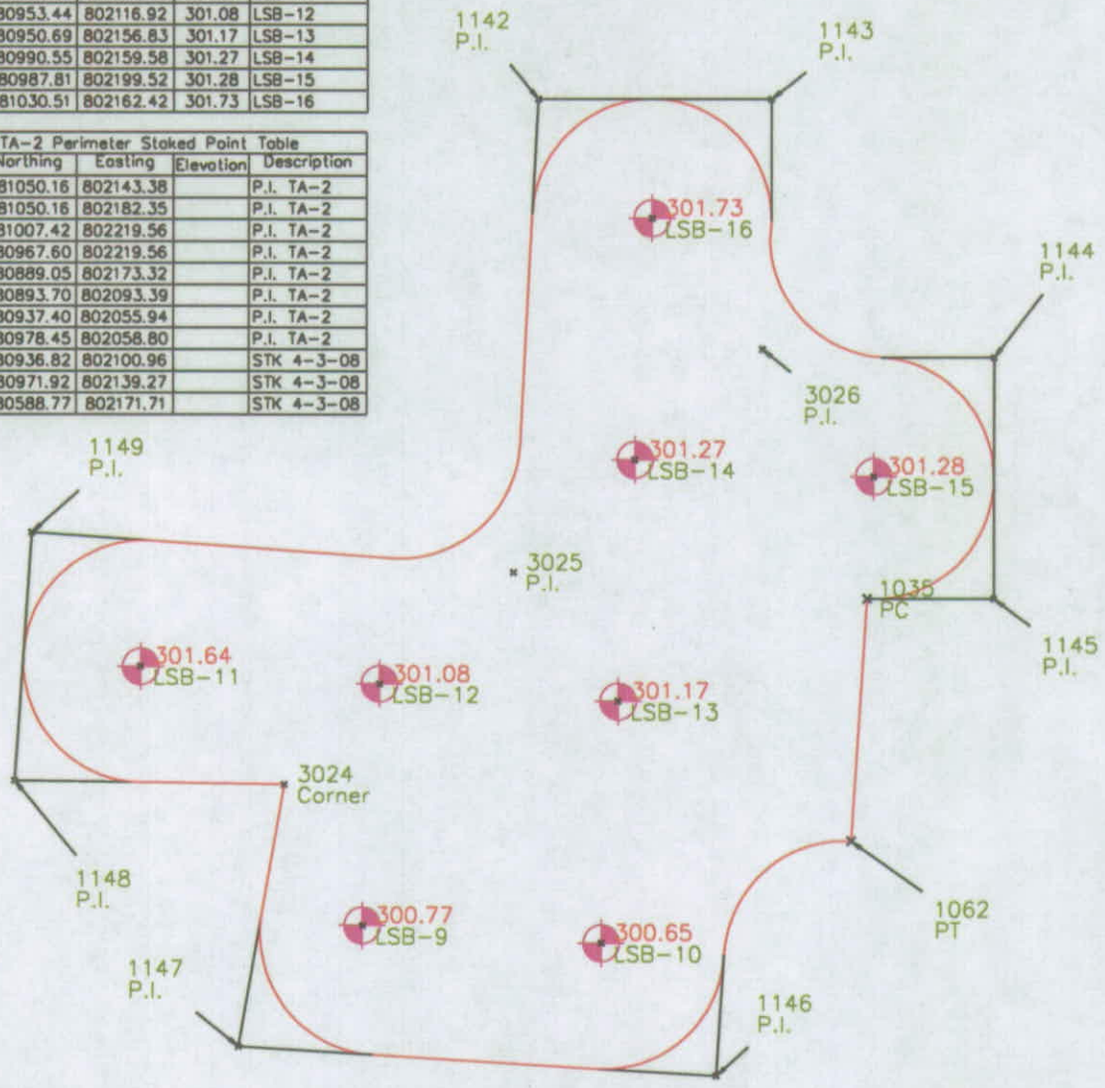
30 15 0 15

(IN FEET)
1 inch = 30 ft.

10001442

LSBs Staked Points 2-8-08				
Pt #	Northing	Easting	Elevation	Description
2008	280913.57	802114.12	300.77	LSB-9
2009	280910.80	802154.07	300.65	LSB-10
2010	280956.30	802076.96	301.64	LSB-11
2011	280953.44	802116.92	301.08	LSB-12
2012	280950.69	802156.83	301.17	LSB-13
2013	280990.55	802159.58	301.27	LSB-14
2014	280987.81	802199.52	301.28	LSB-15
2015	281030.51	802162.42	301.73	LSB-16

TA-2 Perimeter Staked Point Table				
Pt #	Northing	Easting	Elevation	Description
1142	281050.16	802143.38		P.I. TA-2
1143	281050.16	802182.35		P.I. TA-2
1144	281007.42	802219.56		P.I. TA-2
1145	280967.60	802219.56		P.I. TA-2
1146	280889.05	802173.32		P.I. TA-2
1147	280893.70	802093.39		P.I. TA-2
1148	280937.40	802055.94		P.I. TA-2
1149	280978.45	802058.80		P.I. TA-2
3024	280936.82	802100.96		STK 4-3-08
3025	280971.92	802139.27		STK 4-3-08
3028	280588.77	802171.71		STK 4-3-08



Site Location: Dunn Field at The Memphis Depot.

Elevations shown are dirt/grade on Feb 8, 2008.

Location coordinates of LSB's as staked were provided by the client.

Survey data by: Allen&Hoshall, Inc.
1661 International Drive, #100
Memphis, TN 38120
(901) 820-0820
Date of Survey: 11-28-07, 12-10-07 2-8-08, 4-3-08.
Proj #: 77172
Sheet 4 of 6

LSB Stakeout Data
Area: TA-2

JAMES B. CAUGHMAN III
REGISTERED LAND SURVEYOR
XVI
AGRICULTURE
COMMERCE
TENNESSEE No. 1818

Grid North, NAD27

GRAPHIC SCALE

30 15 0 15

(IN FEET)
1 inch = 30 ft.

10001443



LSBs Staked Points 2-8-08				
Pt #	Northing	Easting	Elevation	Description
2016	280588.77	802171.66	291.73	LSB-17
2017	280583.01	802219.18	294.50	LSB-18
2018	280580.68	802237.12	296.27	LSB-19
2019	280573.06	802302.12	302.40	LSB-20
2020	280570.65	802316.57	302.75	LSB-21

TA-3 Perimeter Staked Point Table				
Pt #	Northing	Easting	Elevation	Description
1150	280572.14	802148.42		P.I.
1151	280611.79	802153.73		P.I.
1152	280548.03	802327.80		P.I.
1153	280587.68	802333.10		P.I.

Site Location: Dunn Field at The Memphis Depot.

Elevations shown are dirt/grade on Feb 8, 2008.

Location coordinates of LSB's as staked were provided by the client.

Survey data by: Allen&Hoshall, Inc.
1661 International Drive, #100
Memphis, TN 38120
(901) 820-0820

Date of Survey: 11-28-07, 12-10-07 2-8-08, 4-3-08.

Proj #: 77172

Sheet 5 of 6

LSB Stakeout Data
Area: TA-3

JAMES B. CAUGHMAN III
REGISTERED LAND SURVEYOR
XVI
AGRICULTURE
COMMERCE
TENNESSEE No. 1818

Grid North, NAD27

GRAPHIC SCALE

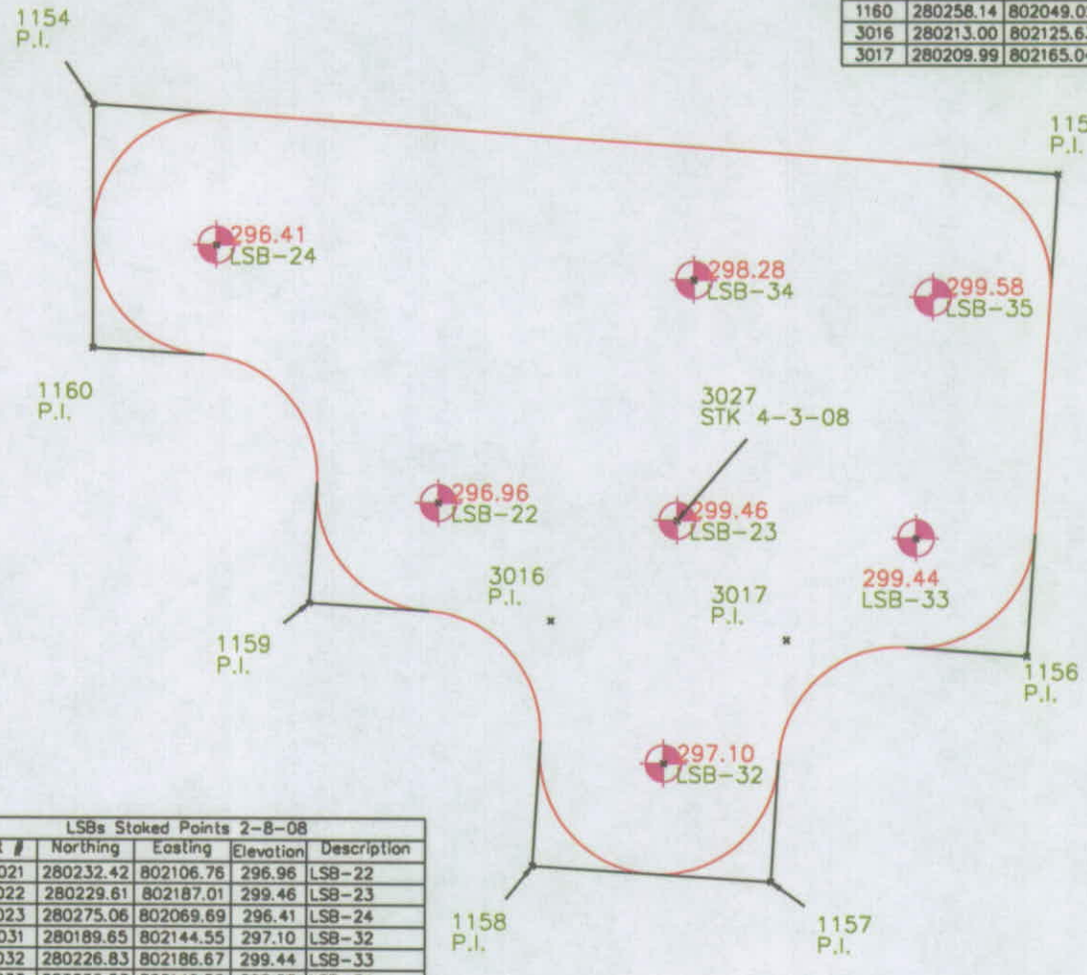
30 15 0 15

(IN FEET)

1 inch = 30 ft.

10001444

TA-4 Perimeter Staked Point Table				
Pt #	Northing	Easting	Elevation	Description
1154	280298.39	802049.02		P.I. TA-4
1155	280287.12	802210.27		P.I. TA-4
1156	280207.53	802205.23		P.I. TA-4
1157	280170.27	802162.54		P.I. TA-4
1158	280172.77	802122.62		P.I. TA-4
1159	280215.80	802085.25		P.I. TA-4
1160	280258.14	802049.02		P.I. TA-4
3016	280213.00	802125.63		P.I. TA-4
3017	280209.99	802165.04		P.I. TA-4



LSBs Staked Points 2-8-08				
Pt #	Northing	Easting	Elevation	Description
2021	280232.42	802106.76	296.96	LSB-22
2022	280229.61	802187.01	299.46	LSB-23
2023	280275.06	802069.69	296.41	LSB-24
2031	280189.65	802144.55	297.10	LSB-32
2032	280226.83	802186.67	299.44	LSB-33
2033	280269.53	802149.52	298.28	LSB-34
2034	280266.79	802189.37	299.58	LSB-35

Site Location: Dunn Field at The Memphis Depot.

Elevations shown are dirt/grade on Feb 8, 2008.

Location coordinates of LSB's as staked were provided by the client.

Survey data by: Allen&Hoshall, Inc.
1661 International Drive, #100
Memphis, TN 38120
(901) 820-0820

Date of Survey: 11-28-07, 12-10-07 2-8-08, 4-3-08.

Proj #: 77172

Sheet 6 of 6

LSB Stakeout Data
Area: TA-4

JAMES B. CAUGHMAN III
REGISTERED LAND SURVEYOR
AGRICULTURE
COMMERCE
TENNESSEE No. 1818

Grid North, NAD27

GRAPHIC SCALE

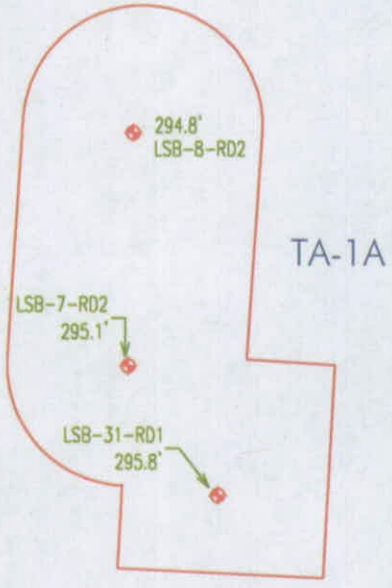
30 15 0 15

(IN FEET)

1 inch = 30 ft.

10001445

Point Table				
Point #	Northing	Easting	Elevation	Raw Description
1001	281615.52	802403.87	295.1	LSB-7-RD2
1002	281653.94	802404.69	294.8	LSB-8-RD2
1000	281594.17	802418.90	295.8	LSB-31-RD1



Site Location: Dunn Field at The Memphis Depot.

Elevations shown are dirt/grade on Nov 18, 2008.

Location coordinates of LSB's as staked were provided by the client.

Survey data by: Allen&Hoshall, Inc.
1661 International Drive, #100
Memphis, TN 38120
(901) 820-0820
Date of Survey: 11-18-08
Proj #: 77172
Sheet 1 of 6

LSB Stakeout Data

Areas: TA-1A

JAMES B. CAUGHMAN III
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TENNESSEE No. 1818

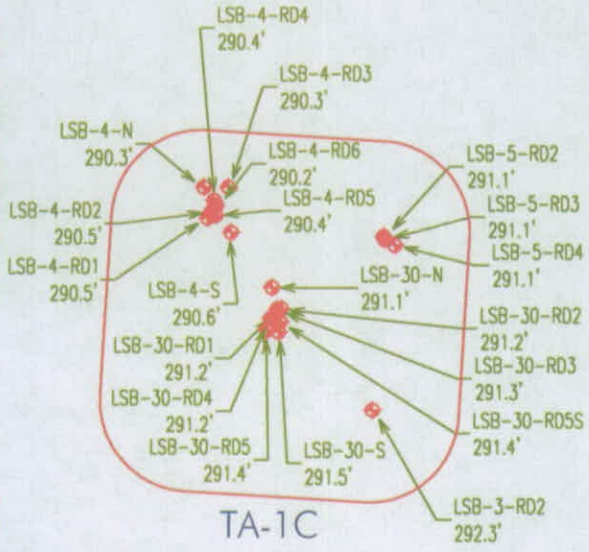
Grid North, NAD27

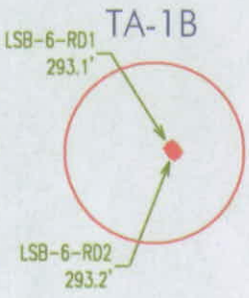
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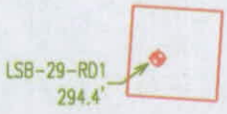
30 15 0 15

(IN FEET)
1 inch = 30 ft.

10001446







Point Table				
Point #	Northing	Easting	Elevation	Raw Description
1411	281616.16	802178.80	291.1	LSB-30-N
1008	281610.70	802180.21	291.2	LSB-30-RD1
1007	281611.48	802180.90	291.2	LSB-30-RD2
1406	281611.36	802179.96	291.3	LSB-30-RD3
1408	281609.27	802178.51	291.2	LSB-30-RD4
1407	281606.81	802177.78	291.4	LSB-30-RD5
1409	281608.66	802180.66	291.4	LSB-30-RD5S
1410	281606.41	802180.29	291.5	LSB-30-S

Point Table				
Point #	Northing	Easting	Elevation	Raw Description
1006	281589.14	802201.27	292.3	LSB-3-RD2
1404	281638.43	802163.60	290.3	LSB-4-N
1009	281631.56	802164.43	290.5	LSB-4-RD1
1010	281632.92	802165.27	290.5	LSB-4-RD2
1400	281638.41	802169.06	290.3	LSB-4-RD3
1401	281635.49	802165.84	290.4	LSB-4-RD4
1402	281632.13	802166.23	290.4	LSB-4-RD5
1403	281634.30	802166.37	290.2	LSB-4-RD6
1405	281628.33	802169.66	290.6	LSB-4-S
1005	281627.40	802203.72	291.1	LSB-5-RD2
1412	281626.72	802204.04	291.1	LSB-5-RD3
1413	281625.51	802206.22	291.1	LSB-5-RD4
1004	281624.10	802287.41	293.1	LSB-6-RD1
1003	281623.25	802287.94	293.2	LSB-6-RD2
1011	281517.52	802183.57	294.4	LSB-29-RD1

Site Location: Dunn Field at The Memphis Depot.

Elevations shown are dirt/grade on Sept. 25, 2008 and Nov. 18, 2008.

Location coordinates of LSB's as staked were provided by the client.

Survey data by: Allen&Hoshall, Inc.
1661 International Drive, #100
Memphis, TN 38120
(901) 820-0820

Date of Survey: 9-25-08 and 11-18-08.

Proj #: 77172

Sheet 2 of 6

LSB Stakeout Data

Areas: TA-1B, TA-1C & TA-1D

JAMES B. CAUGHMAN III
REGISTERED LAND SURVEYOR
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COMMERCE
TENNESSEE No. 1818

Grid North, NAD27

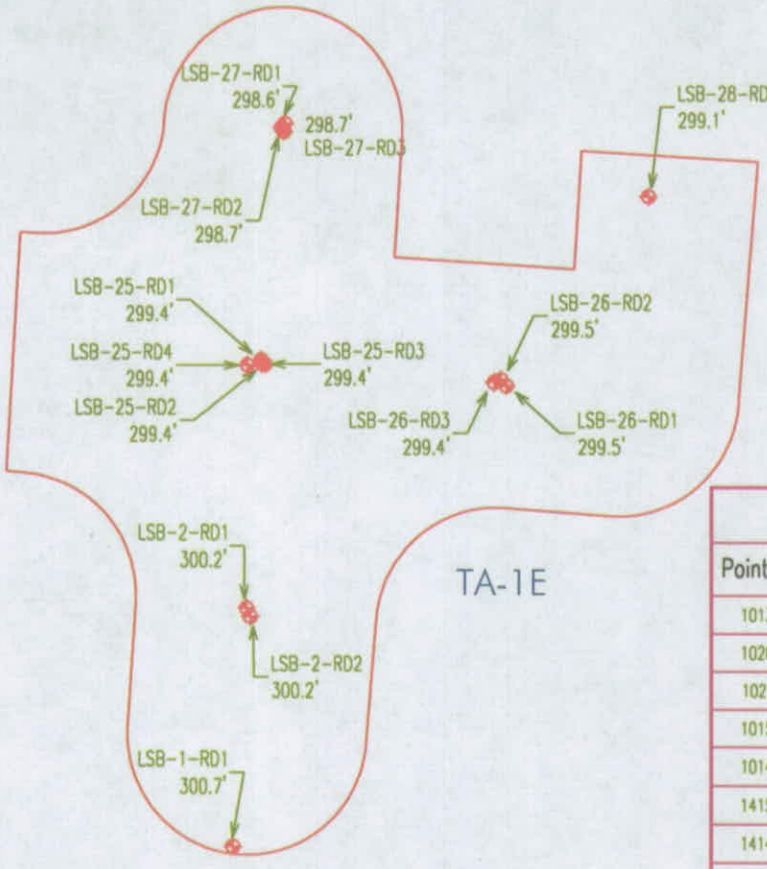
GRAPHIC SCALE

40 20 0 20

(IN FEET)

1 inch = 40 ft.

10001447



Point Table				
Point #	Northing	Easting	Elevation	Raw Description
1013	281315.47	802101.80	300.7	LSB-1-RD1
1020	281354.98	802104.08	300.2	LSB-2-RD1
1021	281353.57	802104.68	300.2	LSB-2-RD2
1015	281395.89	802106.47	299.4	LSB-25-RD1
1014	281395.16	802107.14	299.4	LSB-25-RD2
1415	281395.23	802106.62	299.4	LSB-25-RD3
1414	281395.05	802104.19	299.4	LSB-25-RD4
1018	281391.71	802147.47	299.5	LSB-26-RD1
1019	281392.66	802146.59	299.5	LSB-26-RD2
1416	281392.26	802145.46	299.4	LSB-26-RD3
1017	281435.10	802110.43	298.6	LSB-27-RD1
1016	281434.37	802109.84	298.7	LSB-27-RD2
1417	281433.69	802110.25	298.7	LSB-27-RD3
1012	281422.93	802171.20	299.1	LSB-28-RD1

Site Location: Dunn Field at The Memphis Depot.

Elevations shown are dirt/grade on Sept. 25, 2008 and Nov. 18, 2008.

Location coordinates of LSB's as staked were provided by the client.

Survey data by: Allen&Hoshall, Inc.
1661 International Drive, #100
Memphis, TN 38120
(901) 820-0820

Date of Survey: 9-25-08 and 11-18-08.

Proj #: 77172

Sheet 3 of 6

LSB Stakeout Data

Area: TA-1E

JAMES B. CAUGHMAN III
REGISTERED LAND SURVEYOR
XVI
AGRICULTURE
COMMERCE
TENNESSEE No. 1818

Grid North, NAD27

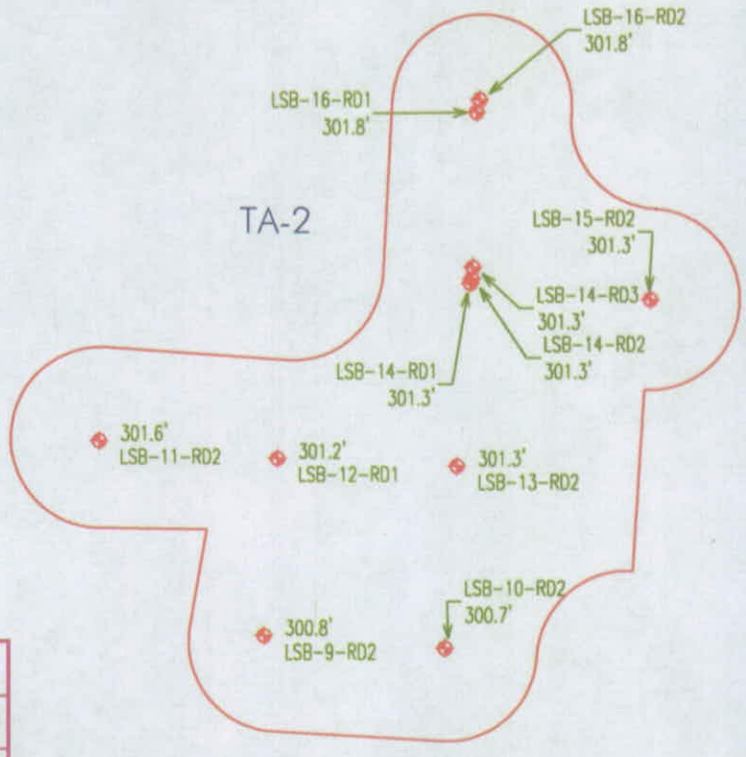
GRAPHIC SCALE

30 15 0 15

(IN FEET)

1 inch = 30 ft.

10001448



Point Table				
Point #	Northing	Easting	Elevation	Raw Description
1029	280913.49	802113.82	300.8	LSB-9-RD2
1028	280910.73	802154.14	300.7	LSB-10-RD2
1031	280956.43	802077.04	301.6	LSB-11-RD2
1030	280952.45	802116.80	301.2	LSB-12-RD1
1027	280950.71	802156.83	301.3	LSB-13-RD2
1026	280991.04	802159.82	301.3	LSB-14-RD1
1025	280992.08	802160.16	301.3	LSB-14-RD2
1418	280994.60	802160.38	301.3	LSB-14-RD3
1022	280987.43	802199.74	301.3	LSB-15-RD2
1024	281028.87	802161.17	301.8	LSB-16-RD1
1023	281031.54	802161.88	301.8	LSB-16-RD2

Site Location: Dunn Field at The Memphis Depot.

Elevations shown are dirt/grade on Sept. 25, 2008 and Nov. 18, 2008.

Location coordinates of LSB's as staked were provided by the client.

Survey data by: Allen&Hoshall, Inc.
1661 International Drive, #100
Memphis, TN 38120
(901) 820-0820

Date of Survey: 9-25-08 and 11-18-08.

Proj #: 77172

Sheet 4 of 6

LSB Stakeout Data

Area: TA-2

JAMES B. CAUGHMAN III
REGISTERED LAND SURVEYOR
XVI
AGRICULTURE
COMMERCE
TENNESSEE No. 1818

Grid North, NAD27

GRAPHIC SCALE

40 20 0 20

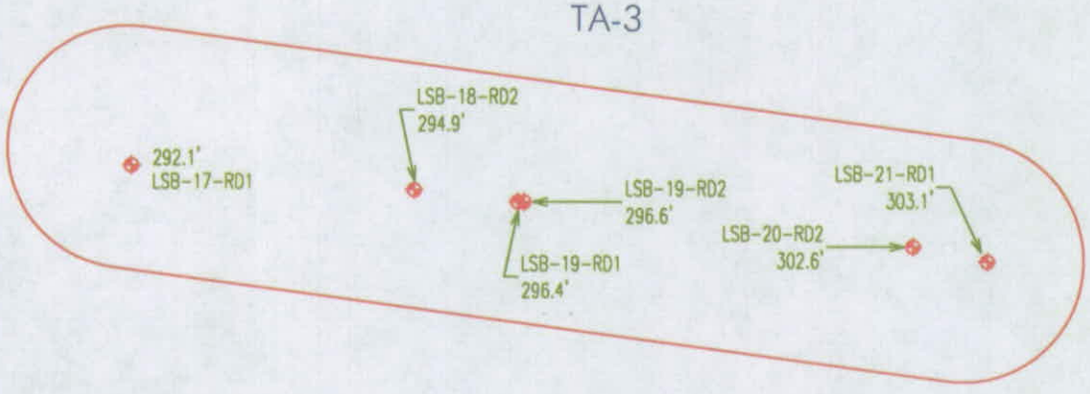
(IN FEET)

1 inch = 40 ft.

10001449

Point Table				
Point #	Northing	Easting	Elevation	Raw Description
1041	280586.22	802171.55	292.1	LSB-17-RD1
1042	280582.18	802218.81	294.9	LSB-18-RD2
1044	280580.24	802236.16	296.4	LSB-19-RD1
1043	280580.23	802237.16	296.6	LSB-19-RD2
1045	280572.84	802302.16	302.6	LSB-20-RD2
1046	280570.41	802314.60	303.1	LSB-21-RD1

TA-3



Site Location: Dunn Field at The Memphis Depot.

Elevations shown are dirt/grade on Sept. 25, 2008.

Location coordinates of LSB's as staked were provided by the client.

Survey data by: Allen&Hoshall, Inc.
1661 International Drive, #100
Memphis, TN 38120
(901) 820-0820
Date of Survey: 9-25-08.
Proj #: 77172
Sheet 5 of 6

LSB Stakeout Data
Area: TA-3

JAMES B. CAUGHMAN III
REGISTERED LAND SURVEYOR
XVI
AGRICULTURE
COMMERCE
TENNESSEE No. 1818

Grid North, NAD27

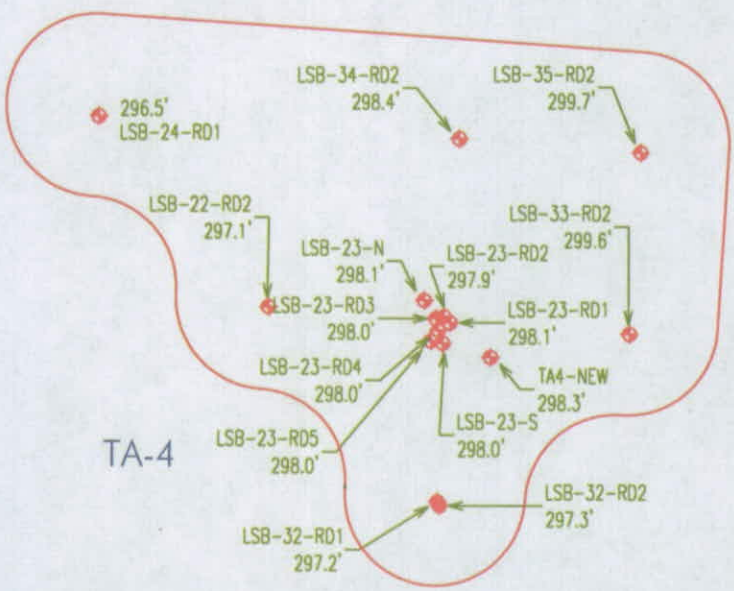
GRAPHIC SCALE

30 15 0 15

(IN FEET)
1 inch = 30 ft.

10001450

Point Table				
Point #	Northing	Easting	Elevation	Raw Description
1035	280232.60	802106.94	297.1	LSB-22-RD2
1423	280234.04	802141.48	298.1	LSB-23-N
1037	280229.09	802147.15	298.1	LSB-23-RD1
1036	280230.47	802145.86	297.9	LSB-23-RD2
1422	280230.03	802144.06	298.0	LSB-23-RD3
1421	280227.38	802144.56	298.0	LSB-23-RD4
1420	280225.10	802142.89	298.0	LSB-23-RD5
1419	280224.59	802145.56	298.0	LSB-23-S
1034	280274.50	802069.46	296.5	LSB-24-RD1
1039	280189.91	802144.38	297.2	LSB-32-RD1
1038	280189.06	802144.85	297.3	LSB-32-RD2
1040	280226.63	802186.98	299.6	LSB-33-RD2
1033	280269.53	802149.26	298.4	LSB-34-RD2
1032	280266.55	802189.48	299.7	LSB-35-RD2
1424	280221.50	802156.14	298.3	TA4-NEW



Site Location: Dunn Field at The Memphis Depot.

Elevations shown are dirt/grade on Sept. 25, 2008 and Nov. 18, 2008.

Location coordinates of LSB's as staked were provided by the client.

Survey data by: Allen&Hoshall, Inc.
1661 International Drive, #100
Memphis, TN 38120
(901) 820-0820

Date of Survey: 9-25-08 and 11-18-08.

Proj #: 77172

Sheet 6 of 6

LSB Stakeout Data

Area: TA-4

JAMES B. CAUGHMAN III
REGISTERED LAND SURVEYOR
XVI
AGRICULTURE
COMMERCE
TENNESSEE No. 1818

Grid North, NAD27

GRAPHIC SCALE

40 20 0 20

(IN FEET)

1 inch = 40 ft.

10061451

APPENDIX H

GEOPHYSICAL SURVEY FOR UTILITY CLEARANCE

FPM

Geophysical & UXO Services
Division of FPM Group, Ltd.

231 Broadway, Jackson Square
Oak Ridge, Tennessee 37830, USA
Tel: 865-483-0199
Fax: 865-483-3981
www.fpm-geo.com

December 17, 2007 Project No.: 884-07-03

Mr. Kevin Sedlak, MS, PG
engineering-environmental Management, Inc. (e^2M)
184 Creekside Park
Spring Branch, TX 78070

Re: Geophysical Survey Report – Dunn Field Source Area
Memphis Defense Depot, Tennessee

Dear Mr. Sedlak:

In this letter report, we discuss the results of the surface geophysical survey conducted by FPM Geophysical & UXO Services (FPM) at the Dunn Field Source Area (DFSA), Memphis Defense Depot, Tennessee on November 12-16th, 2007. The scope of the project and area of interest were specified by e^2M.

1.0 Introduction

The purpose of the surface geophysical survey was to locate underground utility lines across the DFSA. FPM investigated the site using a Geonics EM61-MK2 metal detector, a Geonics EM31-MK2 Ground Conductivity Meter, a Radio Detection RD400 Pipe and Cable Locator, and a GSSI TerraSearch SIR System-3000 Ground Penetrating Radar (GPR). Positional control was provided by a Trimble Pathfinder Pro-XRS differential global positioning system (DGPS).

The site is typified by flat to gently rolling topography. Ground cover included grass, bare ground and pavement. A previous investigation by FPM in October 2007 identified a drum cache that was in the process of being excavated while the utility survey was conducted. The drum excavation was mostly off limits to foot traffic as were several other areas at the site. These areas were delineated with DGPS at the time of the survey.

2.0 Survey Equipment, Quality Control and Field Procedures

2.1 Field Equipment

2.1.1 EM61-MK2 Time-Domain Electromagnetic Metal Detector

The Geonics EM61-MK2 time-domain electromagnetic system generates a pulsed primary magnetic field that induces "secondary" eddy currents in the ground and in nearby metal objects. The receiver is timed to measure the induced secondary magnetic field in four time gates after the primary field generated within the ground has dissipated (i.e., measured response is caused only by currents induced in metal objects).

The EM61 consists of a pair of 1.0- x 0.5-meter coils that were configured in the wheel or "cart" mode (the EM61 can also be carried using a shoulder harness for rough terrain). The lower coil, which is both a transmitter and receiver, is located 17.5 inches above the ground surface. The upper coil, which is strictly a receiver coil, is 12.5 inches above the lower coil. The nominal sampling width of the EM61-MK2 is 1.0 meter. EM data were recorded on a Juniper Systems Allegro field computer.

2.1.2 EM31 Frequency-Domain Terrain Conductivity Meter

The EM31 operates by applying an alternating 9.8 kiloHertz (kHz) current to a transmitter coil which causes the coil to radiate a primary EM field. As with the EM61, this time varying magnetic field generates eddy currents in conductive subsurface materials. These eddy currents have an associated secondary magnetic field with a strength and phase shift (relative to the primary field) that are dependent on the conductivity of the medium. The combined effect of the primary and secondary fields is measured by the receiver coil in phase (in-phase) and 90 degrees out of phase (quadrature) with the primary field. Most geologic materials are poor conductors. Current flow through geologic materials takes place primarily in the pore fluids; as such, conductivity is predominantly a function of soil type, porosity, permeability, pore fluid ion content, and degree of saturation. The EM31 is calibrated so that the out of phase component is converted to electrical conductivity in units of millisiemens per meter (mS/m), and the in phase component is converted to parts per thousand (ppt) of the secondary field to the primary EM field. The in-phase component is a relative value that is generally set to zero over background materials at each site.

The EM31 system consists of a 12 foot long boom with a transmitter coil mounted at one end and a receiver coil at the other. The instrument is carried at hip height and supported by a shoulder harness. EM data were recorded on a Juniper Systems Allegro field computer. EM31 data were collected in the vertical dipole orientation which provides information on subsurface conditions to a maximum depth of approximately 18 feet (1.5 times the Tx/Rx coil separation), and the peak instrument response in this orientation occurs at 0.4 times the coil separation, or from materials at approximately 5 feet in depth.

2.1.3 GSSI TerraSearch SIR System-3000 GPR (SIR 3000)

The GPR system operates by introducing a short radar pulse into the ground. For this project, a 400-MHz antenna was used. Propagation of the radar pulse is controlled by the dielectric constant (relative permittivity) and electrical conductivity of the materials being investigated. A contrast in the dielectric constant and/or electrical conductivity causes some of the radar energy to be reflected back to the receiver. Reflected radar energy is amplified, digitized and recorded on the SIR 3000's hard drive.

2.1.4 Radio Detection RD400 Pipe and Cable Locator

The RD400 utilizes inductive coupling to detect (audio and visual confirmation) signals that are actively transmitted with the associated transmitter or 60 Hz (passive mode) currents that flow in energized lines. The RD400 was used to perform a "passive" sweep for live electric lines.

2.1.5 DGPS

The Trimble Pathfinder Pro-XRS DGPS provides sub-meter accuracy and operates on a single frequency that utilizes a carrier phase measurement technique. The system is also equipped with multi-path rejection technology. This technology is favorable in open, as well as lightly wooded and congested areas where GPS signals are affected by multi-path reflection. Real-time differential corrections were obtained via Omnistar's (a subscription service) Virtual Base Station (VBS) service.

All geophysical survey data (EM61, EM31, and GPR) were coupled to the GPS to provide real-time positional control. The positional data were acquired by linking the GPS rover to the EM61 and EM31 data loggers and via an Acumen™ SDR data bridge to the SIR-3000. An RS232 data cable served as the communication bridge between the GPS rover and the respective data logger. Positional data were sampled and recorded at a rate of 1 sample per second (1 Hz). The GPS rover was configured to output a National Marine Electronics Association (NMEA) data string utilizing the Global Positioning System Fixed Data (GGA) format to the respective geophysical data logger.

2.2 Quality Control

Prior to conducting the geophysical survey, FPM occupied a land survey control point provided by e^2M to verify the DGPS data positioning was accurate. The coordinate system used at the DFSA is TN State Plane (U.S. survey feet) with a NAD27 geodetic reference system. The survey data collected at the control point was within 1 foot of the published coordinates for that point and determined to be acceptable for this type of investigation.

The EM61 and EM31 were allowed to warm-up for no less than 15 minutes. Both instruments were monitored after the warm-up period to ensure that the electronics had

stabilized, and that data spikes were not present in the data. Manufacturer guidelines were observed during setup and pre-survey functional checks to make sure the equipment was performing within expected tolerances. The SIR-3000 does not require a warm-up period; however, the system was evaluated at several different locations at the site to determine optimal system parameters. The acquisition software for each system provides telemetry that indicates whether or not positional data is available and of sufficient quality to provide sub-meter accuracy. Positional signal status was verified prior to and during the survey for each geophysical system.

2.3 Field Procedures

Prior to mobilization, a GIS map showing the proposed transect locations was reviewed and approved by e^2M. The transect map was subsequently uploaded to an Allegro field computer operating independently from the Allegro field computers dedicated to geophysical data acquisition. This configuration allowed the equipment operator to navigate preselected transects without the need to physically stake, paint or otherwise mark the survey area. An additional benefit to this navigation technique is the ability to independently log transect paths to provide an additional layer of quality control (second positional data set not directly associated with geophysical data).

Inaccessible portions of the site were surveyed with the DGPS, and these areas have been identified as such on the data and interpretation figures. Every attempt was made to avoid potential transient EM anomaly sources (vehicles); however, due to site activity, this was not 100 percent successful. Where feasible, vehicles (heavy equipment and automobiles) that were present during the survey were surveyed so their position relative to geophysical anomalies could be known.

3.0 Geophysical Survey Results and Recommendations

3.1 Data Analysis

Utilities that were identified with the RD400 utility locator (electric lines), GPR or were visible or otherwise identifiable by surface expression (as with the SVE lines) were located with the DGPS at the time of the survey.

3.1.1 EM61

EM61 data from Channels 1, 2 and 3 were evaluated and it was determined that the signal to noise ratio (SNR) was superior in the Channel 3 data. The data were analyzed using the OASIS Montaj® geophysical mapping system from Geosoft, Inc. Due to the very large range of data observed at the site, 3 different data scales are shown.

EM61 anomalies originating from subsurface utilities are often subtle and relatively small in amplitude. A 20mV amplitude scale (**Figure 1**) was used in order to evaluate the data for anomalies originating from subsurface utilities. Given the large range and overall

high response (typically indicative of sites contaminated with metal) observed in the data, this amplitude scale range was of little benefit in utility identification but is presented here to demonstrate the high response/variability observed at the site.

Figure 2 utilizes an amplitude scale ranging from 0 to 300mV. At this scale concrete storm sewers (light green) are generally detectible, although many of the smaller anomalies are not evident. The amplitude scale utilized for **Figure 3** (-170 to 290mV) was obtained by determining the mean data value across the site and adding and subtracting one standard deviation to it. At this scale the larger anomalies originating from concrete pipes as well as some of the more subtle anomalies are visible.

3.1.2 EM31

EM31 data were analyzed for conductivity and in-phase component, respectively. The data were analyzed using the OASIS Montaj® geophysical mapping system from Geosoft, Inc.

Figure 4 shows the conductivity data for the DFSA. Conductivity is primarily related to geologic conditions, and is presented here in order to evaluate trends across the site. Areas of highly conductive soil or areas potentially containing significant amounts of buried metal are typified by an elevated conductivity response (red to pink areas).

Figure 5 presents the in-phase data. The in-phase component data is generally very useful for identifying locations of subsurface utilities. Most of the electrical and storm sewers are identifiable in the in-phase component data. Near-surface metallic sources are generally interpreted by negative values. **Figure 5** also shows several polygons interpreted to represent potential areas of buried metal. The interpretations regarding each polygon are presented in **Section 3.2**.

3.1.3 GPR

GPR profiles were analyzed using RADAN 6.5 (GSSI, Inc.). Positional information was evaluated using the 3-D capabilities of RADAN, and targets were manually picked and subsequently exported to text files that were imported into ArcView. In most cases, the GPR data was used to verify and/or refine utility locations (as was the case for several electric lines) or in some cases to detect utilities that were not observed with other methods (plastic water lines).

3.2 Conclusions and Recommendations

Figure 6 shows all utilities that were identified based on field observations and integrated data analysis. Utilities have been identified when known and are color coded to reflect so. The generally high amplitude response generated by the EM61 across the site limited

the value of the EM61 for detecting utilities. The EM31 was most effective for locating electrical lines and storm sewers.

In addition to utilities, e^2M has indicated an interest in locating anomalies that may potentially represent buried metal. **Figures 5 and 6** show areas that may potentially represent relatively significant amounts of buried metal. A total of eleven polygons (labeled **A through K**) were interpreted to represent potentially significant metallic source objects. Anomalous areas **A through E** are located in the southern portion of the site and are characteristically limited in aerial extent. Anomalous areas **A through E** yielded anomalous responses in both the EM31 and EM61 data.

Anomalous area **G** is centered over a known storm sewer; however, the extent of the anomaly suggests that additional metallic source objects may be present in the subsurface in this area. Due to the known utility in this location, caution is recommended for any future intrusive investigation.

Anomalous area **F** is approximately 100 feet north of area **G**. The response is more continuous in the EM31 data than it is in the EM61 data in this area. Evidence of a utility in area **F** was not observed in the other data sets, although the significant EM31 response in this area may potentially represent a subsurface storm sewer or similar utility. A utility was not interpreted in this area although future intrusive investigations should proceed with caution as there is the potential for a utility to exist in this area.

Anomalous area **H** is located on a hillside along the northwest boundary fence at the site. Significant response from the fence is evident in the EM31 data, but the extent of the anomaly suggests there may be a subsurface metallic source contributing to the elevated response in this area.

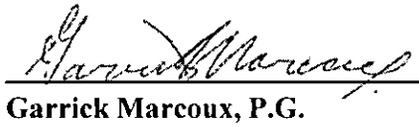
Anomalous areas **I through K** are located in the northern portion of the site as shown on **Figures 5 and 6.** A known storm sewer and associated manhole occupy this area; however, the extent and amplitude of both the EM61 and the EM31 data in this area suggest additional metallic source objects may be present in the area. Any intrusive investigations should proceed with caution in the presence of the known utility.

Numerous small anomalies (most noticeable in the EM61 data) may be observed throughout the site. No attempt was made to characterize or describe these objects as this was beyond the scope of the project. In order to characterize anomalies of limited extent, additional geophysical data (100% coverage) would be required in the areas of interest.

Every attempt was made to locate all utilities at the site; however, no guarantee that all utilities were located can be provided. No inferences can be made regarding inaccessible areas or areas that were very near surface metal objects.

4.0 Certification

All geophysical data analysis, interpretations, conclusions, and recommendations in this document have been prepared under the supervision of and reviewed by FPM Geophysical & UXO Services senior geophysicists.



17 December 2007

Garrick Marcoux, P.G. **Date**
Senior Geophysicist, FPM Geophysical & UXO Services
Oak Ridge, Tennessee

* This geophysical investigation was conducted using sound scientific principles and state-of-the-art technology. A high degree of professionalism was maintained during all aspects of the project from the field investigation and data acquisition, through data processing, interpretation, and preparation of the deliverable. All original field data files, field notes and observations, and other pertinent information are maintained in the project files and are available for the client to review.

A geophysicist's certification of interpreted geophysical conditions comprises a declaration of his/her professional judgment. It does not constitute a warranty or guarantee, expressed or implied, nor does it relieve any other party of its responsibility to abide by contract documents, applicable codes, standards, regulations, or ordinances.

10001459



Legend

- Well
- Interpreted Utility Location

Utilities Identified on Site

- Storm Drain
- SVE
- Underground Electric Line
- Unidentified Utility
- Underground Water Line

Features Mapped on Site

- Dirt Pile
- Excavation
- Heavy veg/rocks
- Roll-off
- SVE
- Vehicle/Tank
- Catch Basin
- Electrical Box
- Electrical Vault
- Manhole
- SD Outfall

19.5
19.0
18.5
17.9
17.4
16.9
16.4
15.9
15.4
14.9
14.4
13.8
13.3
12.8
12.3
11.8
11.3
10.8
10.3
9.7
9.2
8.7
8.2
7.7
7.2
6.7
6.2
5.6
5.1
4.6
4.1
3.6
3.1
2.6
2.1
1.5
1.0
0.5

EM61 Channel 3
mV

Projection	TN State Plane
Horizontal Datum	NAD27
Units	US Survey Feet
Scale	1:1,920
Photo Date	Unknown

1 inch equals 160 feet

0 160 320 480 640 Feet

FPM
Geophysical & UXO Services

Dunn Field Utility Survey
Prepared for: e²M Inc.

EM61 Survey Data
Channel 3
(0mV - 20mV)

FIGURE 1

Date: November 2007

10001460



Legend

- Well
- Interpreted Utility Location

Utilities Identified on Site

- Storm Drain
- SVE
- Underground Electric Line
- Unidentified Utility
- Underground Water Line

Features Mapped on Site

- Dirt Pile
- Excavation
- Heavy veg/rocks
- Roll-off
- SVE
- Vehicle/Tank
- Catch Basin
- Electrical Box
- Electrical Vault
- Manhole
- SD Outfall

292.3
284.6
276.9
269.2
261.5
253.8
246.2
238.5
230.8
223.1
215.4
207.7
200.0
192.3
184.6
176.9
169.2
161.5
153.8
146.2
138.5
130.8
123.1
115.4
107.7
100.0
92.3
84.6
76.9
69.2
61.5
53.8
46.2
38.5
30.8
23.1
15.4
7.7

EM61 Channel 3
mV

Projection	TN State Plane
Horizontal Datum	NAD27
Units	US Survey Feet
Scale	1:1,920
Photo Date	Unknown

1 inch equals 160 feet

0 160 320 480 640 Feet

Dunn Field Utility Survey
Prepared for: e²M Inc.

EM61 Survey Data
Channel 3
(0mV - 300mV)

FIGURE 2

Date: November 2007

FPM
Geophysical & UXO Services

10001461



Legend

- Well
- Interpreted Utility Location

Utilities Identified on Site

- Storm Drain
- SVE
- Underground Electric Line
- Unidentified Utility
- Underground Water Line

Features Mapped on Site

- Dirt Pile
- Excavation
- Heavy veg/rocks
- Roll-off
- SVE
- Vehicle/Tank
- Catch Basin
- Electrical Box
- Electrical Vault
- Manhole
- SD Outfall

278.2
266.4
254.6
242.8
231.0
219.2
207.4
195.6
183.8
172.1
160.3
148.5
136.7
124.9
113.1
101.3
89.5
77.7
65.9
54.1
42.3
30.5
18.7
6.9
-4.9
-16.7
-28.5
-40.3
-52.1
-63.8
-75.6
-87.4
-99.2
-111.0
-122.8
-134.6
-146.4
-158.2

EM61 Channel 3
mV

Projection	TN State Plane
Horizontal Datum	NAD27
Units	US Survey Feet
Scale	1:1,920
Photo Date	Unknown

1 inch equals 160 feet

0 160 320 480 640 Feet

Dunn Field Utility Survey
Prepared for: e²M Inc.

EM61 Survey Data
Channel 3
(-170mV - 290mV)

FIGURE 3

Date: November 2007

FPM
Geophysical & UXO Services

10001462



Legend

- Well
- Interpreted Utility Location

Utilities Identified on Site

- Storm Drain
- SVE
- Underground Electric Line
- Unidentified Utility
- Underground Water Line

Features Mapped on Site

- Dirt Pile
- Excavation
- Heavy veg/rocks
- Roll-off
- SVE
- Vehicle/Tank
- Catch Basin
- Electrical Box
- Electrical Vault
- Manhole
- SD Outfall

58.5
56.9
55.4
53.8
52.3
50.8
49.2
47.7
46.2
44.6
43.1
41.5
40.0
38.5
36.9
35.4
33.8
32.3
30.8
29.2
27.7
26.2
24.6
23.1
21.5
20.0
18.5
16.9
15.4
13.8
12.3
10.8
9.2
7.7
6.2
4.6
3.1
1.5

EM31 Conductivity
mS/m

Projection	TN State Plane
Horizontal Datum	NAD27
Units	US Survey Feet
Scale	1:1,920
Photo Date	Unknown

1 inch equals 160 feet

0 160 320 480 640 Feet

Dunn Field Utility Survey
Prepared for: e²M Inc.

EM31 Survey Data
Conductivity
(0 mS/m - 60 mS/m)

FIGURE 4

Date: November 2007

FPM
Geophysical & UXO Services

10001463



Legend

- Well
- Interpreted Utility Location
- Interpreted Location of Buried Metal

Utilities Identified on Site

- Storm Drain
- SVE
- Underground Electric Line
- Unidentified Utility
- Underground Water Line

Features Mapped on Site

- Dirt Pile
- Excavation
- Heavy veg/rocks
- Roll-off
- SVE
- Vehicle/Tank
- Catch Basin
- Electrical Box
- Electrical Vault
- Manhole
- SD Outfall

9.6
9.2
8.8
8.5
8.1
7.7
7.3
6.9
6.5
6.2
5.8
5.4
5.0
4.6
4.2
3.8
3.5
3.1
2.7
2.3
1.9
1.5
1.2
0.8
0.4
0.0
-0.4
-0.8
-1.2
-1.5
-1.9
-2.3
-2.7
-3.1
-3.5
-3.8
-4.2
-4.6

EM31 In-Phase
ppt

Projection	TN State Plane
Horizontal Datum	NAD27
Units	US Survey Feet
Scale	1:1,920
Photo Date	Unknown

1 inch equals 160 feet

0 160 320 480 640 Feet

Dunn Field Utility Survey
Prepared for: e²M Inc.

EM31 Survey Data
In-phase Component
(-5 ppt - 10 ppt)

FIGURE 5

Date: November 2007

FPM
Geophysical & UXO Services



Legend

- Interpreted Utility Location
- Interpreted Location of Buried Metal

Utilities Identified on Site

- Storm Drain
- SVE
- Underground Electric Line
- Unidentified Utility
- Underground Water Line

Features Mapped on Site

- Dirt Pile
- Excavation
- Heavy veg/rocks
- Roll-off
- SVE
- Vehicle/Tank
- Catch Basin
- Electrical Box
- Electrical Vault
- Manhole
- SD Outfall

Projection	**TN State Plane**
Horizontal Datum	**NAD27**
Units	**US Survey Feet**
Scale	**1:1,920**
Photo Date	**Unknown**

1 inch equals 160 feet

0 160 320 480 640 Feet

FPM Geophysical & UXO Services

Dunn Field Utility Survey
Prepared for: e²M Inc.

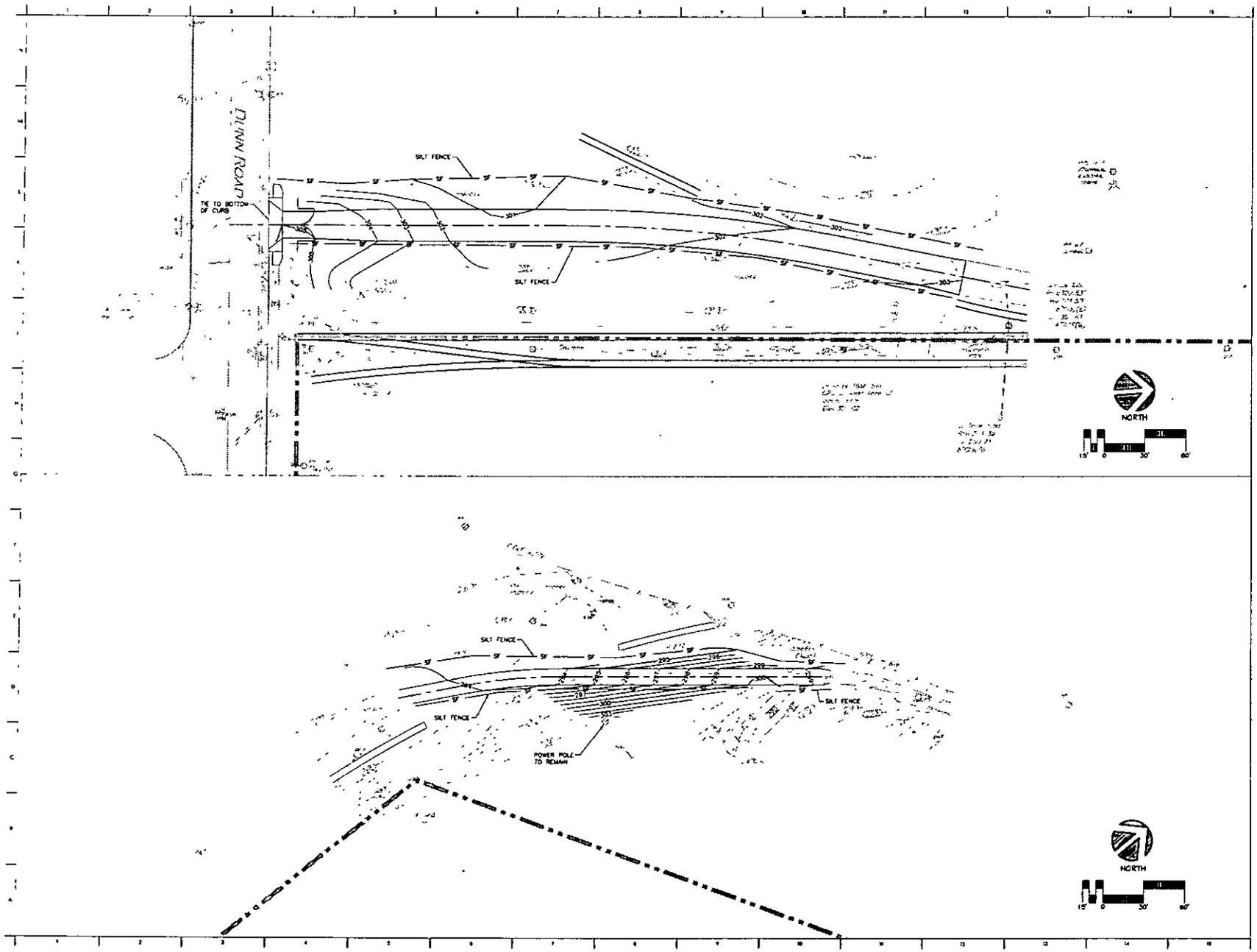
Interpretation Map

FIGURE 6

Date: November 2007

APPENDIX I

ACCESS ROAD DESIGN DRAWINGS



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MEMPHIS DEPOT
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MEMPHIS, TN

o2M

SPRING BRANCH, TX 78070

No.	Revision	Date

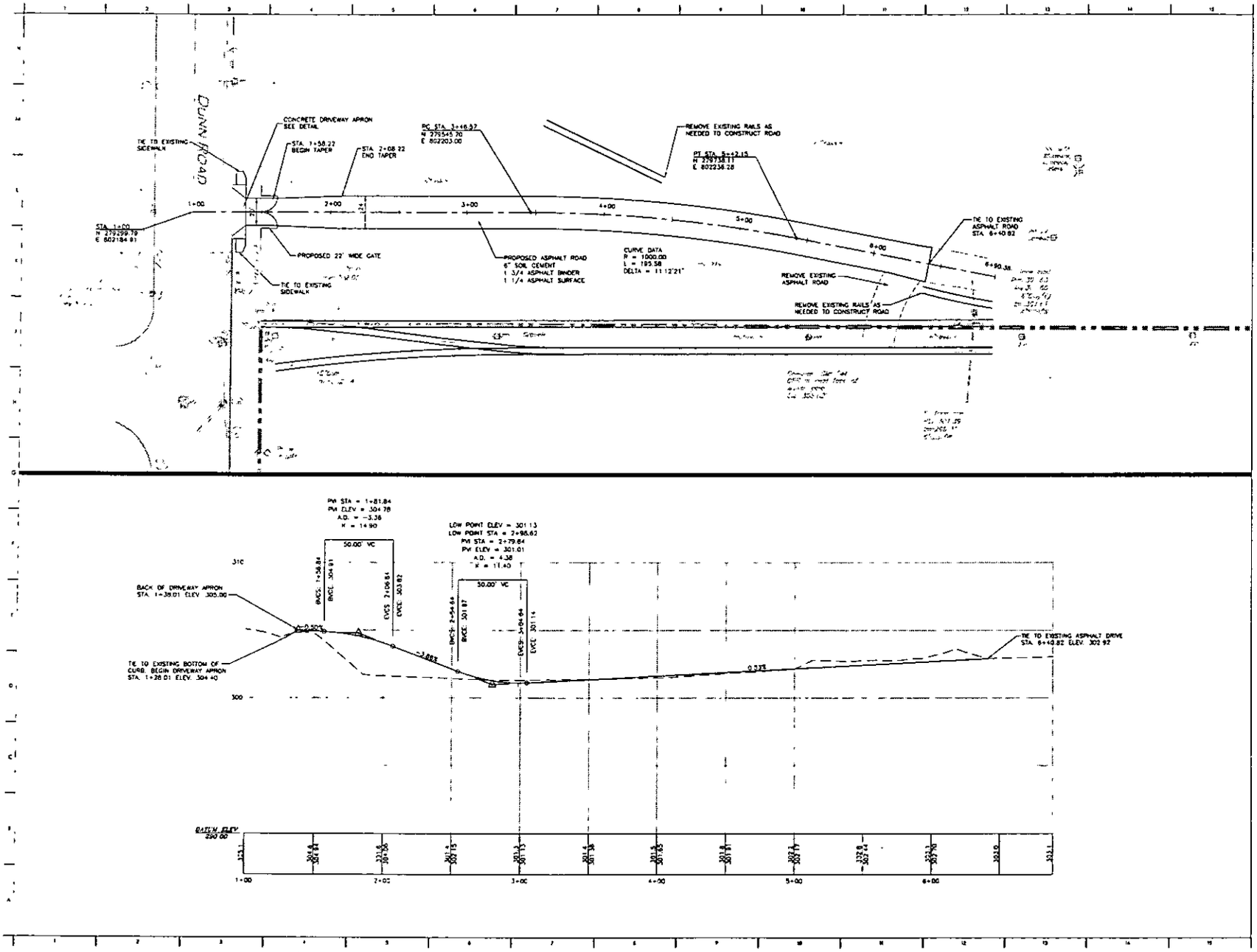
J UDG IQJ JDQG
HUR VIR Q 4P R QMUR CHEDQ

JOB NO	77172
DATE	07.25.07
DRAWN	UJG
CHECKED	MP P
CAD FILE	

TIMOTHY M. MULROONEY
REGISTERED ENGINEER
STATE OF TENNESSEE

F514

100014663



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NORTH

15' 0 30' 60'

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MEMPHIS, TN

62M

SPRING BRANCH, TX 78070

No.	Revision	Date

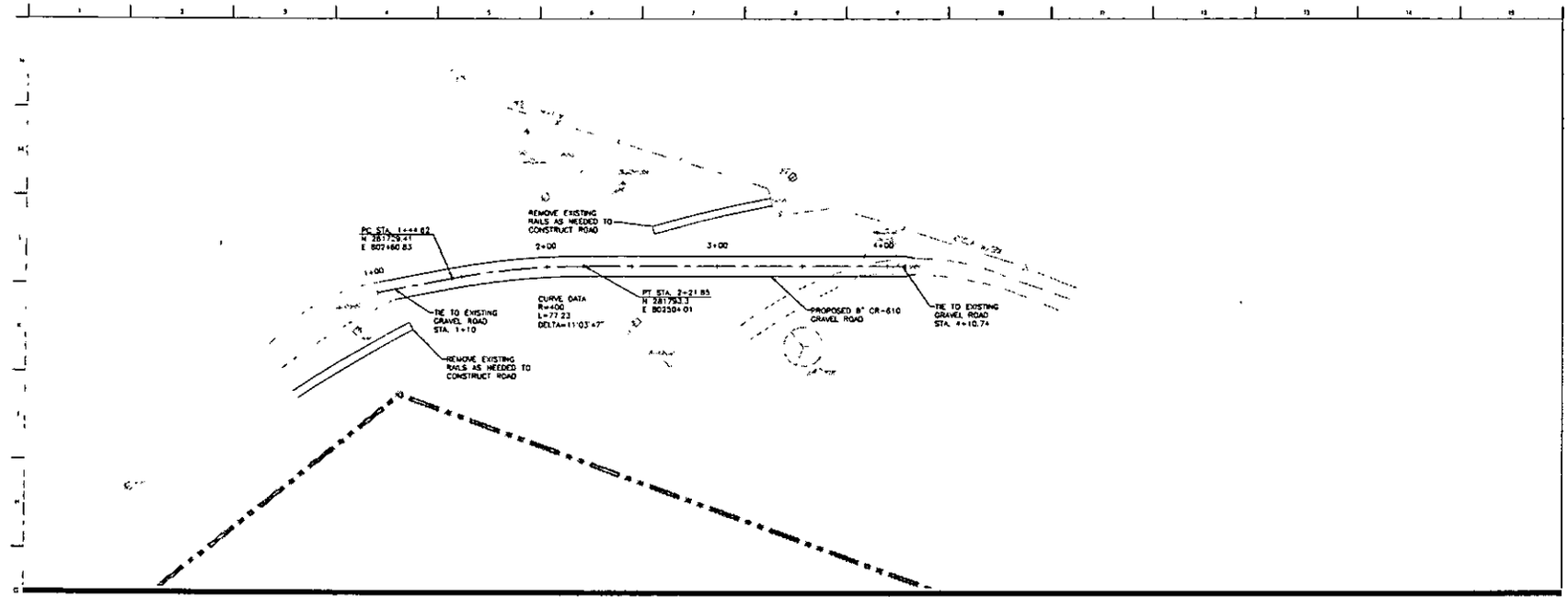
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VR XWK4JR DG

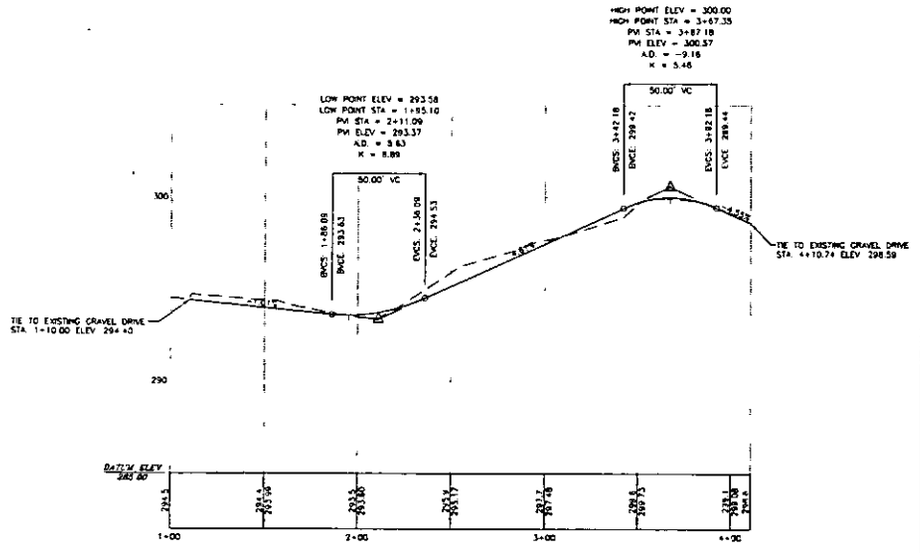
JOB NO: 77172
DATE: 07.25.07
DRAWN: UGO
CHECKED: MP P
CAD FILE:

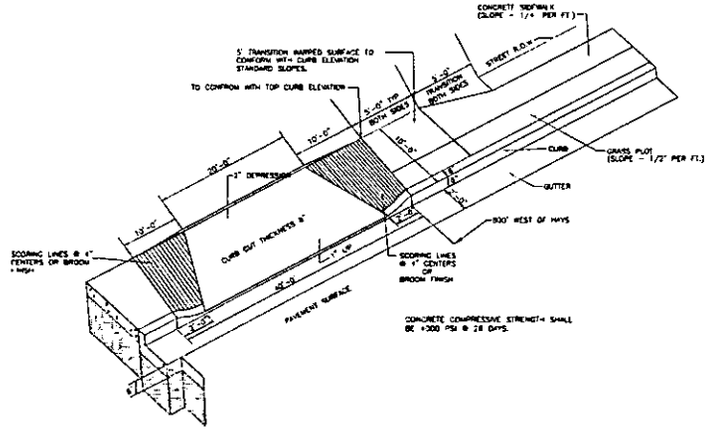
TIMOTHY W. MULROONEY
REGISTERED ENGINEER
No. 109838
STATE OF TENNESSEE

F414

10001467







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NTS

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MEMPHIS DEPOT
ROAD IMPROVEMENTS

MEMPHIS, TN

62M

SPRING BRANCH, TX 78070

No.	Revision	Date

SCALE: AS SHOWN

DRAWN BY: DG

JOB NO: 77172
DATE: 07.25.07
DRAWN: DJG
CHECKED: MP
CAD FILE:

TIMOTHY M. MULROONEY
REGISTERED ENGINEER
STATE OF TENNESSEE

F415

100014683

APPENDIX J

BACKFILL SOURCE MEMORANDUM

Memorandum

To: Brian Renaghan, CIV AFCEE/EXA
Mike Dobbs, DES-DDC-EE

From: Brandon Bruns
Tom Holmes

Date: 3 December 2007

Re: **Backfill Sampling**
Loess Groundwater Remedial Action – ET&D
Defense Depot Memphis, Tennessee
FA8903-04-D-8722, TO 0043

Excavation, transportation and disposal (ET&D) is being implemented as part of the Source Areas Remedial Action in Treatment Area 1 (TA-1) and TA-3 on Dunn Field. Clean backfill will be needed for the excavations and possibly for grading in preparation for the thermal enhanced soil vapor extraction remedy. The *Dunn Field Source Areas Loess/Groundwater Remedial Action Work Plan, Rev 1.* (e2M, 2007) states backfill samples will be collected for every 250 cubic yards (cy) from on-site source areas and for every 500 cy from off-site source areas.

The soil pile previously removed from TA-3 was identified as a potential on-site backfill source. Approximately 6,000 cy was relocated from TA-3 and graded into the existing slope south of TA-4. The edges of the fill area were surveyed to estimate the volume of available soil. Based on the initial estimate that 1,000 cy of backfill would be required in TA-1 and TA-3, four backfill samples were collected from this area on 18 October 2007. The source area and sample locations are shown on Figure 1. Grab samples were collected from each location, samples for VOC analysis were collected with En Core® samplers and soil for other analyses were collected in 8-ounce glass jars.

The extent of buried, crushed drums observed in test pit excavations in TA-3 resulted in an increase in the volume of backfill required and an off-site source area was determined to be necessary. An existing borrow pit on President's Island south west of Memphis was selected following discussion with e^2M subcontractor, Terry Construction Co. Six backfill samples were collected at the borrow pit on 7 November 2007. A grab sample was collected at each location in the same manner as the on-site samples. The general borrow pit location is shown on Figure 2; samples were collected from undisturbed soil on the south face of the borrow pit excavation.

Samples from both locations were submitted to Kemron Laboratories for analysis for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals,

pesticides, herbicides and polychlorinated biphenyls (PCBs). The analytical results for all constituents detected in one or more samples are shown on Table 1 for the on-site samples and Table 2 for the off-site samples. The tables also list the corresponding Remediation Goals (RGs) from the Dunn Field Record of Decision (ROD). For analytes without RGs, the Environmental Protection Agency (EPA) Region 9 Preliminary Remediation Goals (PRGs) are provided.

On-site backfill samples (Backfill -1, -2 and -4) contained a VOC, Benzo (a) pyrene, at concentrations slightly above the RG. Backfill-2 also contained Benzo (a) flouranthene slightly above the RG.

Only one organic compound, dieldrin, was detected above reporting limits in the off-site samples from President's Island; the concentration was well below the RG. Metals concentrations were all below RGs.

Conclusion

While only two VOCs were reported slightly above RGs in the on-site backfill samples, e^2M recommends that the off-site borrow pit on President's Island be used based on the volume of fill material required, the additional sampling costs for on-site backfill, and the soil handling and restorations costs for the on-site backfill.

Table 1
Analytical Results Summary –Backfill Samples
Source Areas Remedial Action – ET and D
Dunn Field – Defense Depot Memphis, Tennessee

Analyte	Method	Units	RG	PRG	BACKFILL-1	BACKFILL-2	BACKFILL-3	BACKFILL-4
Volatile Organic Compounds								
Ethylbenzene	8260B	mg/kg	13	13	<0.00518	0.000746 F	<0.00536	<0.00511
Hexachlorobutadiene	8260B	mg/kg	NL	2	<0.00311	<0.00341	<0.00322	<0.00307
m-,p-Xylene	8260B	mg/kg	210	210	<0.00518	0.000956 F	<0.00536	<0.00511
Total Xylenes	8260B	mg/kg	210	210	<0.00518	0.000956 F	<0.00536	<0.00511
Semi-Volatile Organic Compounds								
Acenaphthene	8270C	mg/kg	29,219	570	1.52 F	4.51	<0.389	0.701
Anthracene	8270C	mg/kg	100,000	1,200	2.45	6.93	0.253 F	1.31
Benzo(a)anthracene	8270C	mg/kg	21.1	2	7	20.9	0.967	3.85
Benzo(a)pyrene	8270C	mg/kg	2.11	8	6.36	20.7	0.902	3.52
Benzo(b)fluoranthene	8270C	mg/kg	21.1	5	6.52	22.7	0.976	3.42
Benzo(g,h,i)Perylene	8270C	mg/kg	NL	NL	3.3	6.95	0.583	1.62
Benzo(k)fluoranthene	8270C	mg/kg	211	49	6.67	23.7	0.935	3.95
Chrysene	8270C	mg/kg	2,110	160	7.56	22.5	1.06	4.05
Dibenzo(a,h)Anthracene	8270C	mg/kg	2.11	2	1.35 F	2.45	0.178 F	0.572
Dibenzofuran	8270C	mg/kg	NL	1,600	0.768 F	1.83	<0.389	0.332 F
Fluoranthene	8270C	mg/kg	22,000	4,300	22	65.3	2.8	68.4 J
Fluorene	8270C	mg/kg	26,281	560	1.22 F	3.02	<0.389	0.593
Indeno(1,2,3-cd)pyrene	8270C	mg/kg	21.1	14	3.39	7.84	0.551	1.76
Naphthalene	8270C	mg/kg	188	84	<1.83	0.804 F	<0.389	<0.382
Phenanthrene	8270C	mg/kg	NL	NL	16.1	46	1.69	44.5 J
Pyrene	8270C	mg/kg	29,126	4,200	14.8	42.5	1.94	47.8 J
Polychlorinated Biphenyls								
Aroclor-1260	8082	mg/kg	7.44	0.74	0.121 J	0.143 J	0.264 J	0.459 J
Pesticides								
4,4'-DDD	8081A	mg/kg	99.5	16	0.0192	0.0472 F	0.0507	0.188
4,4'-DDE	8081A	mg/kg	70.2	54	0.0716	0.151	0.169 J	0.354
4,4'-DDT	8081A	mg/kg	70.2	32	0.109	0.237	0.216	0.468
alpha Chlordane	8081A	mg/kg	64.6	10	0.0485 J	0.101 J	0.0511 J	0.077
Dieldrin	8081A	mg/kg	1.08	4,000	0.232	0.423 J	0.527	0.27
gamma Chlordane	8081A	mg/kg	64.6	10	0.0277	0.064 F	0.0207	0.0379 F
Herbicides								
Pentachlorophenol	8151A	mg/kg	27	0.03	0.0531	<0.0857	0.0134 F	<0.0476

Table 1
Analytical Results Summary –Backfill Samples
Source Areas Remedial Action – ET and D
Dunn Field – Defense Depot Memphis, Tennessee

Analyte	Method	Units	RG	PRG	BACKFILL-1	BACKFILL-2	BACKFILL-3	BACKFILL-4
Metals								
Aluminum, Total	6010B	mg/kg	100,000	100,000	16800	23700	8380	9420
Barium, Total	6010B	mg/kg	1,600	1,600	133	197	102	104
Beryllium, Total	6010B	mg/kg	19,000	63	0.567	0.575	0.423 F	0.423 F
Cadmium, Total	6010B	mg/kg	451	8	0.219 F	0.587	0.345 F	0.252 F
Calcium, Total	6010B	mg/kg	NL	NL	10300	22900	3050	3660
Chromium, Total	6010B	mg/kg	4,483	38	22.6	50.5	18.5	16
Cobalt, Total	6010B	mg/kg	661	1,900	6.58	5.51	6.46	6.11
Copper, Total	6010B	mg/kg	669	41,000	22.5	107	26.9	25.5
Iron, Total	6010B	mg/kg	NL	100,000	19000	18900	17100	18500
Magnesium, Total	6010B	mg/kg	NL	NL	2460	2660	1960	1780
MaNLanese, Total	6010B	mg/kg	1,540	19,000	440	353	479	404
Nickel, Total	6010B	mg/kg	20,439	130	15.8	15.1	14.7	13.8
Potassium, Total	6010B	mg/kg	NL	NL	1470	1680	738	711
Silver, Total	6010B	mg/kg	34	34	0.448 F	1.23 F	0.238 F	0.333 F
Sodium, Total	6010B	mg/kg	NL	NL	69.5	91.4	49.6	55
Vanadium, Total	6010B	mg/kg	7,154	6,000	34.2	35.9	20.8	20.9
Zinc, Total	6010B	mg/kg	100,000	12,000	79.1	191	86	66.7
Antimony, Total	6020	mg/kg	7	5	0.0991 F	0.186	<0.119	<0.12
Arsenic, Total	6020	mg/kg	29	29	10.5	12.5	11.6	9.65
Lead, Total	6020	mg/kg	1,536	800	51.7	191	89.3	91.2
Selenium, Total	6020	mg/kg	5	5	0.206 F	0.19 F	0.353	0.397
Thallium, Total	6020	mg/kg	67.5	67	0.254	0.232	0.281	0.27
Mercury, Total	7471A	mg/kg	307	310	0.0389 F	0.0455 F	0.0183 F	0.0144 F

Notes:

B: Method Blank Contamination

F: Estimate -result >MDL and <RL

J: Estimated Result

<: Result is less than laboratory detection limit.

NL: Not Listed

Table 2
Analytical Results Summary – President's Island Backfill Samples
Source Areas Remedial Action – ET and D
Dunn Field – Defense Depot Memphis, Tennessee

Analyte	Method	Units	RG	PRG	OFF-SITE-BF-1	OFF-SITE-BF-2	OFF-SITE-BF-3	OFF-SITE-BF-4	OFF-SITE-BF-5	OFF-SITE-BF-6
Volatile Organic Compounds	8260B									
No Detections										
Semi-Volatile Organic Compounds										
Bis(2-Ethylhexyl)phthalate	8270C	mg/kg	1,231	120	<0.345	<0.336	<0.352	<0.363	0.117 F	<0.374
Di-N-Butylphthalate	8270C	mg/kg	nl	nl	<0.345	<0.336	<0.352	<0.363	<0.345	0.0998 F
Polychlorinated Biphenyls	8082									
No Detections										
Pesticides										
4,4'-DDE	8081A	mg/kg	70.2	54	<0.00171	<0 00169	0.000927 F	<0.00181	<0.00173	<0.00191
4,4'-DDT	8081A	mg/kg	70.2	32	<0.00171	<0 00169	0.00151 F	<0.00181	<0.00173	<0.00191
Dieldrin	8081A	mg/kg	1.08	4,000	<0.00171	<0 00169	0.00243	<0.00181	<0.00173	<0.00191
Herbicides	8151A									
No Detections										
Metals										
Aluminum, Total	6010B	mg/kg	100,000	100,000	1940	1810	3380	3120	2500	3920
Barium, Total	6010B	mg/kg	1,600	1,600	39.2	38	52.1	56.3	43.6	73
Beryllium, Total	6010B	mg/kg	19,000	63	0.14 F	0.135 F	0.22 F	0.238 F	0.213 F	0.288 F
Cadmium, Total	6010B	mg/kg	451	8	0.167 F	0.16 F	0.205 F	0.231 F	0.247 F	0.273 F
Calcium, Total	6010B	mg/kg	nl	nl	2220	2000	2120	3710	2290	4210
Chromium, Total	6010B	mg/kg	4,483	38	4.25	4.3	6.91	7.12	5.71	7.8
Cobalt, Total	6010B	mg/kg	661	1,900	3.83	3.59	4.34	5.12	4.87	5.34
Copper, Total	6010B	mg/kg	669	41,000	1.98	1.64	4.09	3.57	2.71	4.66
Iron, Total	6010B	mg/kg	nl	100,000	5400 B	5290 B	7790 B	8040 B	7290 B	9120 B
Magnesium, Total	6010B	mg/kg	nl	nl	1510	1410	1620	2770	1720	3170
Manganese, Total	6010B	mg/kg	1,540	19,000	93.7	89.6	158	166	147	203
Nickel, Total	6010B	mg/kg	20,439	130	8.85	8.4	9.54	12.1	11.4	12.4
Potassium, Total	6010B	mg/kg	nl	nl	290	269	565	539	418	702
Sodium, Total	6010B	mg/kg	nl	nl	33	33.1	42.7	46.1	39.9	54.1
Vanadium, Total	6010B	mg/kg	7,154	6,000	6.37	6.33	9.89	9.7	8.87	11.1
Zinc, Total	6010B	mg/kg	100,000	12,000	17.5	16.1	32.2	27	23.3	35.1
Arsenic, Total	6020	mg/kg	29	29	1.97	1.57	2.28	2.91	3.13	3.02
Lead, Total	6020	mg/kg	1,536	800	4.77	3.32	9.51	5.9	6.2	6.39
Selenium, Total	6020	mg/kg	5	5	0 16 F	0 111 F	0.189 F	0.126 F	0.167 F	0.159 F
Thallium, Total	6020	mg/kg	67.5	67	0.0522	0.046	0.0702	0.0711	0.0589	0.0878
Mercury, Total	7471A	mg/kg	307	310	<0.265	<0.248	0.0153 F	<0.278	<0.266	<0.286

Notes:
B: Method Blank Contamination
F: Estimate -result >MDL and <RL
J: Estimated Result
<: Result is less than laboratory detection limit.
NL: Not Listed

10001474

10001475



N
W E
S

Figure 1

Borrow Pile Sample Locations

LOESS / GROUNDWATER
REMEDIAL ACTION
WORK PLAN

DUNN FIELD
DEFENSE DEPOT
MEMPHIS, TENNESSEE

Projection: NAD 1927 StatePlane Tennessee
Datum : WGS 84
Units: Feet

0 25 50 100
Feet

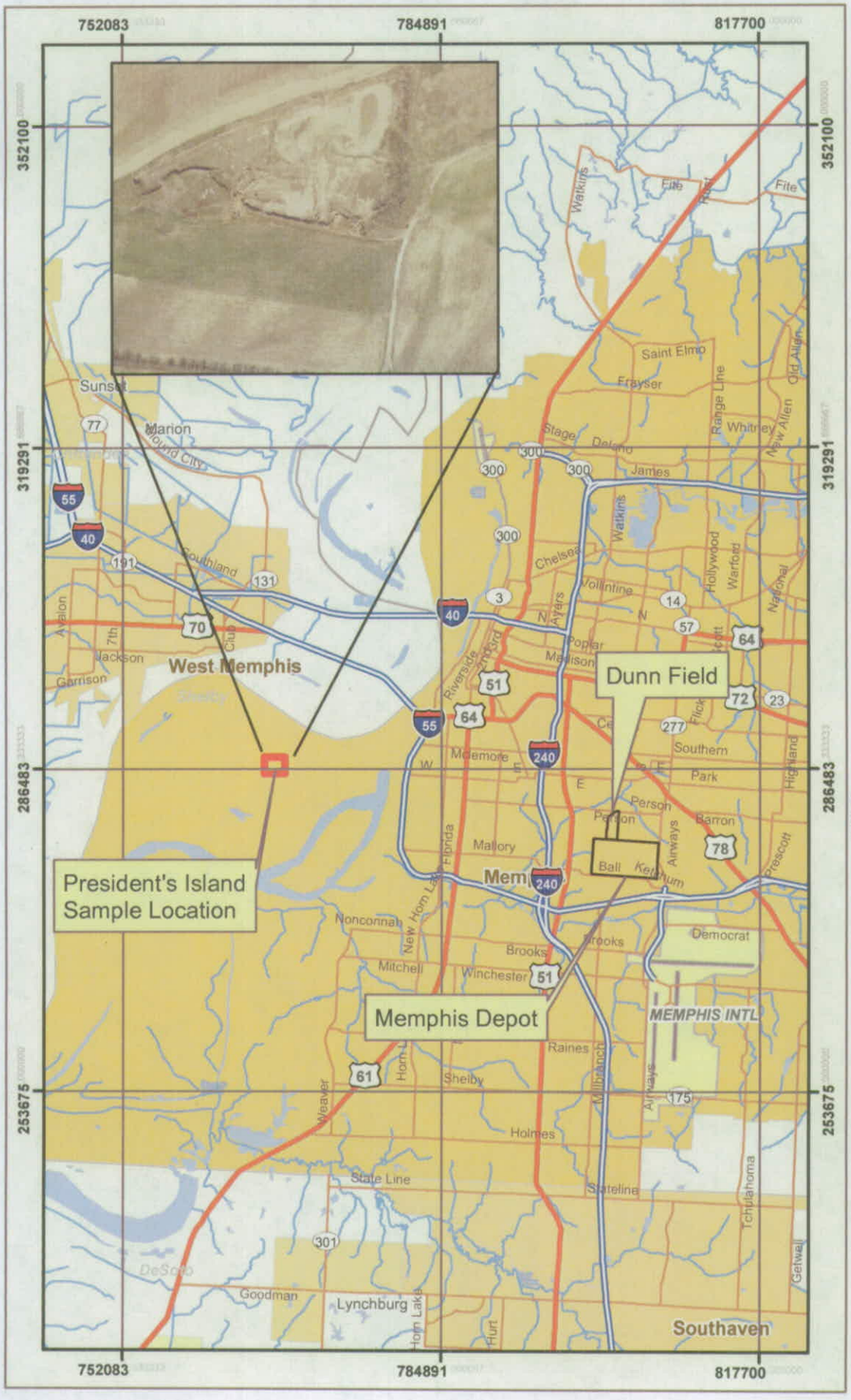
Installation Location
Memphis, Tennessee



Date: November 2007
Edition: Rev 0

G:\3202\01\01-15\Source Area RA\TE&DIGIS

10001476



N
W E
S

Figure 2

Off-Site Backfill Source President's Island

LOESS / GROUNDWATER
REMEDIAL ACTION
WORK PLAN

DUNN FIELD
DEFENSE DEPOT
MEMPHIS, TENNESSEE

Projection: NAD 1927 StatePlane Tennesse
Datum : WGS 84
Units: Feet

0 0.6 1.2 1.8 2.4 3 Miles

Installation Location
Memphis, Tennessee



Date: November 2007
Edition: Rev 0

APPENDIX K

CONTRACTOR LABORATORY REPORTS

CORNERSTONE LABORATORIES LLC

1775 Moriah Woods Blvd., Ste. 12 ▪ Memphis, TN 38117 ▪ (901) 398-4001 Fax: (901) 398-4223

UNITED STATES ENVIRONMENTAL SERVICES, LLC.
ATTN: MIKE KOLKANA
1855 VETERANS
SOUTHAVEN, MS 38671

February 20, 2009

ACCOUNT #: 01-0303

REPORT NUMBER: 050-09-015

USES REFERENCE: Project# 070-09-0028.

Laboratory Report
Case Narrative

On February 19, 2009, one sample was submitted to the laboratory for analyses detailed on the chain of custody accompanying the sample. The sample was received on ice, sealed and in good condition. There were no analytical problems encountered and the results are on the succeeding pages.

If you have any questions about this report please do not hesitate to contact me.

Thank you for using Cornerstone Laboratories.

Sincerely,

Samuel J. LaBonia
President and Technical Director

EPA#TN01074
AOCS#485183
ADEQ#88-0859

AOAC#93939
APHA#9798654
ASTA LISTED

CORNERSTONE LABORATORIES, LLC

UNITED STATES ENVIRONMENTAL SERVICES, LLC. **February 20, 2009**

ACCOUNT #: 01-0303 **REPORT NUMBER: 050-09-015**

USES REFERENCE: Project# 070-09-0028.

Certificate of Volatile Organics by GC/MS

Laboratory Number: 57310 **Sample ID: E^2M-2**

Compound	Result	Quantitation Limit	Method	Date/Time Analyzed	Analyst
Acetone	<0.050 mg/Kg	0.050 mg/Kg	8260B	02/19/09 17:42	K. Shinn
Benzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
Bromobenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
Bromoform	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
Bromomethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
2-Butanone	<0.050 mg/Kg	0.050 mg/Kg	8260B	02/19/09 17:42	K. Shinn
n-Butylbenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
sec-Butylbenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
tert-Butylbenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
Carbon Disulfide	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
Carbon Tetrachloride	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
Chlorobenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
Chlorodibromomethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
Chloroethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
Chloroform	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
Chloromethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
2-Chlorotoluene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
4-Chlorotoluene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
1,2-Dibromo-3-chloropropane	<0.020 mg/Kg	0.020 mg/Kg	8260B	02/19/09 17:42	K. Shinn
Dichlorobromomethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
1.2-Dichlorobenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
1.3-Dichlorobenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
1.4-Dichlorobenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
Dichlorodifluoromethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
Dibromomethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
1,1-Dichloroethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
1,2-Dichloroethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
cis-1,2-Dichloroethylene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
trans-1,2-Dichloroethylene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
1,1-Dichloroethylene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
1,2-Dichloropropane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
1,3-Dichloropropane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn

CORNERSTONE LABORATORIES, LLC

UNITED STATES ENVIRONMENTAL SERVICES, LLC. February 20, 2009

ACCOUNT #: 01-0303 REPORT NUMBER: 050-09-015

USES REFERENCE: Project# 070-09-0028.

Certificate of Volatile Organics by GC/MS (cont.)

Laboratory Number: 57310 **Sample ID: E^2M-2**

Compound	Result	Quantitation Limit	Method	Date/Time Analyzed	Analyst
2,2-Dichloropropane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
1,1-Dichloropropylene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
cis-1,3-Dichloropropylene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
trans-1,3-Dichloropropylene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
Ethylbenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
Hexachlorobutadiene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
2-Hexanone	<0.050 mg/Kg	0.050 mg/Kg	8260B	02/19/09 17:42	K. Shinn
Isopropylbenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
4-Isopropyltoluene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
4-Methyl-2-Pentanone	<0.010 mg/Kg	0.010 mg/Kg	8260B	02/19/09 17:42	K. Shinn
Methylene Chloride	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
n-Propylbenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
Naphthalene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
Styrene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
1,1,1,2-Tetrachloroethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
1,1,2,2-Tetrachloroethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
Tetrachloroethylene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
Toluene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
1,2,3-Trichlorobenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
1,2,4-Trichlorobenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
1,2,3-Trichloropropane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
1,1,1-Trichloroethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
1,1,2-Trichloroethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
Trichloroethylene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
1,2,4-Trimethylbenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
1,3,5-Trimethylbenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
Trichlorofluoromethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
Vinyl Chloride	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/19/09 17:42	K. Shinn
Xylene (Total)	<0.015 mg/Kg	0.015 mg/Kg	8260B	02/19/09 17:42	K. Shinn

10001481

CORNERSTONE LABORATORIES LLC

1775 Moriah Woods Blvd., Ste. 12 ▪ Memphis, TN 38117 ▪ (901) 398-4001 Fax: (901) 398-4223

UNITED STATES ENVIRONMENTAL SERVICES, LLC.
ATTN: MIKE KOLKANA
1855 VETERANS
SOUTHAVEN, MS 38671

February 21, 2009

ACCOUNT #: 01-0303

REPORT NUMBER: 050-09-019

USES REFERENCE: Project# 070-09-0028.

Laboratory Report
Case Narrative

On February 19, 2009, one sample was submitted to the laboratory for analyses detailed on the chain of custody accompanying the sample. The sample was received on ice, sealed and in good condition. There were no analytical problems encountered and the results are on the succeeding pages.

If you have any questions about this report please do not hesitate to contact me.

Thank you for using Cornerstone Laboratories.

Sincerely,

Samuel J. LaBonia
President and Technical Director

EPA#TN01074
AOCS#485183
ADEQ#88-0859

AOAC#93939
APHA#9798654
ASTA LISTED

CORNERSTONE LABORATORIES, LLC

UNITED STATES ENVIRONMENTAL SERVICES, LLC. February 21, 2009

ACCOUNT #: 01-0303 REPORT NUMBER: 050-09-019

USES REFERENCE: Project# 070-09-0028.

Quality Assurance Summary

Analysis	Method	Holding Time	Surrogate Recoveries	Matrix Spike Recoveries	Blanks	Overall Summary
Metals	6010B	23	37	28	34	36
Mercury	7040	23	37	28	34	36
Volatiles	8260B	23	25	28	30	36
Semi-Volatiles	8270C	23	25	28	32	36
Pesticides	8081B	23	25	28	32	36
Herbicides	8151A	23	25	28	32	36
Ignitability	PMCC	23	37	37	37	36
Corrosivity	9040	23	37	37	37	36

23 – Recommended holding time met.
25 – Surrogate recoveries within laboratory control limits.
26 – Matrix Spike recoveries with laboratory control limits.
28 – Blank Spike analyzed, recoveries within laboratory control limits.
30 – VOC laboratory blank within laboratory control limits.
32 – Extraction blank within laboratory control limits.
34 – Laboratory Reagent Blank (LRB) within laboratory control limits.
36 – All quality control parameters within laboratory control limits.
37 – Not Applicable for this analysis.

CORNERSTONE LABORATORIES, LLC

UNITED STATES ENVIRONMENTAL SERVICES, LLC. February 21, 2009

ACCOUNT #: 01-0303 REPORT NUMBER: 050-09-019

USES REFERENCE: Project# 070-09-0028.

TCLP Metals

Laboratory Number: 57323

Sample ID: E^2M-3
Tumbled: February 19, 2009

Analysis	Result	Regulatory Limit	Method	Date/Time Analyzed	Analyst
Arsenic	<0.050 mg/L	5.0 mg/L	6010B	02/20/09 15:09	M. Blum
Barium	2.010 mg/L	100.0 mg/L	6010B	02/20/09 15:09	M. Blum
Cadmium	<0.050 mg/L	1.0 mg/L	6010B	02/20/09 15:09	M. Blum
Chromium	<0.050 mg/L	5.0 mg/L	6010B	02/20/09 15:09	M. Blum
Lead	<0.050 mg/L	5.0 mg/L	6010B	02/20/09 15:09	M. Blum
Mercury	<0.009 mg/L	0.2 mg/L	7040	02/20/09 16:00	T. Tran
Selenium	0.614 mg/L	1.0 mg/L	6010B	02/20/09 15:09	M. Blum
Silver	<0.010 mg/L	5.0 mg/L	6010B	02/20/09 15:09	M. Blum
Corrosivity	5.79 s.u.	2.0-12.5	9040	02/19/09 13:10	T. Tran
Ignitability	>200°F	140°F	PMCC	02/20/09 11:00	T. Tran
Reactive Sulfide	<1 mg/Kg	500 mg/Kg	7.3.4	02/20/09 11:00	M. Blum
Reactive Cyanide	<1 mg/Kg	250 mg/Kg	7.3.3	02/20/09 09:30	M. Blum

TCLP Volatiles

Laboratory Number: 57323

Sample ID: E^2M-3
Tumbled: February 19, 2009

Analysis	Result	Regulatory Limit	Method	Date/Time Analyzed	Analyst
Benzene	<0.100 mg/L	0.5 mg/L	8260B	02/20/09 11:59	K. Shinn
Carbon Tetrachloride	<0.100 mg/L	0.5 mg/L	8260B	02/20/09 11:59	K. Shinn
Chlorobenzene	<0.100 mg/L	100.0 mg/L	8260B	02/20/09 11:59	K. Shinn
Chloroform	<0.100 mg/L	6.0 mg/L	8260B	02/20/09 11:59	K. Shinn
1,4-Dichlorobenzene	<0.100 mg/L	7.5 mg/L	8260B	02/20/09 11:59	K. Shinn
1,2-Dichloroethane	<0.100 mg/L	0.5 mg/L	8260B	02/20/09 11:59	K. Shinn
1,1-Dichloroethylene	<0.100 mg/L	0.7 mg/L	8260B	02/20/09 11:59	K. Shinn
Methyl Ethyl Ketone	<0.100 mg/L	200.0 mg/L	8260B	02/20/09 11:59	K. Shinn
Tetrachloroethylene	<0.100 mg/L	0.7 mg/L	8260B	02/20/09 11:59	K. Shinn
Trichloroethylene	<0.100 mg/L	0.5 mg/L	8260B	02/20/09 11:59	K. Shinn
Vinyl Chloride	<0.100 mg/L	0.2 mg/L	8260B	02/20/09 11:59	K. Shinn

CORNERSTONE LABORATORIES, LLC

UNITED STATES ENVIRONMENTAL SERVICES, LLC. February 21, 2009

ACCOUNT #: 01-0303 REPORT NUMBER: 050-09-019

USES REFERENCE: Project# 070-09-0028.

TCLP Extractables

Laboratory Number: 57323 **Sample ID: E^2M-3**
Tumbled: February 19, 2009

Analysis	Result	Regulatory Limit	Method	Date/Time Analyzed	Analyst
Cresol (Total)	<1.200 mg/L	200.0 mg/L	8270C	02/20/09 15:21	K. Shinn
2,4-Dinitrotoluene	<0.040 mg/L	0.13 mg/L	8270C	02/20/09 15:21	K. Shinn
Hexachlorobenzene	<0.040 mg/L	0.13 mg/L	8270C	02/20/09 15:21	K. Shinn
Hexachloro-1,3-butadiene	<0.040 mg/L	0.5 mg/L	8270C	02/20/09 15:21	K. Shinn
Hexachloroethane	<0.040 mg/L	3.0 mg/L	8270C	02/20/09 15:21	K. Shinn
Nitrobenzene	<0.040 mg/L	2.0 mg/L	8270C	02/20/09 15:21	K. Shinn
Pentachlorophenol	<0.040 mg/L	100.0 mg/L	8270C	02/20/09 15:21	K. Shinn
Pyridine	<0.200 mg/L	5.0 mg/L	8270C	02/20/09 15:21	K. Shinn
2,4,5-Trichlorophenol	<0.040 mg/L	400.0 mg/L	8270C	02/20/09 15:21	K. Shinn
2,4,6-Trichlorophenol	<0.040 mg/L	2.0 mg/L	8270C	02/20/09 15:21	K. Shinn

TCLP Pesticides

Laboratory Number: 57323 **Sample ID: E^2M-3**
Tumbled: February 19, 2009

Analysis	Result	Regulatory Limit	Method	Date/Time Analyzed	Analyst
Chlordane	<0.0005 mg/L	0.0300 mg/L	8081B	02/20/09 16:39	S. LaBonia
Endrin	<0.0005 mg/L	0.0200 mg/L	8081B	02/20/09 16:39	S. LaBonia
Heptachlor	<0.0005 mg/L	0.0080 mg/L	8081B	02/20/09 16:39	S. LaBonia
Heptachlor Epoxide	<0.0005 mg/L	0.0080 mg/L	8081B	02/20/09 16:39	S. LaBonia
Lindane	<0.0005 mg/L	0.4000 mg/L	8081B	02/20/09 16:39	S. LaBonia
Methoxychlor	<0.0005 mg/L	10.0000 mg/L	8081B	02/20/09 16:39	S. LaBonia
Toxaphene	<0.0050 mg/L	0.5000 mg/L	8081B	02/20/09 16:39	S. LaBonia

TCLP Herbicides

Laboratory Number: 57323 **Sample ID: E^2M-3**
Tumbled: February 19, 2009

Analysis	Result	Regulatory Limit	Method	Date/Time Analyzed	Analyst
2,4-D	<0.02 mg/L	10.00 mg/L	8151A	02/21/09 07:45	S. LaBonia
Silvex	<0.02 mg/L	1.00 mg/L	8151A	02/21/09 07:45	S. LaBonia

10001485

CORNERSTONE LABORATORIES LLC

1775 Moriah Woods Blvd., Ste. 12 ▪ Memphis, TN 38117 ▪ (901) 398-4001 Fax: (901) 398-4223

UNITED STATES ENVIRONMENTAL SERVICES, LLC.
ATTN: MIKE KOLKANA
1855 VETERANS
SOUTHAVEN, MS 38671

February 24, 2009

ACCOUNT #: 01-0303

REPORT NUMBER: 054-09-019

USES REFERENCE: Project# 070-09-0028.

Laboratory Report
Case Narrative

On February 23, 2009, one sample was submitted to the laboratory for analyses detailed on the chain of custody accompanying the sample. The sample was received on ice, sealed and in good condition. There were no analytical problems encountered and the results are on the succeeding pages.

If you have any questions about this report please do not hesitate to contact me.

Thank you for using Cornerstone Laboratories.

Sincerely,

Samuel J. LaBonia
President and Technical Director

EPA#TN01074
AOCS#485183
ADEQ#88-0859

AOAC#93939
APHA#9798654
ASTA LISTED

CORNERSTONE LABORATORIES, LLC

UNITED STATES ENVIRONMENTAL SERVICES, LLC. February 24, 2009

ACCOUNT #: 01-0303 REPORT NUMBER: 054-09-019

USES REFERENCE: Project# 070-09-0028.

Quality Assurance Summary

Analysis	Method	Holding Time	Surrogate Recoveries	Matrix Spike Recoveries	Blanks	Overall Summary
Metals	6010B	23	37	28	34	36
Mercury	7040	23	37	28	34	36
Volatiles	8260B	23	25	28	30	36
Semi-Volatiles	8270C	23	25	28	32	36
Pesticides	8081B	23	25	28	32	36
Herbicides	8151A	23	25	28	32	36

23 – Recommended holding time met.
25 – Surrogate recoveries within laboratory control limits.
26 – Matrix Spike recoveries with laboratory control limits.
28 – Blank Spike analyzed, recoveries within laboratory control limits.
30 – VOC laboratory blank within laboratory control limits.
32 – Extraction blank within laboratory control limits.
34 – Laboratory Reagent Blank (LRB) within laboratory control limits.
36 – All quality control parameters within laboratory control limits.
37 – Not Applicable for this analysis.

CORNERSTONE LABORATORIES, LLC

UNITED STATES ENVIRONMENTAL SERVICES, LLC. February 24, 2009

ACCOUNT #: 01-0303 REPORT NUMBER: 054-09-019

USES REFERENCE: Project# 070-09-0028.

RCRA Metals

Laboratory Number: 57410 **Sample ID: E^2M-4**

Analysis	Result	Detection Limit	Method	Date/Time Analyzed	Analyst
Arsenic	<0.1 mg/L	0.1mg/Kg	6010B	02/24/09 12:08	M. Blum
Barium	13.7 mg/Kg	0.1 mg/Kg	6010B	02/24/09 12:08	M. Blum
Cadmium	3.1 mg/Kg	0.1 mg/Kg	6010B	02/24/09 12:08	M. Blum
Chromium	0.9 mg/Kg	0.1 mg/Kg	6010B	02/24/09 12:08	M. Blum
Lead	1.1 mg/Kg	0.1 mg/Kg	6010B	02/24/09 12:08	M. Blum
Mercury	<0.009 mg/Kg	0.009 mg/Kg	7040	02/24/09 13:00	T. Tran
Selenium	0.6 mg/Kg	0.1 mg/Kg	6010B	02/24/09 12:08	M. Blum
Silver	<0.1 mg/Kg	0.1 mg/Kg	6010B	02/24/09 12:08	M. Blum

Certificate of Chlorinated Herbicides

Laboratory Number: 57410 **Sample ID: E^2M-4**

Compound	Result	Quantitation Limit	Method	Date/Time Analyzed	Analyst
2,4-D	<0.001 mg/Kg	0.001 mg/Kg	8151A	02/24/09 13:17	S. LaBonia
2,4-DB	<0.001 mg/Kg	0.001 mg/Kg	8151A	02/24/09 13:17	S. LaBonia
2,4,5-TP	<0.001 mg/Kg	0.001 mg/Kg	8151A	02/24/09 13:17	S. LaBonia
2,4,5-T	<0.001 mg/Kg	0.001 mg/Kg	8151A	02/24/09 13:17	S. LaBonia
Dalapon	<0.001 mg/Kg	0.001 mg/Kg	8151A	02/24/09 13:17	S. LaBonia
Dicamba	<0.001 mg/Kg	0.001 mg/Kg	8151A	02/24/09 13:17	S. LaBonia
Dichloroprop	<0.001 mg/Kg	0.001 mg/Kg	8151A	02/24/09 13:17	S. LaBonia
Dinoseb	<0.001 mg/Kg	0.001 mg/Kg	8151A	02/24/09 13:17	S. LaBonia
MCPA	<0.003 mg/Kg	0.003 mg/Kg	8151A	02/24/09 13:17	S. LaBonia
MCPP	<0.003 mg/Kg	0.003 mg/Kg	8151A	02/24/09 13:17	S. LaBonia
Acifluorfen	<0.001 mg/Kg	0.001 mg/Kg	8151A	02/24/09 13:17	S. LaBonia
Bentazon	<0.001 mg/Kg	0.001 mg/Kg	8151A	02/24/09 13:17	S. LaBonia
Picloram	<0.001 mg/Kg	0.001 mg/Kg	8151A	02/24/09 13:17	S. LaBonia

CORNERSTONE LABORATORIES, LLC

UNITED STATES ENVIRONMENTAL SERVICES, LLC. **February 24, 2009**

ACCOUNT #: 01-0303 **REPORT NUMBER: 054-09-019**

USES REFERENCE: Project# 070-09-0028.

Certificate of Volatile Organics by GC/MS

Laboratory Number: 57410 **Sample ID: E^2M-4**

Compound	Result	Quantitation Limit	Method	Date/Time Analyzed	Analyst
Acetone	<0.050 mg/Kg	0.050 mg/Kg	8260B	02/23/09 16:49	K. Shinn
Benzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
Bromobenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
Bromoform	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
Bromomethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
2-Butanone	<0.050 mg/Kg	0.050 mg/Kg	8260B	02/23/09 16:49	K. Shinn
n-Butylbenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
sec-Butylbenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
tert-Butylbenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
Carbon Disulfide	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
Carbon Tetrachloride	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
Chlorobenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
Chlorodibromomethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
Chloroethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
Chloroform	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
Chloromethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
2-Chlorotoluene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
4-Chlorotoluene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
1,2-Dibromo-3-chloropropane	<0.020 mg/Kg	0.020 mg/Kg	8260B	02/23/09 16:49	K. Shinn
Dichlorobromomethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
1.2-Dichlorobenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
1.3-Dichlorobenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
1.4-Dichlorobenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
Dichlorodifluoromethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
Dibromomethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
1,1-Dichloroethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
1,2-Dichloroethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
cis-1,2-Dichloroethylene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
trans-1,2-Dichloroethylene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
1,1-Dichloroethylene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
1,2-Dichloropropane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
1,3-Dichloropropane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn

CORNERSTONE LABORATORIES, LLC

UNITED STATES ENVIRONMENTAL SERVICES, LLC. February 24, 2009

ACCOUNT #: 01-0303 REPORT NUMBER: 054-09-019

USES REFERENCE: Project# 070-09-0028.

Certificate of Volatile Organics by GC/MS (cont.)

Laboratory Number: 57410 **Sample ID: E^2M-4**

Compound	Result	Quantitation Limit	Method	Date/Time Analyzed	Analyst
2,2-Dichloropropane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
1,1-Dichloropropylene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
cis-1,3-Dichloropropylene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
trans-1,3-Dichloropropylene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
Ethylbenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
Hexachlorobutadiene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
2-Hexanone	<0.050 mg/Kg	0.050 mg/Kg	8260B	02/23/09 16:49	K. Shinn
Isopropylbenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
4-Isopropyltoluene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
4-Methyl-2-Pentanone	<0.010 mg/Kg	0.010 mg/Kg	8260B	02/23/09 16:49	K. Shinn
Methylene Chloride	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
n-Propylbenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
Naphthalene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
Styrene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
1,1,1,2-Tetrachloroethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
1,1,2,2-Tetrachloroethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
Tetrachloroethylene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
Toluene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
1,2,3-Trichlorobenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
1,2,4-Trichlorobenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
1,2,3-Trichloropropane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
1,1,1-Trichloroethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
1,1,2-Trichloroethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
Trichloroethylene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
1,2,4-Trimethylbenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
1,3,5-Trimethylbenzene	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
Trichlorofluoromethane	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
Vinyl Chloride	<0.005 mg/Kg	0.005 mg/Kg	8260B	02/23/09 16:49	K. Shinn
Xylene (Total)	<0.015 mg/Kg	0.015 mg/Kg	8260B	02/23/09 16:49	K. Shinn

CORNERSTONE LABORATORIES, LLC

UNITED STATES ENVIRONMENTAL SERVICES, LLC. February 24, 2009

ACCOUNT #: 01-0303 REPORT NUMBER: 054-09-019

USES REFERENCE: Project# 070-09-0028.

Certificate of Base/Neutral Extractables by GC/MS

Laboratory Number: 57410 **Sample ID: E^2M-4**

Compound	Result	Quantitation Limit	Method	Date/Time Analyzed	Analyst
Acenaphthene	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
Acenaphthylene	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
Anthracene	0.569 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
Benzidine	<0.500 mg/Kg	0.500 mg/Kg	8270C	02/23/09 18:17	K. Shinn
Benzo(a)Anthracene	0.338 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
Benzo (a) pyrene	0.211 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
3,4-Benzofluoranthene	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
Benzo (ghi) perylene	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
Benzo (k) Fluoranthene	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
Bis(2-chloroethoxy)methane	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
Bis(2-chloroethyl)ether	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
Bis(2-ethylhexyl)phthalate	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
4-Bromophenyl phenyl ether	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
Butyl benzyl phthalate	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
2-Chloronaphthalene	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
4-Chlorophenyl phenyl ether	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
Chrysene	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
Dibenzo (ah) anthracene	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
1,2-Dichlorobenzene	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
1,3-Dichlorobenzene	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
1,4-Dichlorobenzene	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
3,3-Dichlorobenzidine	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
Diethyl Phthalate	**0.335 mg/Kg**	**0.175 mg/Kg**	**8270C**	**02/23/09 18:17**	**K. Shinn**
Dimethyl Phthalate	**0.617 mg/Kg**	**0.175 mg/Kg**	**8270C**	**02/23/09 18:17**	**K. Shinn**
Di-n-butyl Phthalate	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
2,4-Dinitrotoluene	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
2,6-Dinitrotoluene	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
Di-n-octyl Phthalate	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
1,2-Diphenylhydrazine	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
Fluoranthene	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
Fluorene	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
Hexachlorobenzene	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
Hexachlorobutadiene	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
Hexachlorocyclopentadiene	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
Hexachloroethane	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn

CORNERSTONE LABORATORIES, LLC

UNITED STATES ENVIRONMENTAL SERVICES, LLC. February 24, 2009

ACCOUNT #: 01-0303 REPORT NUMBER: 054-09-019

USES REFERENCE: Project# 070-09-0028.

Certificate of Base/Neutral Extractables by GC/MS (Cont.)

Laboratory Number: 57410 **Sample ID: E^2M-4**

Compound	Result	Quantitation Limit	Method	Date/Time Analyzed	Analyst
Indeno (123cd) pyrene	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
Isophorone	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
Naphthalene	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
Nitrobenzene	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
N-Nitrosodimethylamine	<0.500 mg/Kg	0.500 mg/Kg	8270C	02/23/09 18:17	K. Shinn
N-Nitrosodi-n-propylamine	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
N-Nitrosodiphenylamine	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
Phenanthrene	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
Pyrene	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
1,2,4-Trichlorobenzene	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn

Certificate of Acid Extractable Organics by GC/MS

Laboratory Number: 57410 **Sample ID: E^2M-4**

Compound	Result	Quantitation Limit	Method	Date/Time Analyzed	Analyst
2,4,6-Trichlorophenol	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
2-Chlorophenol	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
2,4,5-Trichlorophenol	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
2,4-Dichlorophenol	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
2,4-Dimethylphenol	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
2-Nitrophenol	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
4-Chlorophenol	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
2,6-Dichlorophenol	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
3,4-Dichlorophenol	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
4-Nitrophenol	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
2,4-Dinitrophenol	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
4,6-Dinitro-o-cresol	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
Pentachlorophenol	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
3-Chlorophenol	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
2,3-Dichlorophenol	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn

CORNERSTONE LABORATORIES, LLC

UNITED STATES ENVIRONMENTAL SERVICES, LLC. February 24, 2009

ACCOUNT #: 01-0303 REPORT NUMBER: 054-09-019

USES REFERENCE: Project# 070-09-0028.

Certificate of Acid Extractable Organics by GC/MS (Cont.)

Laboratory Number: 57410 **Sample ID: E^2M-4**

Compound	Result	Quantitation Limit	Method	Date/Time Analyzed	Analyst
2,5-Dichlorophenol	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
2-Methylphenol	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
3-Methylphenol	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn
4-Methylphenol	<0.175 mg/Kg	0.175 mg/Kg	8270C	02/23/09 18:17	K. Shinn

Certificate of Organochlorine Pesticides Analysis

Laboratory Number: 57410 **Sample ID: E^2M-4**

Compound	Result	Quantitation Limit	Method	Date/Time Analyzed	Analyst
Aldrin	<0.005 mg/Kg	0.005 mg/Kg	8081B	02/24/09 12:03	K. Shinn
Alpha-BHC	<0.005 mg/Kg	0.005 mg/Kg	8081B	02/24/09 12:03	K. Shinn
Beta-BHC	<0.005 mg/Kg	0.005 mg/Kg	8081B	02/24/09 12:03	K. Shinn
Gamma-BHC	<0.005 mg/Kg	0.005 mg/Kg	8081B	02/24/09 12:03	K. Shinn
Chlordane (Total)	<0.010 mg/Kg	0.010 mg/Kg	8081B	02/24/09 12:03	K. Shinn
4',4'-DDT	<0.005 mg/Kg	0.005 mg/Kg	8081B	02/24/09 12:03	K. Shinn
4',4'-DDE	<0.005 mg/Kg	0.005 mg/Kg	8081B	02/24/09 12:03	K. Shinn
4',4'-DDD	<0.005 mg/Kg	0.005 mg/Kg	8081B	02/24/09 12:03	K. Shinn
Dieldrin	<0.005 mg/Kg	0.005 mg/Kg	8081B	02/24/09 12:03	K. Shinn
Alpha-Endosulfan	<0.005 mg/Kg	0.005 mg/Kg	8081B	02/24/09 12:03	K. Shinn
Beta-Endosulfan	<0.005 mg/Kg	0.005 mg/Kg	8081B	02/24/09 12:03	K. Shinn
Endosulfan Sulfate	<0.005 mg/Kg	0.005 mg/Kg	8081B	02/24/09 12:03	K. Shinn
Endrin	<0.005 mg/Kg	0.005 mg/Kg	8081B	02/24/09 12:03	K. Shinn
Methoxychlor	<0.005 mg/Kg	0.005 mg/Kg	8081B	02/24/09 12:03	K. Shinn
Heptachlor	<0.005 mg/Kg	0.005 mg/Kg	8081B	02/24/09 12:03	K. Shinn
Toxaphene	<0.100 mg/Kg	0.100 mg/Kg	8081B	02/24/09 12:03	K. Shinn
PCB's (Total)	<10.0 mg/Kg	10.0 mg/Kg	8081B	02/24/09 12:03	K. Shinn

10001493

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www.etcmemphis.com 2790 Whitten Road Memphis Tennessee 38133 (901) 213-2400 Fax (901) 213-2440
"A Laboratory Management Partner"

5/21/2009

Hepaco, Inc.
Mr. David Moore
731 East Brooks Road
Memphis, TN, 38116

Ref. Analytical Testing
Report Number: 09-133-0233
Project Description: e2m Defense Depot Backfill

Dear Mr. David Moore:

Environmental Testing and Consulting, Inc. received 2 sample(s) on 5/13/2009 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in our laboratory in accordance with Standard Methods, The Solid Waste Manual SW-846, EPA Methods for Chemical Analysis of Water and Wastes and /or 40 CFR part 136.

The EPA requires that water samples analyzed for pH, dissolved oxygen and total residual chlorine be analyzed in the field. Analyses and results reported which do not indicate "Field" for these parameters were analyzed outside the holding time as specified in Table II of 40 CFR Part 136.3.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, instrumentation maintenance and calibration were performed in accordance with guidelines established by the USEPA and NELAP.

The results are shown on the attached analysis sheet(s).

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,

Randall H. Thomas

Randy Thomas
Project Manager

Alabama	#40750	Louisiana	#04015	Florida	#E87943	California	#05240CA
Arkansas	#88-0650	Mississippi		Pennsylvania	#68-3195	Texas	#T104704180-05-TX
Illinois	#200015	Oklahoma	#9311	USDA	#S-46279		
Kentucky	#90047	Tennessee	#02027	EPA	#TN00012		
Kentucky UST	#41	Virginia	#00106	NELAP	#100456		

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05586
Hepaco, Inc.
Mr. David Moore
731 East Brooks Road
Memphis , TN 38116

Project ID :
Description : e2m Defense Depot Backfill
Project # 9520127

Report Date : 5/21/2009

Report Number : **09-133-0233**

REPORT OF ANALYSIS

Received : 5/13/2009

Lab No : **65107**
Sample ID : **Pit 001**

Matrix: **Solids**
Sampled: **5/12/2009 17:00**

Test	Results	Units	MQL	Date / Time Analyzed	By	Analytical Method
Total Selenium	**0.528**	mg/Kg	0.469	05/15/09 23:44	NP	SW-6010B
Total Lead	**7.84**	mg/Kg	0.281	05/15/09 23:44	NP	SW-6010B
Total Mercury	**0.01271**	mg/Kg	0.00640	05/20/09 11:10	TDJ	SW-7471A
Total Cadmium	<0.093	mg/Kg	0.093	05/15/09 23:44	NP	SW-6010B
Total Arsenic	**2.66**	mg/Kg	0.469	05/15/09 23:44	NP	SW-6010B
Total Chromium	**5.24**	mg/Kg	0.234	05/15/09 23:44	NP	SW-6010B
Total Silver	<0.234	mg/Kg	0.234	05/15/09 23:44	NP	SW-6010B
Total Barium	**75.8**	mg/Kg	2.35	05/19/09 14:53	JTR	SW-6010B

Lab No : **65108**
Sample ID : **Pit 002**

Matrix: **Solids**
Sampled: **5/12/2009 17:00**

Test	Results	Units	MQL	Date / Time Analyzed	By	Analytical Method
Total Selenium	**0.528**	mg/Kg	0.488	05/15/09 23:50	NP	SW-6010B
Total Lead	**6.48**	mg/Kg	0.293	05/15/09 23:50	NP	SW-6010B
Total Mercury	**0.01702**	mg/Kg	0.00620	05/20/09 11:10	TDJ	SW-7471A
Total Cadmium	<0.097	mg/Kg	0.097	05/15/09 23:50	NP	SW-6010B
Total Arsenic	**4.79**	mg/Kg	0.488	05/15/09 23:50	NP	SW-6010B
Total Chromium	**8.98**	mg/Kg	0.244	05/15/09 23:50	NP	SW-6010B
Total Silver	<0.244	mg/Kg	0.244	05/15/09 23:50	NP	SW-6010B
Total Barium	**62.8**	mg/Kg	2.44	05/18/09 17:38	JTR	SW-6010B

Qualifiers/ Definitions MQL Method Quantitation Limit

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CLIENT:	Hepaco, Inc.	**CASE NARRATIVE**
Project:	e2M Defense Depot Backfill	**Date: 05/21/09**
Lab Order Number:	09-133-0233	ETCAL

Volatile Organics by Method 8260B

Surrogate Recovery Failure
Surrogates were flagged for recoveries outside QC limits in one of the associated project samples. One surrogate exhibited a slightly high bias and all compounds were not detected. The high recovery had no impact on the data. Batch QC samples (method blank and laboratory control samples) all showed surrogates within QC limits indicating that failing recoveries were due to the sample matrix.

Herbicides by Method 8151A

Confirmation Analyses
Compounds were detected in both the primary and confirmatory analyses, with a relative percent difference of greater than 40%. In all cases the higher of the two detected values were used for reporting purposes. All data is flagged with the data qualifier Q, to indicate the high RPD.

Laboratory Control Sample
Alkaline hydrolysis and subsequent extraction of the basic solution removes many chlorinated hydrocarbons and phthalate esters that might otherwise interfere with the electron capture analysis. However, hydrolysis may result in the loss of dinoseb. 8151. All data for this target analyte is flagged with the data qualifier M, to indicate a potential minimum value.

Method Blank
The following analyte(s) was identified in one of the method blanks associated with these samples. The value in parentheses () indicates the 20x value. Per laboratory protocol, any associated sample result within 20 times these levels (20x value) is flagged "B" to indicate that it was detected in the method blank.

MCPA 2890 ug/kg (57800 ug/kg)

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Hepaco, Inc.
731 East Brooks Road

Memphis, TN 38116

Project Description **e2M Defense Depot Backfill**
Project No. **9520127**

Lab Order Number **09-133-0233**
Lab ID **0905169-001A**
Field ID **Pit 001**
Sample Number **65107**

Report of Analysis

Received **05/13/09**
Matrix **Soil**
Sampled **05/12/09 0:00**

Analytical Method 8260B

Prep Method 5030A **Prep Batch(s)** 24659 **Date/Time Prepped** 05/21/09 8:13

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Acetone	< 40.0	µg/Kg	40.0	1	05/21/09 12:19	VS	39231
Acetonitrile	< 100	µg/Kg	100	1	05/21/09 12:19	VS	39231
Acrolein	< 40.0	µg/Kg	40.0	1	05/21/09 12:19	VS	39231
Acrylonitrile	< 40.0	µg/Kg	40 0	1	05/21/09 12.19	VS	39231
Benzene	< 2.00	µg/Kg	2 00	1	05/21/09 12:19	VS	39231
Bromobenzene	< 2.00	µg/Kg	2 00	1	05/21/09 12:19	VS	39231
Bromochloromethane	< 2.00	µg/Kg	2 00	1	05/21/09 12 19	VS	39231
Bromodichloromethane	< 2.00	µg/Kg	2.00	1	05/21/09 12.19	VS	39231
Bromoform	< 2.00	µg/Kg	2 00	1	05/21/09 12 19	VS	39231
Bromomethane	< 2.00	µg/Kg	2.00	1	05/21/09 12.19	VS	39231
n-Butylbenzene	< 2.00	µg/Kg	2.00	1	05/21/09 12.19	VS	39231
sec-Butylbenzene	< 2.00	µg/Kg	2 00	1	05/21/09 12:19	VS	39231
tert-Butylbenzene	< 2.00	µg/Kg	2 00	1	05/21/09 12:19	VS	39231
2-Butanone (MEK)	< 40 0	µg/Kg	40.0	1	05/21/09 12:19	VS	39231
Carbon disulfide	< 2.00	µg/Kg	2 00	1	05/21/09 12.19	VS	39231
Carbon tetrachloride	< 2.00	µg/Kg	2 00	1	05/21/09 12:19	VS	39231
Chlorobenzene	< 2.00	µg/Kg	2 00	1	05/21/09 12:19	VS	39231
Chlorodibromomethane	< 2.00	µg/Kg	2 00	1	05/21/09 12:19	VS	39231
Chloroethane	< 2.00	µg/Kg	2 00	1	05/21/09 12:19	VS	39231
Chloroform	< 2.00	µg/Kg	2.00	1	05/21/09 12:19	VS	39231
Chloromethane	< 2.00	µg/Kg	2.00	1	05/21/09 12:19	VS	39231
2-Chlorotoluene	< 2 00	µg/Kg	2.00	1	05/21/09 12:19	VS	39231
4-Chlorotoluene	< 2 00	µg/Kg	2.00	1	05/21/09 12:19	VS	39231
1,2-Dibromo-3-chloropropane	< 10 0	µg/Kg	10 0	1	05/21/09 12:19	VS	39231
1,2-Dibromoethane	< 2 00	µg/Kg	2 00	1	05/21/09 12:19	VS	39231
Dibromomethane	< 2 00	µg/Kg	2 00	1	05/21/09 12.19	VS	39231
1,2-Dichlorobenzene	< 2.00	µg/Kg	2.00	1	05/21/09 12:19	VS	39231

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*1	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/21/09 5586 HEPACO

10001497

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Hepaco, Inc.
731 East Brooks Road

Memphis, TN 38116

Project Description **e2M Defense Depot Backfill**
Project No. **9520127**

Lab Order Number **09-133-0233**
Lab ID **0905169-001A**
Field ID **Pit 001**
Sample Number **65107**

Report of Analysis

Received **05/13/09**
Matrix **Soil**
Sampled **05/12/09 0:00**

Analytical Method 8260B

Prep Method 5030A **Prep Batch(s)** 24659 **Date/Time Prepped** 05/21/09 8:13

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
1,3-Dichlorobenzene	< 2.00	µg/Kg	2 00	1	05/21/09 12:19	VS	39231
1,4-Dichlorobenzene	< 2 00	µg/Kg	2.00	1	05/21/09 12:19	VS	39231
Dichlorodifluoromethane	< 2.00	µg/Kg	2 00	1	05/21/09 12:19	VS	39231
1,1-Dichloroethane	< 2.00	µg/Kg	2.00	1	05/21/09 12:19	VS	39231
1,2-Dichloroethane	< 2.00	µg/Kg	2.00	1	05/21/09 12:19	VS	39231
1,1-Dichloroethene	< 2.00	µg/Kg	2.00	1	05/21/09 12.19	VS	39231
cis-1,2-Dichloroethene	< 2 00	µg/Kg	2.00	1	05/21/09 12 19	VS	39231
trans-1,2-Dichloroethene	< 2.00	µg/Kg	2.00	1	05/21/09 12 19	VS	39231
1,2-Dichloropropane	< 2.00	µg/Kg	2 00	1	05/21/09 12 19	VS	39231
1,3-Dichloropropane	< 2.00	µg/Kg	2 00	1	05/21/09 12.19	VS	39231
2,2-Dichloropropane	< 2.00	µg/Kg	2.00	1	05/21/09 12:19	VS	39231
1,1-Dichloropropene	< 2 00	µg/Kg	2 00	1	05/21/09 12.19	VS	39231
cis-1,3-Dichloropropene	< 2 00	µg/Kg	2 00	1	05/21/09 12:19	VS	39231
trans-1,3-Dichloropropene	< 2.00	µg/Kg	2 00	1	05/21/09 12:19	VS	39231
Ethyl acetate	< 20.0	µg/Kg	20 0	1	05/21/09 12:19	VS	39231
Ethylbenzene	< 2.00	µg/Kg	2.00	1	05/21/09 12:19	VS	39231
Hexachlorobutadiene	< 2 00	µg/Kg	2.00	1	05/21/09 12 19	VS	39231
2-Hexanone	< 10 0	µg/Kg	10 0	1	05/21/09 12.19	VS	39231
Iodomethane	< 10 0	µg/Kg	10 0	1	05/21/09 12 19	VS	39231
Isopropylbenzene	< 2.00	µg/Kg	2 00	1	05/21/09 12.19	VS	39231
4-Isopropyltoluene	< 2 00	µg/Kg	2 00	1	05/21/09 12.19	VS	39231
Methylene chloride	< 20.0	µg/Kg	20.0	1	05/21/09 12:19	VS	39231
4-Methyl-2-pentanone	< 10.0	µg/Kg	10 0	1	05/21/09 12 19	VS	39231
Methyl tert-butyl ether	< 2.00	µg/Kg	2 00	1	05/21/09 12.19	VS	39231
Naphthalene	< 10 0	µg/Kg	10 0	1	05/21/09 12:19	VS	39231
n-Propylbenzene	< 2.00	µg/Kg	2 00	1	05/21/09 12:19	VS	39231
Styrene	< 2 00	µg/Kg	2 00	1	05/21/09 12.19	VS	39231

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/21/09 5586 HEPACO

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Hepaco, Inc.
731 East Brooks Road

Memphis, TN 38116

Project **e2M Defense Depot**
Description **Backfill**
Project No. **9520127**

Lab Order Number **09-133-0233**
Lab ID **0905169-001A**
Field ID **Pit 001**
Sample Number **65107**

Report of Analysis

Received **05/13/09**
Matrix **Soil**
Sampled **05/12/09 0:00**

Analytical Method 8260B

Prep Method 5030A **Prep Batch(s)** 24659 **Date/Time Prepped** 05/21/09 8:13

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
1,1,1,2-Tetrachloroethane	< 2.00	µg/Kg	2.00	1	05/21/09 12:19	VS	39231
1,1,2,2-Tetrachloroethane	< 2.00	µg/Kg	2 00	1	05/21/09 12 19	VS	39231
Tetrachloroethene	< 2 00	µg/Kg	2.00	1	05/21/09 12.19	VS	39231
Toluene	< 10 0	µg/Kg	10.0	1	05/21/09 12:19	VS	39231
1,2,3-Trichlorobenzene	< 2.00	µg/Kg	2.00	1	05/21/09 12:19	VS	39231
1,2,4-Trichlorobenzene	< 2.00	µg/Kg	2.00	1	05/21/09 12:19	VS	39231
1,1,1-Trichloroethane	< 2 00	µg/Kg	2.00	1	05/21/09 12.19	VS	39231
1,1,2-Trichloroethane	< 2 00	µg/Kg	2.00	1	05/21/09 12:19	VS	39231
Trichloroethene	< 2 00	µg/Kg	2.00	1	05/21/09 12:19	VS	39231
Trichlorofluoromethane	< 2 00	µg/Kg	2.00	1	05/21/09 12:19	VS	39231
1,2,3-Trichloropropane	< 2.00	µg/Kg	2.00	1	05/21/09 12:19	VS	39231
1,2,4-Trimethylbenzene	< 2.00	µg/Kg	2 00	1	05/21/09 12:19	VS	39231
1,3,5-Trimethylbenzene	< 2.00	µg/Kg	2.00	1	05/21/09 12:19	VS	39231
Vinyl acetate	< 20 0	µg/Kg	20 0	1	05/21/09 12:19	VS	39231
Vinyl chloride	< 2.00	µg/Kg	2 00	1	05/21/09 12:19	VS	39231
m,p-Xylene	< 4.00	µg/Kg	4.00	1	05/21/09 12:19	VS	39231
o-Xylene	< 2.00	µg/Kg	2 00	1	05/21/09 12:19	VS	39231
Surrogate: Dibromofluoromethane		119 %	Limits: 75-120	1	05/21/09 12:19	VS	39231
Surrogate: Toluene-d8		103 %	Limits 79-122	1	05/21/09 12 19	VS	39231
Surrogate: 4-Bromofluorobenzene		95 %	Limits 86-128	1	05/21/09 12.19	VS	39231
Surrogate: **1,2-Dichloroethane-d4**		**134 % ***	Limits **71-132**	**1**	**05/21/09 12:19**	**VS**	**39231**

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*1	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

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10001499

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"A Laboratory Management Partner"

Hepaco, Inc.
731 East Brooks Road

Memphis, TN 38116

Project Description **e2M Defense Depot Backfill**

Project No. **9520127**

Lab Order Number **09-133-0233**
Lab ID **0905169-001B**
Field ID **Pit 001**
Sample Number **65107**

Report of Analysis

Received **05/13/09**
Matrix **Soil**
Sampled **05/12/09 0:00**

Analytical Method 8081A

Prep Method 3550B **Prep Batch(s)** 24569 **Date/Time Prepped** 05/14/09 11.19

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Aldrin	< 2.00	µg/Kg	2 00	10	05/20/09 0:03	DPC	39221
alpha-BHC	< 2.00	µg/Kg	2.00	10	05/20/09 0:03	DPC	39221
beta-BHC	< 2 00	µg/Kg	2.00	10	05/20/09 0.03	DPC	39221
delta-BHC	< 2 00	µg/Kg	2.00	10	05/20/09 0 03	DPC	39221
gamma-BHC	< 2.00	µg/Kg	2 00	10	05/20/09 0.03	DPC	39221
alpha-Chlordane	< 2.00	µg/Kg	2 00	10	05/20/09 0.03	DPC	39221
gamma-Chlordane	< 2.00	µg/Kg	2 00	10	05/20/09 0 03	DPC	39221
Chlordane	< 20.0	µg/Kg	20.0	10	05/20/09 0.03	DPC	39221
4,4'-DDD	< 2.00	µg/Kg	2 00	10	05/20/09 0:03	DPC	39221
4,4'-DDE	< 2.00	µg/Kg	2 00	10	05/20/09 0:03	DPC	39221
4,4'-DDT	< 2 00	µg/Kg	2 00	10	05/20/09 0:03	DPC	39221
Dieldrin	< 2.00	µg/Kg	2.00	10	05/20/09 0:03	DPC	39221
Endosulfan I	< 2 00	µg/Kg	2.00	10	05/20/09 0 03	DPC	39221
Endosulfan II	< 2.00	µg/Kg	2.00	10	05/20/09 0 03	DPC	39221
Endosulfan sulfate	< 2.00	µg/Kg	2 00	10	05/20/09 0 03	DPC	39221
Endrin	< 2.00	µg/Kg	2 00	10	05/20/09 0:03	DPC	39221
Endrin aldehyde	< 2.00	µg/Kg	2.00	10	05/20/09 0:03	DPC	39221
Endrin ketone	< 2.00	µg/Kg	2 00	10	05/20/09 0:03	DPC	39221
Heptachlor	< 2.00	µg/Kg	2.00	10	05/20/09 0:03	DPC	39221
Heptachlor epoxide	< 2 00	µg/Kg	2.00	10	05/20/09 0 03	DPC	39221
Methoxychlor	< 2 00	µg/Kg	2.00	10	05/20/09 0 03	DPC	39221
Mirex	< 2.00	µg/Kg	2 00	10	05/20/09 0 03	DPC	39221
Toxaphene	< 200	µg/Kg	200	10	05/20/09 0.03	DPC	39221
Surrogate. Decachlorobiphenyl		97 %	Limits 37-165	10	05/20/09 0.03	DPC	39221
Surrogate. Tetrachloro-m-xylene		60 %	Limits 18-158	10	05/20/09 0:03	DPC	39221

Qualifiers/ Definitions				
	*	Surrogate Recovery outside accepted limits	*1	Recoveries affected by interferences or high background
	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
	J	Estimated Value Analyte below reported detection limit	M	Minimum value
	MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
	MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
	Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/21/09 5586 HEPACO

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Hepaco, Inc.
731 East Brooks Road

Memphis, TN 38116

Project Description **e2M Defense Depot Backfill**
Project No. **9520127**

Lab Order Number **09-133-0233**
Lab ID **0905169-001B**
Field ID **Pit 001**
Sample Number **65107**

Report of Analysis

Received **05/13/09**
Matrix **Soil**
Sampled **05/12/09 0:00**

Analytical Method 8082

Prep Method 3550B **Prep Batch(s)** 24570 **Date/Time Prepped** 05/14/09 11:22

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Aroclor 1016	< 35 0	µg/Kg	35.0	1	05/20/09 19:46	DPC	39243
Aroclor 1221	< 35.0	µg/Kg	35.0	1	05/20/09 19:46	DPC	39243
Aroclor 1232	< 35.0	µg/Kg	35.0	1	05/20/09 19:46	DPC	39243
Aroclor 1242	< 35.0	µg/Kg	35.0	1	05/20/09 19:46	DPC	39243
Aroclor 1248	< 35 0	µg/Kg	35.0	1	05/20/09 19:46	DPC	39243
Aroclor 1254	< 35.0	µg/Kg	35.0	1	05/20/09 19:46	DPC	39243
Aroclor 1260	< 35.0	µg/Kg	35.0	1	05/20/09 19:46	DPC	39243
Surrogate: Decachlorobiphenyl		54 %	Limits: 17-141	1	05/20/09 19:46	DPC	39243
Surrogate: Tetrachloro-m-xylene		55 %	Limits: 20-122	1	05/20/09 19:46	DPC	39243

Qualifiers/ Definitions				
	*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
	J	Estimated Value Analyte below reported detection limit	M	Minimum value
	MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
	MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
	Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/21/09 5586 HEPACO

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Memphis, TN 38116

Project **e2M Defense Depot**
Description **Backfill**
Project No. **9520127**

Lab Order Number **09-133-0233**
Lab ID **0905169-001B**
Field ID **Pit 001**
Sample Number **65107**

Report of Analysis

Received **05/13/09**
Matrix **Soil**
Sampled **05/12/09 0:00**

Analytical Method 8151A

Prep Method 8151A **Prep Batch(s)** 24564 **Date/Time Prepped** 05/14/09 8.49

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
2,4-D	< 30.0	µg/Kg	30 0	1	05/19/09 22:15	DPC	39210
2,4-DB	< 20 0	µg/Kg	20.0	1	05/19/09 22:15	DPC	39210
2,4,5-TP (Silvex)	< 1 00	µg/Kg	1.00	1	05/19/09 22:15	DPC	39210
2,4,5-T	< 5.00	µg/Kg	5.00	1	05/19/09 22 15	DPC	39210
Dalapon	< 60.0	µg/Kg	60.0	1	05/19/09 22:15	DPC	39210
Dicamba	< 20.0	µg/Kg	20.0	1	05/19/09 22.15	DPC	39210
Dichlorprop	< 10.0	µg/Kg	10.0	1	05/19/09 22:15	DPC	39210
Dinoseb	< 15 0 M	µg/Kg	15 0	1	05/19/09 22:15	DPC	39210
MCPA	**2,770 B**	**µg/Kg**	**510**	**1**	**05/19/09 22:15**	**DPC**	**39210**
MCPP	**1,410 Q**	**µg/Kg**	**1,000**	**1**	**05/19/09 22:15**	**DPC**	**39210**
Picloram	< 10 0	µg/Kg	10.0	1	05/19/09 22 15	DPC	39210
Surrogate: DCAA		49 %	Limits: 20-150	1	05/19/09 22:15	DPC	39210

Qualifiers/ Definitions					
	*	Surrogate Recovery outside accepted limits	*I	Recoveries affected by interferences or high background
	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
	J	Estimated Value Analyte below reported detection limit	M	Minimum value
	MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
	MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
	Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

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Project **e2M Defense Depot**
Description **Backfill**
Project No. **9520127**

Lab Order Number **09-133-0233**
Lab ID **0905169-001B**
Field ID **Pit 001**
Sample Number **65107**

Report of Analysis

Received **05/13/09**
Matrix **Soil**
Sampled **05/12/09 0:00**

Analytical Method 8270C

Prep Method 3550B **Prep Batch(s)** 24584 **Date/Time Prepped** 05/15/09 11.57

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Acenaphthene	< 66.7	µg/Kg	66 7	1	05/21/09 15:29	LD1	39201
Acenaphthylene	< 66 7	µg/Kg	66 7	1	05/21/09 15:29	LD1	39201
Acetophenone	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
Aniline	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
Anthracene	< 66 7	µg/Kg	66 7	1	05/21/09 15.29	LD1	39201
Benzidine	< 670 M	µg/Kg	670	1	05/21/09 15:29	LD1	39201
Benzo(a)anthracene	< 66.7	µg/Kg	66.7	1	05/21/09 15:29	LD1	39201
Benzo(b)fluoranthene	< 66 7	µg/Kg	66.7	1	05/21/09 15.29	LD1	39201
Benzo(k)fluoranthene	< 66 7	µg/Kg	66.7	1	05/21/09 15.29	LD1	39201
Benzo(g,h,i)perylene	< 66.7	µg/Kg	66 7	1	05/21/09 15:29	LD1	39201
Benzo(a)pyrene	< 66.7	µg/Kg	66.7	1	05/21/09 15:29	LD1	39201
Benzoic acid	< 330	µg/Kg	330	1	05/21/09 15:29	LD1	39201
Benzyl alcohol	< 330	µg/Kg	330	1	05/21/09 15:29	LD1	39201
Bis(2-chloroethyl)ether	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
Bis(2-chloroethoxy)methane	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
Bis(2-chloroisopropyl)ether	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
Bis(2-ethylhexyl)phthalate	< 330	µg/Kg	330	1	05/21/09 15 29	LD1	39201
4-Bromophenyl phenyl ether	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
Butyl benzyl phthalate	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
Carbazole	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
4-Chloroaniline	< 170	µg/Kg	170	1	05/21/09 15 29	LD1	39201
4-Chloro-3-methylphenol	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
2-Chloronaphthalene	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
2-Chlorophenol	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
4-Chlorophenyl phenyl ether	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
Chrysene	< 66 7	µg/Kg	66.7	1	05/21/09 15:29	LD1	39201
Dibenz(a,h)anthracene	< 66 7	µg/Kg	66.7	1	05/21/09 15:29	LD1	39201

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*1	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/21/09 5586 HEPACO

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731 East Brooks Road

Memphis, TN 38116

Project Description **e2M Defense Depot Backfill**
Project No. **9520127**

Lab Order Number **09-133-0233**
Lab ID **0905169-001B**
Field ID **Pit 001**
Sample Number **65107**

Report of Analysis

Received **05/13/09**
Matrix **Soil**
Sampled **05/12/09 0:00**

Analytical Method 8270C

Prep Method 3550B **Prep Batch(s)** 24584 **Date/Time Prepped** 05/15/09 11.57

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Dibenzofuran	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
1,2-Dichlorobenzene	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
1,3-Dichlorobenzene	< 170	µg/Kg	170	1	05/21/09 15.29	LD1	39201
1,4-Dichlorobenzene	< 170	µg/Kg	170	1	05/21/09 15 29	LD1	39201
Di-n-butyl phthalate	< 170	µg/Kg	170	1	05/21/09 15.29	LD1	39201
3,3'-Dichlorobenzidine	< 330	µg/Kg	330	1	05/21/09 15:29	LD1	39201
2,4-Dichlorophenol	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
2,6-Dichlorophenol	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
Dichlorophenols (Total)	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
Diethyl phthalate	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
3,3'-Dimethylbenzidine	< 330 M	µg/Kg	330	1	05/21/09 15:29	LD1	39201
2,4-Dimethylphenol	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
Dimethyl phthalate	< 170	µg/Kg	170	1	05/21/09 15 29	LD1	39201
4,6-Dinitro-2-methylphenol	< 330	µg/Kg	330	1	05/21/09 15.29	LD1	39201
2,4-Dinitrophenol	< 1,670	µg/Kg	1,670	1	05/21/09 15 29	LD1	39201
2,4-Dinitrotoluene	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
2,6-Dinitrotoluene	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
Di-n-octyl phthalate	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
Fluoranthene	< 66 7	µg/Kg	66 7	1	05/21/09 15 29	LD1	39201
Fluorene	< 66.7	µg/Kg	66.7	1	05/21/09 15 29	LD1	39201
Hexachlorobenzene	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
Hexachlorobutadiene	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
Hexachlorocyclopentadiene	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
Hexachloroethane	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
Indeno(1,2,3-cd)pyrene	< 66 7	µg/Kg	66 7	1	05/21/09 15:29	LD1	39201
Isophorone	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
2-Methylnaphthalene	< 66 7	µg/Kg	66.7	1	05/21/09 15 29	LD1	39201

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/21/09 5586 HEPACO

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Memphis, TN 38116

Project **e2M Defense Depot**
Description **Backfill**
Project No **9520127**

Lab Order Number **09-133-0233**
Lab ID **0905169-001B**
Field ID **Pit 001**
Sample Number **65107**

Report of Analysis

Received **05/13/09**
Matrix **Soil**
Sampled **05/12/09 0:00**

Analytical Method 8270C

Prep Method 3550B **Prep Batch(s)** 24584 **Date/Time Prepped** 05/15/09 11:57

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
2-Methylphenol	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
3&4-Methylphenol	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
Naphthalene	< 66 7	µg/Kg	66.7	1	05/21/09 15:29	LD1	39201
2-Nitroaniline	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
3-Nitroaniline	< 330	µg/Kg	330	1	05/21/09 15:29	LD1	39201
4-Nitroaniline	< 170	µg/Kg	170	1	05/21/09 15.29	LD1	39201
Nitrobenzene	< 170	µg/Kg	170	1	05/21/09 15.29	LD1	39201
2-Nitrophenol	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
4-Nitrophenol	< 660	µg/Kg	660	1	05/21/09 15:29	LD1	39201
N-Nitroso-di-n-butylamine	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
N-Nitrosodiethylamine	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
N-Nitrosodimethylamine	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
N-Nitrosodiphenylamine	< 330	µg/Kg	330	1	05/21/09 15:29	LD1	39201
N-Nitrosodi-n-propylamine	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
Pentachlorophenol	< 330	µg/Kg	330	1	05/21/09 15 29	LD1	39201
Phenanthrene	< 66 7	µg/Kg	66 7	1	05/21/09 15 29	LD1	39201
Phenol	< 170	µg/Kg	170	1	05/21/09 15 29	LD1	39201
Pyrene	< 66.7	µg/Kg	66.7	1	05/21/09 15.29	LD1	39201
Pyridine	< 330	µg/Kg	330	1	05/21/09 15.29	LD1	39201
1,2,3,4-Tetrachlorobenzene	< 66 7	µg/Kg	66 7	1	05/21/09 15:29	LD1	39201
1,2,4,5-Tetrachlorobenzene	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
2,3,4,6-Tetrachlorophenol	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
Tetrachlorophenols (Total)	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
1,2,4-Trichlorobenzene	< 170	µg/Kg	170	1	05/21/09 15.29	LD1	39201
2,4,5-Trichlorophenol	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
2,4,6-Trichlorophenol	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201
Trichlorophenols (Total)	< 170	µg/Kg	170	1	05/21/09 15:29	LD1	39201

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*1	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/21/09 5586 HEPACO

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Hepaco, Inc.
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Memphis, TN 38116

Project Description **e2M Defense Depot Backfill**
Project No. **9520127**

Lab Order Number **09-133-0233**
Lab ID **0905169-001B**
Field ID **Pit 001**
Sample Number **65107**

Report of Analysis

Received **05/13/09**
Matrix **Soil**
Sampled **05/12/09 0:00**

Analytical Method 8270C

Prep Method 3550B **Prep Batch(s)** 24584 **Date/Time Prepped** 05/15/09 11:57

Compound		Result	Units		MQL	DF	Date/Time Analyzed	By	Analytical Batch
Surrogate	Nitrobenzene-d5		44 %	Limits	25-110	1	05/21/09 15:29	LD1	39201
Surrogate:	2-Fluorobiphenyl		40 %	Limits:	33-114	1	05/21/09 15:29	LD1	39201
Surrogate:	4-Terphenyl-d14		56 %	Limits	37-115	1	05/21/09 15:29	LD1	39201
Surrogate:	Phenol-d6		48 %	Limits	11-125	1	05/21/09 15:29	LD1	39201
Surrogate:	2,4,6-Tribromophenol		27 %	Limits:	9-134	1	05/21/09 15:29	LD1	39201
Surrogate:	2-Fluorophenol		39 %	Limits:	10-119	1	05/21/09 15:29	LD1	39201

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*1	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Detection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/21/09 5586 HEPACO

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Hepaco, Inc.
731 East Brooks Road

Memphis, TN 38116

Project Description **e2M Defense Depot Backfill**
Project No. **9520127**

Lab Order Number **09-133-0233**
Lab ID **0905169-002A**
Field ID **Pit 002**

Report of Analysis
Received **05/13/09**
Matrix **Soil**
Sampled **05/12/09 17:00**

Analytical Method 8260B

Prep Method 5030A **Prep Batch(s)** 24659 **Date/Time Prepped** 05/21/09 8:13

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Acetone	< 40.0	µg/Kg	40.0	1	05/21/09 12 54	VS	39231
Acetonitrile	< 100	µg/Kg	100	1	05/21/09 12.54	VS	39231
Acrolein	< 40.0	µg/Kg	40.0	1	05/21/09 12:54	VS	39231
Acrylonitrile	< 40.0	µg/Kg	40.0	1	05/21/09 12.54	VS	39231
Benzene	< 2 00	µg/Kg	2.00	1	05/21/09 12:54	VS	39231
Bromobenzene	< 2 00	µg/Kg	2.00	1	05/21/09 12:54	VS	39231
Bromochloromethane	< 2.00	µg/Kg	2 00	1	05/21/09 12:54	VS	39231
Bromodichloromethane	< 2.00	µg/Kg	2 00	1	05/21/09 12:54	VS	39231
Bromoform	< 2.00	µg/Kg	2.00	1	05/21/09 12:54	VS	39231
Bromomethane	< 2.00	µg/Kg	2.00	1	05/21/09 12:54	VS	39231
n-Butylbenzene	< 2.00	µg/Kg	2.00	1	05/21/09 12:54	VS	39231
sec-Butylbenzene	< 2.00	µg/Kg	2.00	1	05/21/09 12:54	VS	39231
tert-Butylbenzene	< 2.00	µg/Kg	2.00	1	05/21/09 12:54	VS	39231
2-Butanone (MEK)	< 40.0	µg/Kg	40.0	1	05/21/09 12 54	VS	39231
Carbon disulfide	< 2.00	µg/Kg	2 00	1	05/21/09 12:54	VS	39231
Carbon tetrachloride	< 2 00	µg/Kg	2 00	1	05/21/09 12:54	VS	39231
Chlorobenzene	< 2 00	µg/Kg	2 00	1	05/21/09 12:54	VS	39231
Chlorodibromomethane	< 2.00	µg/Kg	2.00	1	05/21/09 12.54	VS	39231
Chloroethane	< 2 00	µg/Kg	2.00	1	05/21/09 12:54	VS	39231
Chloroform	< 2.00	µg/Kg	2 00	1	05/21/09 12 54	VS	39231
Chloromethane	< 2.00	µg/Kg	2 00	1	05/21/09 12:54	VS	39231
2-Chlorotoluene	< 2 00	µg/Kg	2 00	1	05/21/09 12:54	VS	39231
4-Chlorotoluene	< 2.00	µg/Kg	2 00	1	05/21/09 12:54	VS	39231
1,2-Dibromo-3-chloropropane	< 10 0	µg/Kg	10.0	1	05/21/09 12.54	VS	39231
1,2-Dibromoethane	< 2.00	µg/Kg	2 00	1	05/21/09 12.54	VS	39231
Dibromomethane	< 2 00	µg/Kg	2.00	1	05/21/09 12 54	VS	39231
1,2-Dichlorobenzene	< 2 00	µg/Kg	2 00	1	05/21/09 12:54	VS	39231

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*1	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/21/09 5586 HEPACO

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731 East Brooks Road

Memphis, TN 38116

Project Description **e2M Defense Depot Backfill**
Project No. **9520127**

Lab Order Number **09-133-0233**
Lab ID **0905169-002A**
Field ID **Pit 002**

Report of Analysis

Received **05/13/09**
Matrix **Soil**
Sampled **05/12/09 17:00**

Analytical Method 8260B

Prep Method 5030A **Prep Batch(s)** 24659 **Date/Time Prepped** 05/21/09 8.13

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
1,3-Dichlorobenzene	< 2 00	µg/Kg	2.00	1	05/21/09 12.54	VS	39231
1,4-Dichlorobenzene	< 2 00	µg/Kg	2.00	1	05/21/09 12.54	VS	39231
Dichlorodifluoromethane	< 2 00	µg/Kg	2 00	1	05/21/09 12:54	VS	39231
1,1-Dichloroethane	< 2.00	µg/Kg	2.00	1	05/21/09 12:54	VS	39231
1,2-Dichloroethane	< 2.00	µg/Kg	2.00	1	05/21/09 12:54	VS	39231
1,1-Dichloroethene	< 2 00	µg/Kg	2.00	1	05/21/09 12:54	VS	39231
cis-1,2-Dichloroethene	< 2.00	µg/Kg	2 00	1	05/21/09 12:54	VS	39231
trans-1,2-Dichloroethene	< 2 00	µg/Kg	2 00	1	05/21/09 12:54	VS	39231
1,2-Dichloropropane	< 2.00	µg/Kg	2 00	1	05/21/09 12:54	VS	39231
1,3-Dichloropropane	< 2.00	µg/Kg	2.00	1	05/21/09 12.54	VS	39231
2,2-Dichloropropane	< 2.00	µg/Kg	2.00	1	05/21/09 12:54	VS	39231
1,1-Dichloropropene	< 2.00	µg/Kg	2 00	1	05/21/09 12 54	VS	39231
cis-1,3-Dichloropropene	< 2.00	µg/Kg	2.00	1	05/21/09 12:54	VS	39231
trans-1,3-Dichloropropene	< 2 00	µg/Kg	2 00	1	05/21/09 12:54	VS	39231
Ethyl acetate	< 20 0	µg/Kg	20.0	1	05/21/09 12:54	VS	39231
Ethylbenzene	< 2 00	µg/Kg	2.00	1	05/21/09 12:54	VS	39231
Hexachlorobutadiene	< 2 00	µg/Kg	2 00	1	05/21/09 12 54	VS	39231
2-Hexanone	< 10.0	µg/Kg	10.0	1	05/21/09 12 54	VS	39231
Iodomethane	< 10.0	µg/Kg	10.0	1	05/21/09 12:54	VS	39231
Isopropylbenzene	< 2.00	µg/Kg	2.00	1	05/21/09 12:54	VS	39231
4-Isopropyltoluene	< 2.00	µg/Kg	2.00	1	05/21/09 12 54	VS	39231
Methylene chloride	< 20.0	µg/Kg	20 0	1	05/21/09 12:54	VS	39231
4-Methyl-2-pentanone	< 10.0	µg/Kg	10 0	1	05/21/09 12 54	VS	39231
Methyl tert-butyl ether	< 2.00	µg/Kg	2 00	1	05/21/09 12:54	VS	39231
Naphthalene	< 10 0	µg/Kg	10 0	1	05/21/09 12:54	VS	39231
n-Propylbenzene	< 2 00	µg/Kg	2 00	1	05/21/09 12.54	VS	39231
Styrene	< 2 00	µg/Kg	2 00	1	05/21/09 12 54	VS	39231

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*1	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/21/09 5586 HEPACO

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Hepaco, Inc.
731 East Brooks Road

Memphis, TN 38116

Project Description **e2M Defense Depot Backfill**
Project No. **9520127**

Lab Order Number **09-133-0233**
Lab ID **0905169-002A**
Field ID **Pit 002**

Report of Analysis

Received **05/13/09**
Matrix **Soil**
Sampled **05/12/09 17:00**

Analytical Method 8260B

Prep Method 5030A **Prep Batch(s)** 24659 **Date/Time Prepped** 05/21/09 8:13

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
1,1,1,2-Tetrachloroethane	< 2.00	µg/Kg	2 00	1	05/21/09 12:54	VS	39231
1,1,2,2-Tetrachloroethane	< 2.00	µg/Kg	2 00	1	05/21/09 12:54	VS	39231
Tetrachloroethene	< 2.00	µg/Kg	2.00	1	05/21/09 12:54	VS	39231
Toluene	< 10 0	µg/Kg	10 0	1	05/21/09 12.54	VS	39231
1,2,3-Trichlorobenzene	< 2.00	µg/Kg	2.00	1	05/21/09 12:54	VS	39231
1,2,4-Trichlorobenzene	< 2.00	µg/Kg	2.00	1	05/21/09 12:54	VS	39231
1,1,1-Trichloroethane	< 2.00	µg/Kg	2.00	1	05/21/09 12:54	VS	39231
1,1,2-Trichloroethane	< 2.00	µg/Kg	2.00	1	05/21/09 12:54	VS	39231
Trichloroethene	< 2.00	µg/Kg	2.00	1	05/21/09 12:54	VS	39231
Trichlorofluoromethane	< 2.00	µg/Kg	2.00	1	05/21/09 12:54	VS	39231
1,2,3-Trichloropropane	< 2.00	µg/Kg	2 00	1	05/21/09 12 54	VS	39231
1,2,4-Trimethylbenzene	**2.03**	**µg/Kg**	**2.00**	**1**	**05/21/09 12:54**	**VS**	**39231**
1,3,5-Trimethylbenzene	< 2.00	µg/Kg	2 00	1	05/21/09 12:54	VS	39231
Vinyl acetate	< 20.0	µg/Kg	20 0	1	05/21/09 12.54	VS	39231
Vinyl chloride	< 2.00	µg/Kg	2.00	1	05/21/09 12.54	VS	39231
m,p-Xylene	**5.48**	**µg/Kg**	**4.00**	**1**	**05/21/09 12:54**	**VS**	**39231**
o-Xylene	**2.08**	**µg/Kg**	**2.00**	**1**	**05/21/09 12:54**	**VS**	**39231**
Surrogate: Dibromofluoromethane		108 %	Limits: 75-120	1	05/21/09 12:54	VS	39231
Surrogate: Toluene-d8		99 %	Limits: 79-122	1	05/21/09 12:54	VS	39231
Surrogate: 4-Bromofluorobenzene		97 %	Limits: 86-128	1	05/21/09 12.54	VS	39231
Surrogate: 1,2-Dichloroethane-d4		129 %	Limits: 71-132	1	05/21/09 12.54	VS	39231

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/21/09 5586 HEPACO

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Hepaco, Inc.
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Memphis, TN 38116

Project Description **e2M Defense Depot Backfill**
Project No. **9520127**

Lab Order Number **09-133-0233**
Lab ID **0905169-002B**
Field ID **Pit 002**

Report of Analysis

Received **05/13/09**
Matrix **Soil**
Sampled **05/12/09 17:00**

Analytical Method 8081A

Prep Method 3550B **Prep Batch(s)** 24569 **Date/Time Prepped** 05/14/09 11:19

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Aldrin	< 2.00	µg/Kg	2 00	10	05/20/09 1·24	DPC	39221
alpha-BHC	< 2 00	µg/Kg	2 00	10	05/20/09 1.24	DPC	39221
beta-BHC	< 2.00	µg/Kg	2.00	10	05/20/09 1·24	DPC	39221
delta-BHC	< 2.00	µg/Kg	2.00	10	05/20/09 1.24	DPC	39221
gamma-BHC	< 2 00	µg/Kg	2.00	10	05/20/09 1:24	DPC	39221
alpha-Chlordane	< 2.00	µg/Kg	2 00	10	05/20/09 1:24	DPC	39221
gamma-Chlordane	< 2.00	µg/Kg	2 00	10	05/20/09 1 24	DPC	39221
Chlordane	< 20.0	µg/Kg	20.0	10	05/20/09 1:24	DPC	39221
4,4'-DDD	< 2.00	µg/Kg	2 00	10	05/20/09 1 24	DPC	39221
4,4'-DDE	< 2.00	µg/Kg	2.00	10	05/20/09 1.24	DPC	39221
4,4'-DDT	< 2.00	µg/Kg	2.00	10	05/20/09 1·24	DPC	39221
Dieldrin	< 2.00	µg/Kg	2 00	10	05/20/09 1:24	DPC	39221
Endosulfan I	< 2 00	µg/Kg	2 00	10	05/20/09 1:24	DPC	39221
Endosulfan II	< 2.00	µg/Kg	2 00	10	05/20/09 1.24	DPC	39221
Endosulfan sulfate	< 2.00	µg/Kg	2.00	10	05/20/09 1:24	DPC	39221
Endrin	< 2.00	µg/Kg	2 00	10	05/20/09 1:24	DPC	39221
Endrin aldehyde	< 2.00	µg/Kg	2.00	10	05/20/09 1·24	DPC	39221
Endrin ketone	< 2.00	µg/Kg	2 00	10	05/20/09 1:24	DPC	39221
Heptachlor	< 2 00	µg/Kg	2 00	10	05/20/09 1·24	DPC	39221
Heptachlor epoxide	< 2 00	µg/Kg	2 00	10	05/20/09 1 24	DPC	39221
Methoxychlor	< 2.00	µg/Kg	2 00	10	05/20/09 1 24	DPC	39221
Mirex	< 2.00	µg/Kg	2.00	10	05/20/09 1.24	DPC	39221
Toxaphene	< 200	µg/Kg	200	10	05/20/09 1:24	DPC	39221
Surrogate Decachlorobiphenyl		75 %	Limits: 37-165	10	05/20/09 1:24	DPC	39221
Surrogate Tetrachloro-m-xylene		59 %	Limits: 18-158	10	05/20/09 1 24	DPC	39221

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/21/09 5586 HEPACO

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Hepaco, Inc.
731 East Brooks Road

Memphis, TN 38116

Project Description **e2M Defense Depot Backfill**
Project No. **9520127**

Lab Order Number **09-133-0233**
Lab ID **0905169-002B**
Field ID **Pit 002**

Report of Analysis

Received **05/13/09**
Matrix **Soil**
Sampled **05/12/09 17:00**

Analytical Method 8082

Prep Method 3550B **Prep Batch(s)** 24570 **Date/Time Prepped** 05/14/09 11:22

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Aroclor 1016	< 35.0	µg/Kg	35 0	1	05/20/09 20 05	DPC	39243
Aroclor 1221	< 35 0	µg/Kg	35.0	1	05/20/09 20.05	DPC	39243
Aroclor 1232	< 35.0	µg/Kg	35 0	1	05/20/09 20·05	DPC	39243
Aroclor 1242	< 35.0	µg/Kg	35 0	1	05/20/09 20 05	DPC	39243
Aroclor 1248	< 35.0	µg/Kg	35 0	1	05/20/09 20:05	DPC	39243
Aroclor 1254	< 35.0	µg/Kg	35.0	1	05/20/09 20:05	DPC	39243
Aroclor 1260	< 35 0	µg/Kg	35.0	1	05/20/09 20 05	DPC	39243
Surrogate: Decachlorobiphenyl	53 %	Limits. 17-141		1	05/20/09 20:05	DPC	39243
Surrogate. Tetrachloro-m-xylene	58 %	Limits. 20-122		1	05/20/09 20:05	DPC	39243

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/21/09 5586 HEPACO

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Project Description **e2M Defense Depot Backfill**
Project No. **9520127**

Lab Order Number **09-133-0233**
Lab ID **0905169-002B**
Field ID **Pit 002**

Report of Analysis

Received **05/13/09**
Matrix **Soil**
Sampled **05/12/09 17:00**

Analytical Method 8151A

Prep Method 8151A **Prep Batch(s)** 24564 **Date/Time Prepped** 05/14/09 8:49

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
2,4-D	< 30 0	µg/Kg	30 0	1	05/19/09 22:36	DPC	39210
2,4-DB	< 20 0	µg/Kg	20 0	1	05/19/09 22:36	DPC	39210
2,4,5-TP (Silvex)	< 1.00	µg/Kg	1 00	1	05/19/09 22:36	DPC	39210
2,4,5-T	< 5.00	µg/Kg	5.00	1	05/19/09 22:36	DPC	39210
Dalapon	< 60.0	µg/Kg	60.0	1	05/19/09 22 36	DPC	39210
Dicamba	< 20 0	µg/Kg	20.0	1	05/19/09 22:36	DPC	39210
Dichlorprop	< 10 0	µg/Kg	10 0	1	05/19/09 22 36	DPC	39210
Dinoseb	< 15 0 M	µg/Kg	15 0	1	05/19/09 22:36	DPC	39210
MCPA	**3,000 B**	**µg/Kg**	**510**	**1**	**05/19/09 22:36**	**DPC**	**39210**
MCPP	**1,640 Q**	**µg/Kg**	**1,000**	**1**	**05/19/09 22:36**	**DPC**	**39210**
Picloram	< 10.0	µg/Kg	10.0	1	05/19/09 22:36	DPC	39210
Surrogate: DCAA		55 %	Limits: 20-150	1	05/19/09 22:36	DPC	39210

Qualifiers/ Definitions					
	*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
	J	Estimated Value Analyte below reported detection limit	M	Minimum value
	MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
	MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
	Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/21/09 5586 HEPACO

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Memphis, TN 38116

Project Description **e2M Defense Depot Backfill**

Project No. **9520127**

Lab Order Number **09-133-0233**

Lab ID **0905169-002B**

Field ID **Pit 002**

Report of Analysis

Received **05/13/09**
Matrix **Soil**
Sampled **05/12/09 17:00**

Analytical Method 8270C

Prep Method 3550B **Prep Batch(s)** 24584 **Date/Time Prepped** 05/15/09 11:57

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Acenaphthene	< 66.7	µg/Kg	66.7	1	05/19/09 13:46	LD1	39201
Acenaphthylene	< 66.7	µg/Kg	66.7	1	05/19/09 13:46	LD1	39201
Acetophenone	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
Aniline	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
Anthracene	< 66.7	µg/Kg	66 7	1	05/19/09 13:46	LD1	39201
Benzidine	< 670 M	µg/Kg	670	1	05/19/09 13:46	LD1	39201
Benzo(a)anthracene	< 66.7	µg/Kg	66.7	1	05/19/09 13:46	LD1	39201
Benzo(b)fluoranthene	< 66.7	µg/Kg	66.7	1	05/19/09 13:46	LD1	39201
Benzo(k)fluoranthene	< 66 7	µg/Kg	66 7	1	05/19/09 13:46	LD1	39201
Benzo(g,h,i)perylene	< 66.7	µg/Kg	66.7	1	05/19/09 13.46	LD1	39201
Benzo(a)pyrene	< 66.7	µg/Kg	66.7	1	05/19/09 13 46	LD1	39201
Benzoic acid	< 330	µg/Kg	330	1	05/19/09 13.46	LD1	39201
Benzyl alcohol	< 330	µg/Kg	330	1	05/19/09 13.46	LD1	39201
Bis(2-chloroethyl)ether	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
Bis(2-chloroethoxy)methane	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
Bis(2-chloroisopropyl)ether	< 170	µg/Kg	170	1	05/19/09 13.46	LD1	39201
Bis(2-ethylhexyl)phthalate	< 330	µg/Kg	330	1	05/19/09 13 46	LD1	39201
4-Bromophenyl phenyl ether	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
Butyl benzyl phthalate	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
Carbazole	< 170	µg/Kg	170	1	05/19/09 13.46	LD1	39201
4-Chloroaniline	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
4-Chloro-3-methylphenol	< 170	µg/Kg	170	1	05/19/09 13 46	LD1	39201
2-Chloronaphthalene	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
2-Chlorophenol	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
4-Chlorophenyl phenyl ether	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
Chrysene	< 66 7	µg/Kg	66 7	1	05/19/09 13 46	LD1	39201
Dibenz(a,h)anthracene	< 66.7	µg/Kg	66 7	1	05/19/09 13:46	LD1	39201

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*1	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/21/09 5586 HEPACO

10001513

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731 East Brooks Road

Memphis, TN 38116

Project Description **e2M Defense Depot** **Backfill**
Project No. **9520127**

Lab Order Number **09-133-0233**
Lab ID **0905169-002B**
Field ID **Pit 002**

Report of Analysis

Received **05/13/09**
Matrix **Soil**
Sampled **05/12/09 17:00**

Analytical Method 8270C

Prep Method 3550B **Prep Batch(s)** 24584 **Date/Time Prepped** 05/15/09 11:57

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Dibenzofuran	< 170	µg/Kg	170	1	05/19/09 13.46	LD1	39201
1,2-Dichlorobenzene	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
1,3-Dichlorobenzene	< 170	µg/Kg	170	1	05/19/09 13.46	LD1	39201
1,4-Dichlorobenzene	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
Di-n-butyl phthalate	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
3,3'-Dichlorobenzidine	< 330	µg/Kg	330	1	05/19/09 13 46	LD1	39201
2,4-Dichlorophenol	< 170	µg/Kg	170	1	05/19/09 13.46	LD1	39201
2,6-Dichlorophenol	< 170	µg/Kg	170	1	05/19/09 13 46	LD1	39201
Dichlorophenols (Total)	< 170	µg/Kg	170	1	05/19/09 13 46	LD1	39201
Diethyl phthalate	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
3,3'-Dimethylbenzidine	< 330 M	µg/Kg	330	1	05/19/09 13:46	LD1	39201
2,4-Dimethylphenol	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
Dimethyl phthalate	< 170	µg/Kg	170	1	05/19/09 13 46	LD1	39201
4,6-Dinitro-2-methylphenol	< 330	µg/Kg	330	1	05/19/09 13 46	LD1	39201
2,4-Dinitrophenol	< 1,670	µg/Kg	1,670	1	05/19/09 13 46	LD1	39201
2,4-Dinitrotoluene	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
2,6-Dinitrotoluene	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
Di-n-octyl phthalate	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
Fluoranthene	< 66 7	µg/Kg	66.7	1	05/19/09 13 46	LD1	39201
Fluorene	< 66 7	µg/Kg	66 7	1	05/19/09 13 46	LD1	39201
Hexachlorobenzene	< 170	µg/Kg	170	1	05/19/09 13.46	LD1	39201
Hexachlorobutadiene	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
Hexachlorocyclopentadiene	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
Hexachloroethane	< 170	µg/Kg	170	1	05/19/09 13 46	LD1	39201
Indeno(1,2,3-cd)pyrene	< 66.7	µg/Kg	66.7	1	05/19/09 13 46	LD1	39201
Isophorone	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
2-Methylnaphthalene	< 66.7	µg/Kg	66 7	1	05/19/09 13:46	LD1	39201

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/21/09 5586 HEPACO

ETC Environmental Testing & Consulting, Inc.
2790 Whitten Road Memphis, Tennessee 38133 (901) 213-2400 Fax (901) 213-2440
"A Laboratory Management Partner"

Hepaco, Inc.
731 East Brooks Road

Memphis, TN 38116

Project **e2M Defense Depot**
Description **Backfill**
Project No. **9520127**

Lab Order Number **09-133-0233**
Lab ID **0905169-002B**
Field ID **Pit 002**

Report of Analysis
Received **05/13/09**
Matrix **Soil**
Sampled **05/12/09 17:00**

Analytical Method 8270C

Prep Method 3550B **Prep Batch(s)** 24584 **Date/Time Prepped** 05/15/09 11.57

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
2-Methylphenol	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
3&4-Methylphenol	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
Naphthalene	< 66.7	µg/Kg	66 7	1	05/19/09 13:46	LD1	39201
2-Nitroaniline	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
3-Nitroaniline	< 330	µg/Kg	330	1	05/19/09 13:46	LD1	39201
4-Nitroaniline	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
Nitrobenzene	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
2-Nitrophenol	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
4-Nitrophenol	< 660	µg/Kg	660	1	05/19/09 13:46	LD1	39201
N-Nitroso-di-n-butylamine	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
N-Nitrosodiethylamine	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
N-Nitrosodimethylamine	< 170	µg/Kg	170	1	05/19/09 13.46	LD1	39201
N-Nitrosodiphenylamine	< 330	µg/Kg	330	1	05/19/09 13:46	LD1	39201
N-Nitrosodi-n-propylamine	< 170	µg/Kg	170	1	05/19/09 13 46	LD1	39201
Pentachlorophenol	< 330	µg/Kg	330	1	05/19/09 13:46	LD1	39201
Phenanthrene	< 66.7	µg/Kg	66.7	1	05/19/09 13.46	LD1	39201
Phenol	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
Pyrene	< 66 7	µg/Kg	66.7	1	05/19/09 13:46	LD1	39201
Pyridine	< 330	µg/Kg	330	1	05/19/09 13 46	LD1	39201
1,2,3,4-Tetrachlorobenzene	< 66 7	µg/Kg	66.7	1	05/19/09 13.46	LD1	39201
1,2,4,5-Tetrachlorobenzene	< 170	µg/Kg	170	1	05/19/09 13.46	LD1	39201
2,3,4,6-Tetrachlorophenol	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
Tetrachlorophenols (Total)	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
1,2,4-Trichlorobenzene	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
2,4,5-Trichlorophenol	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201
2,4,6-Trichlorophenol	< 170	µg/Kg	170	1	05/19/09 13 46	LD1	39201
Trichlorophenols (Total)	< 170	µg/Kg	170	1	05/19/09 13:46	LD1	39201

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/21/09 5586 HEPACO

ETC Environmental Testing & Consulting, Inc.
2790 Whitten Road Memphis, Tennessee 38133 (901) 213-2400 Fax (901) 213-2440
"A Laboratory Management Partner"

Hepaco, Inc.
731 East Brooks Road

Memphis, TN 38116

Project Description **e2M Defense Depot Backfill**

Project No. **9520127**

Lab Order Number **09-133-0233**

Lab ID **0905169-002B**

Field ID **Pit 002**

Report of Analysis

Received **05/13/09**
Matrix **Soil**
Sampled **05/12/09 17:00**

Analytical Method 8270C

Prep Method 3550B **Prep Batch(s)** 24584 **Date/Time Prepped** 05/15/09 11:57

Compound		Result	Units		MQL	DF	Date/Time Analyzed	By	Analytical Batch
Surrogate	Nitrobenzene-d5		39 %	Limits:	25-110	1	05/19/09 13:46	LD1	39201
Surrogate	2-Fluorobiphenyl		37 %	Limits:	33-114	1	05/19/09 13:46	LD1	39201
Surrogate:	4-Terphenyl-d14		66 %	Limits	37-115	1	05/19/09 13:46	LD1	39201
Surrogate:	Phenol-d6		43 %	Limits	11-125	1	05/19/09 13:46	LD1	39201
Surrogate.	2,4,6-Tribromophenol		34 %	Limits	9-134	1	05/19/09 13 46	LD1	39201
Surrogate:	2-Fluorophenol		40 %	Limits:	10-119	1	05/19/09 13 46	LD1	39201

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*1	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

05/21/09 5586 HEPACO

ETC ENVIRONMENTAL TESTING & CONSULTING, INC.
www.etcmemphis.com
2790 Whitten Road Memphis, Tennessee 38133 (901) 213-2400 Fax (901) 213-2440
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Cooler Receipt Form

Customer Number: **05586**
Customer Name: **Hepaco, Inc.**
Report Number: **09-133-0233**

09-133-0233

Shipping Method

○ FedEx ○ UPS ○ US Postal ○ Client ● LMP ○ Courier ○ Other:

Shipping container/cooler uncompromised?	● Yes	○ No	○ Not Present
Custody seals intact on shipping container/cooler?	○ Yes	○ No	● Not Required
Custody seals intact on sample bottles?	○ Yes	○ No	● Not Required
Chain of Custody present?	● Yes	○ No	
COC agrees with sample labels?	● Yes	○ No	
Samples in proper containers?	● Yes	○ No	
Sample containers intact?	● Yes	○ No	
Sufficient sample volume for indicated tests?	● Yes	○ No	
All samples received within holding time?	● Yes	○ No	
Container temperature in compliance?	● Yes	○ No	
Water - VOA vials free of headspace?	○ Yes	○ No	● N/A
Water - Preservation acceptable upon receipt?	● Yes	○ No	○ N/A
Samples screened for radioactivity (COE only)?	○ Yes	○ No	● N/A
Special precautions or instructions included?	○ Yes	● No	

Comments:

Any regulatory non-compliance issues will be recorded on non-compliance report.

Signature: Brooke Shoup

Date & Time: 05-13-2009 12:00

0905169

ETC Environmental Testing & Consulting, Inc.

2790 Whitten Rd. Memphis, TN 38133 (901) 213-2400 Fax (901) 213-2440

www.etcmemphis.com

Chain of

09-133-0233
05586
May 13 2009
12:18PM

Hepaco, Inc.
e2m Defense Depot Backfill

Company Name: Hepaco, Inc.
Account Number:
Project/Site: e2m Defense Depot Backfill
State Project Loc.: TN

Type of Event (Routine Sampling Events Only)
Single Daily Weekly Monthly
Quarterly Semi-Annual Annually

Project Manager/Contact: David Moore
E-Mail Address: dmoore@hepaco.com

RUSH (Surcharges may apply)
Ice: X

Phone Number: 9014833404
PO Number: 5001266
FID Number:
Project Number: 9520127

Matrix
1) Wastewater 4) Sludge
2) Aqueous 5) Oil/Solvent
3) Soil/Sediment 6) Other

Analysis R (Note special detectio

Quote No.:

Which Regulations Apply?
NPDES Risk Based Limits
Wastewater TRRP 13
RCRA LA RECAP
UST USACE
Other: Backfill

Lab #	Sample ID/Number	Depth	Sample Date & Time	Matrix	Grab/Comp	RCRA Metals	VOC	SVOC	Pesticide/PCB's	Herbicide					Comments	Lab Use Only (for internal use only)
2	Pit 001	5	5/12/09 1700	s	g	X	X	X	X	X						
3	Pit 002	5	" "	s	g	X	X	X	X	X						

Sampled By: David Moore
Method of Shipment:
Blank/Cooler Temp:
Remarks:

Relinquished By (sign): David Moore Date: 5/13/09 Time: 10:04
Received By (sign): Jerry Thompson Date: 5/13/09 Time: 10:04
Relinquished By (sign): Jerry Thompson Date: 5/13/09 Time: 10:04
Received By Lab (print/sign): Bobbie Boggs Date: 5/13/09 Time: 1700

Please return ETC Sample Kit Request Form with Chain of Custody

1000151

ETC www.etcmemphis.com
ENVIRONMENTAL TESTING & CONSULTING, INC.
2790 Whitten Road Memphis, Tennessee 38133 (901) 213-2400 Fax (901) 213-2440
"A Laboratory Management Partner"

6/19/2009

Hepaco, Inc.
Mr. David Moore
731 East Brooks Road
Memphis, TN, 38116

Ref: Analytical Testing
Report Number: 09-154-0284
Project Description: e2m Defense Depot Backfill

Dear Mr. David Moore:

Environmental Testing and Consulting, Inc. received 3 sample(s) on 6/3/2009 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in our laboratory in accordance with Standard Methods, The Solid Waste Manual SW-846, EPA Methods for Chemical Analysis of Water and Wastes and /or 40 CFR part 136.

The EPA requires that water samples analyzed for pH, dissolved oxygen and total residual chlorine be analyzed in the field. Analyses and results reported which do not indicate "Field" for these parameters were analyzed outside the holding time as specified in Table II of 40 CFR Part 136.3.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, instrumentation maintenance and calibration were performed in accordance with guidelines established by the USEPA and NELAP.

The results are shown on the attached analysis sheet(s).

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,

Randell H. Thomas

Randy Thomas
Project Manager

10001519

ETC Environmental Testing & Consulting, Inc.
www.etcmemphis.com
2790 Whitten Road Memphis Tennessee 38133 (901) 213-2400 Fax (901) 213-2440
"A Laboratory Management Partner"

05586
Hepaco, Inc.
Mr. David Moore
731 East Brooks Road
Memphis , TN 38116

Project ID :
Description : e2m Defense Depot Backfill
TN

Report Date : 6/19/2009

Report Number : **09-154-0284**

REPORT OF ANALYSIS

Received : 6/3/2009

Lab No : **67604** Matrix: **Solids**
Sample ID : **001 Backfill** Sampled: **6/2/2009 17:00**

Test	Results	Units	MQL	Date / Time Analyzed	By	Analytical Method
Total Selenium	<0.476	mg/Kg	0.476	06/07/09 04:28	NP	SW-6010B
Total Lead	**7.79**	mg/Kg	0.285	06/07/09 04:28	NP	SW-6010B
Total Mercury	**0.03801**	mg/Kg	0.00649	06/09/09 14:04	SH	SW-7471A
Total Cadmium	<0.095	mg/Kg	0.095	06/07/09 04:28	NP	SW-6010B
Total Arsenic	**2.35**	mg/Kg	0.476	06/07/09 04:28	NP	SW-6010B
Total Chromium	**6.98**	mg/Kg	0.238	06/07/09 04:28	NP	SW-6010B
Total Silver	<0.238	mg/Kg	0.238	06/07/09 04:28	NP	SW-6010B
Total Barium	**64.0**	mg/Kg	0.476	06/07/09 04:28	NP	SW-6010B

Lab No : **67605** Matrix: **Solids**
Sample ID : **002 Backfill** Sampled: **6/2/2009 17:10**

Test	Results	Units	MQL	Date / Time Analyzed	By	Analytical Method
Total Selenium	<0.479	mg/Kg	0.479	06/07/09 04:35	NP	SW-6010B
Total Lead	**10.1**	mg/Kg	0.287	06/07/09 04:35	NP	SW-6010B
Total Mercury	**0.01487**	mg/Kg	0.00633	06/09/09 14:05	SH	SW-7471A
Total Cadmium	**0.197**	mg/Kg	0.095	06/07/09 04:35	NP	SW-6010B
Total Arsenic	**9.30**	mg/Kg	0.479	06/07/09 04:35	NP	SW-6010B
Total Chromium	**10.0**	mg/Kg	0.239	06/07/09 04:35	NP	SW-6010B
Total Silver	<0.239	mg/Kg	0.239	06/07/09 04:35	NP	SW-6010B
Total Barium	**157**	mg/Kg	0.479	06/07/09 04:35	NP	SW-6010B

Qualifiers/ Definitions MQL Method Quantitation Limit

ETC ENVIRONMENTAL TESTING & CONSULTING, INC.
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"A Laboratory Management Partner"

05586
Hepaco, Inc.
Mr. David Moore
731 East Brooks Road
Memphis , TN 38116

Project ID :
Description : e2m Defense Depot Backfill
TN

Report Date : 6/19/2009

Report Number : **09-154-0284**

REPORT OF ANALYSIS

Received : 6/3/2009

Lab No : **67606**
Sample ID : **003 Backfill**

Matrix: **Solids**
Sampled: **6/2/2009 17:10**

Test	Results	Units	MQL	Date / Time Analyzed	By	Analytical Method
Total Selenium	<0.496	mg/Kg	0.496	06/07/09 04:42	NP	SW-6010B
Total Lead	**6.19**	mg/Kg	0.297	06/07/09 04:42	NP	SW-6010B
Total Mercury	**0.02968**	mg/Kg	0.00599	06/10/09 11:56	TJ	SW-7471A
Total Cadmium	<0.099	mg/Kg	0.099	06/07/09 04:42	NP	SW-6010B
Total Arsenic	**4.39**	mg/Kg	0.496	06/07/09 04:42	NP	SW-6010B
Total Chromium	**8.46**	mg/Kg	0.248	06/07/09 04:42	NP	SW-6010B
Total Silver	<0.248	mg/Kg	0.248	06/07/09 04:42	NP	SW-6010B
Total Barium	**135**	mg/Kg	0.496	06/07/09 04:42	NP	SW-6010B

Qualifiers/ Definitions MQL Method Quantitation Limit

ETC Environmental Testing & Consulting, Inc.
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CLIENT:	Hepaco, Inc.	**CASE NARRATIVE**	
Project:	e2m Defense Depot Backfill	**Date: 06/19/09**	
Lab Order Number:	09-154-0284		ETCAL

Herbicides by Method 8151A

Confirmation Analyses
The following sample extract contained compounds which were detected in both the primary and confirmatory analyses, with a relative percent difference of greater than 40%

0906072-002A: MCPA

Semi-volatile Organics by Method 8260B

Surrogate Recovery Failure
Surrogates were flagged for recoveries outside QC limits in several of the associated project samples. These samples were re-analyzed for verification, and/or dilution of target analytes, with similar recoveries. Batch QC samples (method blank and laboratory control samples) all showed surrogates within QC limits indicating that failing recoveries were due to the sample matrix.

Volatile Organics by Method 8260B
Surrogate Recovery Failure

Surrogates were flagged for recoveries outside QC limits in the associated project samples. One or more surrogates exhibited a high bias and all compounds were not detected. The high recovery had no impact on the data. Batch QC samples (method blank and laboratory control samples) all showed surrogates within QC limits indicating that failing recoveries were due to the sample matrix.

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"A Laboratory Management Partner"

Hepaco, Inc.
731 East Brooks Road
Memphis, TN 38116

Project Description: **e2m Defense Depot** **Backfill**
Site: **TN**

Lab Order Number: **09-154-0284**
Lab ID: **0906072-001A**
Field ID: **001 Backfill**
Sample Number: **67604**

Report of Analysis

Received: **06/03/09**
Matrix: **Soil**
Sampled: **06/02/09 17:00**

Analytical Method 8081A

Prep Method 3550B **Prep Batch(s)** 24842 **Date/Time Prepped** 06/05/09 10:59

Compound	Result	Units		MQL	DF	Date/Time Analyzed	By	Analytical Batch
Aldrin	< 2.00	µg/Kg		2.00	10	06/18/09 12:38	DPC	39703
alpha-BHC	< 2 00	µg/Kg		2.00	10	06/18/09 12:38	DPC	39703
beta-BHC	< 2.00	µg/Kg		2.00	10	06/18/09 12:38	DPC	39703
delta-BHC	< 2.00	µg/Kg		2.00	10	06/18/09 12:38	DPC	39703
gamma-BHC	< 2 00	µg/Kg		2.00	10	06/18/09 12:38	DPC	39703
alpha-Chlordane	< 2.00	µg/Kg		2.00	10	06/18/09 12:38	DPC	39703
gamma-Chlordane	< 2.00	µg/Kg		2.00	10	06/18/09 12:38	DPC	39703
Chlordane	< 20 0	µg/Kg		20.0	10	06/18/09 12:38	DPC	39703
4,4´-DDD	< 2.00	µg/Kg		2.00	10	06/18/09 12.38	DPC	39703
4,4´-DDE	< 2.00	µg/Kg		2 00	10	06/18/09 12:38	DPC	39703
4,4´-DDT	< 2.00	µg/Kg		2 00	10	06/18/09 12:38	DPC	39703
Dieldnn	< 2.00	µg/Kg		2.00	10	06/18/09 12.38	DPC	39703
Endosulfan I	< 2.00	µg/Kg		2.00	10	06/18/09 12 38	DPC	39703
Endosulfan II	< 2 00	µg/Kg		2 00	10	06/18/09 12:38	DPC	39703
Endosulfan sulfate	< 2.00	µg/Kg		2.00	10	06/18/09 12:38	DPC	39703
Endrin	< 2.00	µg/Kg		2.00	10	06/18/09 12:38	DPC	39703
Endrin aldehyde	< 2.00	µg/Kg		2.00	10	06/18/09 12:38	DPC	39703
Endrin ketone	< 2 00	µg/Kg		2.00	10	06/18/09 12:38	DPC	39703
Heptachlor	< 2.00	µg/Kg		2 00	10	06/18/09 12.38	DPC	39703
Heptachlor epoxide	< 2.00	µg/Kg		2.00	10	06/18/09 12:38	DPC	39703
Methoxychlor	< 2.00	µg/Kg		2.00	10	06/18/09 12:38	DPC	39703
Mirex	< 2.00	µg/Kg		2 00	10	06/18/09 12:38	DPC	39703
Toxaphene	< 200	µg/Kg		200	10	06/18/09 12:38	DPC	39703
Surrogate: Decachlorobiphenyl		71 %	Limits	37-165	10	06/18/09 12:38	DPC	39703
Surrogate: Tetrachloro-m-xylene		41 %	Limits	18-158	10	06/18/09 12 38	DPC	39703

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/19/09 5586 HEPACO

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2790 Whitten Road Memphis, Tennessee 38133 (901) 213-2400 Fax (901) 213-2449
"A Laboratory Management Partner"

Hepaco, Inc.
731 East Brooks Road
Memphis, TN 38116

Project **e2m Defense Depot** Site **TN**
Description **Backfill**

Lab Order Number **09-154-0284**
Lab ID **0906072-001A**
Field ID **001 Backfill**
Sample Number **67604**

Report of Analysis

Received **06/03/09**
Matrix **Soil**
Sampled **06/02/09 17:00**

Analytical Method 8082

Prep Method 3550B **Prep Batch(s)** 24841 **Date/Time Prepped** 06/05/09 10:54

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Aroclor 1016	< 35 0	µg/Kg	35 0	1	06/10/09 15:24	DPC	39570
Aroclor 1221	< 35.0	µg/Kg	35 0	1	06/10/09 15:24	DPC	39570
Aroclor 1232	< 35.0	µg/Kg	35.0	1	06/10/09 15.24	DPC	39570
Aroclor 1242	< 35.0	µg/Kg	35.0	1	06/10/09 15 24	DPC	39570
Aroclor 1248	< 35 0	µg/Kg	35.0	1	06/10/09 15.24	DPC	39570
Aroclor 1254	< 35 0	µg/Kg	35.0	1	06/10/09 15:24	DPC	39570
Aroclor 1260	< 35.0	µg/Kg	35 0	1	06/10/09 15:24	DPC	39570
Surrogate: Decachlorobiphenyl		74 %	Limits: 17-141	1	06/10/09 15.24	DPC	39570
Surrogate Tetrachloro-m-xylene		41 %	Limits. 20-122	1	06/10/09 15 24	DPC	39570

Qualifiers/ Definitions				
	*	Surrogate Recovery outside accepted limits	*1	Recoveries affected by interferences or high background
	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
	J	Estimated Value Analyte below reported detection limit	M	Minimum value
	MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
	MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
	Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

ETC Environmental Testing & Consulting, Inc.
2790 Whitten Road Memphis, Tennessee 38133 (901) 213-2400 Fax (901) 213-2440
"A Laboratory Management Partner"

Hepaco, Inc.
731 East Brooks Road
Memphis, TN 38116

Project Description: **e2m Defense Depot Backfill**
Site: **TN**

Lab Order Number: **09-154-0284**
Lab ID: **0906072-001A**
Field ID: **001 Backfill**
Sample Number: **67604**

Report of Analysis
Received: **06/03/09**
Matrix: **Soil**
Sampled: **06/02/09 17:00**

Analytical Method 8151A

Prep Method 8151A **Prep Batch(s)** 24836 **Date/Time Prepped** 06/04/09 9:13

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
2,4-D	< 30.0	µg/Kg	30 0	1	06/08/09 22:08	DPC	39546
2,4-DB	< 20.0	µg/Kg	20 0	1	06/08/09 22:08	DPC	39546
2,4,5-TP (Silvex)	< 1.00	µg/Kg	1 00	1	06/08/09 22:08	DPC	39546
2,4,5-T	< 5.00	µg/Kg	5 00	1	06/08/09 22.08	DPC	39546
Dalapon	< 60.0	µg/Kg	60.0	1	06/08/09 22.08	DPC	39546
Dicamba	< 20.0	µg/Kg	20 0	1	06/08/09 22:08	DPC	39546
Dichlorprop	< 10 0	µg/Kg	10 0	1	06/08/09 22.08	DPC	39546
Dinoseb	< 15.0	µg/Kg	15.0	1	06/08/09 22:08	DPC	39546
MCPA	< 510	µg/Kg	510	1	06/08/09 22:08	DPC	39546
MCPP	< 1,000	µg/Kg	1,000	1	06/08/09 22:08	DPC	39546
Picloram	< 10.0	µg/Kg	10.0	1	06/08/09 22:08	DPC	39546
Surrogate. DCAA		70 %	Limits: 20-150	1	06/08/09 22.08	DPC	39546

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/19/09 5586 HEPACO

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"A Laboratory Management Partner"

Hepaco, Inc.
731 East Brooks Road
Memphis, TN 38116

Project Description **e2m Defense Depot Backfill** Site **TN**

Lab Order Number **09-154-0284**
Lab ID **0906072-001A**
Field ID **001 Backfill**
Sample Number **67604**

Report of Analysis

Received **06/03/09**
Matrix **Soil**
Sampled **06/02/09 17:00**

Analytical Method 8270C

Prep Method 3550B **Prep Batch(s)** 24874 **Date/Time Prepped** 06/09/09 11 13

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Acenaphthene	< 66.7	µg/Kg	66 7	1	06/10/09 20·43	LD1	39578
Acenaphthylene	< 66.7	µg/Kg	66.7	1	06/10/09 20 43	LD1	39578
Acetophenone	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
Aniline	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
Anthracene	< 66.7	µg/Kg	66.7	1	06/10/09 20:43	LD1	39578
Benzidine	< 670 M	µg/Kg	670	1	06/10/09 20:43	LD1	39578
Benzo(a)anthracene	< 66 7	µg/Kg	66 7	1	06/10/09 20:43	LD1	39578
Benzo(b)fluoranthene	< 66 7	µg/Kg	66 7	1	06/10/09 20.43	LD1	39578
Benzo(k)fluoranthene	< 66.7	µg/Kg	66 7	1	06/10/09 20:43	LD1	39578
Benzo(g,h,i)perylene	< 66.7	µg/Kg	66.7	1	06/10/09 20:43	LD1	39578
Benzo(a)pyrene	< 66.7	µg/Kg	66.7	1	06/10/09 20·43	LD1	39578
Benzoic acid	< 330	µg/Kg	330	1	06/10/09 20·43	LD1	39578
Benzyl alcohol	< 330	µg/Kg	330	1	06/10/09 20 43	LD1	39578
Bis(2-chloroethyl)ether	< 170	µg/Kg	170	1	06/10/09 20 43	LD1	39578
Bis(2-chloroethoxy)methane	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
Bis(2-chloroisopropyl)ether	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
Bis(2-ethylhexyl)phthalate	< 330	µg/Kg	330	1	06/10/09 20 43	LD1	39578
4-Bromophenyl phenyl ether	< 170	µg/Kg	170	1	06/10/09 20 43	LD1	39578
Butyl benzyl phthalate	< 170	µg/Kg	170	1	06/10/09 20 43	LD1	39578
Carbazole	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
4-Chloroaniline	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
4-Chloro-3-methylphenol	< 170	µg/Kg	170	1	06/10/09 20.43	LD1	39578
2-Chloronaphthalene	< 170	µg/Kg	170	1	06/10/09 20 43	LD1	39578
2-Chlorophenol	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
4-Chlorophenyl phenyl ether	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
Chrysene	< 66.7	µg/Kg	66.7	1	06/10/09 20:43	LD1	39578
Dibenz(a,h)anthracene	< 66 7	µg/Kg	66.7	1	06/10/09 20:43	LD1	39578

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/19/09 5586 HEPACO

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"A Laboratory Management Partner"

Hepaco, Inc.
731 East Brooks Road
Memphis, TN 38116

Project Description **e2m Defense Depot Backfill**
Site **TN**

Lab Order Number **09-154-0284**
Lab ID **0906072-001A**
Field ID **001 Backfill**
Sample Number **67604**

Report of Analysis
Received **06/03/09**
Matrix **Soil**
Sampled **06/02/09 17:00**

Analytical Method 8270C

Prep Method 3550B **Prep Batch(s)** 24874 **Date/Time Prepped** 06/09/09 11:13

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Dibenzofuran	< 170	µg/Kg	170	1	06/10/09 20.43	LD1	39578
1,2-Dichlorobenzene	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
1,3-Dichlorobenzene	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
1,4-Dichlorobenzene	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
Di-n-butyl phthalate	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
3,3'-Dichlorobenzidine	< 330	µg/Kg	330	1	06/10/09 20:43	LD1	39578
2,4-Dichlorophenol	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
2,6-Dichlorophenol	< 170	µg/Kg	170	1	06/10/09 20 43	LD1	39578
Dichlorophenols (Total)	< 170	µg/Kg	170	1	06/10/09 20 43	LD1	39578
Diethyl phthalate	< 170	µg/Kg	170	1	06/10/09 20 43	LD1	39578
3,3'-Dimethylbenzidine	< 330 M	µg/Kg	330	1	06/10/09 20:43	LD1	39578
2,4-Dimethylphenol	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
Dimethyl phthalate	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
4,6-Dinitro-2-methylphenol	< 330	µg/Kg	330	1	06/10/09 20.43	LD1	39578
2,4-Dinitrophenol	< 1,670	µg/Kg	1,670	1	06/10/09 20:43	LD1	39578
2,4-Dinitrotoluene	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
2,6-Dinitrotoluene	< 170	µg/Kg	170	1	06/10/09 20.43	LD1	39578
Di-n-octyl phthalate	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
Fluoranthene	< 66 7	µg/Kg	66.7	1	06/10/09 20:43	LD1	39578
Fluorene	< 66.7	µg/Kg	66.7	1	06/10/09 20:43	LD1	39578
Hexachlorobenzene	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
Hexachlorobutadiene	< 170	µg/Kg	170	1	06/10/09 20 43	LD1	39578
Hexachlorocyclopentadiene	< 170	µg/Kg	170	1	06/10/09 20 43	LD1	39578
Hexachloroethane	< 170	µg/Kg	170	1	06/10/09 20.43	LD1	39578
Indeno(1,2,3-cd)pyrene	< 66.7	µg/Kg	66.7	1	06/10/09 20:43	LD1	39578
Isophorone	< 170	µg/Kg	170	1	06/10/09 20.43	LD1	39578
2-Methylnaphthalene	< 66 7	µg/Kg	66.7	1	06/10/09 20:43	LD1	39578

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/19/09 5586 HEPACO

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"A Laboratory Management Partner"

Hepaco, Inc.
731 East Brooks Road
Memphis, TN 38116

Project **e2m Defense Depot** Site **TN**
Description **Backfill**

Lab Order Number **09-154-0284**
Lab ID **0906072-001A**
Field ID **001 Backfill**
Sample Number **67604**

Report of Analysis

Received **06/03/09**
Matrix **Soil**
Sampled **06/02/09 17:00**

Analytical Method 8270C

Prep Method 3550B **Prep Batch(s)** 24874 **Date/Time Prepped** 06/09/09 11:13

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
2-Methylphenol	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
3&4-Methylphenol	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
Naphthalene	< 66 7	µg/Kg	66 7	1	06/10/09 20:43	LD1	39578
2-Nitroaniline	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
3-Nitroaniline	< 330	µg/Kg	330	1	06/10/09 20:43	LD1	39578
4-Nitroaniline	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
Nitrobenzene	< 170	µg/Kg	170	1	06/10/09 20 43	LD1	39578
2-Nitrophenol	< 170	µg/Kg	170	1	06/10/09 20.43	LD1	39578
4-Nitrophenol	< 660	µg/Kg	660	1	06/10/09 20:43	LD1	39578
N-Nitroso-di-n-butylamine	< 170	µg/Kg	170	1	06/10/09 20.43	LD1	39578
N-Nitrosodiethylamine	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
N-Nitrosodimethylamine	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
N-Nitrosodiphenylamine	< 330	µg/Kg	330	1	06/10/09 20:43	LD1	39578
N-Nitrosodi-n-propylamine	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
Pentachlorophenol	< 330	µg/Kg	330	1	06/10/09 20:43	LD1	39578
Phenanthrene	< 66.7	µg/Kg	66.7	1	06/10/09 20:43	LD1	39578
Phenol	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
Pyrene	< 66.7	µg/Kg	66.7	1	06/10/09 20:43	LD1	39578
Pyridine	< 330	µg/Kg	330	1	06/10/09 20.43	LD1	39578
1,2,3,4-Tetrachlorobenzene	< 66 7	µg/Kg	66 7	1	06/10/09 20:43	LD1	39578
1,2,4,5-Tetrachlorobenzene	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
2,3,4,6-Tetrachlorophenol	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
Tetrachlorophenols (Total)	< 170	µg/Kg	170	1	06/10/09 20.43	LD1	39578
1,2,4-Trichlorobenzene	< 170	µg/Kg	170	1	06/10/09 20.43	LD1	39578
2,4,5-Trichlorophenol	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
2,4,6-Trichlorophenol	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578
Trichlorophenols (Total)	< 170	µg/Kg	170	1	06/10/09 20:43	LD1	39578

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*1	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

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"A Laboratory Management Partner"

Hepaco, Inc.
731 East Brooks Road
Memphis, TN 38116

Project Description **e2m Defense Depot** **Backfill**
Site **TN**

Lab Order Number **09-154-0284**
Lab ID **0906072-001A**
Field ID **001 Backfill**
Sample Number **67604**

Report of Analysis
Received **06/03/09**
Matrix **Soil**
Sampled **06/02/09 17:00**

Analytical Method 8270C

Prep Method 3550B **Prep Batch(s)** 24874 **Date/Time Prepped** 06/09/09 11:13

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Surrogate: Nitrobenzene-d5	44	%	Limits: 25-110	1	06/10/09 20:43	LD1	39578
Surrogate: 2-Fluorobiphenyl	37	%	Limits: 33-114	1	06/10/09 20:43	LD1	39578
Surrogate: 4-Terphenyl-d14	52	%	Limits: 37-115	1	06/10/09 20:43	LD1	39578
Surrogate: Phenol-d6	45	%	Limits: 11-125	1	06/10/09 20:43	LD1	39578
Surrogate: 2,4,6-Tribromophenol	51	%	Limits: 9-134	1	06/10/09 20:43	LD1	39578
Surrogate: 2-Fluorophenol	44	%	Limits: 10-119	1	06/10/09 20:43	LD1	39578

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
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Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/19/09 5586 HEPACO

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Hepaco, Inc.
731 East Brooks Road
Memphis, TN 38116

Project Description: **e2m Defense Depot** **Backfill**
Site: **TN**

Lab Order Number: **09-154-0284**
Lab ID: **0906072-001A**
Field ID: **001 Backfill**
Sample Number: **67604**

Report of Analysis

Received: **06/03/09**
Matrix: **Soil**
Sampled: **06/02/09 17:00**

Analytical Method 8260B

Prep Method 5030A **Prep Batch(s)** 24933 **Date/Time Prepped** 06/12/09 9:35

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Acetone	< 40.0	µg/Kg	40.0	1	06/12/09 15 44	VS	39596
Acetonitrile	< 100	µg/Kg	100	1	06/12/09 15.44	VS	39596
Acrolein	< 40.0	µg/Kg	40.0	1	06/12/09 15:44	VS	39596
Acrylonitrile	< 40.0	µg/Kg	40 0	1	06/12/09 15:44	VS	39596
Benzene	< 2.00	µg/Kg	2 00	1	06/12/09 15:44	VS	39596
Bromobenzene	< 2.00	µg/Kg	2 00	1	06/12/09 15.44	VS	39596
Bromochloromethane	< 2.00	µg/Kg	2 00	1	06/12/09 15 44	VS	39596
Bromodichloromethane	< 2.00	µg/Kg	2 00	1	06/12/09 15 44	VS	39596
Bromoform	< 2 00	µg/Kg	2.00	1	06/12/09 15 44	VS	39596
Bromomethane	< 2.00	µg/Kg	2.00	1	06/12/09 15.44	VS	39596
n-Butylbenzene	< 2.00	µg/Kg	2.00	1	06/12/09 15:44	VS	39596
sec-Butylbenzene	< 2.00	µg/Kg	2 00	1	06/12/09 15:44	VS	39596
tert-Butylbenzene	< 2.00	µg/Kg	2 00	1	06/12/09 15 44	VS	39596
2-Butanone (MEK)	< 40.0	µg/Kg	40.0	1	06/12/09 15:44	VS	39596
Carbon disulfide	< 2 00	µg/Kg	2 00	1	06/12/09 15 44	VS	39596
Carbon tetrachloride	< 2 00	µg/Kg	2.00	1	06/12/09 15 44	VS	39596
Chlorobenzene	< 2.00	µg/Kg	2.00	1	06/12/09 15:44	VS	39596
Chlorodibromomethane	< 2.00	µg/Kg	2 00	1	06/12/09 15:44	VS	39596
Chloroethane	< 2.00	µg/Kg	2 00	1	06/12/09 15 44	VS	39596
Chloroform	< 2 00	µg/Kg	2 00	1	06/12/09 15:44	VS	39596
Chloromethane	< 2 00	µg/Kg	2.00	1	06/12/09 15:44	VS	39596
2-Chlorotoluene	< 2.00	µg/Kg	2.00	1	06/12/09 15:44	VS	39596
4-Chlorotoluene	< 2.00	µg/Kg	2 00	1	06/12/09 15:44	VS	39596
1,2-Dibromo-3-chloropropane	< 10.0	µg/Kg	10.0	1	06/12/09 15 44	VS	39596
1,2-Dibromoethane	< 2 00	µg/Kg	2 00	1	06/12/09 15 44	VS	39596
Dibromomethane	< 2 00	µg/Kg	2 00	1	06/12/09 15:44	VS	39596
1,2-Dichlorobenzene	< 2.00	µg/Kg	2 00	1	06/12/09 15:44	VS	39596

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*1	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/19/09 5586 HEPACO

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2790 Whitten Road Memphis, Tennessee 38133 (901) 213-2400 Fax (901) 213-2449
"A Laboratory Management Partner"

Hepaco, Inc.
731 East Brooks Road
Memphis, TN 38116

Project Description: **e2m Defense Depot Backfill**
Site: **TN**

Lab Order Number: **09-154-0284**
Lab ID: **0906072-001A**
Field ID: **001 Backfill**
Sample Number: **67604**

Report of Analysis
Received: **06/03/09**
Matrix: **Soil**
Sampled: **06/02/09 17:00**

Analytical Method 8260B

Prep Method 5030A **Prep Batch(s)** 24933 **Date/Time Prepped** 06/12/09 9:35

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
1,3-Dichlorobenzene	< 2.00	µg/Kg	2 00	1	06/12/09 15:44	VS	39596
1,4-Dichlorobenzene	< 2 00	µg/Kg	2.00	1	06/12/09 15.44	VS	39596
Dichlorodifluoromethane	< 2.00	µg/Kg	2.00	1	06/12/09 15:44	VS	39596
1,1-Dichloroethane	< 2.00	µg/Kg	2 00	1	06/12/09 15:44	VS	39596
1,2-Dichloroethane	< 2.00	µg/Kg	2 00	1	06/12/09 15:44	VS	39596
1,1-Dichloroethene	< 2.00	µg/Kg	2.00	1	06/12/09 15:44	VS	39596
cis-1,2-Dichloroethene	< 2 00	µg/Kg	2.00	1	06/12/09 15 44	VS	39596
trans-1,2-Dichloroethene	< 2 00	µg/Kg	2.00	1	06/12/09 15.44	VS	39596
1,2-Dichloropropane	< 2 00	µg/Kg	2 00	1	06/12/09 15:44	VS	39596
1,3-Dichloropropane	< 2 00	µg/Kg	2.00	1	06/12/09 15:44	VS	39596
2,2-Dichloropropane	< 2.00	µg/Kg	2 00	1	06/12/09 15:44	VS	39596
1,1-Dichloropropene	< 2.00	µg/Kg	2 00	1	06/12/09 15:44	VS	39596
cis-1,3-Dichloropropene	< 2 00	µg/Kg	2 00	1	06/12/09 15:44	VS	39596
trans-1,3-Dichloropropene	< 2.00	µg/Kg	2 00	1	06/12/09 15:44	VS	39596
Ethyl acetate	< 20 0	µg/Kg	20.0	1	06/12/09 15.44	VS	39596
Ethylbenzene	< 2.00	µg/Kg	2.00	1	06/12/09 15:44	VS	39596
Hexachlorobutadiene	< 2.00	µg/Kg	2.00	1	06/12/09 15:44	VS	39596
2-Hexanone	< 10.0	µg/Kg	10 0	1	06/12/09 15:44	VS	39596
Iodomethane	< 10.0	µg/Kg	10.0	1	06/12/09 15.44	VS	39596
Isopropylbenzene	< 2 00	µg/Kg	2.00	1	06/12/09 15:44	VS	39596
4-Isopropyltoluene	< 2 00	µg/Kg	2.00	1	06/12/09 15:44	VS	39596
Methylene chloride	< 40 0	µg/Kg	40.0	1	06/12/09 15:44	VS	39596
4-Methyl-2-pentanone	< 10.0	µg/Kg	10.0	1	06/12/09 15:44	VS	39596
Methyl tert-butyl ether	< 2.00	µg/Kg	2 00	1	06/12/09 15 44	VS	39596
Naphthalene	< 10 0	µg/Kg	10 0	1	06/12/09 15 44	VS	39596
n-Propylbenzene	< 2 00	µg/Kg	2 00	1	06/12/09 15:44	VS	39596
Styrene	< 2 00	µg/Kg	2.00	1	06/12/09 15:44	VS	39596

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*1	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/19/09 5586 HEPACO

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"A Laboratory Management Partner"

Hepaco, Inc.
731 East Brooks Road
Memphis, TN 38116

Project Description: **e2m Defense Depot** **Backfill**
Site: **TN**

Lab Order Number: **09-154-0284**
Lab ID: **0906072-001A**
Field ID: **001 Backfill**
Sample Number: **67604**

Report of Analysis
Received: **06/03/09**
Matrix: **Soil**
Sampled: **06/02/09 17:00**

Analytical Method 8260B

Prep Method 5030A **Prep Batch(s)** 24933 **Date/Time Prepped** 06/12/09 9:35

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
1,1,1,2-Tetrachloroethane	< 2 00	µg/Kg	2.00	1	06/12/09 15:44	VS	39596
1,1,2,2-Tetrachloroethane	< 2 00	µg/Kg	2 00	1	06/12/09 15:44	VS	39596
Tetrachloroethene	< 2.00	µg/Kg	2.00	1	06/12/09 15.44	VS	39596
Toluene	< 10.0	µg/Kg	10.0	1	06/12/09 15:44	VS	39596
1,2,3-Trichlorobenzene	< 2.00	µg/Kg	2 00	1	06/12/09 15:44	VS	39596
1,2,4-Trichlorobenzene	< 2 00	µg/Kg	2.00	1	06/12/09 15:44	VS	39596
1,1,1-Trichloroethane	< 2 00	µg/Kg	2 00	1	06/12/09 15:44	VS	39596
1,1,2-Trichloroethane	< 2 00	µg/Kg	2.00	1	06/12/09 15.44	VS	39596
Trichloroethene	< 2.00	µg/Kg	2 00	1	06/12/09 15:44	VS	39596
Trichlorofluoromethane	< 2.00	µg/Kg	2.00	1	06/12/09 15:44	VS	39596
1,2,3-Trichloropropane	< 2.00	µg/Kg	2.00	1	06/12/09 15:44	VS	39596
1,2,4-Trimethylbenzene	< 2.00	µg/Kg	2.00	1	06/12/09 15:44	VS	39596
1,3,5-Trimethylbenzene	< 2 00	µg/Kg	2.00	1	06/12/09 15:44	VS	39596
Vinyl acetate	< 20.0	µg/Kg	20.0	1	06/12/09 15:44	VS	39596
Vinyl chloride	< 2.00	µg/Kg	2.00	1	06/12/09 15 44	VS	39596
m,p-Xylene	< 4.00	µg/Kg	4.00	1	06/12/09 15:44	VS	39596
o-Xylene	< 2 00	µg/Kg	2 00	1	06/12/09 15:44	VS	39596
Surrogate: **Dibromofluoromethane**		**136 % ***	Limits. **75-120**	1	**06/12/09 15:44**	**VS**	**39596**
Surrogate. Toluene-d8		107 %	Limits· 79-122	1	06/12/09 15 44	VS	39596
Surrogate· **4-Bromofluorobenzene**		**139 % ***	Limits. **86-128**	1	**06/12/09 15:44**	**VS**	**39596**
Surrogate. **1,2-Dichloroethane-d4**		**170 % ***	Limits **71-132**	1	**06/12/09 15:44**	**VS**	**39596**

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/19/09 5586 HEPACO

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Hepaco, Inc.
731 East Brooks Road
Memphis, TN 38116

Project Description **e2m Defense Depot Backfill**
Site **TN**

Lab Order Number **09-154-0284**
Lab ID **0906072-002A**
Field ID **002 Backfill**
Sample Number **67605**

Report of Analysis
Received **06/03/09**
Matrix **Soil**
Sampled **06/02/09 17:10**

Analytical Method 8081A

Prep Method 3550B **Prep Batch(s)** 24842 **Date/Time Prepped** 06/05/09 10:59

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Aldrin	< 2 00	µg/Kg	2 00	10	06/18/09 12.56	DPC	39703
alpha-BHC	< 2 00	µg/Kg	2 00	10	06/18/09 12.56	DPC	39703
beta-BHC	< 2.00	µg/Kg	2.00	10	06/18/09 12:56	DPC	39703
delta-BHC	< 2 00	µg/Kg	2 00	10	06/18/09 12.56	DPC	39703
gamma-BHC	< 2.00	µg/Kg	2.00	10	06/18/09 12:56	DPC	39703
alpha-Chlordane	< 2 00	µg/Kg	2 00	10	06/18/09 12.56	DPC	39703
gamma-Chlordane	< 2.00	µg/Kg	2 00	10	06/18/09 12:56	DPC	39703
Chlordane	< 20.0	µg/Kg	20.0	10	06/18/09 12:56	DPC	39703
4,4'-DDD	< 2 00	µg/Kg	2 00	10	06/18/09 12 56	DPC	39703
4,4'-DDE	< 2 00	µg/Kg	2.00	10	06/18/09 12 56	DPC	39703
4,4'-DDT	< 2 00	µg/Kg	2.00	10	06/18/09 12:56	DPC	39703
Dieldrin	< 2.00	µg/Kg	2 00	10	06/18/09 12:56	DPC	39703
Endosulfan I	< 2.00	µg/Kg	2 00	10	06/18/09 12:56	DPC	39703
Endosulfan II	< 2 00	µg/Kg	2.00	10	06/18/09 12:56	DPC	39703
Endosulfan sulfate	< 2.00	µg/Kg	2.00	10	06/18/09 12:56	DPC	39703
Endrin	< 2.00	µg/Kg	2 00	10	06/18/09 12:56	DPC	39703
Endrin aldehyde	< 2.00	µg/Kg	2 00	10	06/18/09 12:56	DPC	39703
Endrin ketone	< 2.00	µg/Kg	2 00	10	06/18/09 12:56	DPC	39703
Heptachlor	< 2.00	µg/Kg	2.00	10	06/18/09 12 56	DPC	39703
Heptachlor epoxide	< 2.00	µg/Kg	2.00	10	06/18/09 12.56	DPC	39703
Methoxychlor	< 2.00	µg/Kg	2.00	10	06/18/09 12:56	DPC	39703
Mirex	< 2.00	µg/Kg	2 00	10	06/18/09 12:56	DPC	39703
Toxaphene	< 200	µg/Kg	200	10	06/18/09 12 56	DPC	39703
Surrogate: Decachlorobiphenyl		71 %	Limits: 37-165	10	06/18/09 12 56	DPC	39703
Surrogate: Tetrachloro-m-xylene		35 %	Limits: 18-158	10	06/18/09 12.56	DPC	39703

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/19/09 5586 HEPACO

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Hepaco, Inc.
731 East Brooks Road
Memphis, TN 38116

Project Description **e2m Defense Depot Backfill**
Site **TN**

Lab Order Number **09-154-0284**
Lab ID **0906072-002A**
Field ID **002 Backfill**
Sample Number **67605**

Report of Analysis

Received **06/03/09**
Matrix **Soil**
Sampled **06/02/09 17:10**

Analytical Method 8082

Prep Method 3550B **Prep Batch(s)** 24841 **Date/Time Prepped** 06/05/09 10:54

Compound	Result	Units		MQL	DF	Date/Time Analyzed	By	Analytical Batch
Aroclor 1016	< 35.0	µg/Kg		35.0	1	06/10/09 15:43	DPC	39570
Aroclor 1221	< 35 0	µg/Kg		35.0	1	06/10/09 15:43	DPC	39570
Aroclor 1232	< 35 0	µg/Kg		35.0	1	06/10/09 15:43	DPC	39570
Aroclor 1242	< 35 0	µg/Kg		35.0	1	06/10/09 15:43	DPC	39570
Aroclor 1248	< 35.0	µg/Kg		35 0	1	06/10/09 15:43	DPC	39570
Aroclor 1254	< 35.0	µg/Kg		35 0	1	06/10/09 15:43	DPC	39570
Aroclor 1260	< 35.0	µg/Kg		35 0	1	06/10/09 15 43	DPC	39570
Surrogate: Decachlorobiphenyl		69 %	Limits	17-141	1	06/10/09 15.43	DPC	39570
Surrogate Tetrachloro-m-xylene		46 %	Limits:	20-122	1	06/10/09 15:43	DPC	39570

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/19/09 5586 HEPACO

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731 East Brooks Road
Memphis, TN 38116

Project Description **e2m Defense-Depot Backfill** Site **TN**

Lab Order Number **09-154-0284**
Lab ID **0906072-002A**
Field ID **002 Backfill**
Sample Number **67605**

Report of Analysis

Received **06/03/09**
Matrix **Soil**
Sampled **06/02/09 17:10**

Analytical Method 8151A

Prep Method 8151A **Prep Batch(s)** 24836 **Date/Time Prepped** 06/04/09 9:13

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
2,4-D	< 30.0	µg/Kg	30.0	1	06/08/09 22:28	DPC	39546
2,4-DB	< 20.0	µg/Kg	20.0	1	06/08/09 22:28	DPC	39546
2,4,5-TP (Silvex)	< 1 00	µg/Kg	1.00	1	06/08/09 22:28	DPC	39546
2,4,5-T	< 5.00	µg/Kg	5.00	1	06/08/09 22:28	DPC	39546
Dalapon	< 60 0	µg/Kg	60.0	1	06/08/09 22 28	DPC	39546
Dicamba	< 20.0	µg/Kg	20.0	1	06/08/09 22:28	DPC	39546
Dichlorprop	< 10 0	µg/Kg	10.0	1	06/08/09 22:28	DPC	39546
Dinoseb	< 15 0	µg/Kg	15.0	1	06/08/09 22.28	DPC	39546
MCPA	**904 Q**	**µg/Kg**	**510**	**1**	**06/08/09 22:28**	**DPC**	**39546**
MCPP	< 1,000	µg/Kg	1,000	1	06/08/09 22 28	DPC	39546
Picloram	< 10.0	µg/Kg	10.0	1	06/08/09 22:28	DPC	39546
Surrogate: DCAA		51 %	Limits: 20-150	1	06/08/09 22.28	DPC	39546

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/19/09 5586 HEPACO

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731 East Brooks Road
Memphis, TN 38116

Project **e2m Defense Depot** Site **TN**
Description **Backfill**

Lab Order Number **09-154-0284**
Lab ID **0906072-002A**
Field ID **002 Backfill**
Sample Number **67605**

Report of Analysis

Received **06/03/09**
Matrix **Soil**
Sampled **06/02/09 17:10**

Analytical Method 8270C

Prep Method 3550B **Prep Batch(s)** 24874 **Date/Time Prepped** 06/09/09 11.13

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Acenaphthene	< 66.7	µg/Kg	66 7	1	06/10/09 21:17	LD1	39578
Acenaphthylene	< 66.7	µg/Kg	66.7	1	06/10/09 21:17	LD1	39578
Acetophenone	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
Aniline	< 170	µg/Kg	170	1	06/10/09 21.17	LD1	39578
Anthracene	< 66 7	µg/Kg	66.7	1	06/10/09 21.17	LD1	39578
Benzidine	< 670 M	µg/Kg	670	1	06/10/09 21.17	LD1	39578
Benzo(a)anthracene	< 66.7	µg/Kg	66.7	1	06/10/09 21:17	LD1	39578
Benzo(b)fluoranthene	< 66.7	µg/Kg	66 7	1	06/10/09 21:17	LD1	39578
Benzo(k)fluoranthene	< 66 7	µg/Kg	66.7	1	06/10/09 21:17	LD1	39578
Benzo(g,h,i)perylene	< 66 7	µg/Kg	66.7	1	06/10/09 21:17	LD1	39578
Benzo(a)pyrene	< 66 7	µg/Kg	66.7	1	06/10/09 21.17	LD1	39578
Benzoic acid	< 330	µg/Kg	330	1	06/10/09 21:17	LD1	39578
Benzyl alcohol	< 330	µg/Kg	330	1	06/10/09 21:17	LD1	39578
Bis(2-chloroethyl)ether	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
Bis(2-chloroethoxy)methane	< 170	µg/Kg	170	1	06/10/09 21 17	LD1	39578
Bis(2-chloroisopropyl)ether	< 170	µg/Kg	170	1	06/10/09 21 17	LD1	39578
Bis(2-ethylhexyl)phthalate	< 330	µg/Kg	330	1	06/10/09 21 17	LD1	39578
4-Bromophenyl phenyl ether	< 170	µg/Kg	170	1	06/10/09 21.17	LD1	39578
Butyl benzyl phthalate	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
Carbazole	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
4-Chloroaniline	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
4-Chloro-3-methylphenol	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
2-Chloronaphthalene	< 170	µg/Kg	170	1	06/10/09 21.17	LD1	39578
2-Chlorophenol	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
4-Chlorophenyl phenyl ether	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
Chrysene	< 66 7	µg/Kg	66.7	1	06/10/09 21.17	LD1	39578
Dibenz(a,h)anthracene	< 66.7	µg/Kg	66.7	1	06/10/09 21.17	LD1	39578

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*1	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/19/09 5586 HEPACO

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Hepaco, Inc.
731 East Brooks Road
Memphis, TN 38116

Project Description: **e2m Defense Depot** / **Backfill**
Site: **TN**

Lab Order Number: **09-154-0284**
Lab ID: **0906072-002A**
Field ID: **002 Backfill**
Sample Number: **67605**

Report of Analysis
Received: **06/03/09**
Matrix: **Soil**
Sampled: **06/02/09 17:10**

Analytical Method 8270C

Prep Method 3550B **Prep Batch(s)** 24874 **Date/Time Prepped** 06/09/09 11:13

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Dibenzofuran	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
1,2-Dichlorobenzene	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
1,3-Dichlorobenzene	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
1,4-Dichlorobenzene	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
Di-n-butyl phthalate	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
3,3'-Dichlorobenzidine	< 330	µg/Kg	330	1	06/10/09 21:17	LD1	39578
2,4-Dichlorophenol	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
2,6-Dichlorophenol	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
Dichlorophenols (Total)	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
Diethyl phthalate	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
3,3'-Dimethylbenzidine	< 330 M	µg/Kg	330	1	06/10/09 21:17	LD1	39578
2,4-Dimethylphenol	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
Dimethyl phthalate	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
4,6-Dinitro-2-methylphenol	< 330	µg/Kg	330	1	06/10/09 21:17	LD1	39578
2,4-Dinitrophenol	< 1,670	µg/Kg	1,670	1	06/10/09 21:17	LD1	39578
2,4-Dinitrotoluene	< 170	µg/Kg	170	1	06/10/09 21.17	LD1	39578
2,6-Dinitrotoluene	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
Di-n-octyl phthalate	< 170	µg/Kg	170	1	06/10/09 21 17	LD1	39578
Fluoranthene	< 66.7	µg/Kg	66 7	1	06/10/09 21:17	LD1	39578
Fluorene	< 66.7	µg/Kg	66.7	1	06/10/09 21.17	LD1	39578
Hexachlorobenzene	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
Hexachlorobutadiene	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
Hexachlorocyclopentadiene	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
Hexachloroethane	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
Indeno(1,2,3-cd)pyrene	< 66 7	µg/Kg	66.7	1	06/10/09 21:17	LD1	39578
Isophorone	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
2-Methylnaphthalene	< 66.7	µg/Kg	66 7	1	06/10/09 21:17	LD1	39578

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*1	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
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MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

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731 East Brooks Road
Memphis, TN 38116

Project **e2m Defense Depot** Site **TN**
Description **Backfill**

Lab Order Number **09-154-0284**
Lab ID **0906072-002A**
Field ID **002 Backfill**
Sample Number **67605**

Report of Analysis

Received **06/03/09**
Matrix **Soil**
Sampled **06/02/09 17:10**

Analytical Method 8270C

Prep Method 3550B **Prep Batch(s)** 24874 **Date/Time Prepped** 06/09/09 11.13

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
2-Methylphenol	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
3&4-Methylphenol	< 170	µg/Kg	170	1	06/10/09 21.17	LD1	39578
Naphthalene	< 66.7	µg/Kg	66.7	1	06/10/09 21 17	LD1	39578
2-Nitroaniline	< 170	µg/Kg	170	1	06/10/09 21 17	LD1	39578
3-Nitroaniline	< 330	µg/Kg	330	1	06/10/09 21:17	LD1	39578
4-Nitroaniline	< 170	µg/Kg	170	1	06/10/09 21 17	LD1	39578
Nitrobenzene	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
2-Nitrophenol	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
4-Nitrophenol	< 660	µg/Kg	660	1	06/10/09 21:17	LD1	39578
N-Nitroso-di-n-butylamine	< 170	µg/Kg	170	1	06/10/09 21.17	LD1	39578
N-Nitrosodiethylamine	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
N-Nitrosodimethylamine	< 170	µg/Kg	170	1	06/10/09 21.17	LD1	39578
N-Nitrosodiphenylamine	< 330	µg/Kg	330	1	06/10/09 21:17	LD1	39578
N-Nitrosodi-n-propylamine	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
Pentachlorophenol	< 330	µg/Kg	330	1	06/10/09 21:17	LD1	39578
Phenanthrene	< 66.7	µg/Kg	66 7	1	06/10/09 21 17	LD1	39578
Phenol	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
Pyrene	< 66 7	µg/Kg	66.7	1	06/10/09 21:17	LD1	39578
Pyridine	< 330	µg/Kg	330	1	06/10/09 21:17	LD1	39578
1,2,3,4-Tetrachlorobenzene	< 66 7	µg/Kg	66.7	1	06/10/09 21:17	LD1	39578
1,2,4,5-Tetrachlorobenzene	< 170	µg/Kg	170	1	06/10/09 21 17	LD1	39578
2,3,4,6-Tetrachlorophenol	< 170	µg/Kg	170	1	06/10/09 21 17	LD1	39578
Tetrachlorophenols (Total)	< 170	µg/Kg	170	1	06/10/09 21.17	LD1	39578
1,2,4-Trichlorobenzene	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
2,4,5-Trichlorophenol	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578
2,4,6-Trichlorophenol	< 170	µg/Kg	170	1	06/10/09 21.17	LD1	39578
Trichlorophenols (Total)	< 170	µg/Kg	170	1	06/10/09 21:17	LD1	39578

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/19/09 5586 HEPACO

ETC Environmental Testing & Consulting, Inc.
2790 Whitten Road Memphis, Tennessee 38133 (901) 213-2400 Fax (901) 213-2440
"A Laboratory Management Partner"

Hepaco, Inc.
731 East Brooks Road
Memphis, TN 38116

Project Description **e2m Defense Depot** **Backfill**
Site **TN**

Lab Order Number **09-154-0284**
Lab ID **0906072-002A**
Field ID **002 Backfill**
Sample Number **67605**

Report of Analysis
Received **06/03/09**
Matrix **Soil**
Sampled **06/02/09 17:10**

Analytical Method 8270C

Prep Method 3550B **Prep Batch(s)** 24874 **Date/Time Prepped** 06/09/09 11:13

Compound		Result	Units		MQL	DF	Date/Time Analyzed	By	Analytical Batch
Surrogate:	Nitrobenzene-d5		39 %	Limits:	25-110	1	06/10/09 21:17	LD1	39578
Surrogate:	**2-Fluorobiphenyl**		**29 % ***	Limits.	**33-114**	**1**	**06/10/09 21:17**	**LD1**	**39578**
Surrogate:	4-Terphenyl-d14		47 %	Limits	37-115	1	06/10/09 21:17	LD1	39578
Surrogate:	Phenol-d6		42 %	Limits.	11-125	1	06/10/09 21:17	LD1	39578
Surrogate:	2,4,6-Tnbromophenol		41 %	Limits	9-134	1	06/10/09 21:17	LD1	39578
Surrogate.	2-Fluorophenol		39 %	Limits.	10-119	1	06/10/09 21:17	LD1	39578

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*1	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

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Hepaco, Inc.
731 East Brooks Road
Memphis, TN 38116

Project **e2m Defense Depot** Site **TN**
Description **Backfill**

Lab Order Number **09-154-0284**
Lab ID **0906072-002A**
Field ID **002 Backfill**
Sample Number **67605**

Report of Analysis

Received **06/03/09**
Matrix **Soil**
Sampled **06/02/09 17:10**

Analytical Method 8260B

Prep Method 5030A **Prep Batch(s)** 24933 **Date/Time Prepped** 06/12/09 9:35

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Acetone	< 40 0	µg/Kg	40.0	1	06/12/09 16.20	VS	39596
Acetonitrile	< 100	µg/Kg	100	1	06/12/09 16:20	VS	39596
Acrolein	< 40 0	µg/Kg	40.0	1	06/12/09 16:20	VS	39596
Acrylonitrile	< 40.0	µg/Kg	40 0	1	06/12/09 16:20	VS	39596
Benzene	< 2 00	µg/Kg	2 00	1	06/12/09 16 20	VS	39596
Bromobenzene	< 2.00	µg/Kg	2 00	1	06/12/09 16 20	VS	39596
Bromochloromethane	< 2.00	µg/Kg	2.00	1	06/12/09 16:20	VS	39596
Bromodichloromethane	< 2.00	µg/Kg	2.00	1	06/12/09 16:20	VS	39596
Bromoform	< 2.00	µg/Kg	2.00	1	06/12/09 16:20	VS	39596
Bromomethane	< 2 00	µg/Kg	2 00	1	06/12/09 16:20	VS	39596
n-Butylbenzene	< 2.00	µg/Kg	2 00	1	06/12/09 16.20	VS	39596
sec-Butylbenzene	< 2.00	µg/Kg	2 00	1	06/12/09 16 20	VS	39596
tert-Butylbenzene	< 2.00	µg/Kg	2 00	1	06/12/09 16:20	VS	39596
2-Butanone (MEK)	< 40 0	µg/Kg	40 0	1	06/12/09 16:20	VS	39596
Carbon disulfide	< 2.00	µg/Kg	2.00	1	06/12/09 16:20	VS	39596
Carbon tetrachloride	< 2 00	µg/Kg	2.00	1	06/12/09 16.20	VS	39596
Chlorobenzene	< 2.00	µg/Kg	2.00	1	06/12/09 16:20	VS	39596
Chlorodibromomethane	< 2.00	µg/Kg	2.00	1	06/12/09 16.20	VS	39596
Chloroethane	< 2.00	µg/Kg	2 00	1	06/12/09 16:20	VS	39596
Chloroform	< 2 00	µg/Kg	2.00	1	06/12/09 16:20	VS	39596
Chloromethane	< 2 00	µg/Kg	2 00	1	06/12/09 16 20	VS	39596
2-Chlorotoluene	< 2 00	µg/Kg	2 00	1	06/12/09 16:20	VS	39596
4-Chlorotoluene	< 2 00	µg/Kg	2 00	1	06/12/09 16:20	VS	39596
1,2-Dibromo-3-chloropropane	< 10 0	µg/Kg	10 0	1	06/12/09 16:20	VS	39596
1,2-Dibromoethane	< 2 00	µg/Kg	2.00	1	06/12/09 16:20	VS	39596
Dibromomethane	< 2.00	µg/Kg	2 00	1	06/12/09 16.20	VS	39596
1,2-Dichlorobenzene	< 2 00	µg/Kg	2 00	1	06/12/09 16:20	VS	39596

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*1	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/19/09 5586 HEPACO

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2790 Whitten Road Memphis, Tennessee 38133 (901) 213-2400 Fax (901) 213-2440
"A Laboratory Management Partner"

Hepaco, Inc.
731 East Brooks Road
Memphis, TN 38116

Project Description **e2m Defense Depot Backfill** Site **TN**

Lab Order Number **09-154-0284**
Lab ID **0906072-002A**
Field ID **002 Backfill**
Sample Number **67605**

Report of Analysis

Received **06/03/09**
Matrix **Soil**
Sampled **06/02/09 17:10**

Analytical Method 8260B

Prep Method 5030A **Prep Batch(s)** 24933 **Date/Time Prepped** 06/12/09 9:35

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
1,3-Dichlorobenzene	< 2.00	µg/Kg	2.00	1	06/12/09 16.20	VS	39596
1,4-Dichlorobenzene	< 2.00	µg/Kg	2.00	1	06/12/09 16:20	VS	39596
Dichlorodifluoromethane	< 2.00	µg/Kg	2.00	1	06/12/09 16:20	VS	39596
1,1-Dichloroethane	< 2.00	µg/Kg	2.00	1	06/12/09 16:20	VS	39596
1,2-Dichloroethane	< 2.00	µg/Kg	2.00	1	06/12/09 16.20	VS	39596
1,1-Dichloroethene	< 2 00	µg/Kg	2.00	1	06/12/09 16:20	VS	39596
cis-1,2-Dichloroethene	< 2.00	µg/Kg	2 00	1	06/12/09 16:20	VS	39596
trans-1,2-Dichloroethene	< 2 00	µg/Kg	2 00	1	06/12/09 16:20	VS	39596
1,2-Dichloropropane	< 2.00	µg/Kg	2 00	1	06/12/09 16:20	VS	39596
1,3-Dichloropropane	< 2 00	µg/Kg	2 00	1	06/12/09 16:20	VS	39596
2,2-Dichloropropane	< 2 00	µg/Kg	2.00	1	06/12/09 16:20	VS	39596
1,1-Dichloropropene	< 2 00	µg/Kg	2.00	1	06/12/09 16:20	VS	39596
cis-1,3-Dichloropropene	< 2 00	µg/Kg	2.00	1	06/12/09 16:20	VS	39596
trans-1,3-Dichloropropene	< 2 00	µg/Kg	2.00	1	06/12/09 16:20	VS	39596
Ethyl acetate	< 20 0	µg/Kg	20.0	1	06/12/09 16:20	VS	39596
Ethylbenzene	< 2.00	µg/Kg	2.00	1	06/12/09 16:20	VS	39596
Hexachlorobutadiene	< 2.00	µg/Kg	2.00	1	06/12/09 16:20	VS	39596
2-Hexanone	< 10.0	µg/Kg	10 0	1	06/12/09 16:20	VS	39596
Iodomethane	< 10.0	µg/Kg	10.0	1	06/12/09 16:20	VS	39596
Isopropylbenzene	< 2.00	µg/Kg	2 00	1	06/12/09 16:20	VS	39596
4-Isopropyltoluene	< 2 00	µg/Kg	2.00	1	06/12/09 16:20	VS	39596
Methylene chloride	< 40.0	µg/Kg	40 0	1	06/12/09 16:20	VS	39596
4-Methyl-2-pentanone	< 10 0	µg/Kg	10 0	1	06/12/09 16:20	VS	39596
Methyl tert-butyl ether	< 2.00	µg/Kg	2 00	1	06/12/09 16.20	VS	39596
Naphthalene	< 10.0	µg/Kg	10.0	1	06/12/09 16:20	VS	39596
n-Propylbenzene	< 2 00	µg/Kg	2 00	1	06/12/09 16.20	VS	39596
Styrene	< 2 00	µg/Kg	2 00	1	06/12/09 16 20	VS	39596

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*I	Recoveries affected by interferences or high background
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E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
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Hepaco, Inc.
731 East Brooks Road
Memphis, TN 38116

Project Description **e2m Defense Depot** **Backfill**
Site **TN**

Lab Order Number **09-154-0284**
Lab ID **0906072-002A**
Field ID **002 Backfill**
Sample Number **67605**

Report of Analysis

Received **06/03/09**
Matrix **Soil**
Sampled **06/02/09 17:10**

Analytical Method 8260B

Prep Method 5030A **Prep Batch(s)** 24933 **Date/Time Prepped** 06/12/09 9:35

Compound	Result	Units		MQL	DF	Date/Time Analyzed	By	Analytical Batch
1,1,1,2-Tetrachloroethane	< 2.00	µg/Kg		2 00	1	06/12/09 16:20	VS	39596
1,1,2,2-Tetrachloroethane	< 2.00	µg/Kg		2.00	1	06/12/09 16:20	VS	39596
Tetrachloroethene	< 2 00	µg/Kg		2.00	1	06/12/09 16 20	VS	39596
Toluene	< 10.0	µg/Kg		10.0	1	06/12/09 16.20	VS	39596
1,2,3-Trichlorobenzene	< 2.00	µg/Kg		2 00	1	06/12/09 16:20	VS	39596
1,2,4-Trichlorobenzene	< 2.00	µg/Kg		2 00	1	06/12/09 16:20	VS	39596
1,1,1-Trichloroethane	< 2.00	µg/Kg		2.00	1	06/12/09 16.20	VS	39596
1,1,2-Trichloroethane	< 2 00	µg/Kg		2.00	1	06/12/09 16 20	VS	39596
Trichloroethene	< 2 00	µg/Kg		2.00	1	06/12/09 16 20	VS	39596
Trichlorofluoromethane	< 2 00	µg/Kg		2.00	1	06/12/09 16 20	VS	39596
1,2,3-Trichloropropane	< 2.00	µg/Kg		2 00	1	06/12/09 16:20	VS	39596
1,2,4-Trimethylbenzene	< 2.00	µg/Kg		2 00	1	06/12/09 16:20	VS	39596
1,3,5-Trimethylbenzene	< 2.00	µg/Kg		2.00	1	06/12/09 16 20	VS	39596
Vinyl acetate	< 20.0	µg/Kg		20.0	1	06/12/09 16:20	VS	39596
Vinyl chloride	< 2 00	µg/Kg		2 00	1	06/12/09 16 20	VS	39596
m,p-Xylene	< 4.00	µg/Kg		4.00	1	06/12/09 16:20	VS	39596
o-Xylene	< 2.00	µg/Kg		2 00	1	06/12/09 16:20	VS	39596
Surrogate: Dibromofluoromethane		110 %	Limits:	75-120	1	06/12/09 16.20	VS	39596
Surrogate: Toluene-d8		83 %	Limits:	79-122	1	06/12/09 16:20	VS	39596
Surrogate: 4-Bromofluorobenzene		101 %	Limits:	86-128	1	06/12/09 16 20	VS	39596
Surrogate: **1,2-Dichloroethane-d4**		**133 % ***	Limits:	**71-132**	**1**	**06/12/09 16:20**	**VS**	**39596**

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*1	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/19/09 5586 HEPACO

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Hepaco, Inc.
731 East Brooks Road
Memphis, TN 38116

Project **e2m Defense Depot** Site **TN**
Description **Backfill**

Lab Order Number **09-154-0284**
Lab ID **0906072-003A**
Field ID **003 Backfill**
Sample Number **67606**

Report of Analysis

Received **06/03/09**
Matrix **Soil**
Sampled **06/02/09 17:10**

Analytical Method 8081A

Prep Method 3550B **Prep Batch(s)** 24842 **Date/Time Prepped** 06/05/09 10:59

Compound	Result	Units		MQL	DF	Date/Time Analyzed	By	Analytical Batch
Aldrin	< 2.00	µg/Kg		2.00	10	06/18/09 13:15	DPC	39703
alpha-BHC	< 2.00	µg/Kg		2.00	10	06/18/09 13:15	DPC	39703
beta-BHC	< 2 00	µg/Kg		2 00	10	06/18/09 13:15	DPC	39703
delta-BHC	< 2.00	µg/Kg		2.00	10	06/18/09 13:15	DPC	39703
gamma-BHC	< 2.00	µg/Kg		2.00	10	06/18/09 13:15	DPC	39703
alpha-Chlordane	< 2.00	µg/Kg		2.00	10	06/18/09 13:15	DPC	39703
gamma-Chlordane	< 2.00	µg/Kg		2.00	10	06/18/09 13:15	DPC	39703
Chlordane	< 20.0	µg/Kg		20 0	10	06/18/09 13:15	DPC	39703
4,4'-DDD	< 2.00	µg/Kg		2.00	10	06/18/09 13:15	DPC	39703
4,4'-DDE	< 2.00	µg/Kg		2 00	10	06/18/09 13:15	DPC	39703
4,4'-DDT	< 2.00	µg/Kg		2 00	10	06/18/09 13:15	DPC	39703
Dieldrin	< 2 00	µg/Kg		2 00	10	06/18/09 13:15	DPC	39703
Endosulfan I	< 2.00	µg/Kg		2 00	10	06/18/09 13:15	DPC	39703
Endosulfan II	< 2 00	µg/Kg		2.00	10	06/18/09 13:15	DPC	39703
Endosulfan sulfate	< 2 00	µg/Kg		2.00	10	06/18/09 13:15	DPC	39703
Endrin	< 2 00	µg/Kg		2.00	10	06/18/09 13:15	DPC	39703
Endrin aldehyde	< 2.00	µg/Kg		2.00	10	06/18/09 13:15	DPC	39703
Endrin ketone	**12.1**	**µg/Kg**		**2.00**	**10**	**06/18/09 13:15**	**DPC**	**39703**
Heptachlor	< 2.00	µg/Kg		2.00	10	06/18/09 13:15	DPC	39703
Heptachlor epoxide	< 2.00	µg/Kg		2 00	10	06/18/09 13:15	DPC	39703
Methoxychlor	< 2 00	µg/Kg		2.00	10	06/18/09 13:15	DPC	39703
Mirex	< 2 00	µg/Kg		2 00	10	06/18/09 13:15	DPC	39703
Toxaphene	< 200	µg/Kg		200	10	06/18/09 13.15	DPC	39703
Surrogate: Decachlorobiphenyl		72 %	Limits	37-165	10	06/18/09 13:15	DPC	39703
Surrogate. Tetrachloro-m-xylene		37 %	Limits	18-158	10	06/18/09 13.15	DPC	39703

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

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Hepaco, Inc.
731 East Brooks Road
Memphis, TN 38116

Project **e2m Defense Depot** Site **TN**
Description **Backfill**

Lab Order Number **09-154-0284**
Lab ID **0906072-003A**
Field ID **003 Backfill**
Sample Number **67606**

Report of Analysis

Received **06/03/09**
Matrix **Soil**
Sampled **06/02/09 17:10**

Analytical Method 8082

Prep Method 3550B **Prep Batch(s)** 24841 **Date/Time Prepped** 06/05/09 10:54

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Aroclor 1016	< 35 0	µg/Kg	35.0	1	06/10/09 16 42	DPC	39570
Aroclor 1221	< 35 0	µg/Kg	35.0	1	06/10/09 16.42	DPC	39570
Aroclor 1232	< 35 0	µg/Kg	35.0	1	06/10/09 16:42	DPC	39570
Aroclor 1242	< 35.0	µg/Kg	35.0	1	06/10/09 16:42	DPC	39570
Aroclor 1248	< 35.0	µg/Kg	35.0	1	06/10/09 16:42	DPC	39570
Aroclor 1254	< 35 0	µg/Kg	35.0	1	06/10/09 16:42	DPC	39570
Aroclor 1260	< 35 0	µg/Kg	35.0	1	06/10/09 16.42	DPC	39570
Surrogate: Decachlorobiphenyl		70 %	Limits: 17-141	1	06/10/09 16:42	DPC	39570
Surrogate: Tetrachloro-m-xylene		41 %	Limits: 20-122	1	06/10/09 16:42	DPC	39570

Qualifiers/ Definitions				
	*	Surrogate Recovery outside accepted limits	* 1	Recoveries affected by interferences or high background
	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
	J	Estimated Value Analyte below reported detection limit	M	Minimum value
	MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
	MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
	Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/19/09 5586 HEPACO

ETC Environmental Testing & Consulting, Inc.
2790 Whitten Road Memphis, Tennessee 38133 (901) 213-2400 Fax (901) 213-2449
"A Laboratory Management Partner"

Hepaco, Inc.
731 East Brooks Road
Memphis, TN 38116

Project Description **e2m Defense Depot** **Backfill**
Site **TN**

Lab Order Number **09-154-0284**
Lab ID **0906072-003A**
Field ID **003 Backfill**
Sample Number **67606**

Report of Analysis
Received **06/03/09**
Matrix **Soil**
Sampled **06/02/09 17:10**

Analytical Method 8151A

Prep Method 8151A **Prep Batch(s)** 24836 **Date/Time Prepped** 06/04/09 9:13

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
2,4-D	< 30 0	µg/Kg	30 0	1	06/08/09 22 49	DPC	39546
2,4-DB	< 20 0	µg/Kg	20.0	1	06/08/09 22.49	DPC	39546
2,4,5-TP (Silvex)	< 1.00	µg/Kg	1.00	1	06/08/09 22:49	DPC	39546
2,4,5-T	< 5.00	µg/Kg	5.00	1	06/08/09 22 49	DPC	39546
Dalapon	< 60.0	µg/Kg	60.0	1	06/08/09 22:49	DPC	39546
Dicamba	< 20 0	µg/Kg	20 0	1	06/08/09 22:49	DPC	39546
Dichlorprop	< 10.0	µg/Kg	10.0	1	06/08/09 22:49	DPC	39546
Dinoseb	< 15.0	µg/Kg	15.0	1	06/08/09 22 49	DPC	39546
MCPA	**1,720**	**µg/Kg**	**510**	**1**	**06/08/09 22:49**	**DPC**	**39546**
MCPP	< 1,000	µg/Kg	1,000	1	06/08/09 22 49	DPC	39546
Picloram	< 10.0	µg/Kg	10.0	1	06/08/09 22.49	DPC	39546
Surrogate. DCAA		62 %	Limits: 20-150	1	06/08/09 22:49	DPC	39546

Qualifiers/ Definitions				
	*	Surrogate Recovery outside accepted limits	*I	Recoveries affected by interferences or high background
	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
	J	Estimated Value Analyte below reported detection limit	M	Minimum value
	MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
	MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
	Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/19/09 5586 HEPACO

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2790 Whitten Road Memphis, Tennessee 38133 (901) 213-2400 Fax (901) 213-2440
"A Laboratory Management Partner"

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731 East Brooks Road
Memphis, TN 38116

Project **e2m Defense Depot** Site **TN**
Description **Backfill**

Lab Order Number **09-154-0284**
Lab ID **0906072-003A**
Field ID **003 Backfill**
Sample Number **67606**

Report of Analysis

Received **06/03/09**
Matrix **Soil**
Sampled **06/02/09 17:10**

Analytical Method 8270C

Prep Method 3550B **Prep Batch(s)** 24874 **Date/Time Prepped** 06/09/09 11:13

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Acenaphthene	< 66.7	µg/Kg	66.7	1	06/10/09 21:50	LD1	39578
Acenaphthylene	< 66.7	µg/Kg	66.7	1	06/10/09 21.50	LD1	39578
Acetophenone	< 170	µg/Kg	170	1	06/10/09 21:50	LD1	39578
Aniline	< 170	µg/Kg	170	1	06/10/09 21:50	LD1	39578
Anthracene	< 66 7	µg/Kg	66.7	1	06/10/09 21:50	LD1	39578
Benzidine	< 670 M	µg/Kg	670	1	06/10/09 21:50	LD1	39578
Benzo(a)anthracene	< 66.7	µg/Kg	66.7	1	06/10/09 21 50	LD1	39578
Benzo(b)fluoranthene	< 66 7	µg/Kg	66 7	1	06/10/09 21 50	LD1	39578
Benzo(k)fluoranthene	< 66.7	µg/Kg	66.7	1	06/10/09 21.50	LD1	39578
Benzo(g,h,i)perylene	< 66.7	µg/Kg	66 7	1	06/10/09 21 50	LD1	39578
Benzo(a)pyrene	< 66.7	µg/Kg	66.7	1	06/10/09 21:50	LD1	39578
Benzoic acid	< 330	µg/Kg	330	1	06/10/09 21:50	LD1	39578
Benzyl alcohol	< 330	µg/Kg	330	1	06/10/09 21:50	LD1	39578
Bis(2-chloroethyl)ether	< 170	µg/Kg	170	1	06/10/09 21:50	LD1	39578
Bis(2-chloroethoxy)methane	< 170	µg/Kg	170	1	06/10/09 21 50	LD1	39578
Bis(2-chloroisopropyl)ether	< 170	µg/Kg	170	1	06/10/09 21.50	LD1	39578
Bis(2-ethylhexyl)phthalate	< 330	µg/Kg	330	1	06/10/09 21:50	LD1	39578
4-Bromophenyl phenyl ether	< 170	µg/Kg	170	1	06/10/09 21:50	LD1	39578
Butyl benzyl phthalate	< 170	µg/Kg	170	1	06/10/09 21 50	LD1	39578
Carbazole	< 170	µg/Kg	170	1	06/10/09 21 50	LD1	39578
4-Chloroaniline	< 170	µg/Kg	170	1	06/10/09 21:50	LD1	39578
4-Chloro-3-methylphenol	< 170	µg/Kg	170	1	06/10/09 21 50	LD1	39578
2-Chloronaphthalene	< 170	µg/Kg	170	1	06/10/09 21.50	LD1	39578
2-Chlorophenol	< 170	µg/Kg	170	1	06/10/09 21:50	LD1	39578
4-Chlorophenyl phenyl ether	< 170	µg/Kg	170	1	06/10/09 21.50	LD1	39578
Chrysene	< 66.7	µg/Kg	66 7	1	06/10/09 21 50	LD1	39578
Dibenz(a,h)anthracene	< 66 7	µg/Kg	66.7	1	06/10/09 21:50	LD1	39578

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/19/09 5586 HEPACO

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Hepaco, Inc.
731 East Brooks Road
Memphis, TN 38116

Project Description: **e2m Defense Depot** **Backfill**
Site: **TN**

Lab Order Number: **09-154-0284**
Lab ID: **0906072-003A**
Field ID: **003 Backfill**
Sample Number: **67606**

Report of Analysis
Received: **06/03/09**
Matrix: **Soil**
Sampled: **06/02/09 17:10**

Analytical Method 8270C

Prep Method 3550B **Prep Batch(s)** 24874 **Date/Time Prepped** 06/09/09 11 13

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Dibenzofuran	< 170	µg/Kg	170	1	06/10/09 21:50	LD1	39578
1,2-Dichlorobenzene	< 170	µg/Kg	170	1	06/10/09 21:50	LD1	39578
1,3-Dichlorobenzene	< 170	µg/Kg	170	1	06/10/09 21.50	LD1	39578
1,4-Dichlorobenzene	< 170	µg/Kg	170	1	06/10/09 21 50	LD1	39578
Di-n-butyl phthalate	< 170	µg/Kg	170	1	06/10/09 21:50	LD1	39578
3,3'-Dichlorobenzidine	< 330	µg/Kg	330	1	06/10/09 21:50	LD1	39578
2,4-Dichlorophenol	< 170	µg/Kg	170	1	06/10/09 21:50	LD1	39578
2,6-Dichlorophenol	< 170	µg/Kg	170	1	06/10/09 21:50	LD1	39578
Dichlorophenols (Total)	< 170	µg/Kg	170	1	06/10/09 21:50	LD1	39578
Diethyl phthalate	< 170	µg/Kg	170	1	06/10/09 21:50	LD1	39578
3,3'-Dimethylbenzidine	< 330 M	µg/Kg	330	1	06/10/09 21:50	LD1	39578
2,4-Dimethylphenol	< 170	µg/Kg	170	1	06/10/09 21 50	LD1	39578
Dimethyl phthalate	< 170	µg/Kg	170	1	06/10/09 21:50	LD1	39578
4,6-Dinitro-2-methylphenol	< 330	µg/Kg	330	1	06/10/09 21:50	LD1	39578
2,4-Dinitrophenol	< 1,670	µg/Kg	1,670	1	06/10/09 21:50	LD1	39578
2,4-Dinitrotoluene	< 170	µg/Kg	170	1	06/10/09 21:50	LD1	39578
2,6-Dinitrotoluene	< 170	µg/Kg	170	1	06/10/09 21:50	LD1	39578
Di-n-octyl phthalate	< 170	µg/Kg	170	1	06/10/09 21:50	LD1	39578
Fluoranthene	< 66 7	µg/Kg	66.7	1	06/10/09 21:50	LD1	39578
Fluorene	< 66 7	µg/Kg	66 7	1	06/10/09 21.50	LD1	39578
Hexachlorobenzene	< 170	µg/Kg	170	1	06/10/09 21:50	LD1	39578
Hexachlorobutadiene	< 170	µg/Kg	170	1	06/10/09 21.50	LD1	39578
Hexachlorocyclopentadiene	< 170	µg/Kg	170	1	06/10/09 21.50	LD1	39578
Hexachloroethane	< 170	µg/Kg	170	1	06/10/09 21:50	LD1	39578
Indeno(1,2,3-cd)pyrene	< 66.7	µg/Kg	66.7	1	06/10/09 21:50	LD1	39578
Isophorone	< 170	µg/Kg	170	1	06/10/09 21:50	LD1	39578
2-Methylnaphthalene	< 66.7	µg/Kg	66 7	1	06/10/09 21:50	LD1	39578

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
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Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/19/09 5586 HEPACO

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Hepaco, Inc.
731 East Brooks Road
Memphis, TN 38116

Project Description: **e2m Defense Depot** **Backfill**
Site: **TN**

Lab Order Number: **09-154-0284**
Lab ID: **0906072-003A**
Field ID: **003 Backfill**
Sample Number: **67606**

Report of Analysis

Received: **06/03/09**
Matrix: **Soil**
Sampled: **06/02/09 17:10**

Analytical Method 8270C

Prep Method 3550B **Prep Batch(s)** 24874 **Date/Time Prepped** 06/09/09 11:13

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
2-Methylphenol	< 170	µg/Kg	170	1	06/10/09 21:50	LD1	39578
3&4-Methylphenol	< 170	µg/Kg	170	1	06/10/09 21 50	LD1	39578
Naphthalene	< 66.7	µg/Kg	66 7	1	06/10/09 21:50	LD1	39578
2-Nitroaniline	< 170	µg/Kg	170	1	06/10/09 21:50	LD1	39578
3-Nitroaniline	< 330	µg/Kg	330	1	06/10/09 21:50	LD1	39578
4-Nitroaniline	< 170	µg/Kg	170	1	06/10/09 21 50	LD1	39578
Nitrobenzene	< 170	µg/Kg	170	1	06/10/09 21 50	LD1	39578
2-Nitrophenol	< 170	µg/Kg	170	1	06/10/09 21 50	LD1	39578
4-Nitrophenol	< 660	µg/Kg	660	1	06/10/09 21.50	LD1	39578
N-Nitroso-di-n-butylamine	< 170	µg/Kg	170	1	06/10/09 21 50	LD1	39578
N-Nitrosodiethylamine	< 170	µg/Kg	170	1	06/10/09 21.50	LD1	39578
N-Nitrosodimethylamine	< 170	µg/Kg	170	1	06/10/09 21:50	LD1	39578
N-Nitrosodiphenylamine	< 330	µg/Kg	330	1	06/10/09 21:50	LD1	39578
N-Nitrosodi-n-propylamine	< 170	µg/Kg	170	1	06/10/09 21:50	LD1	39578
Pentachlorophenol	< 330	µg/Kg	330	1	06/10/09 21:50	LD1	39578
Phenanthrene	< 66.7	µg/Kg	66.7	1	06/10/09 21:50	LD1	39578
Phenol	< 170	µg/Kg	170	1	06/10/09 21 50	LD1	39578
Pyrene	< 66 7	µg/Kg	66 7	1	06/10/09 21:50	LD1	39578
Pyridine	< 330	µg/Kg	330	1	06/10/09 21:50	LD1	39578
1,2,3,4-Tetrachlorobenzene	< 66.7	µg/Kg	66.7	1	06/10/09 21:50	LD1	39578
1,2,4,5-Tetrachlorobenzene	< 170	µg/Kg	170	1	06/10/09 21:50	LD1	39578
2,3,4,6-Tetrachlorophenol	< 170	µg/Kg	170	1	06/10/09 21 50	LD1	39578
Tetrachlorophenols (Total)	< 170	µg/Kg	170	1	06/10/09 21 50	LD1	39578
1,2,4-Trichlorobenzene	< 170	µg/Kg	170	1	06/10/09 21 50	LD1	39578
2,4,5-Trichlorophenol	< 170	µg/Kg	170	1	06/10/09 21:50	LD1	39578
2,4,6-Trichlorophenol	< 170	µg/Kg	170	1	06/10/09 21:50	LD1	39578
Trichlorophenols (Total)	< 170	µg/Kg	170	1	06/10/09 21 50	LD1	39578

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/19/09 5586 HEPACO

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"A Laboratory Management Partner"

Hepaco, Inc.
731 East Brooks Road
Memphis, TN 38116

Project Description **e2m Defense Depot, Backfill** Site **TN**

Lab Order Number **09-154-0284**
Lab ID **0906072-003A**
Field ID **003 Backfill**
Sample Number **67606**

Report of Analysis
Received **06/03/09**
Matrix **Soil**
Sampled **06/02/09 17:10**

Analytical Method 8270C

Prep Method 3550B **Prep Batch(s)** 24874 **Date/Time Prepped** 06/09/09 11:13

Compound	Result	Units		MQL	DF	Date/Time Analyzed	By	Analytical Batch
Surrogate. Nitrobenzene-d5	43	%	Limits:	25-110	1	06/10/09 21.50	LD1	39578
Surrogate: **2-Fluorobiphenyl**	**33**	**% ***	Limits:	**33-114**	**1**	**06/10/09 21:50**	**LD1**	**39578**
Surrogate. 4-Terphenyl-d14	53	%	Limits:	37-115	1	06/10/09 21:50	LD1	39578
Surrogate. Phenol-d6	46	%	Limits:	11-125	1	06/10/09 21:50	LD1	39578
Surrogate: 2,4,6-Tribromophenol	50	%	Limits.	9-134	1	06/10/09 21:50	LD1	39578
Surrogate 2-Fluorophenol	43	%	Limits:	10-119	1	06/10/09 21:50	LD1	39578

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*1	Recoveries affected by interferences or high background
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06/19/09 5586 HEPACO

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731 East Brooks Road
Memphis, TN 38116

Project Description **e2m Defense Depot Backfill** Site **TN**

Lab Order Number **09-154-0284**
Lab ID **0906072-003A**
Field ID **003 Backfill**
Sample Number **67606**

Report of Analysis

Received **06/03/09**
Matrix **Soil**
Sampled **06/02/09 17:10**

Analytical Method 8260B

Prep Method 5030A **Prep Batch(s)** 24933 **Date/Time Prepped** 06/12/09 9:35

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Acetone	< 40 0	µg/Kg	40.0	1	06/12/09 16:55	VS	39596
Acetonitrile	< 100	µg/Kg	100	1	06/12/09 16 55	VS	39596
Acrolein	< 40.0	µg/Kg	40.0	1	06/12/09 16:55	VS	39596
Acrylonitrile	< 40.0	µg/Kg	40 0	1	06/12/09 16:55	VS	39596
Benzene	< 2.00	µg/Kg	2.00	1	06/12/09 16:55	VS	39596
Bromobenzene	< 2.00	µg/Kg	2 00	1	06/12/09 16.55	VS	39596
Bromochloromethane	< 2.00	µg/Kg	2 00	1	06/12/09 16.55	VS	39596
Bromodichloromethane	< 2.00	µg/Kg	2.00	1	06/12/09 16:55	VS	39596
Bromoform	< 2.00	µg/Kg	2 00	1	06/12/09 16:55	VS	39596
Bromomethane	< 2.00	µg/Kg	2.00	1	06/12/09 16:55	VS	39596
n-Butylbenzene	< 2 00	µg/Kg	2 00	1	06/12/09 16 55	VS	39596
sec-Butylbenzene	< 2 00	µg/Kg	2 00	1	06/12/09 16.55	VS	39596
tert-Butylbenzene	< 2 00	µg/Kg	2.00	1	06/12/09 16.55	VS	39596
2-Butanone (MEK)	< 40.0	µg/Kg	40 0	1	06/12/09 16 55	VS	39596
Carbon disulfide	< 2 00	µg/Kg	2.00	1	06/12/09 16.55	VS	39596
Carbon tetrachloride	< 2.00	µg/Kg	2.00	1	06/12/09 16:55	VS	39596
Chlorobenzene	< 2.00	µg/Kg	2 00	1	06/12/09 16:55	VS	39596
Chlorodibromomethane	< 2.00	µg/Kg	2 00	1	06/12/09 16:55	VS	39596
Chloroethane	< 2.00	µg/Kg	2 00	1	06/12/09 16 55	VS	39596
Chloroform	< 2.00	µg/Kg	2.00	1	06/12/09 16 55	VS	39596
Chloromethane	< 2 00	µg/Kg	2.00	1	06/12/09 16:55	VS	39596
2-Chlorotoluene	< 2 00	µg/Kg	2 00	1	06/12/09 16 55	VS	39596
4-Chlorotoluene	< 2.00	µg/Kg	2 00	1	06/12/09 16:55	VS	39596
1,2-Dibromo-3-chloropropane	< 10 0	µg/Kg	10.0	1	06/12/09 16:55	VS	39596
1,2-Dibromoethane	< 2.00	µg/Kg	2.00	1	06/12/09 16:55	VS	39596
Dibromomethane	< 2.00	µg/Kg	2 00	1	06/12/09 16 55	VS	39596
1,2-Dichlorobenzene	< 2 00	µg/Kg	2.00	1	06/12/09 16 55	VS	39596

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*1	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
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Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

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Memphis, TN 38116

Project **e2m Defense Depot** Site **TN**
Description **Backfill**

Lab Order Number **09-154-0284**
Lab ID **0906072-003A**
Field ID **003 Backfill**
Sample Number **67606**

Report of Analysis
Received **06/03/09**
Matrix **Soil**
Sampled **06/02/09 17:10**

Analytical Method 8260B

Prep Method 5030A **Prep Batch(s)** 24933 **Date/Time Prepped** 06/12/09 9:35

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
1,3-Dichlorobenzene	< 2.00	µg/Kg	2.00	1	06/12/09 16.55	VS	39596
1,4-Dichlorobenzene	< 2.00	µg/Kg	2.00	1	06/12/09 16:55	VS	39596
Dichlorodifluoromethane	< 2.00	µg/Kg	2.00	1	06/12/09 16.55	VS	39596
1,1-Dichloroethane	< 2.00	µg/Kg	2.00	1	06/12/09 16.55	VS	39596
1,2-Dichloroethane	< 2.00	µg/Kg	2 00	1	06/12/09 16:55	VS	39596
1,1-Dichloroethene	< 2.00	µg/Kg	2.00	1	06/12/09 16 55	VS	39596
cis-1,2-Dichloroethene	< 2.00	µg/Kg	2.00	1	06/12/09 16 55	VS	39596
trans-1,2-Dichloroethene	< 2 00	µg/Kg	2.00	1	06/12/09 16:55	VS	39596
1,2-Dichloropropane	< 2 00	µg/Kg	2.00	1	06/12/09 16:55	VS	39596
1,3-Dichloropropane	< 2 00	µg/Kg	2.00	1	06/12/09 16:55	VS	39596
2,2-Dichloropropane	< 2.00	µg/Kg	2.00	1	06/12/09 16:55	VS	39596
1,1-Dichloropropene	< 2.00	µg/Kg	2.00	1	06/12/09 16.55	VS	39596
cis-1,3-Dichloropropene	< 2.00	µg/Kg	2.00	1	06/12/09 16 55	VS	39596
trans-1,3-Dichloropropene	< 2 00	µg/Kg	2.00	1	06/12/09 16:55	VS	39596
Ethyl acetate	< 20.0	µg/Kg	20.0	1	06/12/09 16 55	VS	39596
Ethylbenzene	< 2.00	µg/Kg	2.00	1	06/12/09 16 55	VS	39596
Hexachlorobutadiene	< 2.00	µg/Kg	2.00	1	06/12/09 16:55	VS	39596
2-Hexanone	< 10 0	µg/Kg	10.0	1	06/12/09 16 55	VS	39596
Iodomethane	< 10 0	µg/Kg	10 0	1	06/12/09 16.55	VS	39596
Isopropylbenzene	< 2.00	µg/Kg	2 00	1	06/12/09 16 55	VS	39596
4-Isopropyltoluene	< 2.00	µg/Kg	2 00	1	06/12/09 16.55	VS	39596
Methylene chloride	< 40 0	µg/Kg	40.0	1	06/12/09 16 55	VS	39596
4-Methyl-2-pentanone	< 10.0	µg/Kg	10.0	1	06/12/09 16 55	VS	39596
Methyl tert-butyl ether	< 2.00	µg/Kg	2.00	1	06/12/09 16.55	VS	39596
Naphthalene	< 10 0	µg/Kg	10.0	1	06/12/09 16:55	VS	39596
n-Propylbenzene	< 2.00	µg/Kg	2.00	1	06/12/09 16:55	VS	39596
Styrene	< 2.00	µg/Kg	2.00	1	06/12/09 16:55	VS	39596

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*1	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/19/09 5586 HEPACO

ETC Environmental Testing & Consulting, Inc.
www.etcmemphis.com 2790 Whitten Road Memphis, Tennessee 38133 (901) 213-2400 Fax (901) 213-2440
"A Laboratory Management Partner"

Hepaco, Inc.
731 East Brooks Road
Memphis, TN 38116

Project Description **e2m Defense Depot** **Backfill**
Site **TN**

Lab Order Number **09-154-0284**
Lab ID **0906072-003A**
Field ID **003 Backfill**
Sample Number **67606**

Report of Analysis

Received **06/03/09**
Matrix **Soil**
Sampled **06/02/09 17:10**

Analytical Method 8260B

Prep Method 5030A **Prep Batch(s)** 24933 **Date/Time Prepped** 06/12/09 9 35

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
1,1,1,2-Tetrachloroethane	< 2.00	µg/Kg	2 00	1	06/12/09 16.55	VS	39596
1,1,2,2-Tetrachloroethane	< 2.00	µg/Kg	2.00	1	06/12/09 16:55	VS	39596
Tetrachloroethene	< 2.00	µg/Kg	2 00	1	06/12/09 16:55	VS	39596
Toluene	< 10 0	µg/Kg	10.0	1	06/12/09 16:55	VS	39596
1,2,3-Trichlorobenzene	< 2.00	µg/Kg	2.00	1	06/12/09 16:55	VS	39596
1,2,4-Trichlorobenzene	< 2.00	µg/Kg	2 00	1	06/12/09 16:55	VS	39596
1,1,1-Trichloroethane	< 2.00	µg/Kg	2 00	1	06/12/09 16:55	VS	39596
1,1,2-Trichloroethane	< 2.00	µg/Kg	2 00	1	06/12/09 16:55	VS	39596
Trichloroethene	< 2 00	µg/Kg	2 00	1	06/12/09 16 55	VS	39596
Trichlorofluoromethane	< 2 00	µg/Kg	2 00	1	06/12/09 16:55	VS	39596
1,2,3-Trichloropropane	< 2 00	µg/Kg	2 00	1	06/12/09 16.55	VS	39596
1,2,4-Trimethylbenzene	< 2.00	µg/Kg	2 00	1	06/12/09 16:55	VS	39596
1,3,5-Trimethylbenzene	< 2.00	µg/Kg	2.00	1	06/12/09 16 55	VS	39596
Vinyl acetate	< 20.0	µg/Kg	20.0	1	06/12/09 16 55	VS	39596
Vinyl chloride	< 2 00	µg/Kg	2 00	1	06/12/09 16.55	VS	39596
m,p-Xylene	< 4 00	µg/Kg	4 00	1	06/12/09 16:55	VS	39596
o-Xylene	< 2 00	µg/Kg	2.00	1	06/12/09 16.55	VS	39596
Surrogate. Dibromofluoromethane		110 %	Limits 75-120	1	06/12/09 16 55	VS	39596
Surrogate: Toluene-d8		83 %	Limits 79-122	1	06/12/09 16 55	VS	39596
Surrogate: 4-Bromofluorobenzene		95 %	Limits 86-128	1	06/12/09 16:55	VS	39596
Surrogate 1,2-Dichloroethane-d4		**138 % ***	Limits **71-132**	**1**	**06/12/09 16:55**	**VS**	**39596**

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/19/09 5586 HEPACO

ETC ENVIRONMENTAL TESTING & CONSULTING, INC.
www.etcmemphis.com
2790 Whitten Road Memphis Tennessee 38133 (901) 213-2400 Fax (901) 213-2440
"A Laboratory Management Partner"

Cooler Receipt Form

Customer Number: **05586**
Customer Name: **Hepaco, Inc.**
Report Number: **09-154-0284**

Shipping Method

○ FedEx ○ UPS ○ US Postal ● Client ○ LMP ○ Courier ○ Other:

Shipping container/cooler uncompromised?	● Yes	○ No	○ Not Present
Custody seals intact on shipping container/cooler?	○ Yes	○ No	● Not Required
Custody seals intact on sample bottles?	○ Yes	○ No	● Not Required
Chain of Custody present?	● Yes	○ No	
COC agrees with sample labels?	● Yes	○ No	
Samples in proper containers?	● Yes	○ No	
Sample containers intact?	● Yes	○ No	
Sufficient sample volume for indicated tests?	● Yes	○ No	
All samples received within holding time?	● Yes	○ No	
Container temperature in compliance?	● Yes	○ No	
Water - VOA vials free of headspace?	○ Yes	○ No	● N/A
Water - Preservation acceptable upon receipt?	○ Yes	○ No	● N/A
Samples screened for radioactivity (COE only)?	○ Yes	○ No	● N/A
Special precautions or instructions included?	○ Yes	● No	

Comments:

Any regulatory non-compliance issues will be recorded on non-compliance report.

Signature: Rebekah Ross

Date & Time: 06/03/2009 13:30:00

0906072

ETC Environmental Testing & Consulting, Inc.
www.etcmemphis.com
2790 Whitten Rd. Memphis, TN 38133 (901) 213-2400 Fax (901) 213-2440

Chain of Custody

09-154-0284
05586
Jun 3 2009
4:38PM
Hepaco, Inc.
e2m Defense Depot Backfill

10001553

Company Name: Hepaco, Inc.	Account Number:
Project/Site: e2m Defense Depot Backfill	State Project Loc.: TN
Project Manager/Contact: David Moore	RUSH (Surcharges may apply): ☐
E-Mail Address: dmoore@hepaco.com	Ice: ☒
Phone Number: 9014833404	PO Number: 5001283
FID Number:	Project Number:

Type of Event (Routine Sampling Events Only)
(•) Single ( ) Daily ( ) Weekly ( ) Monthly ( ) Quarterly ( ) Semi-Annual ( ) Annually

Matrix
1) Wastewater 4) Sludge
2) Aqueous 5) Oil/Solvent
3) Soil/Sediment 6) Other

Analysis Requested
(Note special detection limits / method:

Which Regulations Apply?
☐ NPDES ☐ Risk Based Limits
☐ Wastewater ☐ TRRP 13
☐ RCRA ☐ LA RECAP
☐ UST ☐ USACE
Other ☐

# Containers	Sample ID/Number	Depth	Sample Date & Time	Matrix	Grab/Comp	VOCs	SVOCs	Herbicides	Pesticides	RCRA 8	PCB's				Comments	Lab ID Number (for internal use only)
1	001 Backfill	3'	6/2 1700		X	X	X	X	X	X	X					
1	002 Backfill	6'	6/2 1710		X	X	X	X	X	X	X					
	003 BACKFILL	3½'	"		X	X	X	X	X	X	X					

Sampled By: Dan Moore
Method of Shipment:
Blank/Cooler Temp: 4C
Remarks:

Relinquished By (sign): Dan Moore	Date: 6-3-09	Time: 12:40	Received By (sign):
Relinquished By (sign):	Date: 6/3/09	Time:	Received By (print/sign):
			Date: 6/3/09 Time: 12:41
			Date: 6/3/09 Time: 1830

Please return ETC Sample Kit Request Form with Chain of Custody

10001554

09-154-0284
D5586
Jun 3 2009
4:38PM

Hepaco, Inc.
e2m Defense Depot Backfill
0906072

PURCHASE ORDER

If Confirming ☐

P.O. # 5001283

Page 1 of 1

Invoices/Statements to:

HEPACO, INC.
and Subsidiaries
P.O. Box 26308
Charlotte, NC 28221-6308
(704) 598-9782 • Fax (704) 598-7823

Project No. 9511001

Cost Code 555.12

Division 511

Location MEM

Date 6.3.09

F.O.B. _____

Via _____

Terms _____

Supply the following as indicated herein and per the terms and conditions of the reverse side of this Purchase Order.
Shipment or delivery of Goods or Services constitutes acceptance of the terms of this Agreement/Purchase Order.
All invoices must have Purchase Order # referenced.
HEPACO is not sales tax exempt. Sales tax must be reflected on invoices.

SUBCONTRACTOR/SELLER	SHIP TO:
To: ETC	P\U
2790 WHITTEN RD	
MEMPHIS, TN. 38133	
Representative: 901.213.2400	Attention:
Phone: CRAIG WARD	

Ordered	Account # Inventory #	Description	Price	Per	Extended Price
3		VOC	85	255	~~[illegible]~~
2		SVOC	200	400	400
2		HERB	135	405	270
3		RCRA 8	75	225	~~150~~
2		PEST	95	285	~~[illegible]~~
2		PCB	50	150	~~100~~
				Subtotal	
				Sales Tax	
				Shipping	1920
				TOTAL	[illegible]

THE EQUAL OPPORTUNITY and AFFIRMATIVE ACTION clauses of 41 CFR 60-1.4(a),60-741.4 are hereby incorporated by reference. Subcontractor/Seller agrees to take the following actions as appropriate. File SF-100(60-1.7(a)), certify absence of segregated facilities (60-1.8(b)), prepare written Affirmative Program (60-1.40(a),50-250.5(a),60-751(A)).

Accepted by: _____
For Subcontractor Seller

The terms and conditions printed on the back, and those contained in any attachments, form a part of this Agreement/Purchase Order. Acceptance is expressly based on acceptance of the terms and conditions of this Agreement/Purchase Orders. Goods and services covered by this Agreement/Purchase Order are subject to sales tax unless otherwise specified.

Ordered by: _____ Date: _____

Authorized by: _____
For HEPACO, Inc. (Contractor/Buyer)

White: Vendor • Yellow: Branch • Pink: Accounting

10001555

ETC www.etcmemphis.com
ENVIRONMENTAL TESTING & CONSULTING, INC.
2790 Whitten Road Memphis, Tennessee 38133 (901) 213-2400 Fax (901) 213-2440
"A Laboratory Management Partner"

6/25/2009

Hepaco, Inc.
Mr. David Moore
731 East Brooks Road
Memphis, TN, 38116

Ref: Analytical Testing
Report Number: 09-163-0258
Project Description: e2m Defense Depot Backfill

Dear Mr. David Moore:

Environmental Testing and Consulting, Inc. received 1 sample(s) on 6/12/2009 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in our laboratory in accordance with Standard Methods, The Solid Waste Manual SW-846, EPA Methods for Chemical Analysis of Water and Wastes and /or 40 CFR part 136.

The EPA requires that water samples analyzed for pH, dissolved oxygen and total residual chlorine be analyzed in the field. Analyses and results reported which do not indicate "Field" for these parameters were analyzed outside the holding time as specified in Table II of 40 CFR Part 136.3.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, instrumentation maintenance and calibration were performed in accordance with guidelines established by the USEPA and NELAP.

The results are shown on the attached analysis sheet(s).

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,

Randall H. Thomas

Randy Thomas
Project Manager

Alabama	#40750	Louisiana	#04015	Florida	#E87943	California	#05240CA
Arkansas	#88-0650	Mississippi		Pennsylvania	#68-3195	Texas	#T104704180-05-TX
Illinois	#200015	Oklahoma	#9311	USDA	#S-46279		
Kentucky	#90047	Tennessee	#02027	EPA	#TN00012		
Kentucky UST	#41	Virginia	#00106	NELAP	#100456		

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05586
Hepaco, Inc.
Mr. David Moore
731 East Brooks Road
Memphis , TN 38116

Project ID :
Description : e2m Defense Depot Backfill
Project # 9521027

Report Date : 6/25/2009

Report Number : **09-163-0258**

REPORT OF ANALYSIS

Received : 6/12/2009

Lab No : **68886**
Sample ID : **001 Backfill**

Matrix: **Solids**
Sampled: **6/12/2009 9:00**

Test	Results	Units	MQL	Date / Time Analyzed	By	Analytical Method
Total Selenium	<0.489	mg/Kg	0.489	06/19/09 06:27	NP	SW-6010B
Total Lead	**9.38**	mg/Kg	0.293	06/19/09 06:27	NP	SW-6010B
Total Mercury	**0.02738**	mg/Kg	0.00615	06/15/09 15:45	TJ	SW-7471A
Total Cadmium	<0.097	mg/Kg	0.097	06/19/09 06:27	NP	SW-6010B
Total Arsenic	**3.23**	mg/Kg	0.489	06/19/09 06:27	NP	SW-6010B
Total Chromium	**6.91**	mg/Kg	0.244	06/19/09 06:27	NP	SW-6010B
Total Silver	<0.244	mg/Kg	0.244	06/19/09 06:27	NP	SW-6010B
Total Barium	**64.3**	mg/Kg	0.489	06/19/09 06:27	NP	SW-6010B

Qualifiers/ Definitions MQL Method Quantitation Limit

10001557

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Hepaco, Inc.
731 East Brooks Road
Memphis, TN 38116

Project **E2M Defense Depot**
Description **Backfill**
Project No. **9521027**

Lab Order Number **09-163-0258**
Lab ID **0906267-001A**
Field ID **001 Backfill**
Sample Number **68886**

Report of Analysis

Received **06/12/09**
Matrix **Soil**
Sampled **06/12/09 9:00**

Analytical Method 8260B

Prep Method 5030A **Prep Batch(s)** 25050 **Date/Time Prepped** 06/22/09 11:34

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Acetone	< 40.0	µg/Kg	40.0	1	06/22/09 18:05	VS	39716
Acetonitrile	< 100	µg/Kg	100	1	06/22/09 18:05	VS	39716
Acrolein	< 40.0	µg/Kg	40.0	1	06/22/09 18:05	VS	39716
Acrylonitrile	< 40.0	µg/Kg	40.0	1	06/22/09 18:05	VS	39716
Benzene	< 2.00	µg/Kg	2.00	1	06/22/09 18:05	VS	39716
Bromobenzene	< 2 00	µg/Kg	2.00	1	06/22/09 18:05	VS	39716
Bromochloromethane	< 2 00	µg/Kg	2.00	1	06/22/09 18:05	VS	39716
Bromodichloromethane	< 2 00	µg/Kg	2.00	1	06/22/09 18:05	VS	39716
Bromoform	< 2 00	µg/Kg	2.00	1	06/22/09 18:05	VS	39716
Bromomethane	< 2 00	µg/Kg	2.00	1	06/22/09 18.05	VS	39716
n-Butylbenzene	< 2 00	µg/Kg	2.00	1	06/22/09 18 05	VS	39716
sec-Butylbenzene	< 2 00	µg/Kg	2.00	1	06/22/09 18 05	VS	39716
tert-Butylbenzene	< 2 00	µg/Kg	2.00	1	06/22/09 18:05	VS	39716
2-Butanone (MEK)	< 40.0	µg/Kg	40.0	1	06/22/09 18.05	VS	39716
Carbon disulfide	< 2 00	µg/Kg	2 00	1	06/22/09 18 05	VS	39716
Carbon tetrachloride	< 2.00	µg/Kg	2 00	1	06/22/09 18 05	VS	39716
Chlorobenzene	< 2.00	µg/Kg	2 00	1	06/22/09 18 05	VS	39716
Chlorodibromomethane	< 2 00	µg/Kg	2.00	1	06/22/09 18.05	VS	39716
Chloroethane	< 2.00	µg/Kg	2 00	1	06/22/09 18 05	VS	39716
Chloroform	< 2.00	µg/Kg	2.00	1	06/22/09 18:05	VS	39716
Chloromethane	< 2.00	µg/Kg	2 00	1	06/22/09 18 05	VS	39716
2-Chlorotoluene	< 2.00	µg/Kg	2 00	1	06/22/09 18 05	VS	39716
4-Chlorotoluene	< 2.00	µg/Kg	2 00	1	06/22/09 18.05	VS	39716
1,2-Dibromo-3-chloropropane	< 10 0	µg/Kg	10.0	1	06/22/09 18:05	VS	39716
1,2-Dibromoethane	< 2 00	µg/Kg	2 00	1	06/22/09 18 05	VS	39716
Dibromomethane	< 2 00	µg/Kg	2.00	1	06/22/09 18.05	VS	39716
1,2-Dichlorobenzene	< 2 00	µg/Kg	2.00	1	06/22/09 18 05	VS	39716

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*1	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/25/09 5586 HEPACO

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2790 Whitten Road Memphis, Tennessee 38133 (901) 213-2400 Fax (901) 213-2440
"A Laboratory Management Partner"

Hepaco, Inc.
731 East Brooks Road

Memphis, TN 38116

Project Description **E2M Defense Depot Backfill**
Project No. **9521027**

Lab Order Number **09-163-0258**
Lab ID **0906267-001A**
Field ID **001 Backfill**
Sample Number **68886**

Report of Analysis

Received **06/12/09**
Matrix **Soil**
Sampled **06/12/09 9:00**

Analytical Method 8260B

Prep Method 5030A **Prep Batch(s)** 25050 **Date/Time Prepped** 06/22/09 11:34

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
1,3-Dichlorobenzene	< 2.00	µg/Kg	2 00	1	06/22/09 18:05	VS	39716
1,4-Dichlorobenzene	< 2.00	µg/Kg	2.00	1	06/22/09 18:05	VS	39716
Dichlorodifluoromethane	< 2 00	µg/Kg	2 00	1	06/22/09 18:05	VS	39716
1,1-Dichloroethane	< 2 00	µg/Kg	2.00	1	06/22/09 18:05	VS	39716
1,2-Dichloroethane	< 2.00	µg/Kg	2.00	1	06/22/09 18:05	VS	39716
1,1-Dichloroethene	< 2.00	µg/Kg	2.00	1	06/22/09 18:05	VS	39716
cis-1,2-Dichloroethene	< 2 00	µg/Kg	2 00	1	06/22/09 18:05	VS	39716
trans-1,2-Dichloroethene	< 2.00	µg/Kg	2.00	1	06/22/09 18:05	VS	39716
1,2-Dichloropropane	< 2.00	µg/Kg	2.00	1	06/22/09 18:05	VS	39716
1,3-Dichloropropane	< 2.00	µg/Kg	2.00	1	06/22/09 18:05	VS	39716
2,2-Dichloropropane	< 2.00	µg/Kg	2 00	1	06/22/09 18:05	VS	39716
1,1-Dichloropropene	< 2.00	µg/Kg	2 00	1	06/22/09 18:05	VS	39716
cis-1,3-Dichloropropene	< 2.00	µg/Kg	2 00	1	06/22/09 18:05	VS	39716
trans-1,3-Dichloropropene	< 2.00	µg/Kg	2.00	1	06/22/09 18:05	VS	39716
Ethyl acetate	< 20.0	µg/Kg	20.0	1	06/22/09 18.05	VS	39716
Ethylbenzene	< 2.00	µg/Kg	2 00	1	06/22/09 18:05	VS	39716
Hexachlorobutadiene	< 2.00	µg/Kg	2 00	1	06/22/09 18.05	VS	39716
2-Hexanone	< 10 0	µg/Kg	10.0	1	06/22/09 18:05	VS	39716
Iodomethane	< 10 0	µg/Kg	10.0	1	06/22/09 18.05	VS	39716
Isopropylbenzene	< 2 00	µg/Kg	2.00	1	06/22/09 18:05	VS	39716
4-Isopropyltoluene	< 2.00	µg/Kg	2.00	1	06/22/09 18.05	VS	39716
Methylene chloride	< 20.0	µg/Kg	20.0	1	06/22/09 18:05	VS	39716
4-Methyl-2-pentanone	< 10.0	µg/Kg	10.0	1	06/22/09 18:05	VS	39716
Methyl tert-butyl ether	< 2 00	µg/Kg	2.00	1	06/22/09 18:05	VS	39716
Naphthalene	< 10 0	µg/Kg	10 0	1	06/22/09 18 05	VS	39716
n-Propylbenzene	< 2 00	µg/Kg	2.00	1	06/22/09 18:05	VS	39716
Styrene	< 2 00	µg/Kg	2.00	1	06/22/09 18:05	VS	39716

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/25/09 5586 HEPACO

ETC Environmental Testing & Consulting, Inc.
www.etcmemphis.com 2750 Whitten Road Memphis, Tennessee 38133 (901) 213-2400 Fax (901) 213-2449
"A Laboratory Management Partner"

Hepaco, Inc.
731 East Brooks Road

Memphis, TN 38116

Project Description **E2M Defense Depot** **Backfill**
Project No. **9521027**

Lab Order Number **09-163-0258**
Lab ID **0906267-001A**
Field ID **001 Backfill**
Sample Number **68886**

Report of Analysis

Received **06/12/09**
Matrix **Soil**
Sampled **06/12/09 9:00**

Analytical Method 8260B

Prep Method 5030A **Prep Batch(s)** 25050 **Date/Time Prepped** 06/22/09 11:34

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
1,1,1,2-Tetrachloroethane	< 2.00	µg/Kg	2.00	1	06/22/09 18 05	VS	39716
1,1,2,2-Tetrachloroethane	< 2.00	µg/Kg	2.00	1	06/22/09 18.05	VS	39716
Tetrachloroethene	< 2.00	µg/Kg	2.00	1	06/22/09 18.05	VS	39716
Toluene	< 10.0	µg/Kg	10 0	1	06/22/09 18:05	VS	39716
1,2,3-Trichlorobenzene	< 2.00	µg/Kg	2.00	1	06/22/09 18.05	VS	39716
1,2,4-Trichlorobenzene	< 2.00	µg/Kg	2.00	1	06/22/09 18:05	VS	39716
1,1,1-Trichloroethane	< 2.00	µg/Kg	2.00	1	06/22/09 18:05	VS	39716
1,1,2-Trichloroethane	< 2.00	µg/Kg	2.00	1	06/22/09 18.05	VS	39716
Trichloroethene	< 2.00	µg/Kg	2.00	1	06/22/09 18:05	VS	39716
Trichlorofluoromethane	< 2 00	µg/Kg	2.00	1	06/22/09 18:05	VS	39716
1,2,3-Trichloropropane	< 2.00	µg/Kg	2 00	1	06/22/09 18:05	VS	39716
1,2,4-Trimethylbenzene	**3.42**	**µg/Kg**	**2.00**	**1**	**06/22/09 18:05**	**VS**	**39716**
1,3,5-Trimethylbenzene	< 2 00	µg/Kg	2 00	1	06/22/09 18:05	VS	39716
Vinyl acetate	< 20.0	µg/Kg	20 0	1	06/22/09 18:05	VS	39716
Vinyl chloride	< 2.00	µg/Kg	2.00	1	06/22/09 18.05	VS	39716
m,p-Xylene	**5.02**	**µg/Kg**	**4.00**	**1**	**06/22/09 18:05**	**VS**	**39716**
o-Xylene	< 2.00	µg/Kg	2.00	1	06/22/09 18.05	VS	39716
Surrogate: Dibromofluoromethane		106 %	Limits: 75-120	1	06/22/09 18:05	VS	39716
Surrogate: Toluene-d8		94 %	Limits: 79-122	1	06/22/09 18 05	VS	39716
Surrogate: 4-Bromofluorobenzene		92 %	Limits. 86-128	1	06/22/09 18 05	VS	39716
Surrogate: 1,2-Dichloroethane-d4		127 %	Limits 71-132	1	06/22/09 18 05	VS	39716

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/25/09 5586 HEPACO

ETC ENVIRONMENTAL TESTING & CONSULTING, INC.
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"A Laboratory Management Partner"

Hepaco, Inc.
731 East Brooks Road

Memphis, TN 38116

Project Description **E2M Defense Depot Backfill**
Project No. **9521027**

Lab Order Number **09-163-0258**
Lab ID **0906267-001B**
Field ID **001 Backfill**
Sample Number **68886**

Report of Analysis

Received **06/12/09**
Matrix **Soil**
Sampled **06/12/09 9:00**

Analytical Method 8081A

Prep Method 3550B **Prep Batch(s)** 24995 **Date/Time Prepped** 06/18/09 10:01

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Aldrin	< 2.00	µg/Kg	2 00	10	06/24/09 18:45	DPC	39793
alpha-BHC	< 2.00	µg/Kg	2.00	10	06/24/09 18:45	DPC	39793
beta-BHC	< 2.00	µg/Kg	2 00	10	06/24/09 18:45	DPC	39793
delta-BHC	< 2 00	µg/Kg	2 00	10	06/24/09 18:45	DPC	39793
gamma-BHC	< 2.00	µg/Kg	2 00	10	06/24/09 18:45	DPC	39793
alpha-Chlordane	< 2.00	µg/Kg	2.00	10	06/24/09 18.45	DPC	39793
gamma-Chlordane	< 2.00	µg/Kg	2.00	10	06/24/09 18:45	DPC	39793
Chlordane	< 20.0	µg/Kg	20.0	10	06/24/09 18:45	DPC	39793
4,4´-DDD	< 2.00	µg/Kg	2.00	10	06/24/09 18:45	DPC	39793
4,4´-DDE	< 2.00	µg/Kg	2.00	10	06/24/09 18:45	DPC	39793
4,4´-DDT	< 2 00	µg/Kg	2.00	10	06/24/09 18:45	DPC	39793
Dieldrin	< 2.00	µg/Kg	2.00	10	06/24/09 18.45	DPC	39793
Endosulfan I	< 2.00	µg/Kg	2 00	10	06/24/09 18:45	DPC	39793
Endosulfan II	< 2.00	µg/Kg	2 00	10	06/24/09 18:45	DPC	39793
Endosulfan sulfate	< 2.00	µg/Kg	2 00	10	06/24/09 18:45	DPC	39793
Endrin	< 2.00	µg/Kg	2 00	10	06/24/09 18 45	DPC	39793
Endrin aldehyde	< 2.00	µg/Kg	2 00	10	06/24/09 18 45	DPC	39793
Endrin ketone	< 2.00	µg/Kg	2 00	10	06/24/09 18 45	DPC	39793
Heptachlor	< 2.00	µg/Kg	2 00	10	06/24/09 18.45	DPC	39793
Heptachlor epoxide	< 2.00	µg/Kg	2 00	10	06/24/09 18 45	DPC	39793
Methoxychlor	< 2 00	µg/Kg	2 00	10	06/24/09 18:45	DPC	39793
Mirex	< 2.00	µg/Kg	2 00	10	06/24/09 18.45	DPC	39793
Toxaphene	< 200	µg/Kg	200	10	06/24/09 18:45	DPC	39793
Surrogate Decachlorobiphenyl		74 %	Limits 37-165	10	06/24/09 18:45	DPC	39793
Surrogate. Tetrachloro-m-xylene		62 %	Limits 18-158	10	06/24/09 18:45	DPC	39793

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*1	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/25/09 5586 HEPACO

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Hepaco, Inc.
731 East Brooks Road

Memphis, TN 38116

Project Description **E2M Defense Depot Backfill**
Project No. **9521027**

Lab Order Number **09-163-0258**
Lab ID **0906267-001B**
Field ID **001 Backfill**
Sample Number **68886**

Report of Analysis

Received **06/12/09**
Matrix **Soil**
Sampled **06/12/09 9:00**

Analytical Method 8082

Prep Method 3550B **Prep Batch(s)** 24996 **Date/Time Prepped** 06/18/09 10.02

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Aroclor 1016	< 35 0	µg/Kg	35.0	1	06/22/09 18:51	DPC	39758
Aroclor 1221	< 35 0	µg/Kg	35.0	1	06/22/09 18:51	DPC	39758
Aroclor 1232	< 35 0	µg/Kg	35 0	1	06/22/09 18:51	DPC	39758
Aroclor 1242	< 35.0	µg/Kg	35.0	1	06/22/09 18:51	DPC	39758
Aroclor 1248	< 35 0	µg/Kg	35.0	1	06/22/09 18:51	DPC	39758
Aroclor 1254	< 35.0	µg/Kg	35.0	1	06/22/09 18:51	DPC	39758
Aroclor 1260	< 35.0	µg/Kg	35 0	1	06/22/09 18:51	DPC	39758
Surrogate: Decachlorobiphenyl		54 %	Limits 17-141	1	06/22/09 18:51	DPC	39758
Surrogate: Tetrachloro-m-xylene		49 %	Limits. 20-122	1	06/22/09 18:51	DPC	39758

Qualifiers/ Definitions				
	*	Surrogate Recovery outside accepted limits	*I	Recoveries affected by interferences or high background
	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
	J	Estimated Value Analyte below reported detection limit	M	Minimum value
	MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
	MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
	Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/25/09 5586 HEPACO

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731 East Brooks Road

Memphis, TN 38116

Project **E2M Defense Depot**
Description **Backfill**
Project No. **9521027**

Lab Order Number **09-163-0258**
Lab ID **0906267-001B**
Field ID **001 Backfill**
Sample Number **68886**

Report of Analysis
Received **06/12/09**
Matrix **Soil**
Sampled **06/12/09 9:00**

Analytical Method 8151A

Prep Method 8151A **Prep Batch(s)** 24962 **Date/Time Prepped** 06/16/09 9:49

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
2,4-D	< 30.0	µg/Kg	30 0	1	06/23/09 13:40	DPC	39767
2,4-DB	< 20.0	µg/Kg	20.0	1	06/23/09 13:40	DPC	39767
2,4,5-TP (Silvex)	< 1.00	µg/Kg	1 00	1	06/23/09 13:40	DPC	39767
2,4,5-T	< 5 00	µg/Kg	5.00	1	06/23/09 13:40	DPC	39767
Dalapon	< 60.0	µg/Kg	60.0	1	06/23/09 13:40	DPC	39767
Dicamba	< 20 0	µg/Kg	20.0	1	06/23/09 13:40	DPC	39767
Dichlorprop	< 10.0	µg/Kg	10.0	1	06/23/09 13:40	DPC	39767
Dinoseb	< 15 0	µg/Kg	15.0	1	06/23/09 13:40	DPC	39767
MCPA	< 510	µg/Kg	510	1	06/23/09 13:40	DPC	39767
MCPP	< 1,000	µg/Kg	1,000	1	06/23/09 13:40	DPC	39767
Picloram	< 10.0	µg/Kg	10 0	1	06/23/09 13:40	DPC	39767
Surrogate. DCAA		52 %	Limits: 20-150	1	06/23/09 13:40	DPC	39767

Qualifiers/ Definitions				
	*	Surrogate Recovery outside accepted limits	*1	Recoveries affected by interferences or high background
	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
	J	Estimated Value Analyte below reported detection limit	M	Minimum value
	MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
	MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
	Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/25/09 5586 HEPACO

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Hepaco, Inc.
731 East Brooks Road
Memphis, TN 38116

Project Description **E2M Defense Depot Backfill**
Project No. **9521027**

Lab Order Number **09-163-0258**
Lab ID **0906267-001B**
Field ID **001 Backfill**
Sample Number **68886**

Report of Analysis

Received **06/12/09**
Matrix **Soil**
Sampled **06/12/09 9:00**

Analytical Method 8270C

Prep Method 3550B **Prep Batch(s)** 24943 **Date/Time Prepped** 06/15/09 11.43

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Acenaphthene	< 66 7	µg/Kg	66 7	1	06/16/09 17:03	LD1	39652
Acenaphthylene	< 66.7	µg/Kg	66.7	1	06/16/09 17.03	LD1	39652
Acetophenone	< 170	µg/Kg	170	1	06/16/09 17:03	LD1	39652
Aniline	< 170	µg/Kg	170	1	06/16/09 17:03	LD1	39652
Anthracene	< 66.7	µg/Kg	66 7	1	06/16/09 17:03	LD1	39652
Benzidine	< 670 M	µg/Kg	670	1	06/16/09 17:03	LD1	39652
Benzo(a)anthracene	< 66.7	µg/Kg	66.7	1	06/16/09 17:03	LD1	39652
Benzo(b)fluoranthene	< 66.7	µg/Kg	66.7	1	06/16/09 17:03	LD1	39652
Benzo(k)fluoranthene	< 66.7	µg/Kg	66.7	1	06/16/09 17.03	LD1	39652
Benzo(g,h,i)perylene	< 66.7	µg/Kg	66.7	1	06/16/09 17.03	LD1	39652
Benzo(a)pyrene	< 66.7	µg/Kg	66.7	1	06/16/09 17:03	LD1	39652
Benzoic acid	< 330	µg/Kg	330	1	06/16/09 17 03	LD1	39652
Benzyl alcohol	< 330	µg/Kg	330	1	06/16/09 17.03	LD1	39652
Bis(2-chloroethyl)ether	< 170	µg/Kg	170	1	06/16/09 17.03	LD1	39652
Bis(2-chloroethoxy)methane	< 170	µg/Kg	170	1	06/16/09 17.03	LD1	39652
Bis(2-chloroisopropyl)ether	< 170	µg/Kg	170	1	06/16/09 17.03	LD1	39652
Bis(2-ethylhexyl)phthalate	< 330	µg/Kg	330	1	06/16/09 17.03	LD1	39652
4-Bromophenyl phenyl ether	< 170	µg/Kg	170	1	06/16/09 17 03	LD1	39652
Butyl benzyl phthalate	< 170	µg/Kg	170	1	06/16/09 17.03	LD1	39652
Carbazole	< 170	µg/Kg	170	1	06/16/09 17:03	LD1	39652
4-Chloroaniline	< 170	µg/Kg	170	1	06/16/09 17:03	LD1	39652
4-Chloro-3-methylphenol	< 170	µg/Kg	170	1	06/16/09 17:03	LD1	39652
2-Chloronaphthalene	< 170	µg/Kg	170	1	06/16/09 17:03	LD1	39652
2-Chlorophenol	< 170	µg/Kg	170	1	06/16/09 17:03	LD1	39652
4-Chlorophenyl phenyl ether	< 170	µg/Kg	170	1	06/16/09 17:03	LD1	39652
Chrysene	< 66 7	µg/Kg	66 7	1	06/16/09 17 03	LD1	39652
Dibenz(a,h)anthracene	< 66 7	µg/Kg	66.7	1	06/16/09 17 03	LD1	39652

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/25/09 5586 HEPACO

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"A Laboratory Management Partner"

Hepaco, Inc.
731 East Brooks Road
Memphis, TN 38116

Project **E2M Defense Depot**
Description **Backfill**
Project No. **9521027**

Lab Order Number **09-163-0258**
Lab ID **0906267-001B**
Field ID **001 Backfill**
Sample Number **68886**

Report of Analysis

Received **06/12/09**
Matrix **Soil**
Sampled **06/12/09 9:00**

Analytical Method 8270C

Prep Method 3550B **Prep Batch(s)** 24943 **Date/Time Prepped** 06/15/09 11:43

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
Dibenzofuran	< 170	µg/Kg	170	1	06/16/09 17.03	LD1	39652
1,2-Dichlorobenzene	< 170	µg/Kg	170	1	06/16/09 17:03	LD1	39652
1,3-Dichlorobenzene	< 170	µg/Kg	170	1	06/16/09 17:03	LD1	39652
1,4-Dichlorobenzene	< 170	µg/Kg	170	1	06/16/09 17:03	LD1	39652
Di-n-butyl phthalate	< 170	µg/Kg	170	1	06/16/09 17 03	LD1	39652
3,3'-Dichlorobenzidine	< 330	µg/Kg	330	1	06/16/09 17.03	LD1	39652
2,4-Dichlorophenol	< 170	µg/Kg	170	1	06/16/09 17:03	LD1	39652
2,6-Dichlorophenol	< 170	µg/Kg	170	1	06/16/09 17.03	LD1	39652
Dichlorophenols (Total)	< 170	µg/Kg	170	1	06/16/09 17:03	LD1	39652
Diethyl phthalate	< 170	µg/Kg	170	1	06/16/09 17:03	LD1	39652
3,3'-Dimethylbenzidine	< 330 M	µg/Kg	330	1	06/16/09 17 03	LD1	39652
2,4-Dimethylphenol	< 170	µg/Kg	170	1	06/16/09 17:03	LD1	39652
Dimethyl phthalate	< 170	µg/Kg	170	1	06/16/09 17:03	LD1	39652
4,6-Dinitro-2-methylphenol	< 330	µg/Kg	330	1	06/16/09 17:03	LD1	39652
2,4-Dinitrophenol	< 1,670	µg/Kg	1,670	1	06/16/09 17.03	LD1	39652
2,4-Dinitrotoluene	< 170	µg/Kg	170	1	06/16/09 17:03	LD1	39652
2,6-Dinitrotoluene	< 170	µg/Kg	170	1	06/16/09 17:03	LD1	39652
Di-n-octyl phthalate	< 170	µg/Kg	170	1	06/16/09 17.03	LD1	39652
Fluoranthene	< 66 7	µg/Kg	66 7	1	06/16/09 17.03	LD1	39652
Fluorene	< 66 7	µg/Kg	66 7	1	06/16/09 17.03	LD1	39652
Hexachlorobenzene	< 170	µg/Kg	170	1	06/16/09 17:03	LD1	39652
Hexachlorobutadiene	< 170	µg/Kg	170	1	06/16/09 17:03	LD1	39652
Hexachlorocyclopentadiene	< 170	µg/Kg	170	1	06/16/09 17:03	LD1	39652
Hexachloroethane	< 170	µg/Kg	170	1	06/16/09 17 03	LD1	39652
Indeno(1,2,3-cd)pyrene	< 66.7	µg/Kg	66.7	1	06/16/09 17:03	LD1	39652
Isophorone	< 170	µg/Kg	170	1	06/16/09 17 03	LD1	39652
2-Methylnaphthalene	< 66 7	µg/Kg	66.7	1	06/16/09 17 03	LD1	39652

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	*1	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
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Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/25/09 5586 HEPACO

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731 East Brooks Road
Memphis, TN 38116

Project Description **E2M Defense Depot Backfill**
Project No. **9521027**

Lab Order Number **09-163-0258**
Lab ID **0906267-001B**
Field ID **001 Backfill**
Sample Number **68886**

Report of Analysis

Received **06/12/09**
Matrix **Soil**
Sampled **06/12/09 9:00**

Analytical Method 8270C

Prep Method 3550B **Prep Batch(s)** 24943 **Date/Time Prepped** 06/15/09 11:43

Compound	Result	Units	MQL	DF	Date/Time Analyzed	By	Analytical Batch
2-Methylphenol	< 170	µg/Kg	170	1	06/16/09 17 03	LD1	39652
3&4-Methylphenol	< 170	µg/Kg	170	1	06/16/09 17.03	LD1	39652
Naphthalene	< 66.7	µg/Kg	66 7	1	06/16/09 17.03	LD1	39652
2-Nitroaniline	< 170	µg/Kg	170	1	06/16/09 17:03	LD1	39652
3-Nitroaniline	< 330	µg/Kg	330	1	06/16/09 17:03	LD1	39652
4-Nitroaniline	< 170	µg/Kg	170	1	06/16/09 17:03	LD1	39652
Nitrobenzene	< 170	µg/Kg	170	1	06/16/09 17:03	LD1	39652
2-Nitrophenol	< 170	µg/Kg	170	1	06/16/09 17.03	LD1	39652
4-Nitrophenol	< 660	µg/Kg	660	1	06/16/09 17 03	LD1	39652
N-Nitroso-di-n-butylamine	< 170	µg/Kg	170	1	06/16/09 17 03	LD1	39652
N-Nitrosodiethylamine	< 170	µg/Kg	170	1	06/16/09 17 03	LD1	39652
N-Nitrosodimethylamine	< 170	µg/Kg	170	1	06/16/09 17.03	LD1	39652
N-Nitrosodiphenylamine	< 330	µg/Kg	330	1	06/16/09 17:03	LD1	39652
N-Nitrosodi-n-propylamine	< 170	µg/Kg	170	1	06/16/09 17:03	LD1	39652
Pentachlorophenol	< 330	µg/Kg	330	1	06/16/09 17:03	LD1	39652
Phenanthrene	< 66.7	µg/Kg	66.7	1	06/16/09 17:03	LD1	39652
Phenol	< 170	µg/Kg	170	1	06/16/09 17 03	LD1	39652
Pyrene	< 66 7	µg/Kg	66 7	1	06/16/09 17:03	LD1	39652
Pyridine	< 330	µg/Kg	330	1	06/16/09 17 03	LD1	39652
1,2,3,4-Tetrachlorobenzene	< 66.7	µg/Kg	66.7	1	06/16/09 17 03	LD1	39652
1,2,4,5-Tetrachlorobenzene	< 170	µg/Kg	170	1	06/16/09 17 03	LD1	39652
2,3,4,6-Tetrachlorophenol	< 170	µg/Kg	170	1	06/16/09 17 03	LD1	39652
Tetrachlorophenols (Total)	< 170	µg/Kg	170	1	06/16/09 17.03	LD1	39652
1,2,4-Trichlorobenzene	< 170	µg/Kg	170	1	06/16/09 17:03	LD1	39652
2,4,5-Trichlorophenol	< 170	µg/Kg	170	1	06/16/09 17.03	LD1	39652
2,4,6-Trichlorophenol	< 170	µg/Kg	170	1	06/16/09 17 03	LD1	39652
Trichlorophenols (Total)	< 170	µg/Kg	170	1	06/16/09 17:03	LD1	39652

Qualifiers/ Definitions

*	Surrogate Recovery outside accepted limits	* I	Recoveries affected by interferences or high background
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
J	Estimated Value Analyte below reported detection limit	M	Minimum value
MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
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Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/25/09 5586 HEPACO

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Project Description **E2M Defense Depot Backfill**
Project No. **9521027**

Lab Order Number **09-163-0258**
Lab ID **0906267-001B**
Field ID **001 Backfill**
Sample Number **68886**

Report of Analysis

Received **06/12/09**
Matrix **Soil**
Sampled **06/12/09 9:00**

Analytical Method 8270C

Prep Method 3550B **Prep Batch(s)** 24943 **Date/Time Prepped** 06/15/09 11:43

Compound		Result	Units		MQL	DF	Date/Time Analyzed	By	Analytical Batch
Surrogate:	Nitrobenzene-d5	51	%	Limits:	25-110	1	06/16/09 17:03	LD1	39652
Surrogate:	2-Fluorobiphenyl	45	%	Limits:	33-114	1	06/16/09 17:03	LD1	39652
Surrogate:	4-Terphenyl-d14	46	%	Limits:	37-115	1	06/16/09 17:03	LD1	39652
Surrogate	Phenol-d6	48	%	Limits:	11-125	1	06/16/09 17:03	LD1	39652
Surrogate:	2,4,6-Tribromophenol	36	%	Limits	9-134	1	06/16/09 17:03	LD1	39652
Surrogate:	2-Fluorophenol	40	%	Limits:	10-119	1	06/16/09 17:03	LD1	39652

Qualifiers/ Definitions				
	*	Surrogate Recovery outside accepted limits	*1	Recoveries affected by interferences or high background
	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	E	Value exceeds method calibration range	H	Prepped / Analyzed out of holding time.
	J	Estimated Value Analyte below reported detection limit	M	Minimum value
	MDL	Method Dection Limit (unadjusted)	MQL	Method Quantitation Limit (adjusted)
	MRL	Method Reporting Limit	N	Refer to attached Non-Compliance Report
	Q	RPD >40% between primary and confirmation columns	SQL	Sample Quantitation Limit (adjusted MDL)

06/25/09 5586 HEPACO

10001567

ETC Environmental Testing & Consulting, Inc.
www.etcmemphis.com 2790 Whitten Road Memphis, Tennessee 38133 (901) 213-2400 Fax (901) 213-2440
"A Laboratory Management Partner"

Cooler Receipt Form

Customer Number: **05586**
Customer Name: **Hepaco, Inc.**
Report Number: **09-163-0258**

Shipping Method

○ FedEx ○ UPS ○ US Postal ● Client ○ LMP ○ Courier ○ Other:

Shipping container/cooler uncompromised?	● Yes	○ No	○ Not Present
Custody seals intact on shipping container/cooler?	○ Yes	○ No	● Not Required
Custody seals intact on sample bottles?	○ Yes	○ No	● Not Required
Chain of Custody present?	● Yes	○ No	
COC agrees with sample labels?	● Yes	○ No	
Samples in proper containers?	● Yes	○ No	
Sample containers intact?	● Yes	○ No	
Sufficient sample volume for indicated tests?	● Yes	○ No	
All samples received within holding time?	● Yes	○ No	
Container temperature in compliance?	● Yes	○ No	
Water - VOA vials free of headspace?	○ Yes	○ No	● N/A
Water - Preservation acceptable upon receipt?	● Yes	○ No	○ N/A
Samples screened for radioactivity (COE only)?	○ Yes	○ No	● N/A
Special precautions or instructions included?	○ Yes	● No	

Comments:

Any regulatory non-compliance issues will be recorded on non-compliance report.

Signature: Brooke Shoup

Date & Time: 06/12/2009 15:20.00

0906267

ETC Environmental Testing & Consulting, Inc.

www.etcmemphis.com

2790 Whitten Rd Memphis, TN 38133 (901) 213-2400 Fax (901) 213-2440

Chain of C

09-163-0258
05586
Jun 12 2009
3:30PM

Hepaco, Inc
e2m Defense Depot Backfill

Company Name	Account Number	Phone Number
Hepaco, Inc.		9013456333
Project/Site	**State Project Loc.**	**PO Number**
e2m Defense Depot Backfill	TN	5001285
		FID Number
		Project Number

Type of Event (Routine Sampling Events Only)
(•) Single ( ) Daily ( ) Weekly ( ) Monthly
( ) Quarterly ( ) Semi-Annual ( ) Annually

Project Manager/Contact	RUSH [ ] (Surcharges may apply)
David Moore	Ice [X]
E-Mail Address	
dmoore@hepaco.com	

Matrix
1) Wastewater 4) Sludge
2) Aqueous 5) Oil/Solvent
3) Soil/Sediment 6) Other

Analysis Requ
(Note special detection li

Which Regulations Apply?
[ ] NPDES [ ] Risk Based Limits
[ ] Wastewater [ ] TRRP 13
[ ] RCRA [ ] LA RECAP
[ ] UST [ ] USACE
Other [ ]

# of Containers	Sample ID/Number	Depth	Sample Date & Time	Matrix	Grab/Comp	Voc	Svoc	PCB	Herbicides	Pesticides	RCRA Metals				Comments	Lab ID Number (for internal use only)
1	001 Backfill	2'	6/12 0900	3	g	X	X	X	X	X	X					

Sampled By: MICHAEL BAKER
Method of Shipment:
Blank/Cooler Temp: 4°C
Remarks:

Relinquished By (sign)	Date	Time	Received By (sign)	Date	Time
[signature]	6-12-09	1411	[signature]	6-12-09	1411
Relinquished By (sign)	Date	Time	Received By Lab (print/sign)	Date	Time
[signature]	6-12-09		[signature]	6/12/09	1520

Please return ETC Sample Kit Request Form with Chain of Custody

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APPENDIX L

TERRATHERM REPORT

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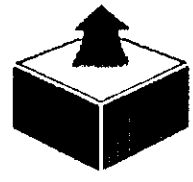
Final Report
Thermally Enhanced Soil Vapor Extraction Project
Dunn Field Defense Depot
Memphis, Tennessee

Prepared for:

Engineering-Environmental Management (e2M)

May 2009

Prepared by:



TerraTherm, Inc.
10 Stevens Road
Fitchburg, MA 01420
978-343-0300

PATENT NOTICE: TerraTherm is an exclusive licensee/owner of (a) U.S. Patent Nos. 4,984,594; 5,076,727; 5,114,497; 5,190,405; 5,221,827; 5,229,583; 5,244,310; 5,271,693; 5,318,116; 5,553,189; 5,656,239; 5,660,500; 5,997,214; 6,102,622; 6,419,423; 6,485,232; 6,543,539; 6,632,047; 6,824,328; 6,854,929; 6,881,009; 6,951,436; 6,962,466; and 7,004,678, (b) U.S. Patent Publication 2004-0228690, and (c) and certain non-U.S. counterpart applications/patents of the above-referenced patents and application.

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Table of Contents

1. Executive Summary 1

2. Report Overview 2

3. TESVE System Construction 3

3.1. Well Installation 3

3.1.1 Heater Only Wells 3

3.1.2 Vapor Extraction Wells 4

3.1.3 Temperature and Pressure Monitoring Points 4

3.2. Surface Cover Installation 6

3.3. Electrical Installation 7

3.4. Effluent Equipment Installation 7

3.5. System Startup and Shakedown 8

4. TESVE System Operations 8

4.1. Operations Overview 8

4.2 Operation Schedule 9

4.3 Monitoring 11

4.4 Condensate Generation and Sampling 12

4.5 System Operational Changes 12

5. Energy Balance and Mass Removal 13

5.1 Energy Balance 13

5.2 Mass Removal 15

5.3 Soil Sampling Overview 21

6. Project Records 23

6.1 Weekly Progress Reports on TESVE System 23

6.2 Project Photographs 23

7. Demobilization 24

8. Conclusion 25

Appendices

Appendix A: Final Project Schedule

Appendix B: Weekly Progress Reports

Appendix C: As-Built Drawings

Appendix D: Project Photographs

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Appendix E: Monitoring Database

Appendix F: TO -15 Vapor Sampling Reports

Appendix G: Condensate Stream Sampling Reports

Appendix H: Mass Removal Calculations Data Sheets

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1. Executive Summary

TerraTherm recently completed thermally-enhanced soil vapor extraction (TESVE) to treat eight separate source areas at the Dunn Field Defense Depot in Memphis, TN (Dunn Field Site). TerraTherm used Thermal Conduction Heating (TCH), also called In Situ Thermal Desorption (ISTD), to simultaneously treat the source areas. The contaminants of concern (COC) at the site were all chlorinated solvents. TerraTherm was subcontracted by Engineering-Environmental Management (e2M) to perform this work.

The remedial goals for the project were as follows:

Parameter	Remedial Goal Objectives (mg/kg)
Carbon Tetrachloride	0.2150
Chloroform	0.9170
Dichloroethane, 1,2-	0.0329
Dichloroethene, 1,1-	0.1500
Dichloroethene, cis-1,2-	0.7550
Dichloroethene, trans-1,2-	1.5200
Methylene Chloride	0.0305
Tetrachloroethane, 1,1,2,2-	0.0112
Tetrachloroethene	0.1806
Trichloroethane, 1,1,2-	0.0627
Trichloroethene	0.1820
Vinyl Chloride	0.0294

Post-treatment soil sampling showed that the remedial goals were achieved at all 8 treatment areas by November 2008. TCE concentrations in soil were reduced from a pre-treatment mean of 73 mg/kg to a post-treatment mean of 0.045 mg/kg, representing a removal of >99.9%.

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2. Report Overview

This Final Report provides an overview of the construction, operation, and results of the Thermally Enhanced Soil Vapor Extraction (TESVE) remediation work conducted at the Dunn Field Site in Memphis, TN.

The intent of this Final Report is to:

- Outline the remedial goals for the TESVE treatment;
- Convey the installation work activities completed as part of the TESVE treatment;
- Provide summaries of the treatment operations monitoring data;
- Provide soil sampling overview;
- Provide an energy balance and mass removal estimate; and,
- Provide information regarding demobilization and other activities required to reach final remedial objectives.

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3. TESVE System Construction

3.1. Well Installation

TerraTherm mobilized to the Site in November 2007 to begin TESVE system installation. A total of 367 heater-only wells were installed in a hexagonal grid pattern across the eight separate target treatment zones (TTZ). The heater wells were constructed of 3" schedule 40 carbon steel with an inner stainless steel sleeve to protect the heater elements. The carbon steel casing and inner stainless steel sleeve were both capped at the bottom and all subsurface joints were welded to prevent vapor or steam intrusion. A total of 68 vapor extraction wells were installed amidst the heater wells across the site. The vapor extraction wells were constructed of 2", 0.010 slot stainless steel well screens with schedule 40 carbon steel risers.

In addition to the heater and vacuum extraction wells, a network of temperature and pressure monitoring points were installed in and around the TESVE well field. The temperature monitoring points consisted of 1-½" schedule 40 carbon steel pipe segments. Each point was outfitted with an electronic temperature sensor at 5 ft depth intervals. Points in all 30 foot depth treatment areas had 6 thermocouples to allow evaluation of vertical as well as horizontal temperature distributions. Area 1A had only 4 temperature sensors as this area was only 20 feet deep. The pressure monitoring points consisted of a 1" x 1 ft long stainless steel 0.010 slot screened section, fitted to a 1" schedule 40 carbon steel riser section. A total of 62 multi-level temperature monitoring points and 25 pressure monitoring points were installed. Table 3.1 below presents the typical well construction details at the Dunn Field site

Table 3.1. Typical Well Construction Details

Well Type	Typical Depth (ft bgs)	Number of Locations	Well Casing/ Pipe Specifications
Heater-Only Wells	36 ft	367	3" Sch. 40 CS Pipe
Vapor Extraction Wells	15 ft	68	2" CS Pipe w/ 2" SS screen
Temperature MPs	36 ft	62	1.5" CS pipe
Pressure MPs	10 ft	25	2" CS pipe w/ 2" SS screen

3.1.1 Heater Only Wells

The HO well installation was performed in accordance with the following general procedure. Once a 3.5" OD carbon steel heater can was lowered into the 4 to 4.5" OD borehole, a sand pack consisting of No. 1 Ottawa sand was placed in the annular space from the bottom of the borehole to an approximate depth of 5 ft bgs. The remaining annular space above the sand was filled with high-temperature grout to the ground

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surface. The grout seal is intended to prevent the upward migration of heated vapors and steam along the unheated portion of the heater-only well and to provide a surface seal. A single ISTD heater element was placed inside a stainless steel liner and set inside each heater can. Groups of 4 to 8 heater wells were wired in series, to deliver up to approximately 300 to 400 watts per foot of heated length to the subsurface at full power. The well heaters were configured to operate in either a manually controlled mode or to automatically maintain a set-point temperature. Silicon controlled rectifier (SCR) power controllers and remote temperature controllers were used to regulate the power application to the ISTD well heaters, based on temperature input from thermocouples (TCs). The TCs are placed in the annular space between the heater cans and stainless steel liners of selected heaters to allow monitoring and control of the heater temperature of the . Data from the TCs will be used to control the amount of power delivered to each heater electrical circuit to maintain an optimum heater temperature. The amount of power delivered to each circuit was controlled manually by the operator during the initial start-up and ramping period, after which the heaters were set to automatic control mode.

After the initial start-up and heater temperature ramping period, the heater set point temperature will typically range from 1000°F to 1400°F (540°C to 760°C), depending on the site conditions and the temperature response around the particular heater circuit.

3.1.2 Vapor Extraction Wells

The VEWs are completed in a 4 to 4.5" OD borehole with 2-inch diameter vacuum screens, 10 to 15 ft long beginning at approximately 5 ft bgs. A sand pack consisting of No. 1 Ottawa sand was placed in the annular space from the bottom of the borehole to an approximate depth of 5 ft bgs. The remaining annular space above the sand was filled with cement grout to the ground surface. A blank riser pipe then extends from the top of the screen to the ground surface where the connection to the aboveground vapor collection manifold is made. Thus, when a vacuum is applied to the wellhead, this design will ensure capture of the vaporized contaminants throughout the entire treatment depth.

3.1.3 Temperature and Pressure Monitoring Points

Temperature and pressure monitoring points are installed within each treatment zone. Drawing C-103 found in Appendix C shows the layout of the temperature and pressure monitoring points.

The temperature monitoring points were constructed of 1.5-inch capped carbon steel pipe that extends to the bottom of the treatment zone (i.e., 20 or 30 ft bgs). A sand pack consisting of No. 1 Ottawa sand was placed in the annular space from the bottom of the borehole to an approximate depth of 5 ft bgs. The remaining annular space above the sand was filled with cement grout to the ground surface. Individual temperature sensors were installed within a common protective tube at 5-foot increments beginning at 5 feet bgs (see Figures 3.1 and 3.2). The temperature sensors were used to monitor heating progress during treatment.

The pressure monitoring points were constructed of 1-inch diameter well screen beginning at ~5 ft bgs. The well screens were installed with a sand pack in boreholes that extend to 10 ft bgs. A sand pack consisting of No. 1 Ottawa sand was placed in the annular space

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from the bottom of the borehole to an approximate depth of 5 ft bgs. The remaining annular space above the sand was filled with cement grout to the ground surface. Pressure monitoring points were used to monitor vacuum/pressure in the shallow subsurface zone where un-captured steam will tend to migrate and to ensure that steam pressure is not building in the subsurface. Adjustments were made to the VEWs to ensure that a slight vacuum was maintained in each treatment zone and that heated vapors and steam were removed. This ensured that migration of vapors and contaminants outside of the TTZs and condensation of contaminants in the upper 5 ft was prevented.

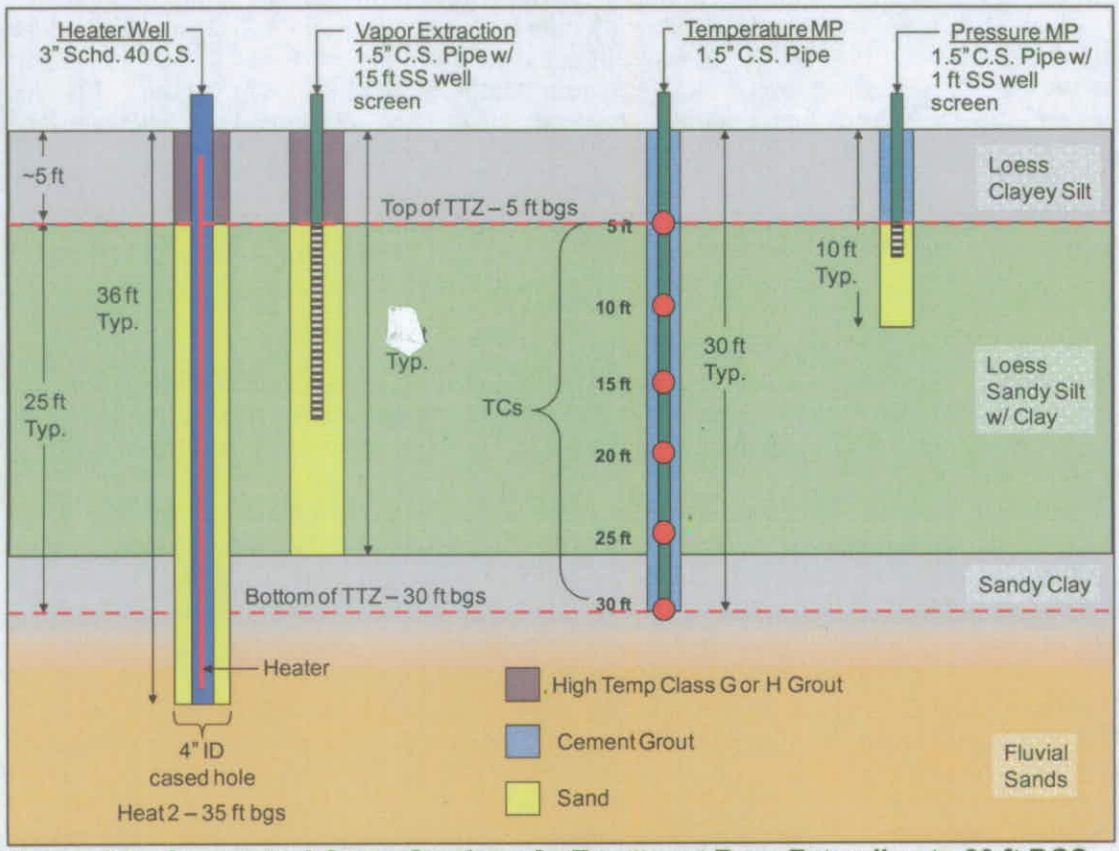


Figure 3.1. Conceptual Cross-Section of a Treatment Zone Extending to 30 ft BGS

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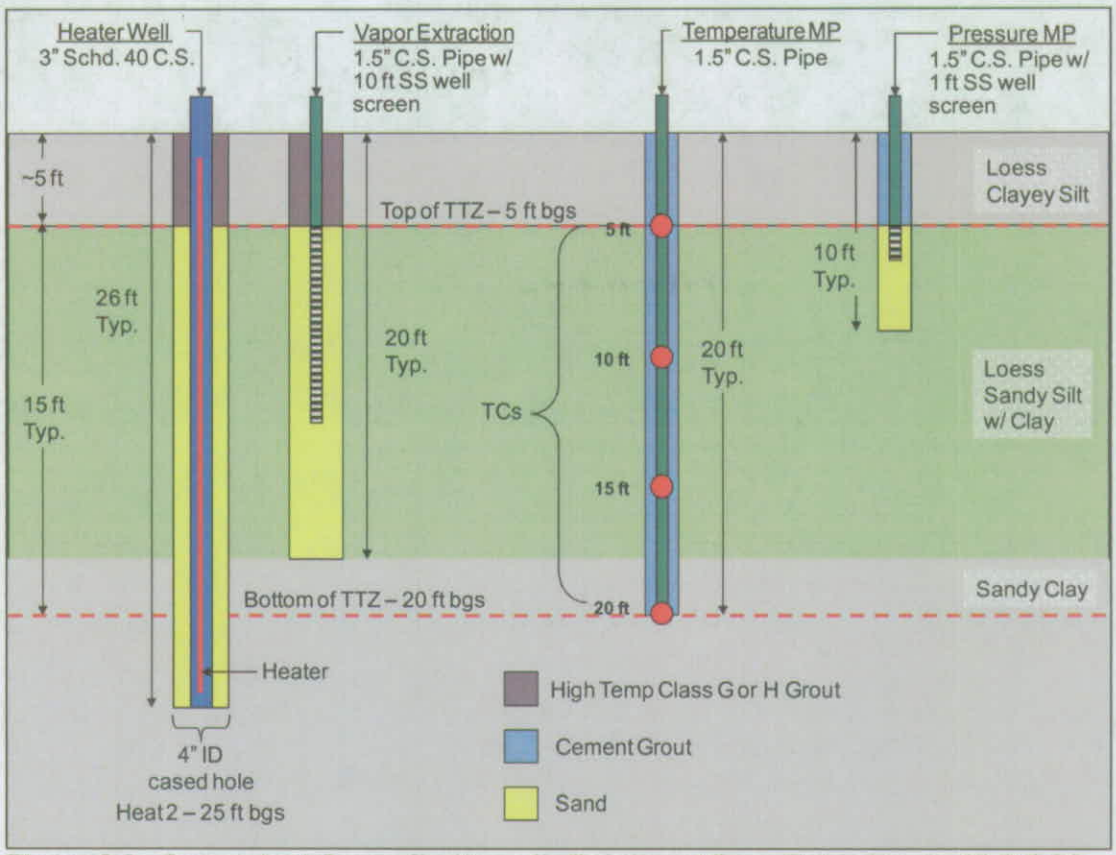


Figure 3.2. Conceptual Cross-Section of a Treatment Zone Extending to 20 ft BGS

3.2. Surface Cover Installation

Following installation of the wells and monitoring points, a shotcrete cover was installed.

Shotcrete is a process where concrete is projected or "shot" under pressure using a feeder or "gun" onto the surface to form structural shapes including walls, floors, and roofs. Shotcrete has high strength, durability, low permeability, excellent bond and limitless shape possibilities. These properties allow shotcrete to be used in most cases as a structural material although it was utilized in this application as a surface cover to shed rainwater in an effort to deter cold water infiltration into the target treatment areas and as a surface seal to insure complete vapor capture.

Figure 3.3 below shows an aerial view of the completed installation of the eight treatment areas at the Site.

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Figure 3.3. Aerial View of Completed Treatment Areas

3.3. Electrical Installation

The transformers were installed by MLGW.

Size and installation info

- TA-1 area was served by one 3000 kVA unit
- TA-2 area was served by one 1500 kVA unit
- TA-3 and TA-4 areas were served by one 1500 kVA unit

3.4. Effluent Equipment Installation

The Air Quality Control (AQC) equipment for the TESVE system at the Dunn Field Site was comprised of the following major components: heat exchanger, cooling tower, knockout pot, vapor phase carbon adsorbers, and vacuum blowers. The AQC equipment was installed on the north side of the TESVE well field with conveyance piping running from the approximate center of the well field manifold pipe to the treatment equipment, as shown on Drawing M-101 in Appendix C.

Extracted vapors were conveyed from the TESVE well field manifolds to the aboveground AQC system in fiberglass piping. The extracted vapors then entered the heat exchanger to be cooled and to condense extracted steam. After exiting the heat exchanger, the cooled vapor stream was drawn though a liquid knockout pot to remove condensate and entrained liquid droplets. Although the primary function of the knockout pot was to remove condensate and liquid droplets, it also served to remove entrained particulate matter. Next, the vapors entered the vapor phase carbon adsorbers positioned with two in series and two other vessels available for backup. Vacuum blowers were located downstream of the knockout pot and served as the prime movers for the vapor stream, so that the entire AQC system was under vacuum. Following treatment by the process system, the treated vapors were exhausted to the atmosphere.

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Process equipment for the treatment of liquid condensate included a knockout pot with transfer pumps to remove entrained liquid droplets and two 250 pound liquid-phase activated carbon vessels to treat the condensate prior to discharge.

Maintaining a pH balance in the condensate discharge was a difficult task. Initially the pH varied dramatically and an equalization tank was added to the discharge stream where a 25% sodium hydroxide solution was introduced with a metering pump to balance the pH to acceptable discharge levels. Analytical laboratory measurements were taken (reports attached as appendix G) of discharge at various locations. Initially samples were collected at the discharge point of the carbon only. The discharge parameters for pH may have been exceeded periodically at this point, however, the discharge directly from the vessels was only a very small portion of the overall discharge to the POTW. The discharge stream was further diluted by introduction of blow down water from the closed loop cooling tower at a rate of approximately 3 gpm on average. Finally, the discharge stream from the TerraTherm equipment was introduced into the massive discharge stream from e2M's groundwater pumping system. TerraTherm began sampling the discharge stream from the condensate water between the carbon vessels to monitor for breakthrough. These results are also included in the report attached as appendix G.

The completed process equipment system is shown below in Figure 3.4.



Figure 3.4. Completed Process System at Dunn Field Site

3.5. System Startup and Shakedown

System startup and shakedown began on May 19, 2008. During system startup and shakedown the wellfield and process equipment were tested and put into service. The system startup and shakedown period lasted for approximately 7 days with full system operations beginning May 27, 2008.

4. TESVE System Operations

4.1. Operations Overview

The TESVE system installed at Dunn Field included the following design features: a) an average target treatment temperature of 90-100°C; b) average 17-ft spacing between thermal wells; c) 367 heaters wells and 68 vacuum extraction wells; d) vacuum extraction

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to capture and remove vapors from the treatment zone; and, f) treatment of collected vapors (granular activated carbon). The TESVE system operated continuously 24 hours per day, 7 days per week from the start of heating on May 27, 2008 through TESVE system heater shutdown on November 20, 2008, for a total of 177 heating days. The vacuum extraction system was shut down on 12/4/08.

Typically, the TESVE operation was attended by one operator at least 5 days per week. The System Operator recorded any observations and maintenance/repair activities in a field log book, which was kept on-site at all times during operations and has since been moved to TerraTherm's Fitchburg, MA office during site demobilization. Information that was recorded in the field logbook includes, but is not limited to:

- General observations of site conditions;
- Product/material inspection notes;
- Visual inspection of work performance;
- Equipment repair/replacement;
- Information pertaining to field air sampling activities; and,
- Any other observations or activities that might affect the resulting QC, monitoring, or analytical data.

4.2 Operation Schedule

The proposed operational phases and duration of treatment at Dunn Field were originally presented in TerraTherm's Thermally Enhanced SVE Design Work Plan, Dunn Field Defense Depot, Memphis, TN (Work Plan)[1] submitted to e2M in January 2008 and are also shown below as Figure 4.1. The predicted average temperature in each of the Target Treatment Zone (TTZ) areas is shown as a function of time. Figure 4.1 illustrates the prediction that the heat-up and the boiling of pore water would occur simultaneously as the heat moved away from the heater wells. The last regions to boil and achieve sufficient steam stripping would be the coolest locations within the TTZs, which typically correspond to the mid-points between Thermal Conduction Heating (TCH) wells, also called centroid locations.

The actual TESVE duration of treatment at Dunn Field is shown below in Figure 4.2. While it was originally predicted that all treatment areas would reach an average target treatment temperature (90-100°C) by day 105, as shown in Figure 4.2, attainment of the average target treatment temperature in all areas occurred at approximately day 120. The average temperature curves for each area are representative of the centroid locations in each area measured at increments of five feet at depths of five feet below ground surface (bgs) to depths of 30 bgs.

A final schedule with a breakdown of TESVE mobilization, construction, operation, and demobilization tasks is included as Appendix A.

[1] TerraTherm, Inc. (January 2008). *Thermally Enhanced SVE Design Work Plan, Dunn Field Defense Depot, Memphis, TN.* TerraTherm, Inc. Fitchburg, MA.

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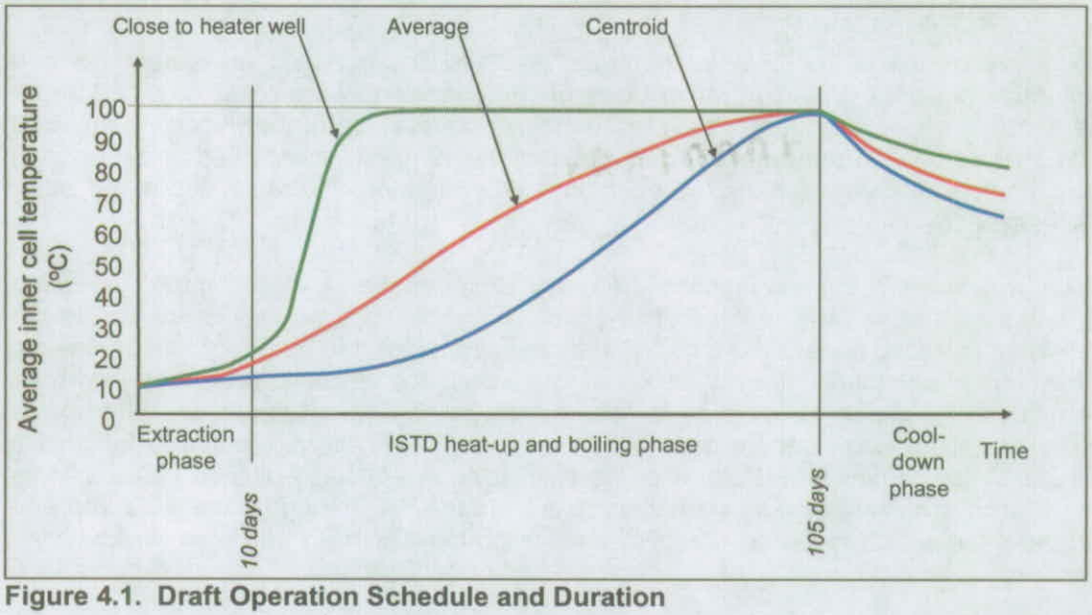


Figure 4.1. Draft Operation Schedule and Duration

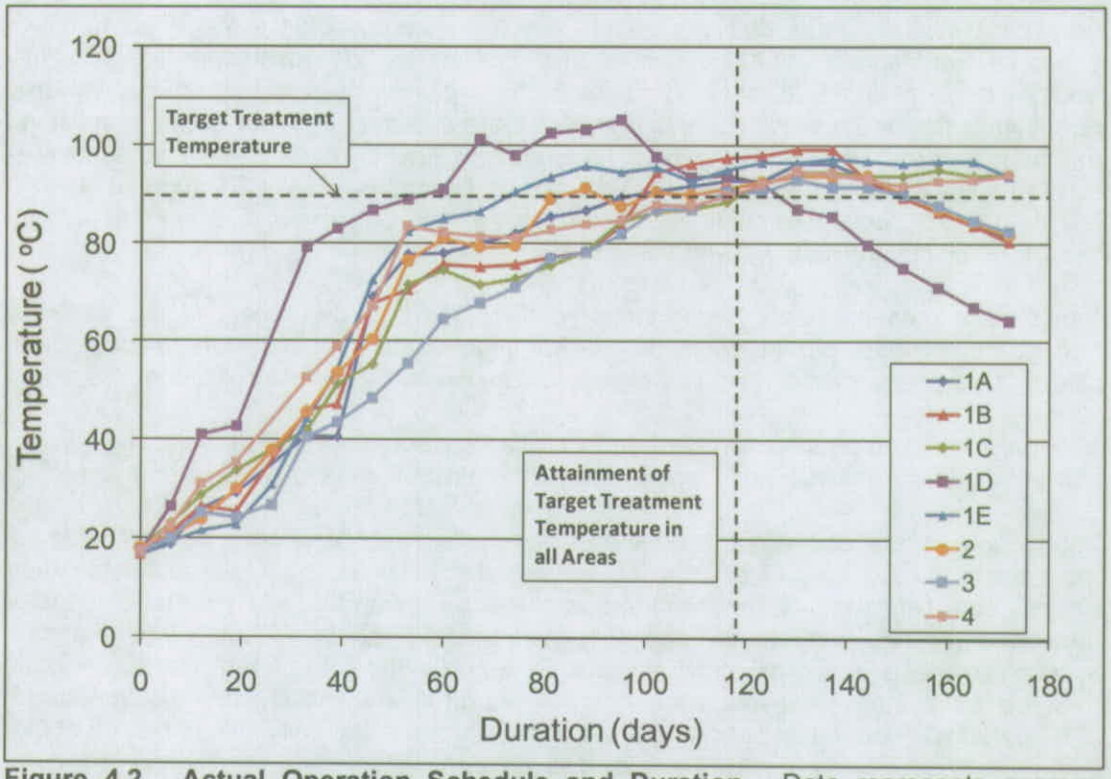


Figure 4.2. Actual Operation Schedule and Duration. Data represents average centroid temperatures.

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4.3 Monitoring

Vapor monitoring of the thermal treatment system included field measurements and laboratory analyses. Photoionization Detector (PID) readings were collected six days per week at the vapor treatment area. Measurements were made at four locations: the well field influent prior to any treatment; the influent to the granular activated carbon (GAC) treatment vessels; between the two operating carbon treatment vessels; and at the vapor discharge.

At the well field influent and the loess treatment area headers, a vacuum pump was used to overcome the vacuum of the SVE system. The vacuum pump was connected to the individual sampling ports with short Teflon tubing and allowed to purge for 2 to 3 minutes; the sample was then collected from the outflow of the vacuum pump. At the three locations in the vapor treatment system, a vacuum pump was not required. A short piece of Teflon tubing was connected to the sampling port and allowed to purge for 2 to 3 minutes. The samples for PID readings were collected in a 1-liter dedicated Tedlar sample bag. After filling, the bag was connected directly to the PID through a moisture trap and the peak value was recorded. The PID was calibrated daily to a 100 ppmV isobutylene standard.

Vapor samples were collected monthly at the influent to the GAC treatment vessels and at the vapor discharge; four additional weekly samples were collected at the influent in July to evaluate variation in CVOC concentrations. The results were used with the daily PID readings to estimate CVOC mass removed in the vapor stream and compliance with the permit limits for the vapor discharge. Samples were collected in 6-liter Summa canisters and submitted to CON-TEST Analytical Laboratory in East Longmeadow, Massachusetts for VOC analysis using EPA Method TO-15. Influent samples on May 30, June 18, July 1, July 8, July 17, July 23, August 22, September 19, and December 1, 2008. Analytical laboratory results are included with this report as Appendix F.

Temperature measurements were monitored daily and recorded weekly. The wireless data collection units proved to be somewhat problematic and therefore manual data collection was performed as required to supplement the wireless data collection.

Pressure measurements were recorded daily. Quick disconnect fittings were attached to a Dwyer digital manometer and plugged into each individual pressure monitoring point.

As previously mentioned, wireless data collection system did not prove to be as reliable as had been anticipated so data point information was collected manually to supplement wireless data collection. Issues with temperatures not rising as rapidly as desired were addressed by increasing temperatures of heaters where possible. Vacuum was balanced on a regular basis based on monitoring results as collected. The intent was to keep all pressure monitoring locations from any positive pressure. Vacuum adjustments to individual areas were balanced on a daily basis by throttling the ball valves on each of the vacuum extraction wells to allow more or less vacuum as required to redistribute vacuum to the individual collection points as directed. The vacuum rate on our blowers was also adjusted periodically to aid in optimum system performance.

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4.4 Condensate Generation and Sampling

Condensate was generated at 0.00 to 10.84 gpm during the course of thermal SVE operations. Approximately 764,774 gallons of condensate were generated. The condensate was pumped from collection sumps in each of the treatment areas to a central collection point where it was treated with two 250 lb GAC vessels followed by a 25% sodium hydroxide solution to balance pH. The condensate was then pumped into a discharge stream with blow down water from a closed loop cooling tower, and then into a discharge stream from e2M's groundwater pumping system and then to the POTW.

Condensate samples were collected by TerraTherm at the discharge from the liquid-phase GAC vessels and analyzed for metals, VOCs, SVOCs, and pH by Environmental Testing & Consulting in Memphis, Tennessee.

The laboratory reports are provided in Appendix G, Condensate Sampling Reports.

4.5 System Operational Changes

System operations were relatively consistent throughout most of the operational period. As the project progressed, certain areas required additional heat to achieve target temperatures, so heater temperatures were increased accordingly as necessary. There were a few issues in treatment area 1 when heaters were ramped up a bit too high, causing some heater and circuit failures. Heaters were replaced and circuits were repaired in a timely fashion and there were no extended periods of time when heater circuits were down. Treatment Area 1C proved to be difficult to achieve target temperatures uniformly throughout the area. We believe this was due to a higher moisture content in those areas. This problem was addressed by increasing heater temperatures to the maximum safe operating range, increasing the vapor movement through the soil by adding additional vacuum extraction points and introducing compressed air.

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5. Energy Balance and Mass Removal

During the course of TESVE operations, data was collected and compiled not only to monitor the performance of the TESVE system, but also to provide estimates for the following:

1. An energy balance for the Target Treatment Zone (TTZ), accounting for injected power, heat losses, rates of heating, steam produced by boiling groundwater, and energy extracted with the vacuum system.

2. A mass balance for the amount of contaminants extracted from the subsurface.

5.1 Energy Balance

Figures 5.1 and 5.2 below show the electrical energy delivered and removed as steam and the cumulative energy balance for TESVE operations, respectively. As shown in Figure 5.1, the power input reached a level between 3,000 and 4,500 kW after 10 days of operation, and steam extraction became significant after 4 weeks of heating, before peaking between days 90 and 150 at a rate corresponding to 1,500 kW, or approximately 50% of the power injection at that time.

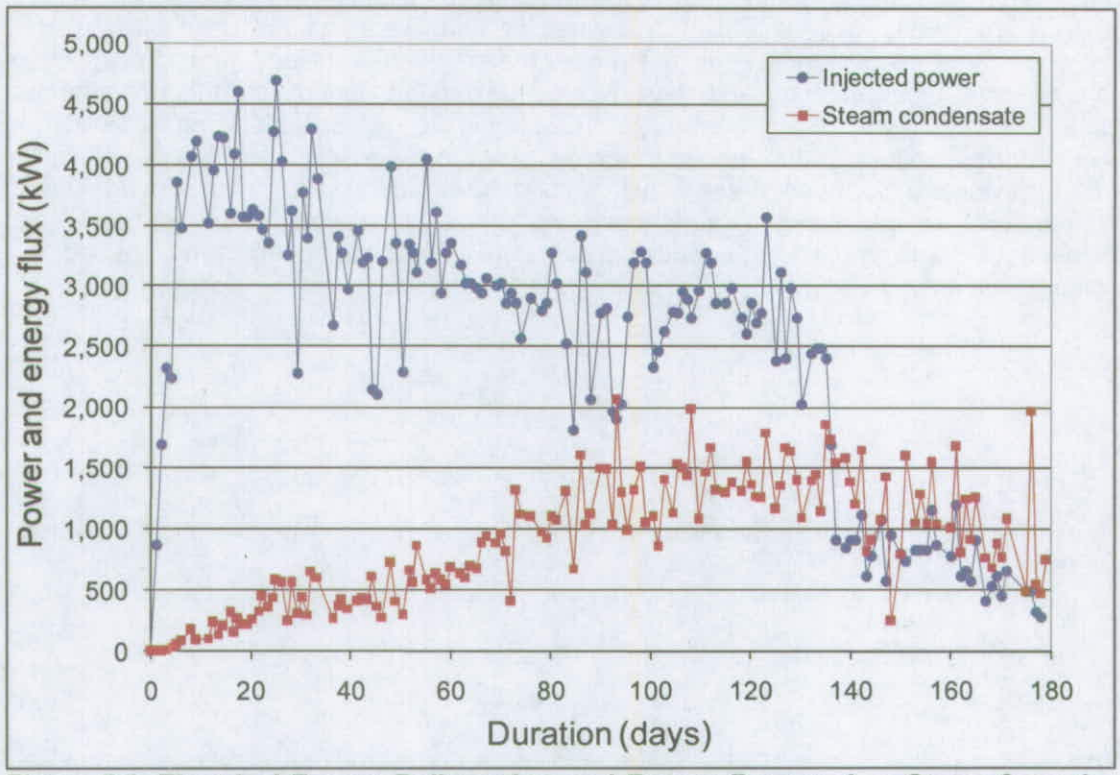


Figure 5.1. Electrical Energy Delivered to and Energy Removed as Steam from the Eight Treatment Areas. Note the drop in power supply on day 135 when two large areas had met the cleanup criteria and were de-energized.

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The vapor extraction system removed approximately 1,350 Nm^3/hr (800 scfm) of air and steam during operations. When the system was shut down after 180 days of operation, a total of 3.0 million liters (793,000 gallons) of steam condensate had been recovered. Based on an average porosity of 30%, the pore volume of the treatment zones was 11,010 m^3 (14,400 CY). With a steam density of 0.62 g/L at atmospheric pressure, the steam removed from the subsurface corresponds to 4.8 million m^3 (6.3 million cy), which is equal to approximately 436 pore volumes of steam generated and extracted from the TTZ. This steam generation, sweep through the subsurface, and extraction is the main mechanism for the physical removal of contaminants.

As originally designed and documented in the Work Plan, an estimated total energy input of approximately 9.05 million kWh of electricity was predicted to be necessary to inject into the subsurface through the heater wells to boil approximately 25-28% of the pore water and to heat the subsurface to 90-100oC. An additional 0.2 million kWh was estimated to be required for the effluent treatment system, for a total estimated energy usage of 9.25 million kWh.

By the end of operation as shown in Figure 5.2, 10.6 million kWh of electric power had been delivered, and 3.8 million kWh of energy in the form of steam had been removed, corresponding to 36% of the injected energy. The energy delivered corresponded to 289 kWh/m^3 (221 kWh per cubic yard) of soil and sediment within the treatment zone.

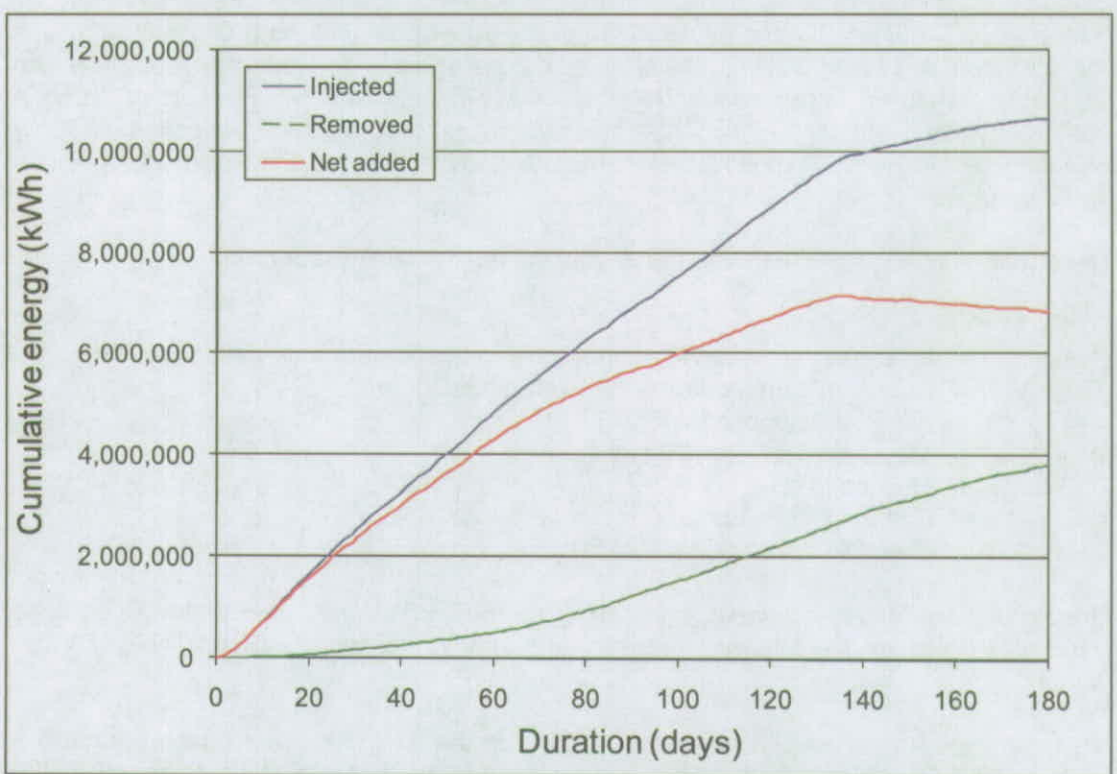


Figure 5.2. Cumulative energy balance for the TESVE operation.

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The additional 1.35 million kWh of power used over the original estimate is a result of the increase of injected power needed to boil off the higher than predicted water in the target treatment zones.

Energy balance calculations were based on simple heat transfer equations and enthalpy of vaporization for water at 100°C. Energy flux in the extracted steam was calculated as the mass of condensate produced in the condenser times a unit energy content of 2,230 kJ/kg (1,050 BTU/lb). The number of pore volumes of steam generated and extracted was estimated from the condensate totals, converted to a steam volume at 100oC using steam table values for steam density (0.60 kg/L), a porosity of 30%, and volume (36,663 m^3 = 49,950 cubic yards) of the treatment zones. The average temperature achieved was estimated from simple averaging of all the thermocouple measurements in each treatment area (as shown in Figure 4.2). It should be noted that this created a bias towards lower numbers, since the majority of the temperature monitoring locations were at the coldest locations in the center of the equilateral triangle formed by three heaters (i.e., the centroid locations), and the fact that hot zones around each heater well were not accounted for in this calculation. This provided a safety margin during operations; ensuring that all locations were properly heated before operations ended in an area.

5.2 Mass Removal

During TESVE operations, the total volume of the vapor phase of the process stream was collected and measured daily. Mass removal estimates were derived from vapor flow rate data and measured vapor concentrations. Daily fluctuations were recorded using a Photoionization Detector (PID). The PID data were calibrated to periodic laboratory sampling results, with response factors adjusted over time as the vapor composition would change.

The equation used to calculate the mass removal during TESVE operations is:

$$M = Q * rf * C * mw * t / 269{,}000$$

M is mass removed in vapor phase in pounds per time period (days)
Q is scfm as measured with averaging pitot tube
rf is PID response factor
mw is average molar weight
t is time in days
C is the PID reading
Mass Removed as Vapor Phase

The vapors and entrained water extracted from the TESVE well field during operations was treated through the following process as originally described in TerraTherm's Work Plan.

1. Vapors and entrained water extracted from the well field were passed through a heat exchanger to reduce the temperature of the extracted fluid stream with the

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objective to both condense the steam and to increase the efficiency of the downstream water and vapor treatment systems.
2. Combined fluids exiting the heat exchanger were introduced to a knockout vessel where liquid and vapor were separated.
3. Vapors were drawn from the knockout pot by the system's vacuum blower, which provided the motive vacuum for the TESVE well field. Vapor discharged from the blower was then passed through a second heat exchanger to decrease the saturation of the vapor stream before entering carbon adsorption beds.
4. Vapors entered a carbon bed trailer for final treatment prior to discharging to atmosphere.

The daily PID readings of the influent concentration to the AQC system were adjusted using a calculated correction factor to estimate the daily and total mass removed from the TTZ. Laboratory results of Summa canister samples taken at the influent to the vapor treatment system on May 30, June 18, July 1, July 8, July 17, July 23, August 22, and September 19, 2008 were compared to the PID readings taken on the same days . A final Summa canister sample was taken on December 1, however, it was not factored into these adjustments due to the fact that at this late stage of the project, the concentrations were relatively insignificant. (laboratory reports are included in Appendix F).

Since a PID does not detect all organic compounds in vapor equally well, it is necessary to apply a compound-specific response factor (provided by the PID manufacturer) to the PID reading. This enables the PID reading to be interpreted as a part per million result.

The calculation of mass removed in the vapor phase for the duration of TESVE operations required a response factor be calculated based on the percent of each compound detected in the Summa samples. The correction factor for each contaminant detected was calculated for each of the influent summa samples taken during the project. For this calculation, the PID manufacturer's published response factor was used to determine the unit response on the PID for seven chlorinated hydrocarbons consistently found in the laboratory Summa sample results (Chloroform, 1,2,2,2-Tetrachloroethane, trans-1,2-Dichloroethylene, Tetrachloroethylene, Trichloroethylene, cis-1,2-Dichloroethylene, and Carbon Tetrachloride). To establish the sample-specific response factor, the laboratory's analytical concentrations were divided by the sum of the seven calculated PID responses to determine the mixture's response factor.

Figure 5.3 below shows the composition of the seven organic compounds for the eight different laboratory sampling events. Different composition percentages resulted in different calculated response factors.

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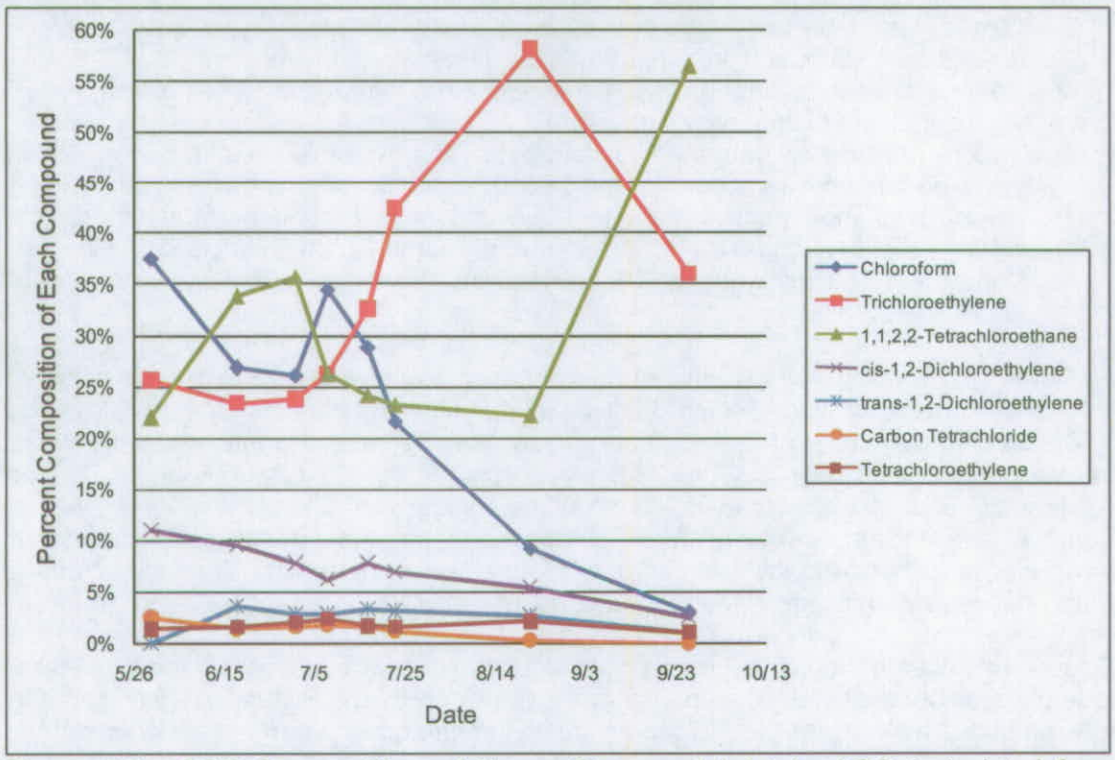


Figure 5.3. COC Composition of Vapor Stream at Inlet to AQC (calculated from summa laboratory results)

Table 5.1 below presents the analysis of the calculated sample-specific correction factor for the July 23, 2008 Summa sampling event. The table below presents an example of the calculation that was used for each of the eight Summa sampling events. As shown below for the July 23 example, the average molar weight was found to be 134.8 and the response factor was calculated to be 1.03.

Table 5.1. Analysis from July 23, 2008 Summa Sample to Calculate the Sample-Specific PID Correction Factor

		laboratory results			published response	calculated PID
compound	mol wght	conc.	units	mw x conc.	factor	detection
Chloroform	119.5	27	PPMv	3227	NR	0.0
Trichloroethylene	131.5	53	PPMv	6970	0.54	98.1
1,1,2,2-Tetrachloroethane	168	29	PPMv	4872	NR	0.0
cis-1,2-Dichloroethylene	97	8.6	PPMv	834	0.8	10.8
tran-1,2-Dichloroethylene	97	3.8	PPMv	369	0.45	8.4
Carbon Tetrachloride	154	1.5	PPMv	231	NR	0.0
Tetrachloroethylene	166	2.0	PPMv	332	0.57	3.5
		125	**SUM**	**16834**	**SUM**	**120.9**
				134.8	**AVE**	**1.03**

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The time intervals between the laboratory analyses varied between 1 and 5 weeks. A response factor and average molar weight were projected linearly between the sampling events. Figure 5.4 below shows the values used for calculating the mass throughout the project.

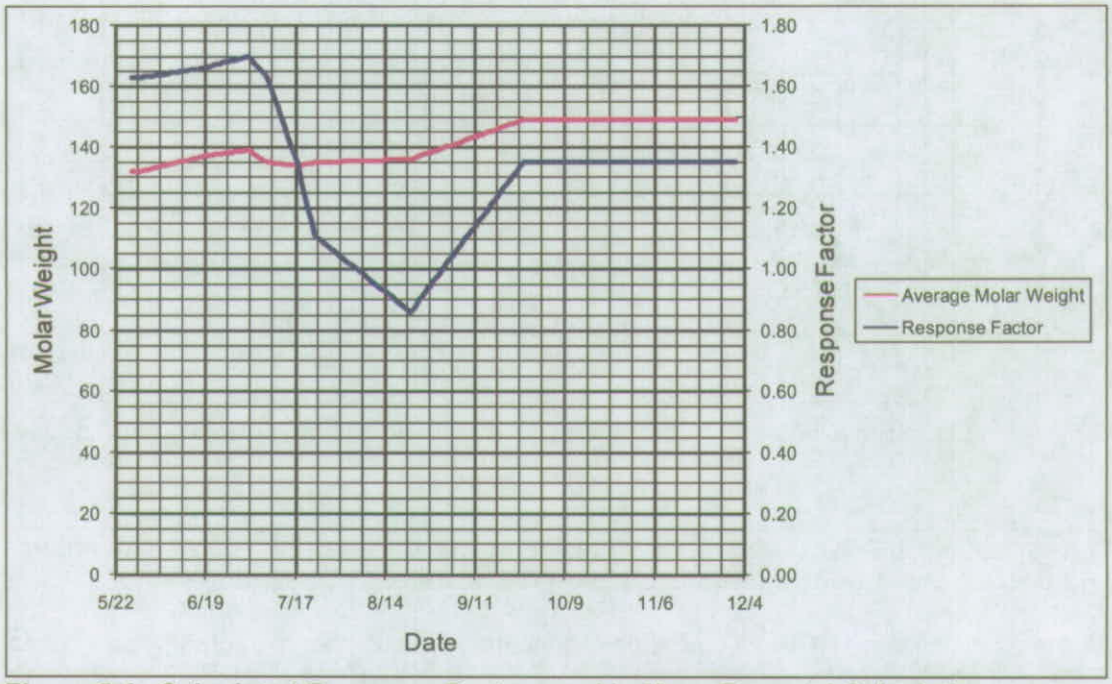


Figure 5.4. Calculated Response Factor used in Mass Removal Calculation

Contaminant concentrations in the extracted vapors started increasing immediately after the start of operations. The concentrations peaked after 90 days of heating and remained high until day 130, and then declined steadily as the depleted treatment areas were shut down as shown below in Figure 5.5. Figure 5.5 also shows the corrected vapor concentration based on the calculated PID correction factor.

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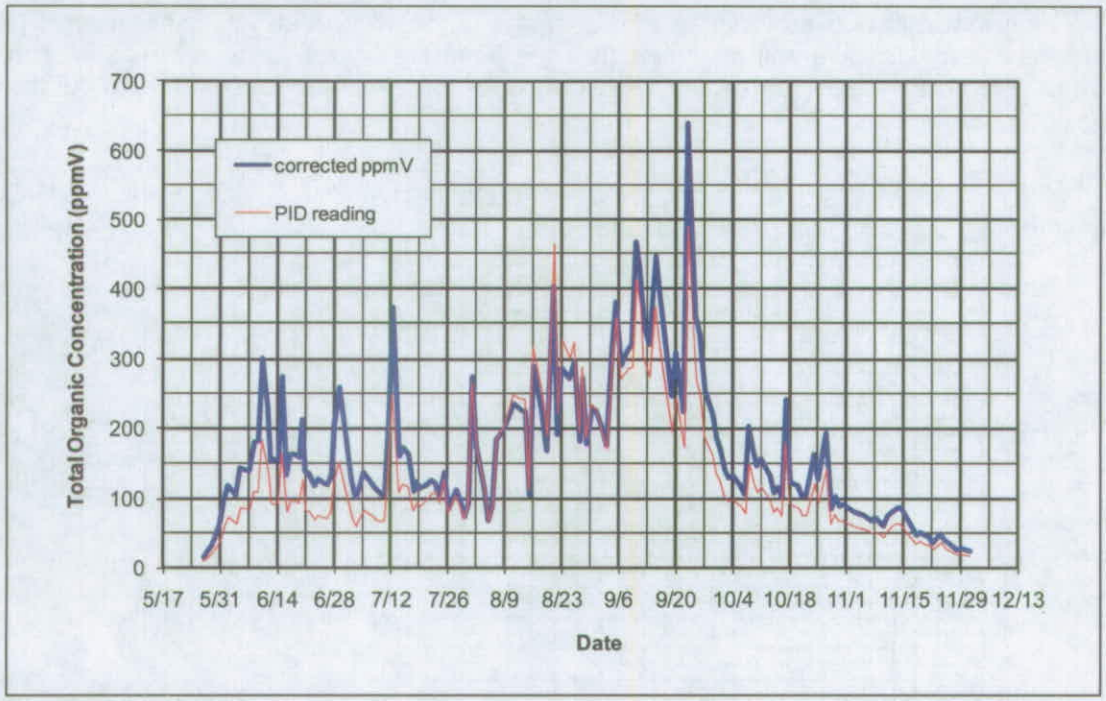


Figure 5.5. PID Concentration Readings over the Duration of TESVE Operations and the Corrected Concentration Based on Calculated PID Correction Factor

At the completion of TESVE operations, concentrations in the extracted vapors were below 30 ppmV, and an estimated total of 5,675 kg (12,500 lbs) of VOCs had been removed in the vapor phase as shown below in Figure 5.6.

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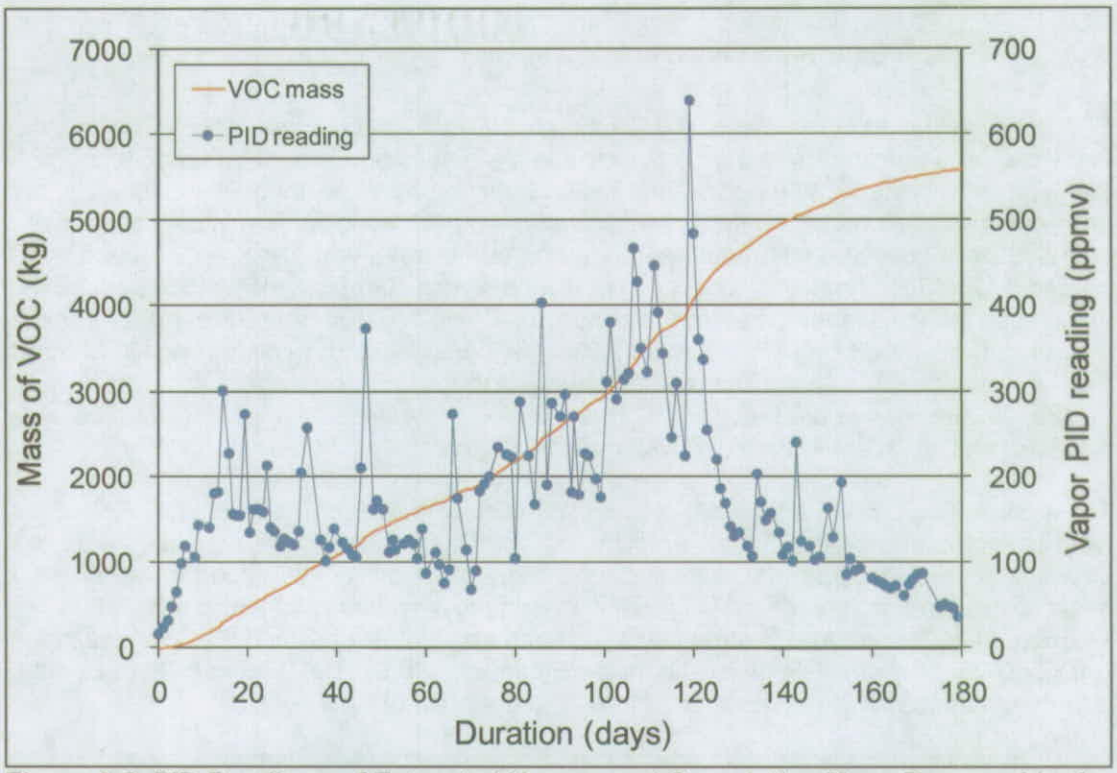


Figure 5.6. PID Readings of Extracted Vapors and Cumulative Mass Removed in the Vapor Phase

Data tables that were used to calculate the mass removal are included as Appendix H.

The condensate liquid stream was not factored into these mass balance calculations as there was no free phase solvent present in the liquid stream and the concentrations in the liquid condensate stream were considered trivial enough to not be considered in the total mass removal estimate.

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10001593

5.3 Soil Sampling Overview

Soil confirmation samples were collected by e2M in a phased approach. The sample locations were selected based on previous sample results and included the locations with the highest reported CVOC concentrations. Samples were planned at multiple depths from several locations with a total of 47 samples from 35 borings. The initial confirmation samples were collected when soil temperatures in the treatment areas approached 90°C on Days 83-85 of treatment operations. Round 2 soil samples were collected at the completion of the planned treatment period on Days 106-108. After Round 2, sample results demonstrated that CVOC concentrations were below remediation goals at 33 of the 47 locations. Treatment operations were focused in the recalcitrant areas and locations were re-sampled at two to three week intervals until the final sample was collected on Day 174 and the RAO was met in all areas.

Soil samples were collected by direct-push sampling with a Geoprobe 6620DT. Soil cores were collected in a 24-inch steel sampling tool with Teflon disposable sleeve. The Teflon sleeve was removed from the sampling tool, capped at both ends, placed in a 9 shallow basin containing ice, and cooled until the sample reached ambient temperature as determined by an infrared thermometer. At each sample depth, three EnCore® samples were collected for analysis of volatile organic compounds by EPA Method 8260. Borings for repeat samples were located 1 to 3 feet from the previous location(s).



Figure 6.1. Geoprobe Unit performing Confirmatory Soil Sampling

Figure 6.2 below shows the sample locations for all soil sampling rounds in all treatment areas.

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TerraTherm, Inc.

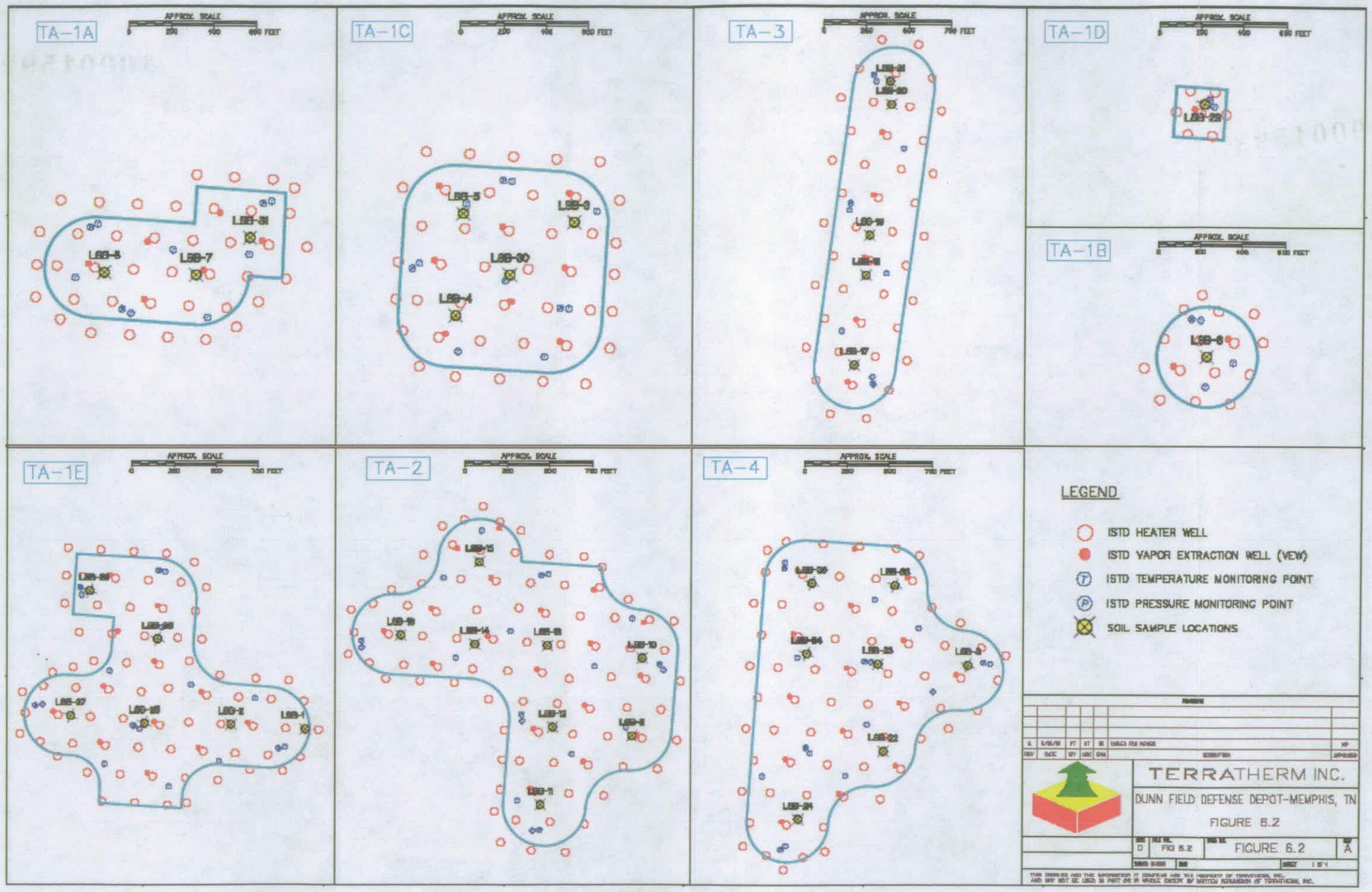


Figure 6.2. Final Soil Sample Locations

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6. Project Records

6.1 Weekly Progress Reports on TESVE System

TerraTherm's project management team began developing weekly progress reports when TerraTherm mobilized to the site to start well installation on 11/26/07. TerraTherm's project management team continued to provide weekly progress reports throughout system construction and operations. These weekly progress reports provided a high level summary of system construction and operations and included interpretations of the TESVE operational data collected and the implications of these data on system performance and treatment progression. The major components of the Weekly Progress Report included a report of current system status and project status during construction with the addition of a treatment summary section during operations. These weekly progress reports are included in this report as Appendix B.

6.2 Project Photographs

A compilation of project photographs is included as Appendix D. Project photographs documenting site conditions prior to TerraTherm's site mobilization, TESVE system construction/operation, soil sampling, and site conditions after TerraTherm's demobilization from the Dunn Field Site are included.

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7. Demobilization

Decommissioning and demobilization was performed in stages as areas were determined to have met criteria. The first area to be decommissioned was Treatment Area (TA) 1D. This was the smallest of all the treatment areas and also had the tightest heater spacing. It achieved target goals in the first week of September 2008. Decommissioning of the remaining areas was sequenced as follows: TA 1A, TA 1B TA 2 and TA 3 all achieved goals during the first week of October 2008. The last treatment areas to achieve goals were TA 1C and TA 4. Both of these areas were heated until November 20, 2008 at which point all remedial goals for the entire project were achieved. At that point all remaining heater circuits were de-energized and full site decommissioning of heaters, wiring, and temperature monitoring equipment began. The vapor extraction system continued to operate until December 4, 2008. The vapor extraction equipment and vapor conveyance piping was then broken down, decontaminated, and demobilized.

The heater cans (lengths of 3" steel pipe) were removed from the subsurface wherever possible from all treatment areas. Cans that could not be removed were cut off at grade. All holes were filled with native soil, sand or betonite chips. The top ten feet were filled with betonite-cement grout for solid surface adherence and to avoid any future settling. Most of the equipment was shipped off site, however, a substantial amount of 3" steel pipe was left on site for shipment at a later date to another TerraTherm project site in Tennessee. e2M granted TerraTherm permission to store the pipe on site for a reasonable period of time. TerraTherm anticipates that the other Tennessee project site will be prepared to accept delivery of the steel pipe within a few months time.

On February 12th 2009, TerraTherm demobilized from the Site. TerraTherm has contracted with a local construction contractor, Terry Construction, to perform rough grading to provide adequate drainage and to return the Site to a condition substantially similar to that in which it was prior to the start of remediation activities. Due to unusually wet weather conditions, Terry Construction has determined that it is necessary to wait until such time as the soil conditions are drier than they are right now to perform this rough grading. The concrete covers are being left in place.

Final site restoration was completed in April of 2009. TerraTherm had completed all of the major demobilization work in February, but due to unusually wet weather conditions, the grading subcontractor was unable to properly finish the rough grading until April when the surface areas were dry enough to support heavy equipment.

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8. Conclusion

TerraTherm's TESVE technology was selected to treat eight source areas at the Dunn Field Site. Thermal Conduction Heating, also called In-Situ Thermal Desorption (ISTD), was used to heat the target areas to temperatures between 90 and 110°C. Soil vapors were extracted from vertical vapor extraction wells located next to selected heater wells. A total of 367 heater wells and 68 vacuum extraction wells were used and 63 temperature monitoring wells and 26 pressure monitoring wells yielded data to support the heating and vacuum applied to the eight areas. The heater well spacing varied between 15 ft (in smaller areas with high starting concentrations) and 18 ft (in larger areas with lower starting concentrations).

In conclusion, TESVE proved to be highly effective for the treatment of chlorinated solvents in the eight CVOC source areas at the Dunn Field Site. The eight areas were heated over a period of 177 days, and 5,675 kg (12,500 lbs) of CVOC contaminants were removed from the subsurface. Soil concentrations of all contaminants were reduced from over 1,000 mg/kg (indicating the presence of DNAPL) to below 1 mg/kg in all samples, with all remedial goals being met.

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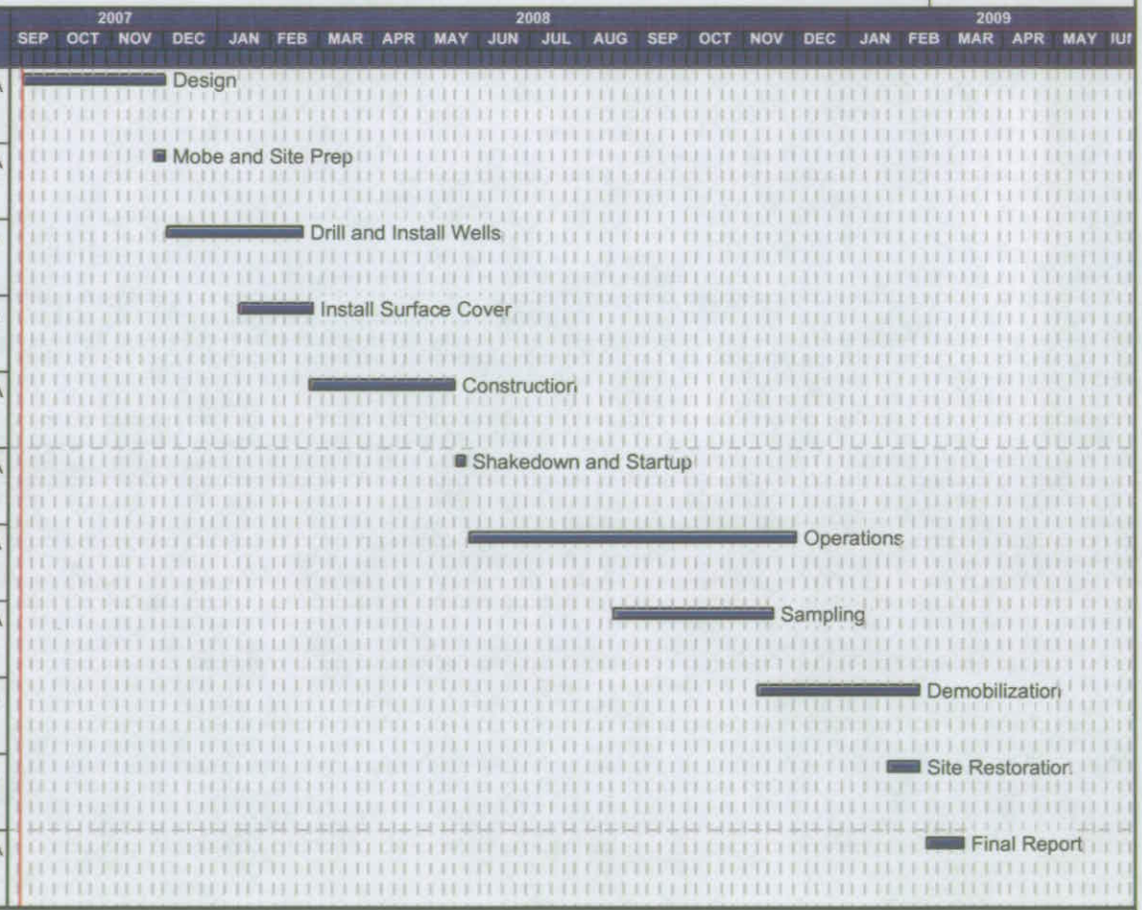
APPENDIX A

FINAL PROJECT SCHEDULE

10001599

TerraTherm

Description	Early Start	Early Finish
Design	11SEP07 A	03DEC07 A
Mobe and Site Prep	26NOV07 A	03DEC07 A
Drill and Install Wells	03DEC07 A	22FEB08 A
Install Surface Cover	14JAN08 A	28FEB08 A
Construction	25FEB08 A	19MAY08 A
Shakedown and Startup	19MAY08 A	26MAY08 A
Operations	27MAY08 A	04DEC08 A
Sampling	18AUG08 A	20NOV08 A
Demobilization	10NOV08 A	13FEB09 A
Site Restoration	25JAN09 A	13FEB09 A
Final Report	16FEB09 A	11MAR09 A



Project name	Dunn Field
Run date	13MAR09
Page number	1A

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TerraTherm
Dunn Field - Memphis Depot
e2M

Early bar
Progress bar
Critical bar
Summary bar
Start milestone point
Finish milestone point

APPENDIX B

WEEKLY PROGRESS REPORTS

Progress Report
Dunn Field
Defense Depot Memphis, Tennessee
Thermally Enhanced SVE

Report Date 12/08/08

Covering Period of Work Performed From: 12/01/08 through 12/07/08

Treatment Summary

The system operated for a total of 191 days. Heating operations were completed on 11/20/08. All heaters were shut down at day 177 of operations. The vacuum extraction system was shut down on 12/4/08

Average power used last week was approximately 405 kW. We had used a total of 10,543,252 kWh of energy as of the last meter reading on 12/1/08.

The estimated mass removed was increased by 44 pounds last week. Total estimate removed is approximately 12,350 pounds. The vapor extraction rate was averaging approximately 700 SCFM and PID readings have been averaging ~ 25 ppmv.

Operations

All system operations were completed as of December 4, 2008.

12/07/08 and Going Forward

TerraTherm will continue demobilization of all equipment from all treatment areas.

Progress Report
Dunn Field
Defense Depot Memphis, Tennessee
Thermally Enhanced SVE

Report Date 12/01/08

Covering Period of Work Performed From: 11/24/08 through 11/30/08

Treatment Summary

The system has been in operation for 188 days. Heating operations were completed on 11/20/08. All heaters were shut down at day 177 of operations.

Average power used last week was approximately 767 kW. We have used a total of 10,532,612 kWh of energy to date.

The estimated mass removed was increased by 125 pounds last week. Total estimate removed is approximately 12,306 pounds to date. The vapor extraction rate has been averaging approximately 675 SCFM and PID readings have been averaging ~ 35 ppmv.

Operations

Heater circuits in area TA-1C, and TA-4 were de-energized on 11/20/08. The vacuum extraction system is operational in TA-1C, TA-1E and TA-4 only.

Soil sample results are below the RGs, therefore all heater circuits are de-energized.

11/24/08 and Going Forward

TerraTherm will continue demobilization of its heating operations equipment from all treatment areas.

Vacuum extraction will continue in TA-1C, TA-1E and TA-4.

Progress Report
Dunn Field
Defense Depot Memphis, Tennessee
Thermally Enhanced SVE

Report Date 11/24/08

Covering Period of Work Performed From: 11/17/08 through 11/23/08

Treatment Summary

The system has been in operation for 181 days. Heating operations were completed on 11/20/08. All heaters were shut down at day 177 of operations.

Average power used last week was approximately 767 kW. We have used a total of 10,532,612 kWh of energy to date.

The estimated mass removed was increased by 125 pounds last week. Total estimate removed is approximately 12,306 pounds to date. The vapor extraction rate has been averaging approximately 675 SCFM and PID readings have been averaging ~ 35 ppmv.

Operations

Heater circuits in area TA-1C, and TA-4 were de-energized on 11/20/08. The vacuum extraction system is operational in TA-1C, TA-1E and TA-4 only.

Soil sample results are below the RGs, therefore all heater circuits are de-energized.

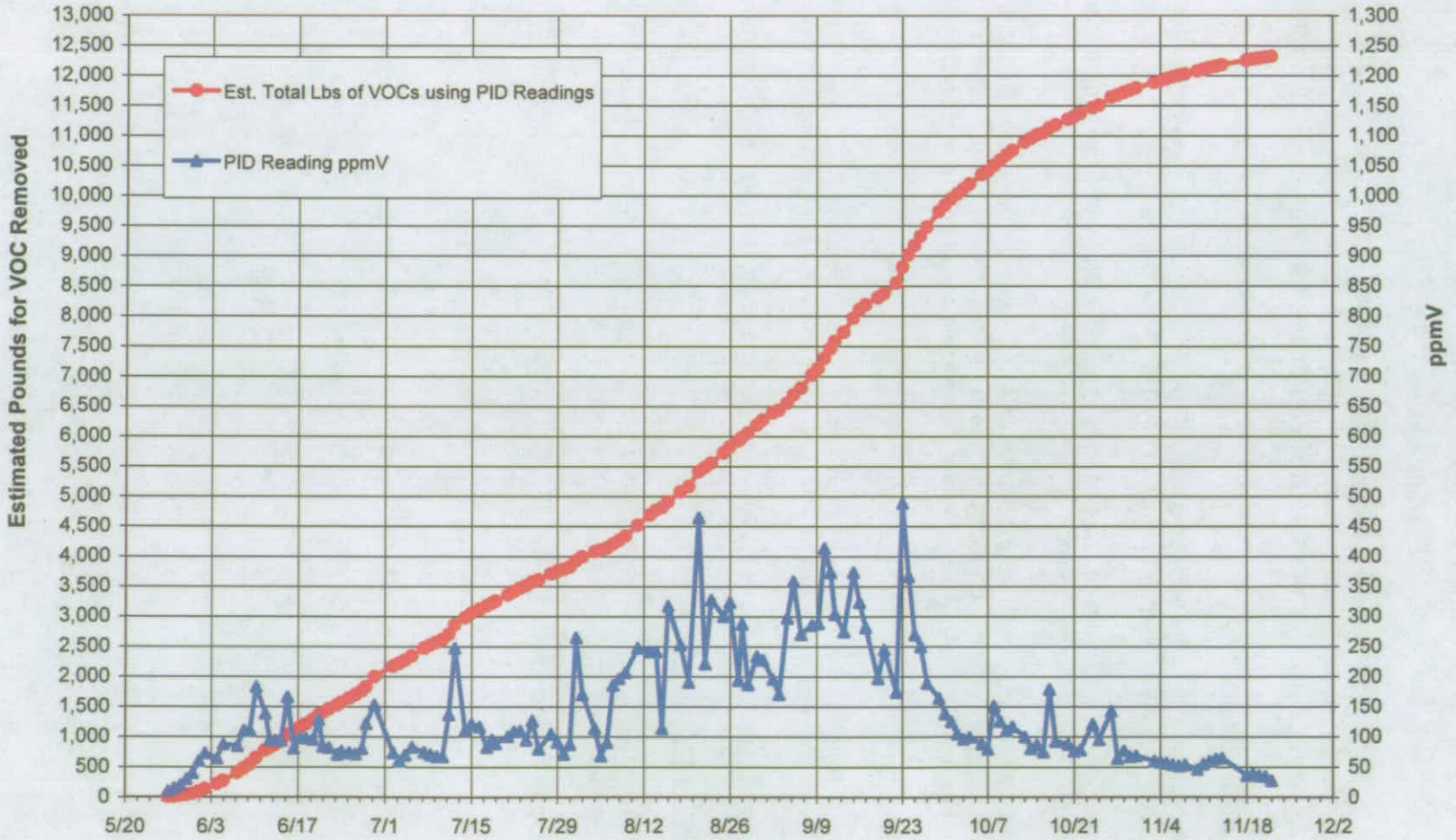
11/24/08 and Going Forward

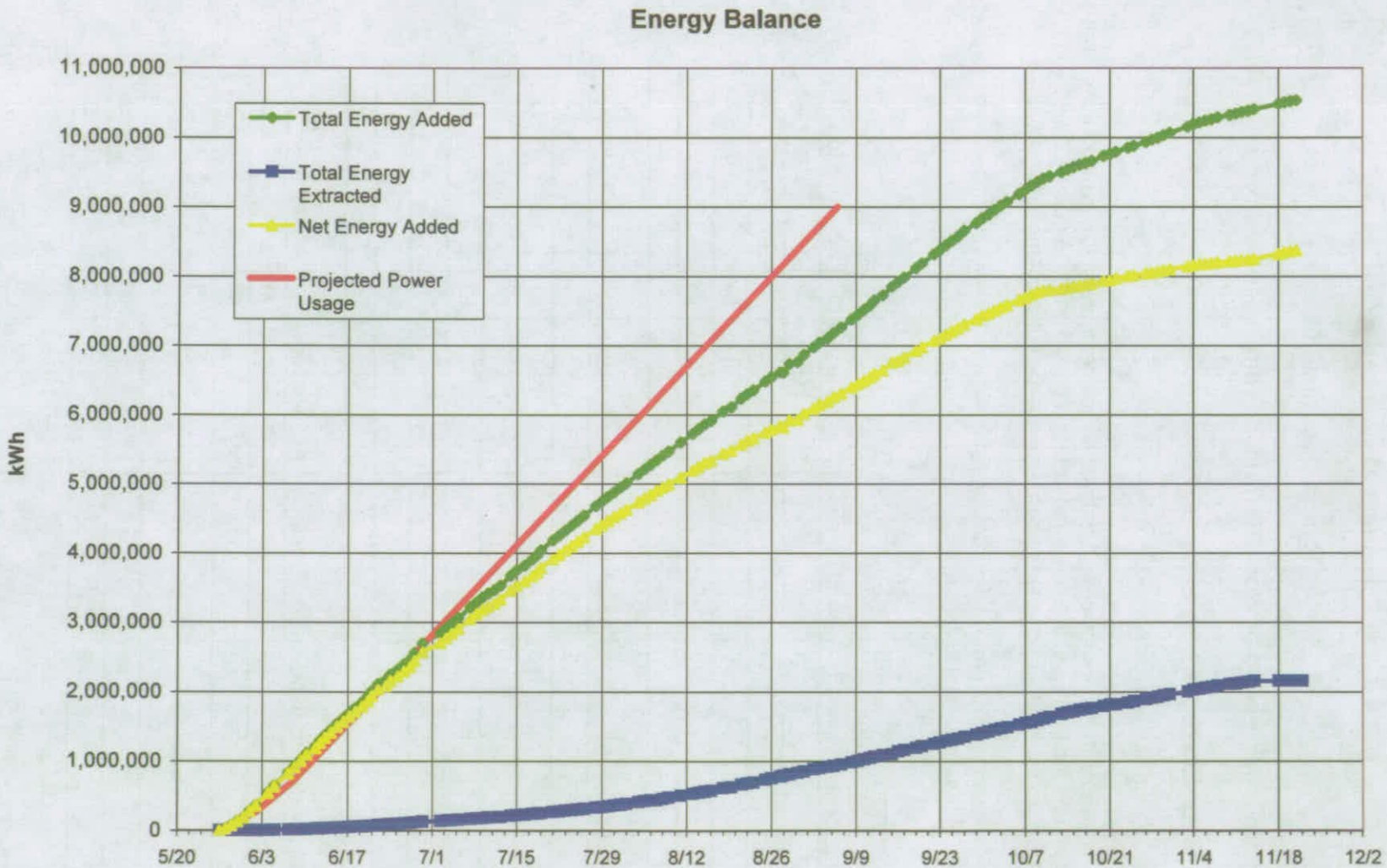
TerraTherm will continue demobilization of its heating operations equipment from all treatment areas.

Vacuum extraction will continue in TA-1C, TA-1E and TA-4.

10001604

Estimated Mass Removed in Vapor Stream




Energy Balance
kWh
11,000,000
10,000,000
9,000,000
8,000,000
7,000,000
6,000,000
5,000,000
4,000,000
3,000,000
2,000,000
1,000,000
0
5/20
6/3
6/17
7/1
7/15
7/29
8/12
8/26
9/9
9/23
10/7
10/21
11/4
11/18
12/2
Total Energy Added
Total Energy Extracted
Net Energy Added
Projected Power Usage

10001605

Progress Report
Dunn Field
Defense Depot Memphis, Tennessee
Thermally Enhanced SVE

Report Date 11/17/08

Covering Period of Work Performed From: 11/10/08 through 11/16/08

Treatment Summary

The system has been in operation for 174 days.

Temperature maps are attached. The maps show temperatures in two columns. The column on the left represents the temperature reported on November 9, 2008. The column on the right depicts the temperature recorded on November 16, 2008.

The following tables provide a summary display of depth average temperature status in each of the Treatment areas.

Area 1A

Temp Sensor Depth (ft)	No. of sensors	Avg. temp (deg C)	Avg. temp (deg f)
5	7	74	166
10	7	83	181
15	7	84	184
20	7	83	182

Area 1B

Temp Sensor Depth (ft)	No. of sensors	Avg. temp (deg C)	Avg. temp (deg f)
5	3	66	150
10	3	81	177
15	3	84	183
20	3	86	187
25	3	86	186
30	3	84	182

Area 1C

Temp Sensor Depth (ft)	No. of sensors	Avg. temp (deg C)	Avg. temp (deg f)
5	8	73	163
10	8	94	202
15	8	99	210
20	8	100	212
25	8	100	212
030	8	100	212

10001607

Area 1D

Temp Sensor Depth (ft)	No. of sensors	Avg. temp (deg C)	Avg. temp (deg f)
5	1	44	111
10	1	63	146
15	1	71	159
20	1	70	158
25	1	7	162
30	1	66	150

Area 1E

Temp Sensor Depth (ft)	No. of sensors	Avg. temp (deg C)	Avg. temp (deg f)
5	12	86	186
10	12	97	206
15	12	97	207
20	12	97	207
25	12	96	204
30	12	91	195

Area 2

Temp Sensor Depth (ft)	No. of sensors	Avg. temp (deg C)	Avg. temp (deg f)
5	14	65	149
10	14	82	179
15	14	85	185
20	14	87	188
25	14	97	189
30	14	85	185

Area 3

Temp Sensor Depth (ft)	No. of sensors	Avg. temp (deg C)	Avg. temp (deg f)
5	6	63	146
10	6	82	180
15	6	89	191
20	6	90	194
25	6	88	191
30	6	84	183

Area 4

Temp Sensor Depth (ft)	No. of sensors	Avg. temp (deg C)	Avg. temp (deg f)
5	12	80	176
10	12	96	205
15	12	99	211
20	12	100	212
25	12	98	209
30	12	91	195

Average power injected into the soil last week was approximately 700 kW. We have added a total of 10,403,634 kWh of energy to the soil to date.

The estimated mass removed was increased by 177 pounds last week. Total estimate removed is approximately 12,181 pounds to date. The vapor extraction rate has been averaging approximately 618 SCFM and PID readings have been averaging ~ 57 ppmv.

Operations

Heater circuits in area TA-1C, and TA-4 continue to run at maximum capacity. Vacuum extraction system is operational in TA-1C, TA-1E and TA-4 only.

All results from the most recent sample event are below the RGs except for 1,1,2,2-TeCA in sample location LSB-4-10-11 in TA-1C.

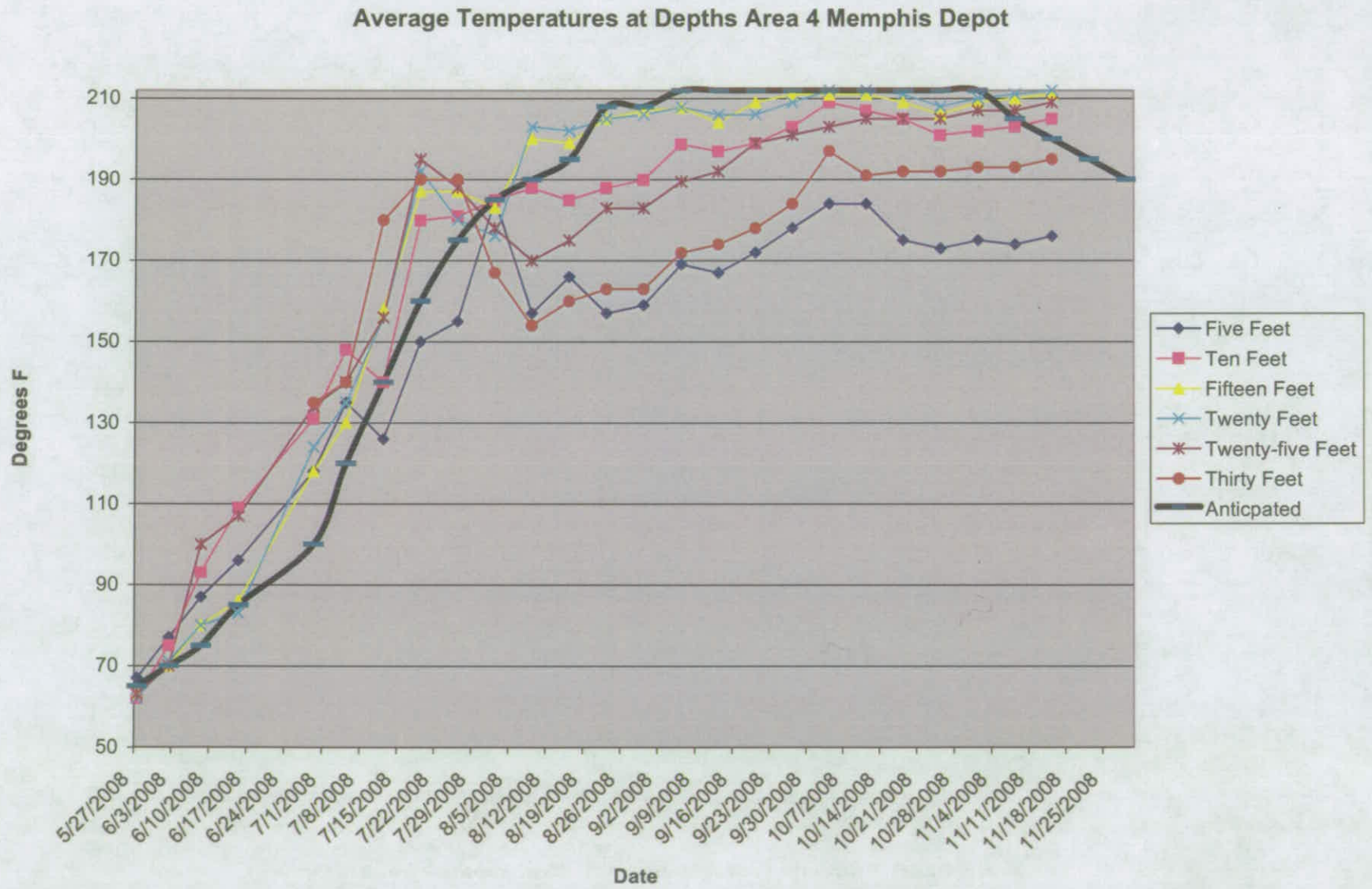
Updated depth average temperature charts are attached.

11/17/08 and Going Forward

Heating operations will continue in TA-1C until 11/21/08.

A soil sampling event is scheduled today for the one remaining recalcitrant sample location.

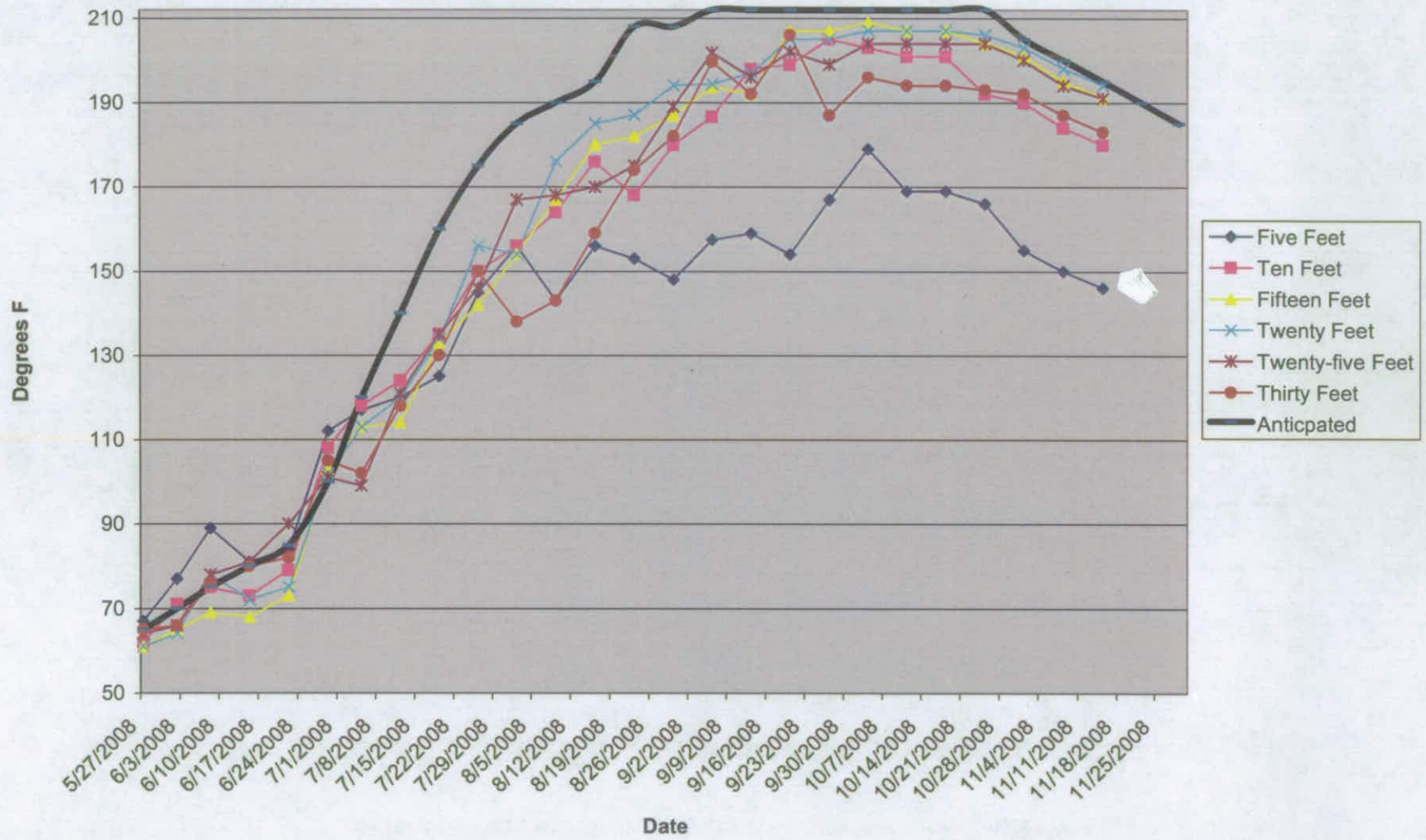
TerraTherm will continue demobilization of its operations equipment from all treatment areas that have been de-energized. We will be unable to continue to report temperature data from most areas as we remove temperature sensors and transmitters from most of the project site.

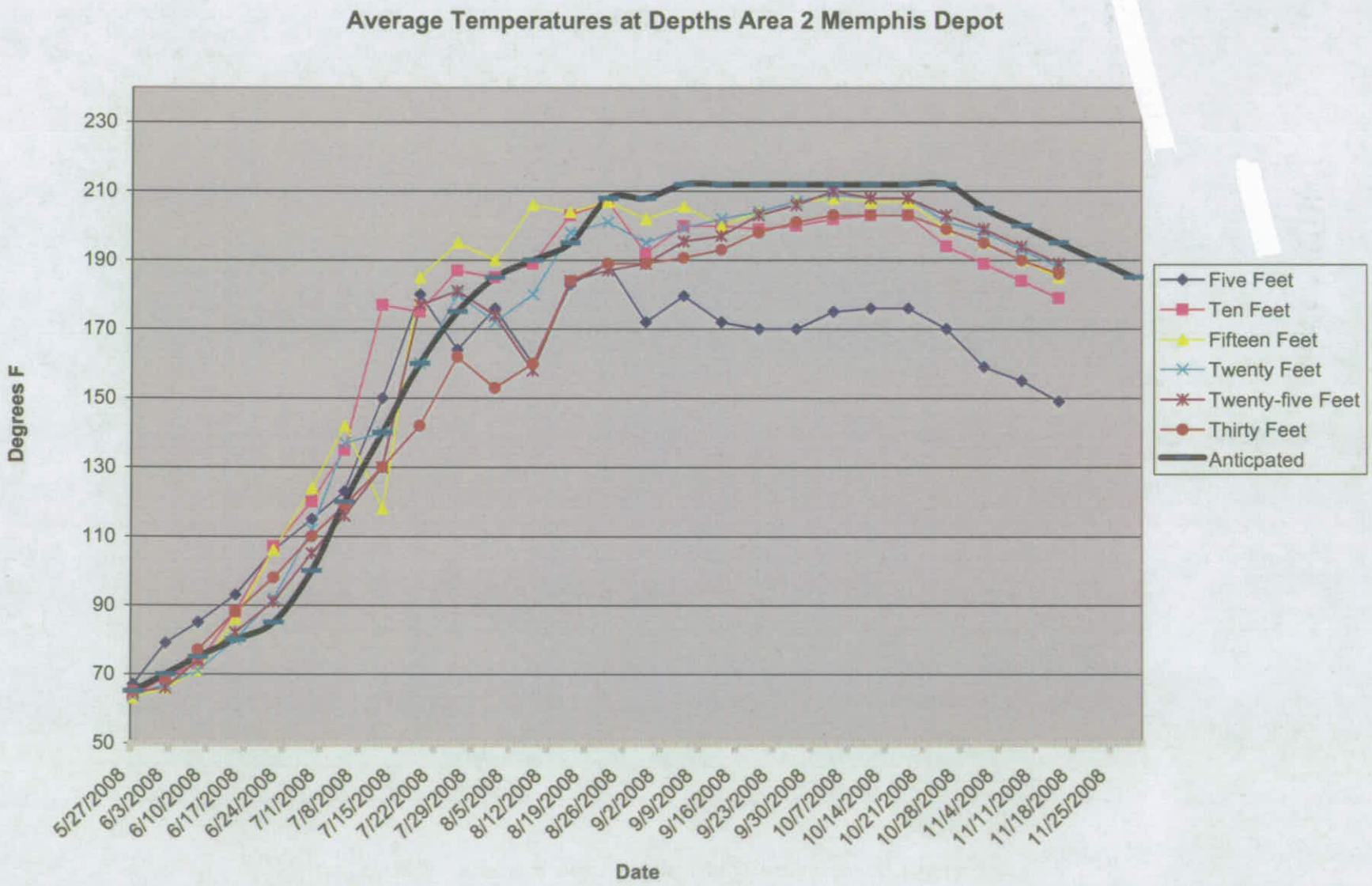

Average Temperatures at Depths Area 4 Memphis Depot
Degrees F
210
190
170
150
130
110
90
70
50
5/27/2008
6/3/2008
6/10/2008
6/17/2008
6/24/2008
7/1/2008
7/8/2008
7/15/2008
7/22/2008
7/29/2008
8/5/2008
8/12/2008
8/19/2008
8/26/2008
9/2/2008
9/9/2008
9/16/2008
9/23/2008
9/30/2008
10/7/2008
10/14/2008
10/21/2008
10/28/2008
11/4/2008
11/11/2008
11/18/2008
11/25/2008
Date
Five Feet
Ten Feet
Fifteen Feet
Twenty Feet
Twenty-five Feet
Thirty Feet
Anticpated

10001609

1000161.0

Average Temperatures at Depths Area 3 Memphis Depot

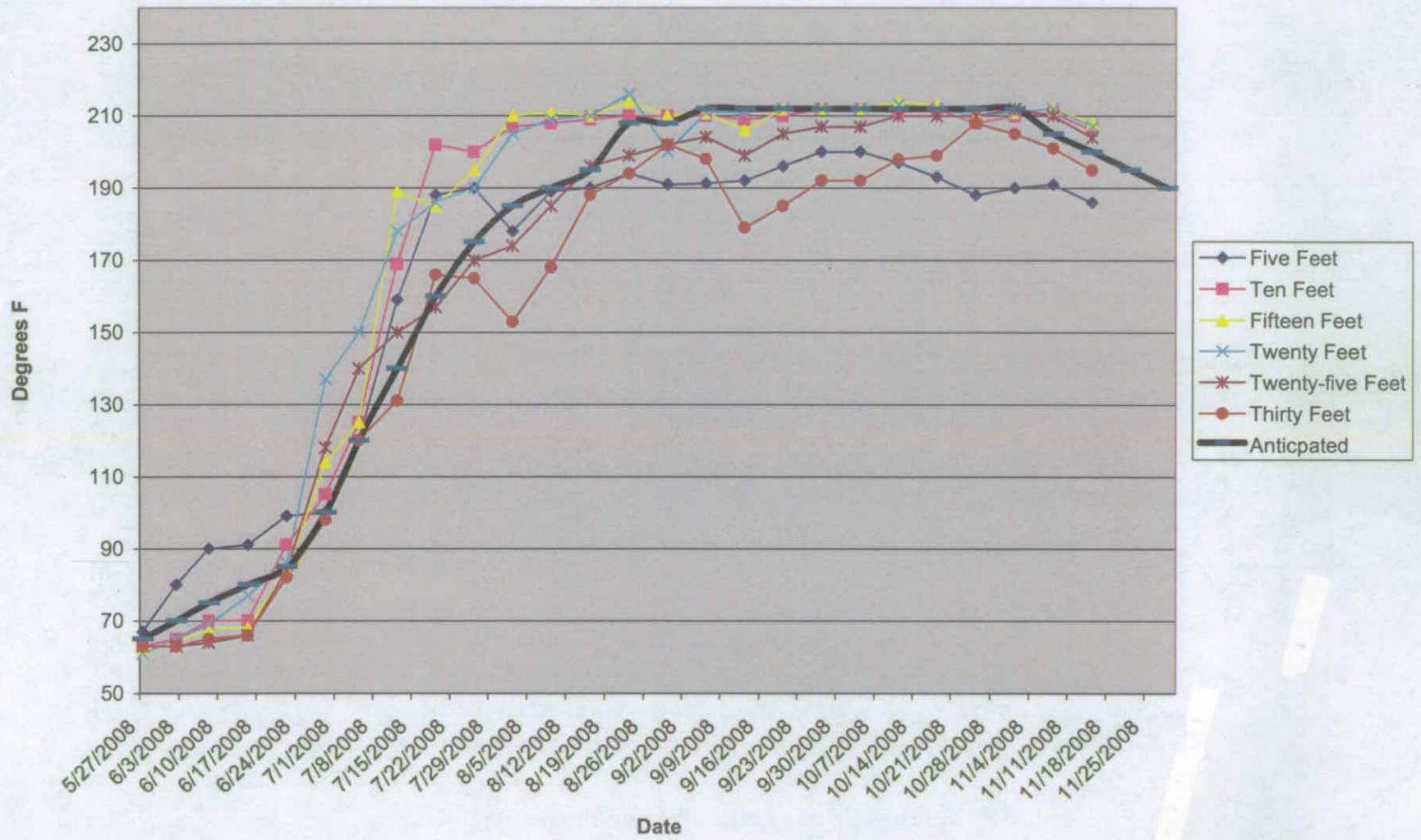


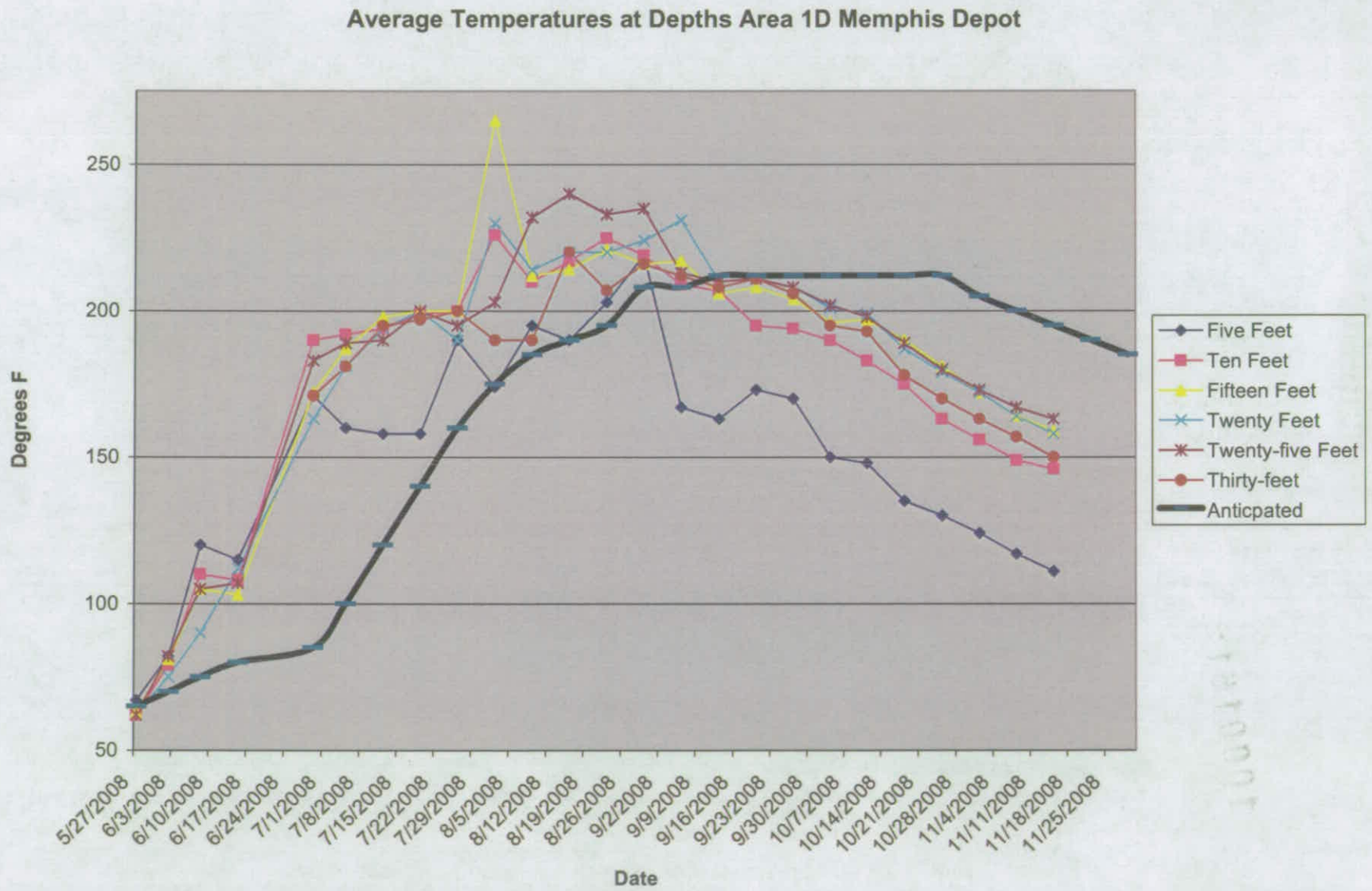

Average Temperatures at Depths Area 2 Memphis Depot
Degrees F
230
210
190
170
150
130
110
90
70
50
5/27/2008
6/3/2008
6/10/2008
6/17/2008
6/24/2008
7/1/2008
7/8/2008
7/15/2008
7/22/2008
7/29/2008
8/5/2008
8/12/2008
8/19/2008
8/26/2008
9/2/2008
9/9/2008
9/16/2008
9/23/2008
9/30/2008
10/7/2008
10/14/2008
10/21/2008
10/28/2008
11/4/2008
11/11/2008
11/18/2008
11/25/2008
Date
Five Feet
Ten Feet
Fifteen Feet
Twenty Feet
Twenty-five Feet
Thirty Feet
Anticpated

10001611

10001612

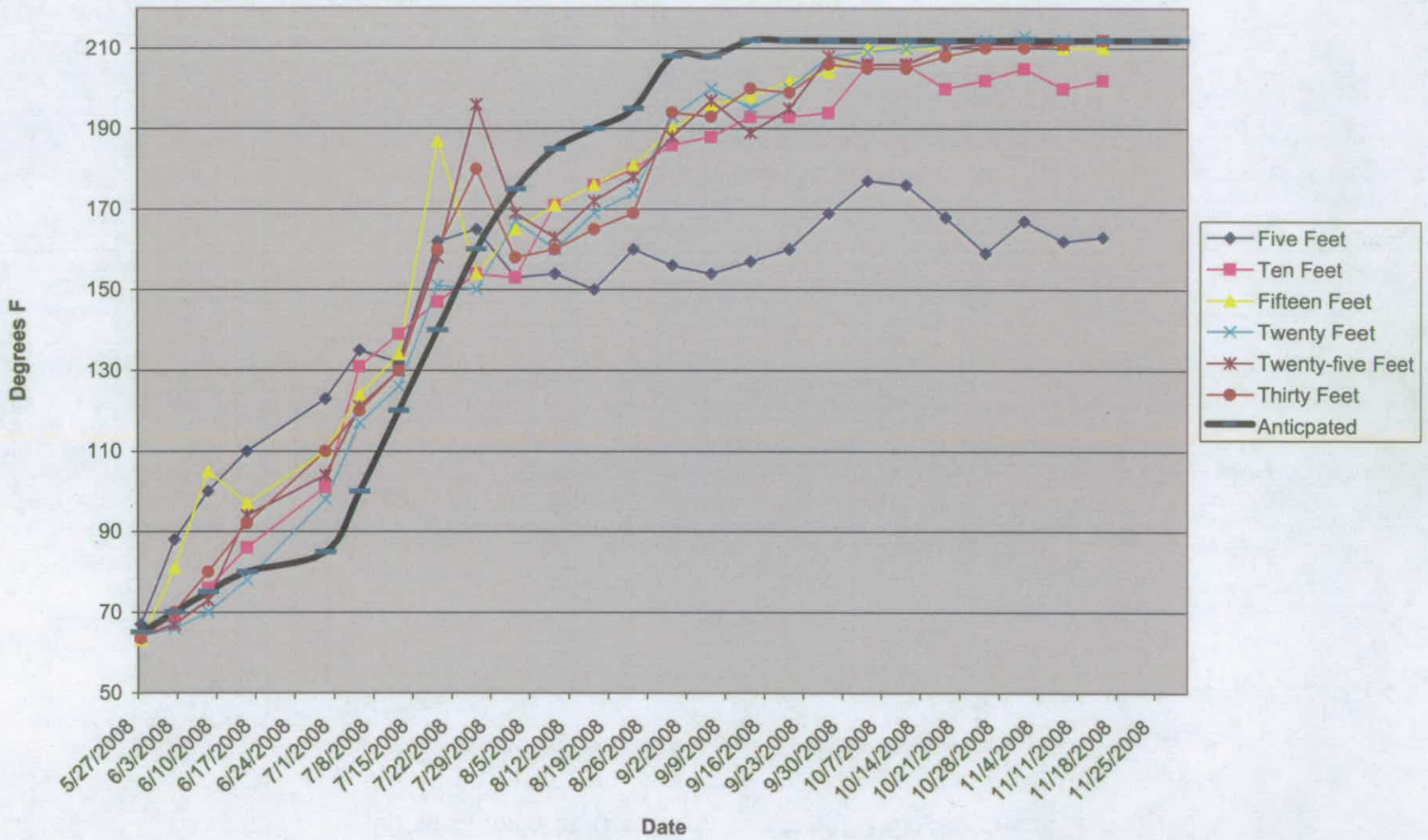
Average Temperatures at Depths Area 1E Memphis Depot

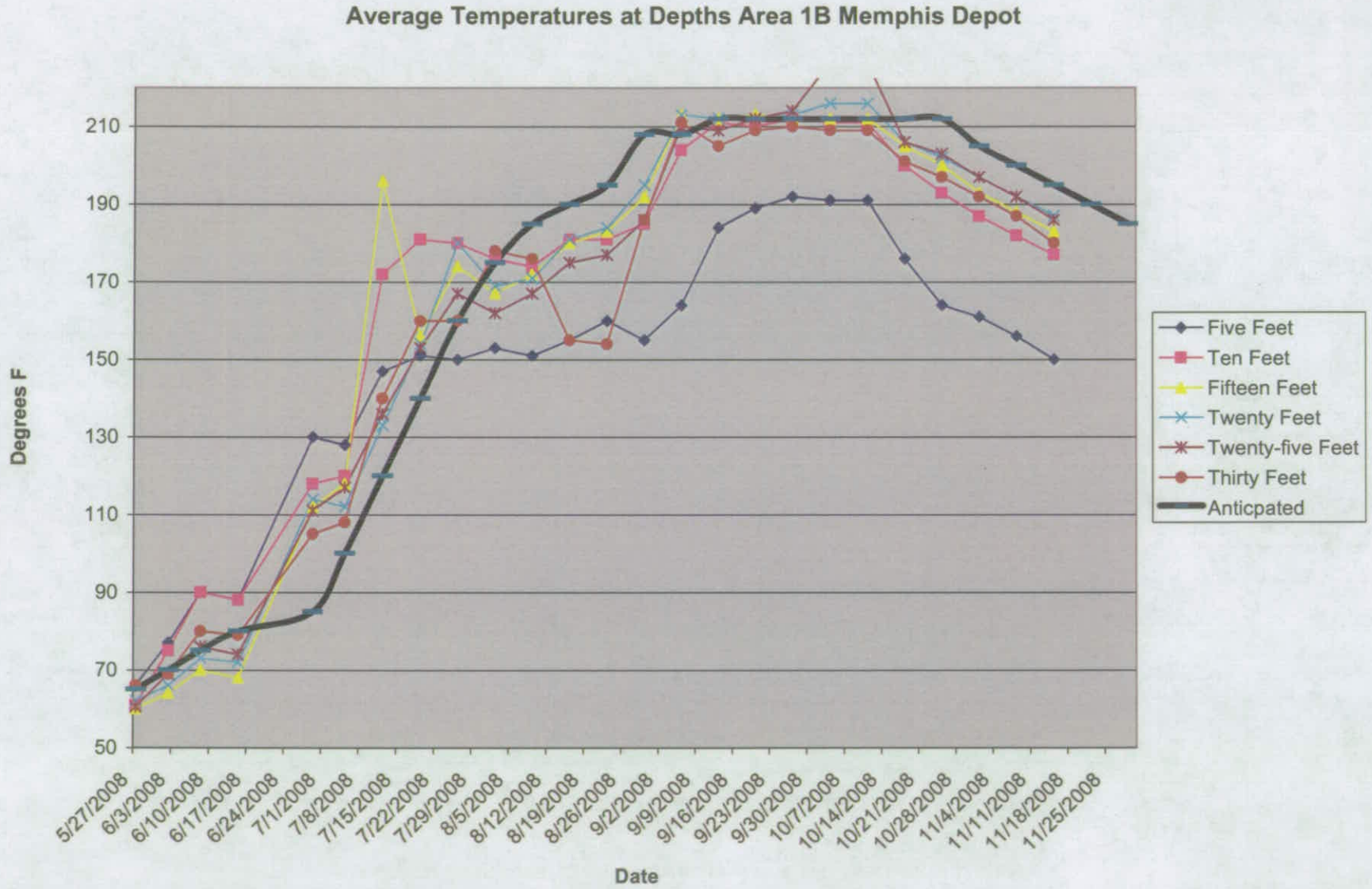



Average Temperatures at Depths Area 1D Memphis Depot
Degrees F
250
200
150
100
50
5/27/2008
6/3/2008
6/10/2008
6/17/2008
6/24/2008
7/1/2008
7/8/2008
7/15/2008
7/22/2008
7/29/2008
8/5/2008
8/12/2008
8/19/2008
8/26/2008
9/2/2008
9/9/2008
9/16/2008
9/23/2008
9/30/2008
10/7/2008
10/14/2008
10/21/2008
10/28/2008
11/4/2008
11/11/2008
11/18/2008
11/25/2008
Date
Five Feet
Ten Feet
Fifteen Feet
Twenty Feet
Twenty-five Feet
Thirty-feet
Anticpated

10001614

Average Temperatures at Depths Area 1C Memphis Depot

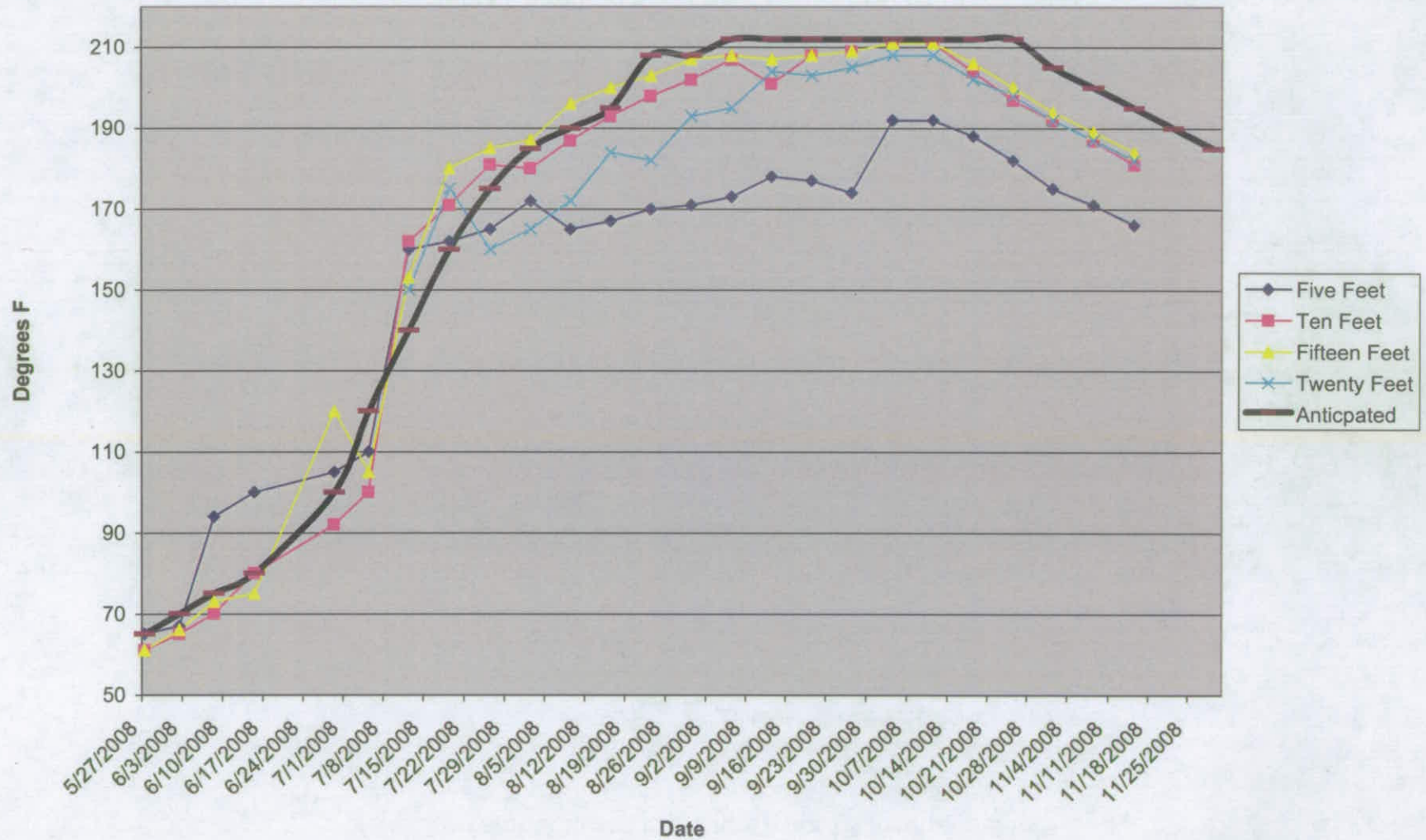



Average Temperatures at Depths Area 1B Memphis Depot
Degrees F
210
190
170
150
130
110
90
70
50
5/27/2008
6/3/2008
6/10/2008
6/17/2008
6/24/2008
7/1/2008
7/8/2008
7/15/2008
7/22/2008
7/29/2008
8/5/2008
8/12/2008
8/19/2008
8/26/2008
9/2/2008
9/9/2008
9/16/2008
9/23/2008
9/30/2008
10/7/2008
10/14/2008
10/21/2008
10/28/2008
11/4/2008
11/11/2008
11/18/2008
11/25/2008
Date
Five Feet
Ten Feet
Fifteen Feet
Twenty Feet
Twenty-five Feet
Thirty Feet
Anticpated

10001615

10001616

Average Temperatures at Depths Area 1A Memphis Depot



10001617

T-1		
DEPTH	TEMP	
5	157	152
10	180	172
15	187	182
20	190	185

T-2		
DEPTH	TEMP	
5	151	146
10	187	182
15	187	182
20	185	180

T-3		
DEPTH	TEMP	
5	170	165
10	187	183
15	192	187
20	190	186

T-4		
DEPTH	TEMP	
5	186	181
10	183	178
15	192	187
20	187	182

T-5		
DEPTH	TEMP	
5	190	185
10	192	187
15	196	191
20	190	185

T-6		
DEPTH	TEMP	
5	175	170
10	188	183
15	185	180
20	185	181

T-7		
DEPTH	TEMP	
5	165	162
10	190	185
15	184	178
20	181	176

TA-1A

T-8		
DEPTH	TEMP	
5	130	125
10	180	175
15	181	176
20	190	185
25	187	182
30	183	180

T-9		
DEPTH	TEMP	
5	162	155
10	184	179
15	190	185
20	189	184
25	190	184
30	187	182

T-10		
DEPTH	TEMP	
5	176	171
10	183	178
15	193	189
20	197	192
25	198	193
30	190	185

TA-1B

T-11		
DEPTH	TEMP	
5	108	109
10	205	206
15	212	213
20	214	215
25	214	215
30	214	215

T-12		
DEPTH	TEMP	
5	187	188
10	208	211
15	213	210
20	214	210
25	212	213
30	213	214

T-13		
DEPTH	TEMP	
5	157	156
10	195	196
15	212	213
20	214	215
25	209	210
30	208	209

T-14		
DEPTH	TEMP	
5	146	147
10	185	190
15	200	201
20	206	205
25	210	211
30	210	211

T-15		
DEPTH	TEMP	
5	162	163
10	193	195
15	213	214
20	213	214
25	212	213
30	211	212

T-16		
DEPTH	TEMP	
5	188	189
10	205	206
15	208	209
20	210	211
25	210	211
30	206	207

T-17		
DEPTH	TEMP	
5	185	187
10	210	211
15	212	213
20	213	211
25	211	212
30	209	210

T-18		
DEPTH	TEMP	
5	159	160
10	200	201
15	206	209
20	213	214
25	213	211
30	213	214

T-19		
DEPTH	TEMP	
5	117	111
10	149	146
15	164	159
20	164	158
25	167	162
30	157	150

TRANSFORMER T1

TA-1C

TA-1D

T-20		
DEPTH	TEMP	
5	187	182
10	201	196
15	210	205
20	210	205
25	207	202
30	198	193

T-21		
DEPTH	TEMP	
5	188	183
10	206	204
15	211	208
20	209	204
25	209	204
30	196	191

T-22		
DEPTH	TEMP	
5	196	191
10	212	207
15	214	209
20	213	208
25	212	207
30	191	186

T-23		
DEPTH	TEMP	
5	213	206
10	213	208
15	213	208
20	213	206
25	213	205
30	211	204

T-24		
DEPTH	TEMP	
5	194	189
10	212	207
15	213	208
20	210	205
25	208	203
30	192	188

T-25		
DEPTH	TEMP	
5	183	178
10	212	207
15	213	208
20	213	208
25	212	207
30	210	205

T-26		
DEPTH	TEMP	
5	172	167
10	213	208
15	213	207
20	211	206
25	210	205
30	202	197

T-27		
DEPTH	TEMP	
5	192	187
10	212	207
15	214	209
20	213	208
25	211	206
30	201	198

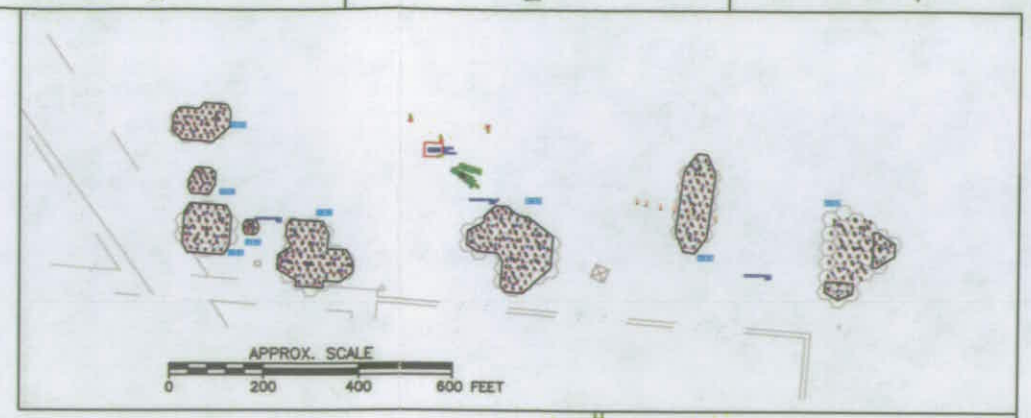
T-28		
DEPTH	TEMP	
5	213	208
10	213	208
15	211	206
20	214	209
25	212	207
30	211	206

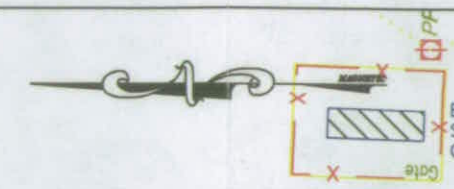
T-29		
DEPTH	TEMP	
5	166	161
10	212	207
15	211	206
20	213	208
25	196	191
30	174	171

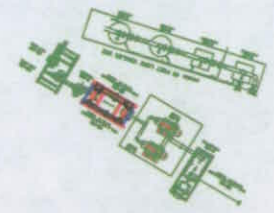
TA-1E

T-30		
DEPTH	TEMP	
5	206	199
10	212	205
15	213	208
20	212	207
25	213	207
30	210	205

T-31		
DEPTH	TEMP	
5	186	181
10	212	207
15	211	206
20	213	208
25	213	208
30	210	205







TRANSFORMER T2

T-36		
DEPTH	TEMP	
5	161	156
10	189	184
15	195	190
20	198	193
25	199	194
30	195	190

T-40		
DEPTH	TEMP	
5	141	138
10	173	170
15	180	175
20	187	182
25	192	192

LEGEND

- ISTD HEATER WELL
- ISTD VAPOR EXTRACTION WELL (VEW)
- ISTD TEMPERATURE MONITORING POINT
- ISTD PRESSURE MONITORING POINT

TEMPERATURES IN DEGREES F

REVISIONS						
REV	DATE	BY	CHK	ENG	DESCRIPTION	APPROVED
A	10/17/08	PT	KP	JPG	ISSUED FOR REVIEW	

TERRATHERM INC.

DUNN FIELD DEFENSE DEPOT – MEMPHIS, TN

ISTD TEMPERATURE RECORD; AREA TA-1A,B,C,D&E

SIZE	FILE NO.	DWG NO.	REV
D	TEMP REC	TEMP REC 11-9 / 11-16-08	A

SCALE AS SHOWN DWG SHEET 3 OF 3

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10001618

TRANSFORMER T2

TA-2

T-38		
DEPTH	TEMP	
5	175	170
10	187	182
15	194	189
20	200	195
25	198	193
30	195	190

T-36		
DEPTH	TEMP	
5	161	156
10	189	184
15	195	190
20	198	193
25	199	194
30	195	190

T-41		
DEPTH	TEMP	
5	190	185
10	195	190
15	190	185
20	200	195
25	196	189
30	190	185

T-44		
DEPTH	TEMP	
5	116	111
10	190	185
15	195	190
20	193	188
25	192	188
30	185	178

T-40		
DEPTH	TEMP	
5	141	136
10	173	170
15	180	175
20	187	182
25	197	192
30	194	189

T-45		
DEPTH	TEMP	
5	140	135
10	171	166
15	174	169
20	183	178
25	178	173
30	180	175

T-32		
DEPTH	TEMP	
5	170	165
10	185	180
15	186	181
20	189	184
25	190	185
30	190	185

T-42		
DEPTH	TEMP	
5	155	150
10	190	185
15	196	191
20	180	175
25	184	179
30	180	175

T-33		
DEPTH	TEMP	
5	135	129
10	156	150
15	179	174
20	194	189
25	201	198
30	198	193

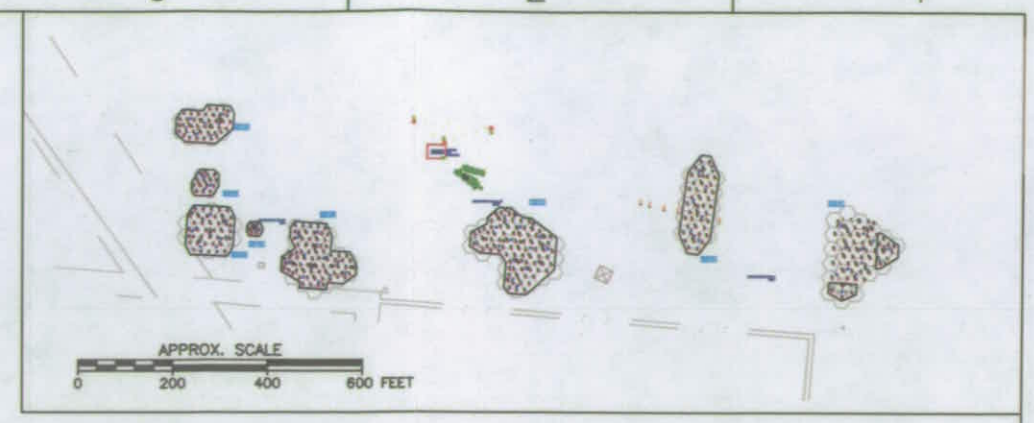
T-37		
DEPTH	TEMP	
5	151	146
10	185	179
15	191	186
20	183	178
25	196	191
30	189	184

T-43		
DEPTH	TEMP	
5	163	158
10	190	185
15	192	187
20	193	188
25	187	182
30	178	173

T-34		
DEPTH	TEMP	
5	166	161
10	189	184
15	198	193
20	202	197
25	205	200
30	194	189

T-39		
DEPTH	TEMP	
5	148	143
10	185	180
15	194	189
20	199	194
25	197	192
30	198	193

T-35		
DEPTH	TEMP	
5	152	147
10	189	184
15	196	191
20	198	193
25	201	196
30	194	189



LEGEND

- ISTD HEATER WELL
- ISTD VAPOR EXTRACTION WELL (VEW)
- (T) ISTD TEMPERATURE MONITORING POINT
- (P) ISTD PRESSURE MONITORING POINT

TEMPERATURES IN DEGREES F

REV	DATE	BY	CHK	ENG	DESCRIPTION	APPROVED
A	10/17/08	PT	KP	JPG	ISSUED FOR REVIEW	

TERRATHERM INC.

DUNN FIELD DEFENSE DEPOT – MEMPHIS, TN

ISTD TEMPERATURE RECORD; AREA TA-2

SIZE	FILE NO.	DWG NO.	REV
D	TEMP REC	TEMP REC 11-9 / 11-16-08	A

SCALE AS SHOWN DWG SHEET 3 OF 3

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10001619

T-46		
DEPTH	TEMP	
5	142	138
10	182	178
15	200	196
20	199	195
25	190	186
30	183	179

T-47		
DEPTH	TEMP	
5	146	142
10	180	177
15	192	188
20	192	189
25	190	187
30	184	180

T-48		
DEPTH	TEMP	
5	153	149
10	185	181
15	193	189
20	199	195
25	205	201
30	205	201

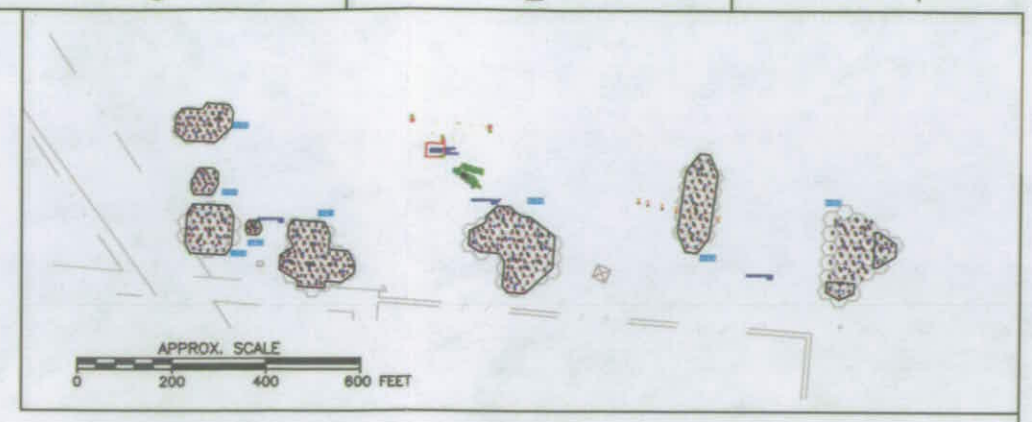
T-49		
DEPTH	TEMP	
5	135	131
10	180	176
15	195	191
20	197	193
25	187	182
30	175	171

T-50		
DEPTH	TEMP	
5	144	140
10	187	183
15	200	196
20	201	197
25	198	194
30	188	184

T-51		
DEPTH	TEMP	
5	179	176
10	189	185
15	192	188
20	201	197
25	196	194
30	185	182

TA-3

TRANSFORMER T3



T-52		
DEPTH	TEMP	
5	145	147
10	176	178
15	204	206
20	210	212
25	209	211
30	167	169

T-54		
DEPTH	TEMP	
5	158	160
10	199	201
15	207	209
20	209	211
25	210	212
30	191	193

T-56		
DEPTH	TEMP	
5	182	184
10	210	212
15	212	214
20	212	214
25	209	211
30	200	202

T-53		
DEPTH	TEMP	
5	181	183
10	211	213
15	211	211
20	211	213
25	210	212
30	198	200

T-55		
DEPTH	TEMP	
5	178	180
10	212	214
15	210	210
20	212	211
25	211	213
30	196	198

TA-4

T-58		
DEPTH	TEMP	
5	167	169
10	207	209
15	211	213
20	210	212
25	203	205
30	184	186

T-61		
DEPTH	TEMP	
5	178	180
10	211	213
15	212	214
20	212	214
25	206	208
30	198	200

T-59		
DEPTH	TEMP	
5	163	165
10	196	198
15	202	204
20	203	205
25	188	190
30	178	180

T-63		
DEPTH	TEMP	
5	198	200
10	213	211
15	215	217
20	215	214
25	210	212
30	201	203

T-62		
DEPTH	TEMP	
5	199	201
10	211	213
15	212	214
20	213	215
25	209	211
30	199	201

T-60		
DEPTH	TEMP	
5	187	189
10	205	207
15	206	208
20	213	214
25	209	211
30	194	196

T-57		
DEPTH	TEMP	
5	156	158
10	187	189
15	212	212
20	214	211
25	214	214
30	212	214

LEGEND

- ISTD HEATER WELL
- ISTD VAPOR EXTRACTION WELL (VEW)
- (T) ISTD TEMPERATURE MONITORING POINT
- (P) ISTD PRESSURE MONITORING POINT

TEMPERATURES IN DEGREES F

REVISIONS						
REV	DATE	BY	CHK	ENG	DESCRIPTION	APPROVED
A	10/17/08	PT	KP	JPG	ISSUED FOR REVIEW	

TERRATHERM INC.

DUNN FIELD DEFENSE DEPOT – MEMPHIS, TN

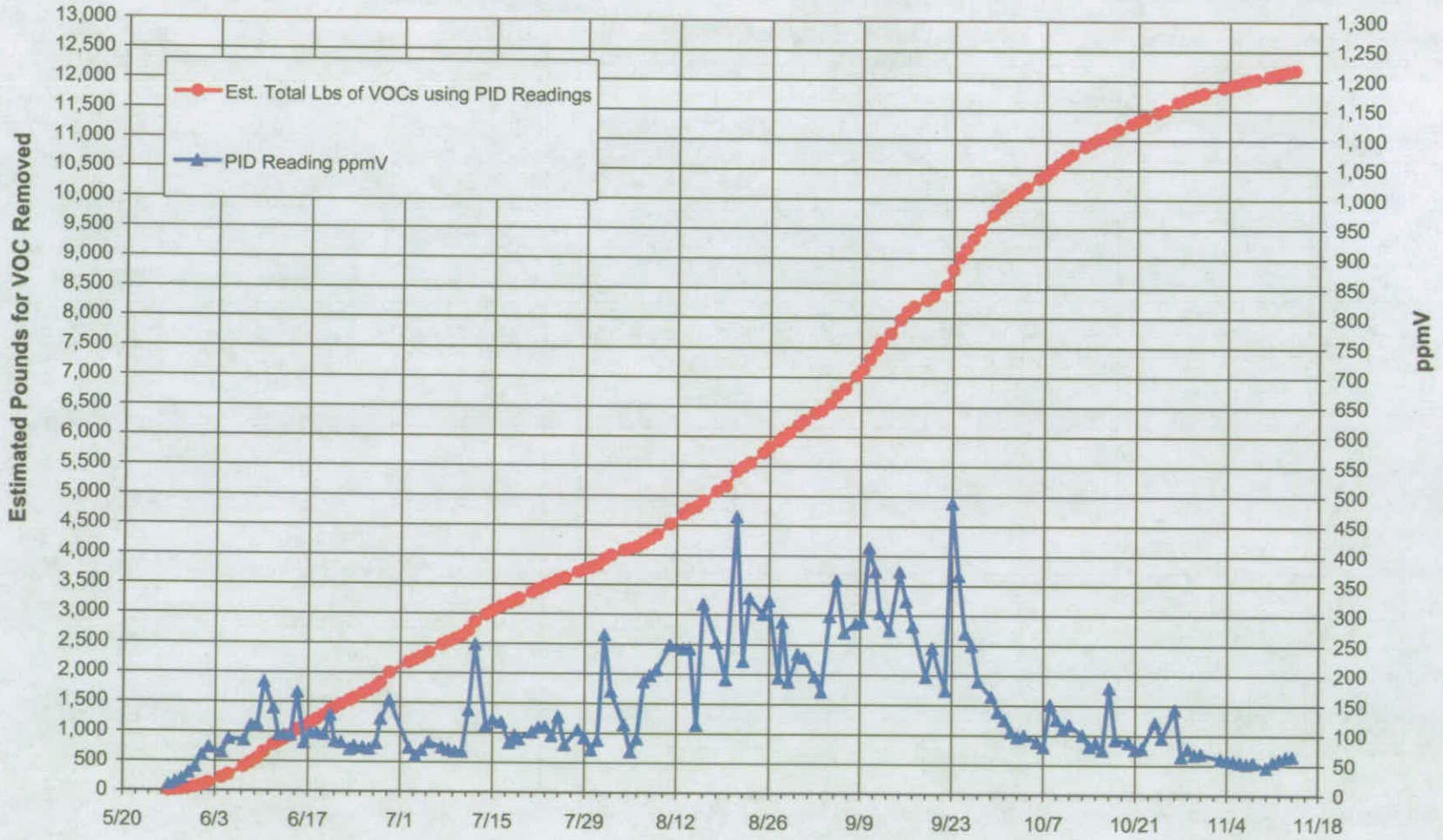
ISTD TEMPERATURE RECORD; AREA TA-3 & 4

SIZE	FILE NO.	DWG NO.	REV
D	TEMP REC	TEMP REC 11-9 / 11-16-08	A

SCALE AS SHOWN ENG SHEET 3 OF 3

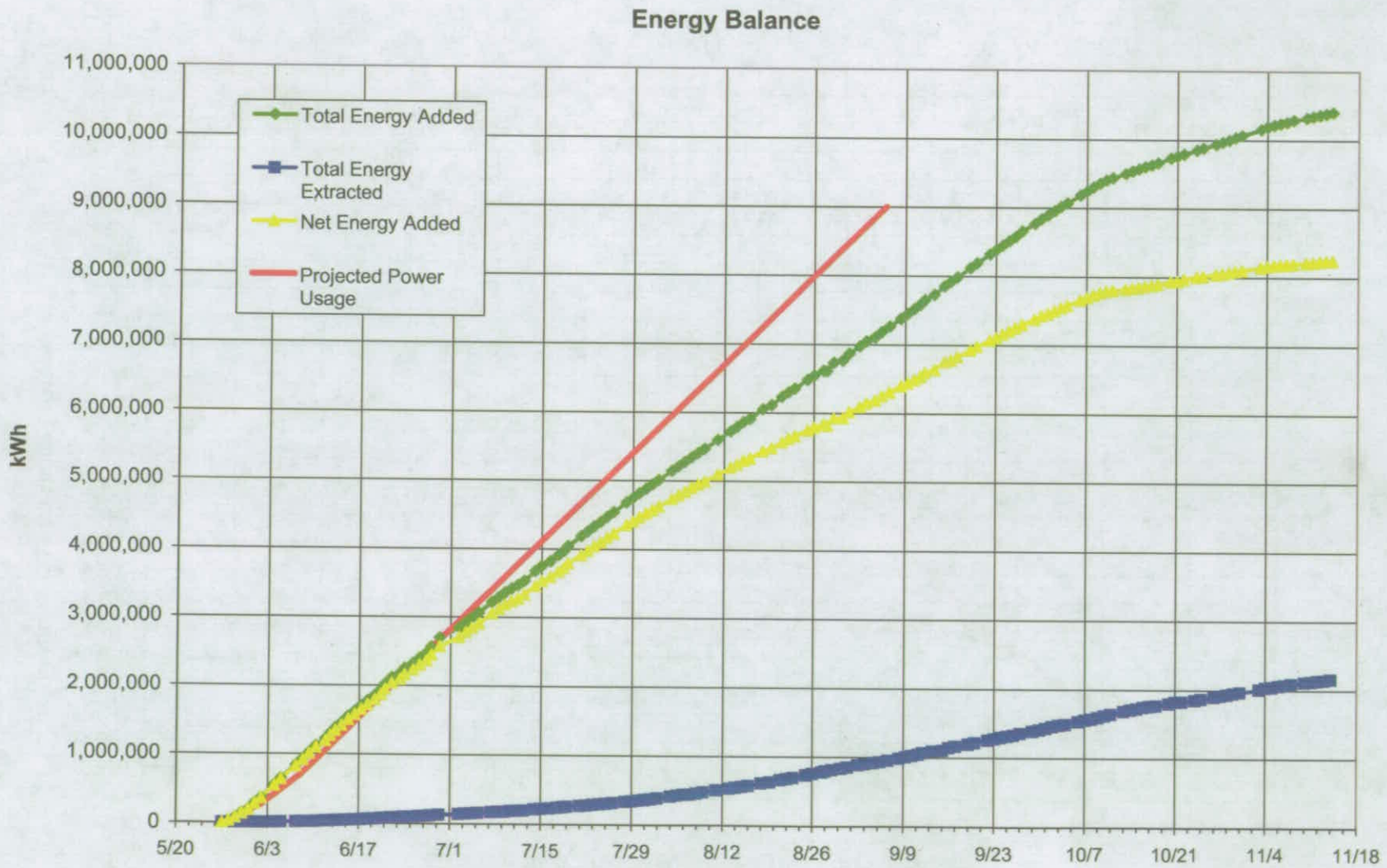
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Estimated Mass Removed in Vapor Stream



10001620

T29100621


Energy Balance
kWh
11,000,000
10,000,000
9,000,000
8,000,000
7,000,000
6,000,000
5,000,000
4,000,000
3,000,000
2,000,000
1,000,000
0
5/20
6/3
6/17
7/1
7/15
7/29
8/12
8/26
9/9
9/23
10/7
10/21
11/4
11/18
Total Energy Added
Total Energy Extracted
Net Energy Added
Projected Power Usage

Progress Report
Dunn Field
Defense Depot Memphis, Tennessee
Thermally Enhanced SVE

Report Date 11/10/08

Covering Period of Work Performed From: 11/03/08 through 11/09/08

Treatment Summary

The system has been in operation for 167 days.

Temperature maps are attached. The maps show temperatures in two columns. The column on the left represents the temperature reported on November 2, 2008. The column on the right depicts the temperature recorded on November 9, 2008.

The following tables provide a summary display of depth average temperature status in each of the Treatment areas.

Area 1A

Temp Sensor Depth (ft)	No. of sensors	Avg. temp (deg C)	Avg. temp (deg f)
5	7	77	171
10	7	86	187
15	7	87	189
20	7	86	187

Area 1B

Temp Sensor Depth (ft)	No. of sensors	Avg. temp (deg C)	Avg. temp (deg f)
5	3	69	156
10	3	84	182
15	3	87	188
20	3	89	192
25	3	89	192
30	3	86	187

Area 1C

Temp Sensor Depth (ft)	No. of sensors	Avg. temp (deg C)	Avg. temp (deg f)
5	8	72	162
10	8	93	200
15	8	99	210
20	8	100	212
25	8	100	211
030	8	99	211

Area 1D

Temp Sensor Depth (ft)	No. of sensors	Avg. temp (deg C)	Avg. temp (deg f)
5	1	47	117
10	1	65	149
15	1	73	164
20	1	73	164
25	1	75	167
30	1	69	157

Area 1E

Temp Sensor Depth (ft)	No. of sensors	Avg. temp (deg C)	Avg. temp (deg f)
5	12	89	191
10	12	99	211
15	12	100	212
20	12	100	212
25	12	99	210
30	12	94	201

Area 2

Temp Sensor Depth (ft)	No. of sensors	Avg. temp (deg C)	Avg. temp (deg f)
5	14	68	155
10	14	84	184
15	14	88	190
20	14	89	193
25	14	90	194
30	14	88	190

Area 3

Temp Sensor Depth (ft)	No. of sensors	Avg. temp (deg C)	Avg. temp (deg f)
5	6	65	150
10	6	84	184
15	6	91	195
20	6	92	198
25	6	90	194
30	6	86	187

Area 4

Temp Sensor Depth (ft)	No. of sensors	Avg. temp (deg C)	Avg. temp (deg f)
5	12	79	174
10	12	95	203
15	12	99	210
20	12	100	211
25	12	97	207
30	12	90	193

Average power injected into the soil last week was approximately 1323 kW. We have added a total of 10,286,010 kWh of energy to the soil to date.

The estimated mass removed was increased by 209 pounds last week. Total estimate removed is approximately 12,030 pounds to date. The vapor extraction rate has been averaging approximately 700 SCFM and PID readings have been averaging ~ 56 ppmv.

Operations

Heater circuits in area TA-1C, and TA-4 continue to run at maximum capacity. Vacuum extraction system is operational in TA-1C, TA-1E and TA-4 only. The heaters were de-energized in TA-1E on November 6, 2008.

Updated depth average temperature charts are attached.

11/10/08 and Going Forward

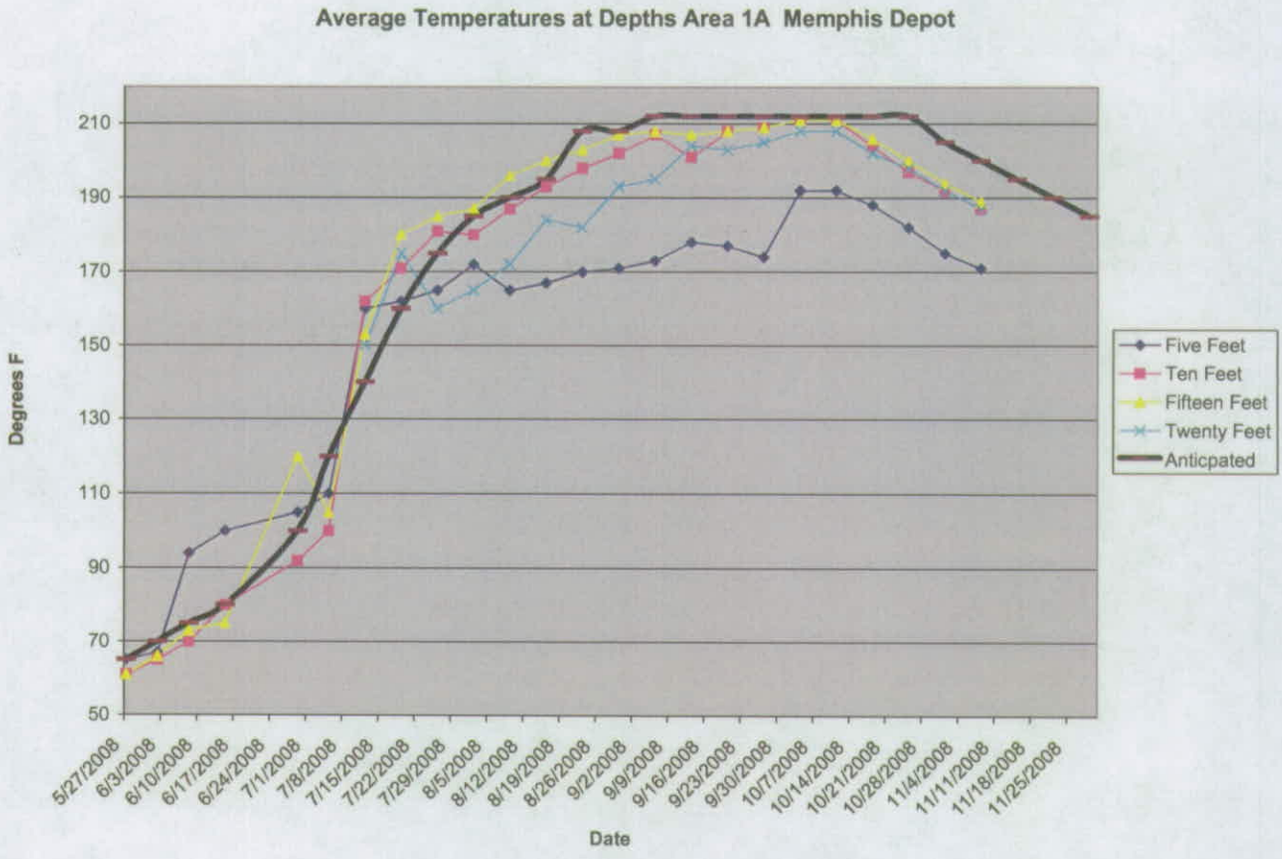
TerraTherm will maintain a presence on site through the duration of the project.

Heating operations will continue in TA-1C and TA-4 until at least 11/14/08.

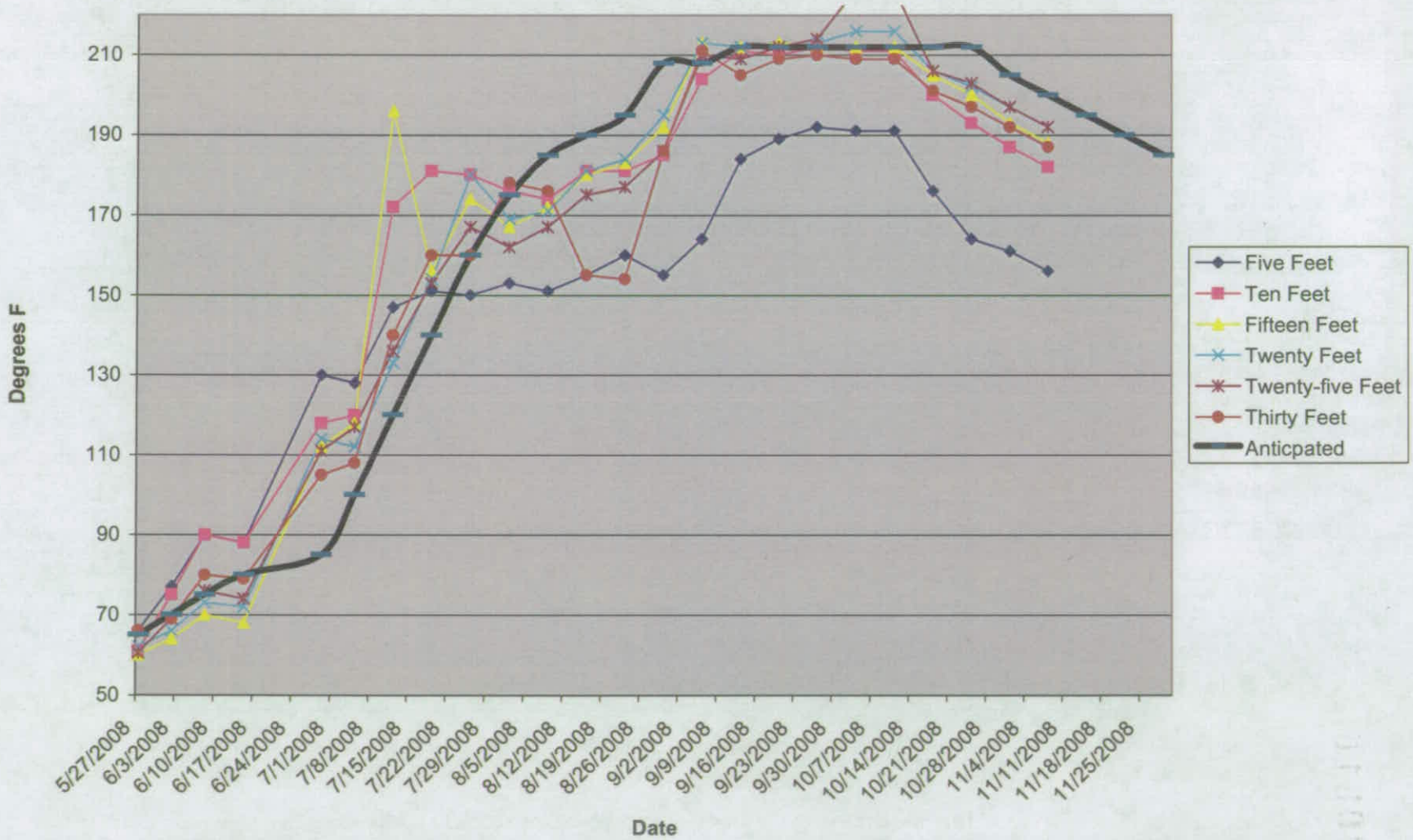
A soil sampling event will be scheduled for the few remaining recalcitrant sample locations.

TerraTherm will begin demobilization of its operations equipment from all treatment areas that have been de-energized starting the week of 11/10/08.

10001625


Average Temperatures at Depths Area 1A Memphis Depot
Degrees F
210
190
170
150
130
110
90
70
50
5/27/2008
6/3/2008
6/10/2008
6/17/2008
6/24/2008
7/1/2008
7/8/2008
7/15/2008
7/22/2008
7/29/2008
8/5/2008
8/12/2008
8/19/2008
8/26/2008
9/2/2008
9/9/2008
9/16/2008
9/23/2008
9/30/2008
10/7/2008
10/14/2008
10/21/2008
10/28/2008
11/4/2008
11/11/2008
11/18/2008
11/25/2008
Date
Five Feet
Ten Feet
Fifteen Feet
Twenty Feet
Anticpated

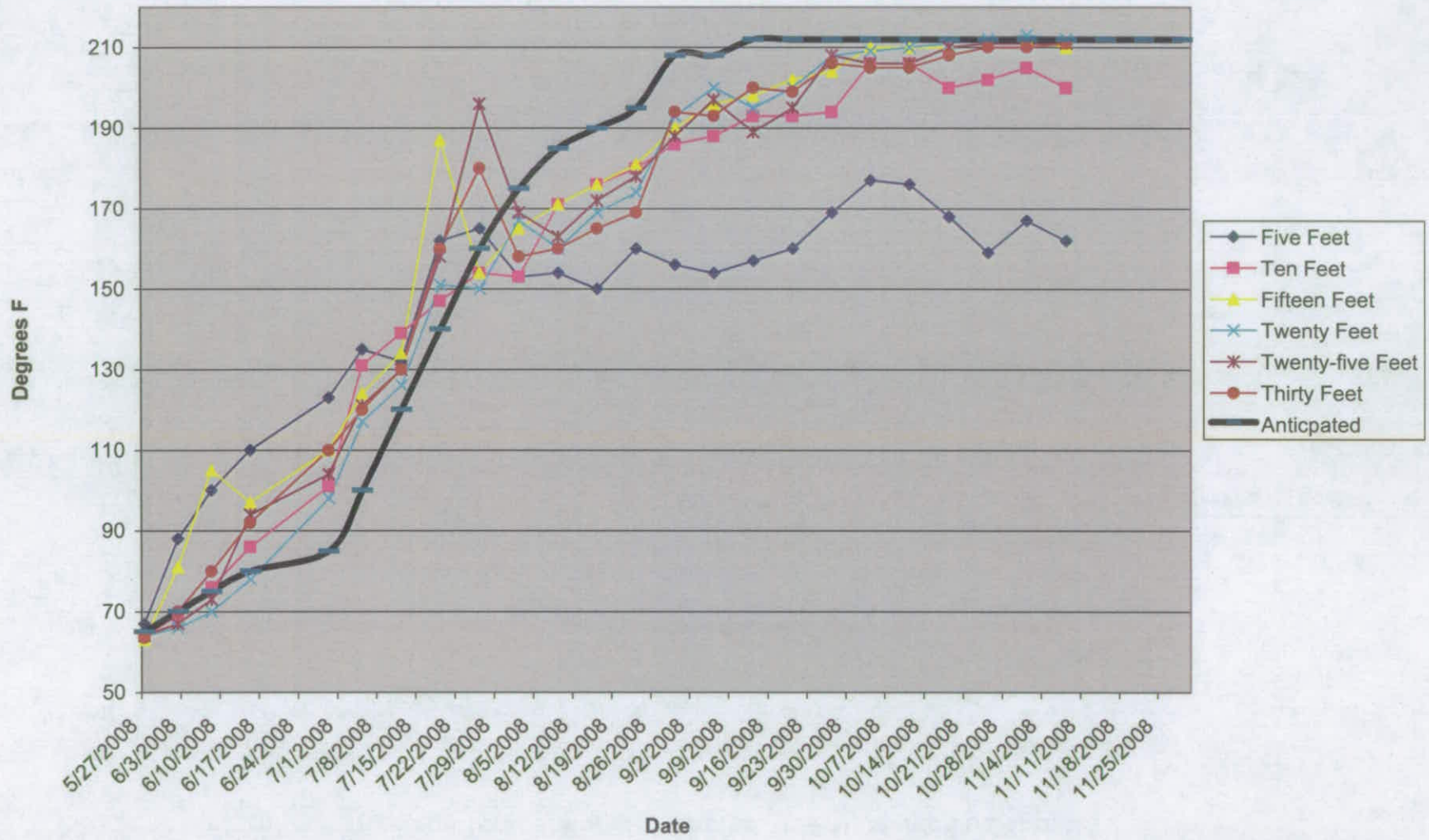
Average Temperatures at Depths Area 1B Memphis Depot



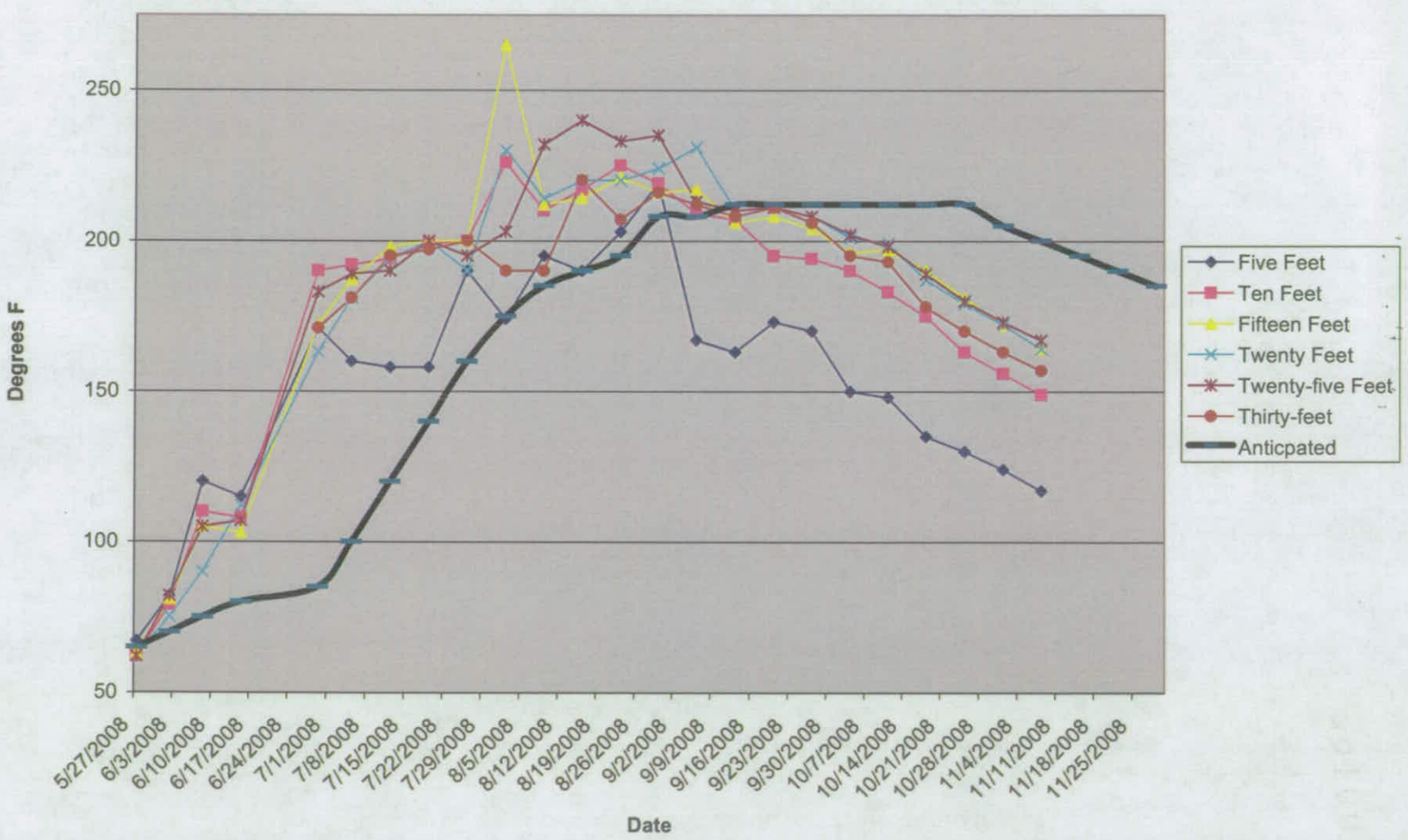
10001626

10001627

Average Temperatures at Depths Area 1C Memphis Depot



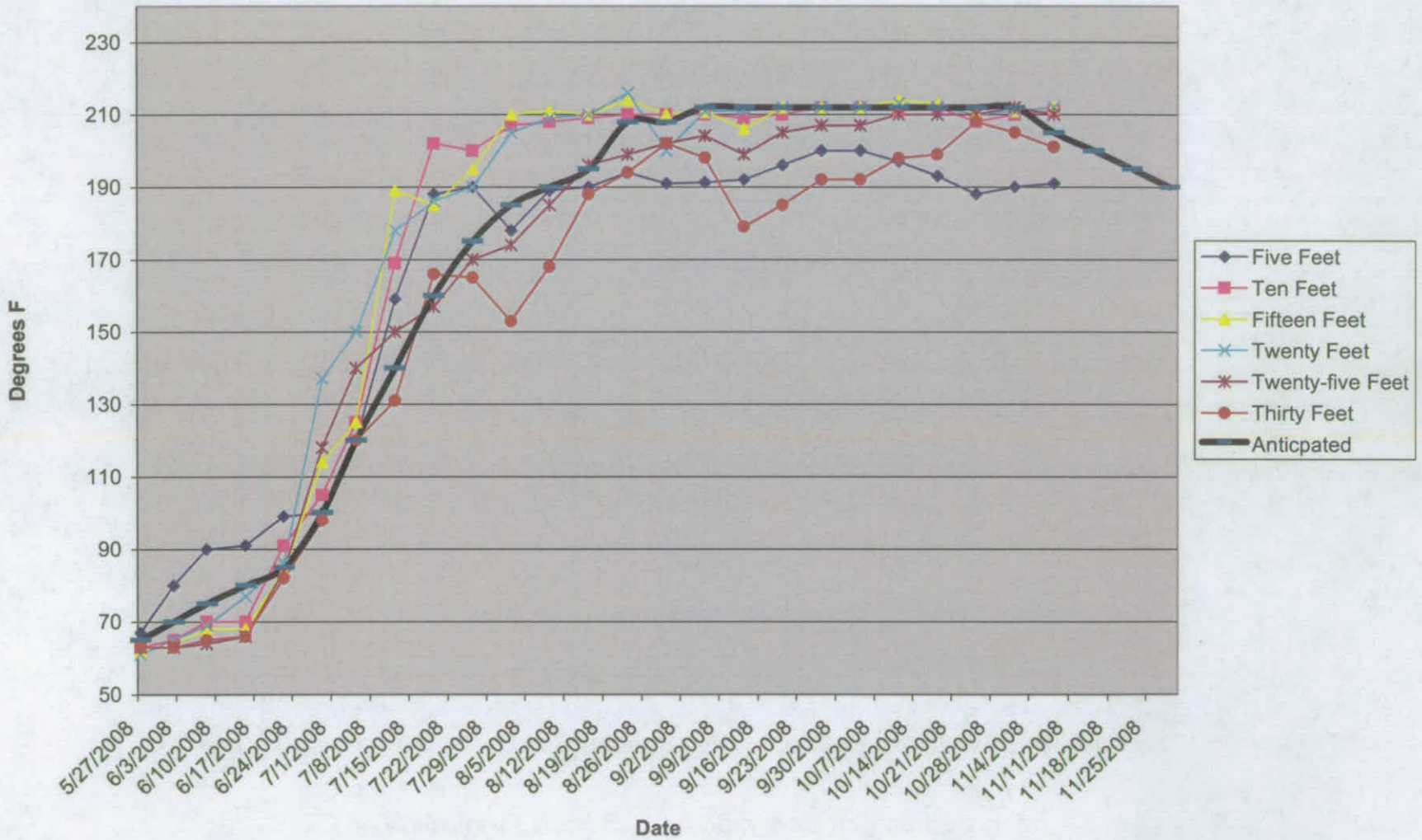
Average Temperatures at Depths Area 1D Memphis Depot



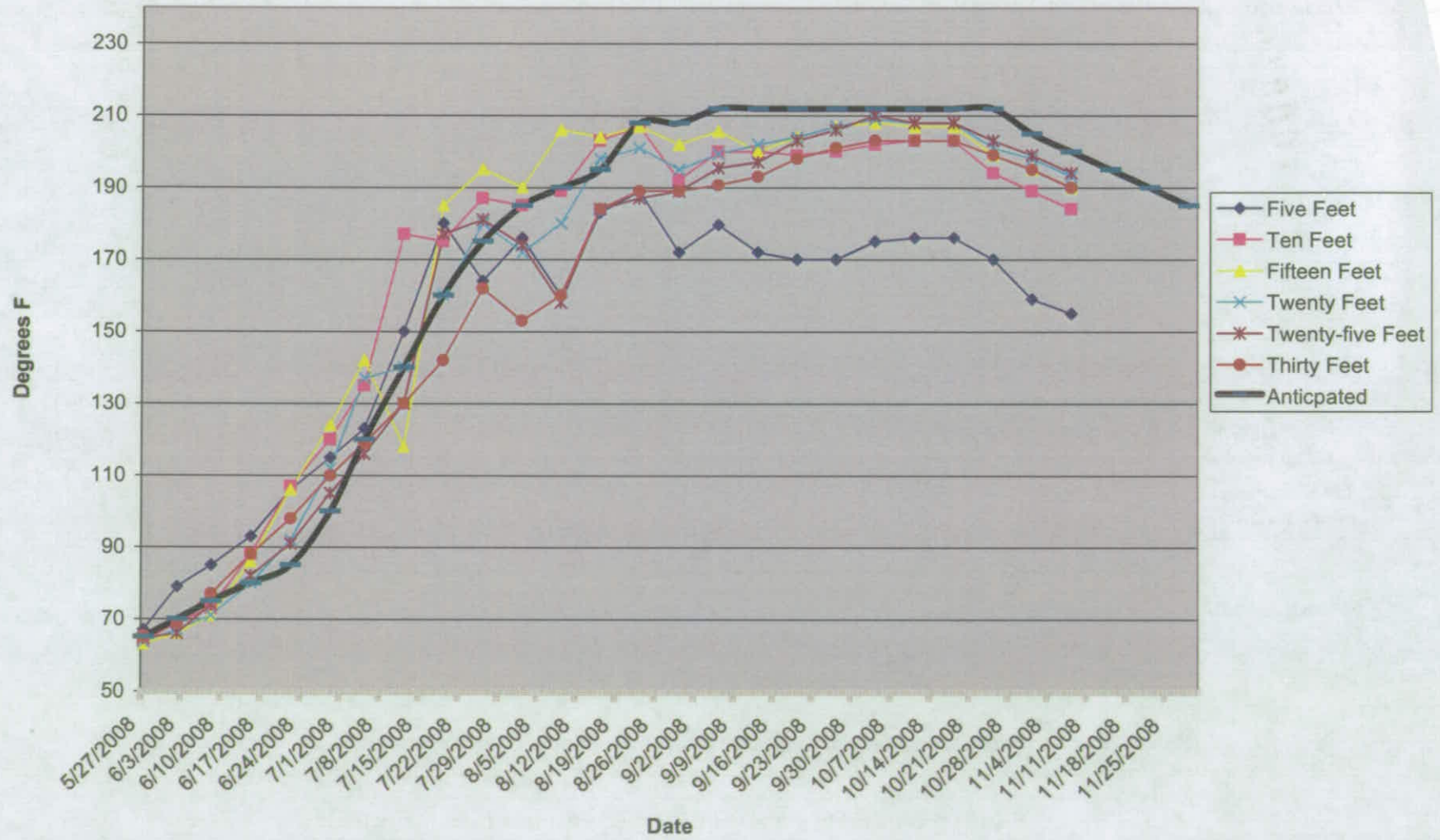
10001628

10001629

Average Temperatures at Depths Area 1E Memphis Depot



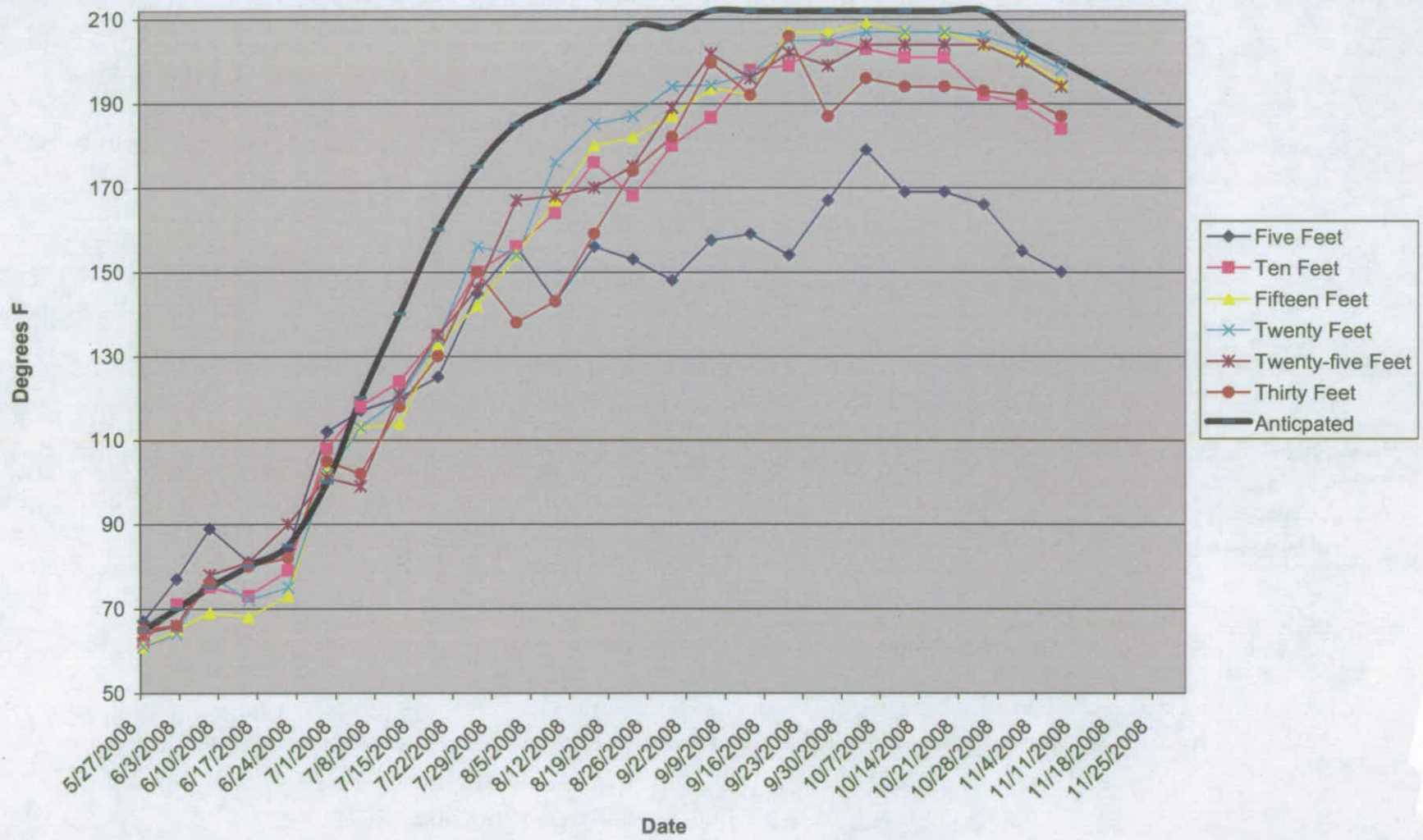
Average Temperatures at Depths Area 2 Memphis Depot

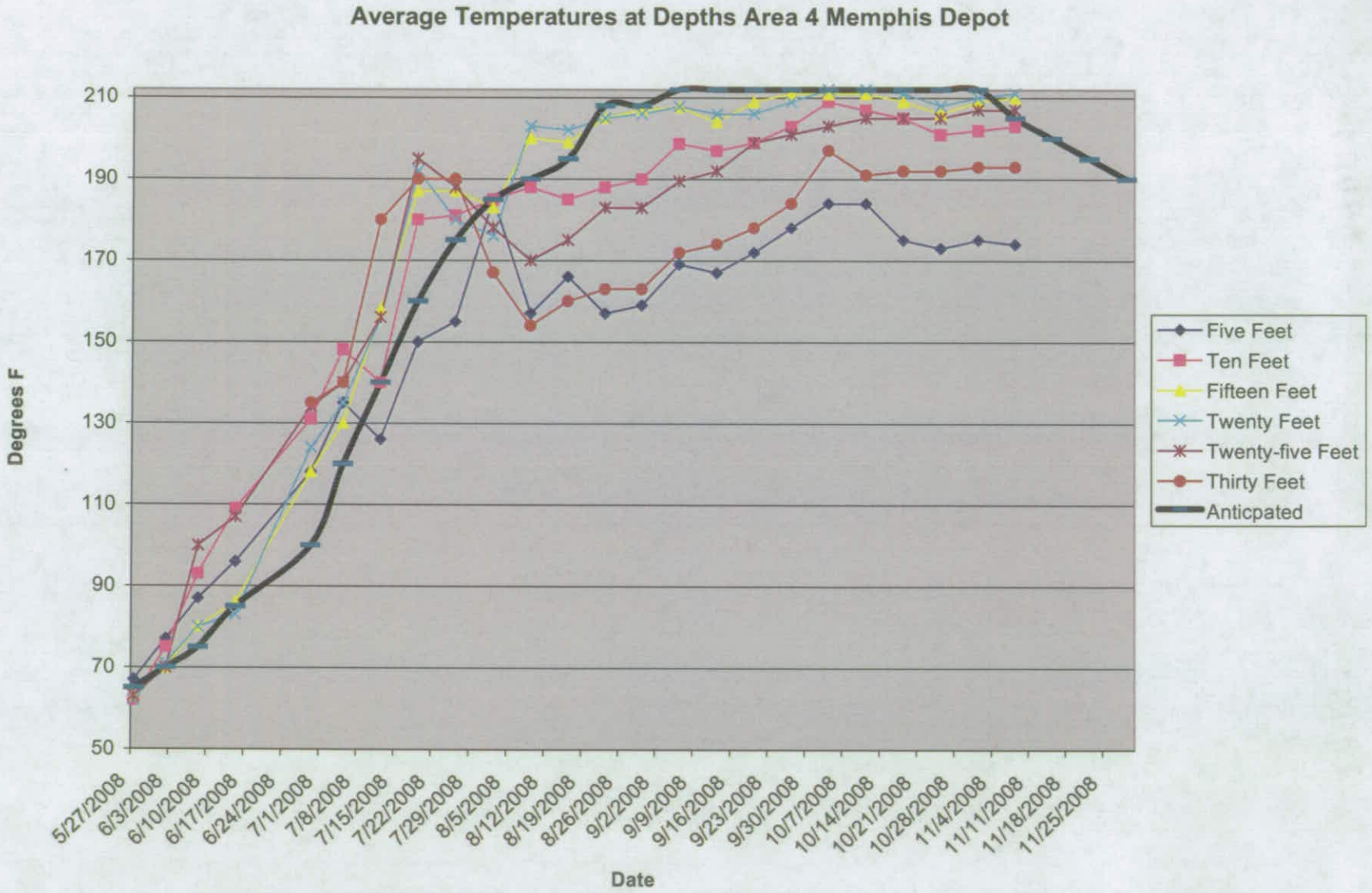


10001630

10001631

Average Temperatures at Depths Area 3 Memphis Depot




Average Temperatures at Depths Area 4 Memphis Depot
Degrees F
210
190
170
150
130
110
90
70
50
5/27/2008
6/3/2008
6/10/2008
6/17/2008
6/24/2008
7/1/2008
7/8/2008
7/15/2008
7/22/2008
7/29/2008
8/5/2008
8/12/2008
8/19/2008
8/26/2008
9/2/2008
9/9/2008
9/16/2008
9/23/2008
9/30/2008
10/7/2008
10/14/2008
10/21/2008
10/28/2008
11/4/2008
11/11/2008
11/18/2008
11/25/2008
Date
Five Feet
Ten Feet
Fifteen Feet
Twenty Feet
Twenty-five Feet
Thirty Feet
Anticpated

10001632

10001633

T-1		
DEPTH	TEMP	
5	162	157
10	185	180
15	192	187
20	195	190

T-2		
DEPTH	TEMP	
5	156	151
10	192	187
15	192	187
20	190	185

T-3		
DEPTH	TEMP	
5	174	170
10	192	187
15	196	192
20	195	190

T-4		
DEPTH	TEMP	
5	191	186
10	188	183
15	197	192
20	192	187

T-5		
DEPTH	TEMP	
5	195	190
10	197	192
15	201	196
20	195	190

T-6		
DEPTH	TEMP	
5	180	175
10	193	188
15	191	185
20	190	185

T-7		
DEPTH	TEMP	
5	168	165
10	195	190
15	189	184
20	186	181

TA-1A

T-8		
DEPTH	TEMP	
5	135	130
10	185	180
15	186	181
20	195	190
25	192	187
30	188	183

T-9		
DEPTH	TEMP	
5	167	162
10	189	184
15	195	190
20	194	189
25	195	190
30	192	187

T-10		
DEPTH	TEMP	
5	181	176
10	188	183
15	198	193
20	202	197
25	203	198
30	195	190

TA-1B

T-11		
DEPTH	TEMP	
5	108	108
10	205	205
15	212	212
20	214	214
25	214	214
30	214	214

T-12		
DEPTH	TEMP	
5	178	187
10	210	208
15	213	213
20	214	214
25	212	212
30	213	213

T-13		
DEPTH	TEMP	
5	150	157
10	201	195
15	212	212
20	214	214
25	209	209
30	204	208

T-14		
DEPTH	TEMP	
5	181	146
10	202	185
15	210	200
20	210	206
25	210	210
30	210	210

T-15		
DEPTH	TEMP	
5	162	162
10	201	193
15	213	213
20	213	213
25	209	212
30	210	211

TA-1C

T-16		
DEPTH	TEMP	
5	190	188
10	211	205
15	213	208
20	214	210
25	211	210
30	207	206

T-17		
DEPTH	TEMP	
5	180	185
10	207	210
15	212	212
20	213	213
25	211	211
30	212	209

T-18		
DEPTH	TEMP	
5	188	159
10	200	200
15	210	206
20	213	213
25	213	213
30	213	213

T-19		
DEPTH	TEMP	
5	122	117
10	155	149
15	169	164
20	168	164
25	172	167
30	162	157

TRANSFORMER T1

TA-1D

T-20		
DEPTH	TEMP	
5	186	187
10	200	201
15	209	210
20	209	210
25	206	207
30	197	198

T-21		
DEPTH	TEMP	
5	187	186
10	205	206
15	210	211
20	208	209
25	208	209
30	195	196

T-22		
DEPTH	TEMP	
5	195	196
10	211	212
15	213	214
20	212	213
25	211	212
30	190	191

T-23		
DEPTH	TEMP	
5	212	213
10	214	213
15	212	213
20	212	213
25	212	213
30	210	211

T-24		
DEPTH	TEMP	
5	193	194
10	211	212
15	212	213
20	209	210
25	207	208
30	191	192

T-25		
DEPTH	TEMP	
5	182	183
10	211	212
15	212	213
20	212	213
25	211	212
30	209	210

T-26		
DEPTH	TEMP	
5	172	172
10	212	213
15	210	213
20	210	211
25	210	210
30	201	202

T-27		
DEPTH	TEMP	
5	190	192
10	211	212
15	213	214
20	212	213
25	210	211
30	200	201

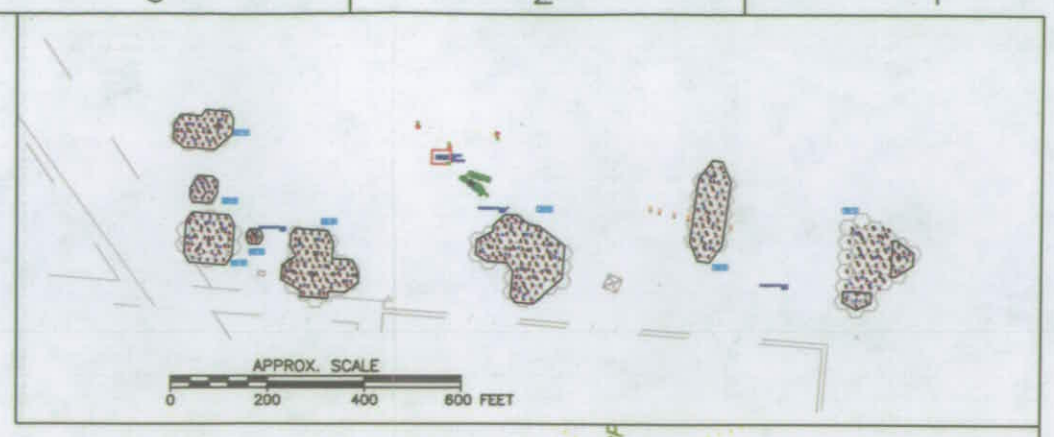
T-28		
DEPTH	TEMP	
5	210	213
10	212	213
15	210	211
20	213	214
25	211	212
30	210	211

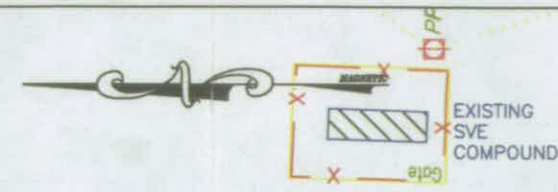
T-29		
DEPTH	TEMP	
5	165	166
10	211	212
15	210	211
20	212	213
25	195	196
30	173	174

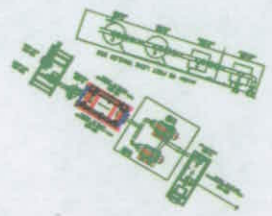
TA-1E

T-30		
DEPTH	TEMP	
5	205	206
10	211	212
15	212	213
20	211	212
25	212	213
30	209	210

T-31		
DEPTH	TEMP	
5	183	186
10	211	212
15	210	211
20	212	213
25	212	213
30	209	210







TRANSFORMER T2

T-36		
DEPTH	TEMP	
5	166	161
10	194	189
15	200	195
20	203	198
25	204	199
30	200	195

T-40		
DEPTH	TEMP	
5	146	141
10	178	173
15	185	180
20	192	187
25	202	197

LEGEND

- ISTD HEATER WELL
- ISTD VAPOR EXTRACTION WELL (VEW)
- ISTD TEMPERATURE MONITORING POINT
- ISTD PRESSURE MONITORING POINT

TEMPERATURES IN DEGREES F

REVISIONS						
REV	DATE	BY	CHK	ENG	DESCRIPTION	APPROVED
A	11/10/08	PT	KP	JPG	ISSUED FOR REVIEW	

TERRATHERM INC.

DUNN FIELD DEFENSE DEPOT- MEMPHIS, TN

TEMPERATURE RECORD AREAS TA-1A,B,C,D&E

SIZE	FILE NO.	DWG NO.	REV
D	TEMP REC	TEMP REC 11-2 / 11-9-08	A

SCALE AS SHOWN DWG SHEET 1 OF 3

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10001634

TRANSFORMER T2

TA-2

T-38		
DEPTH	TEMP	
5	180	175
10	192	187
15	199	194
20	205	200
25	203	198
30	200	195

T-36		
DEPTH	TEMP	
5	166	161
10	194	189
15	200	195
20	203	198
25	204	199
30	200	195

T-41		
DEPTH	TEMP	
5	195	190
10	200	195
15	195	190
20	205	200
25	201	196
30	197	190

T-40		
DEPTH	TEMP	
5	146	141
10	178	173
15	185	180
20	192	187
25	202	197
30	199	194

T-44		
DEPTH	TEMP	
5	121	116
10	195	190
15	201	195
20	198	193
25	197	192
30	190	185

T-32		
DEPTH	TEMP	
5	175	170
10	190	185
15	191	186
20	194	189
25	195	190
30	195	190

T-45		
DEPTH	TEMP	
5	145	140
10	176	171
15	179	174
20	188	183
25	183	178
30	185	180

T-42		
DEPTH	TEMP	
5	160	155
10	195	190
15	201	196
20	185	180
25	189	184
30	185	180

T-33		
DEPTH	TEMP	
5	140	135
10	161	156
15	184	179
20	199	194
25	206	201
30	203	198

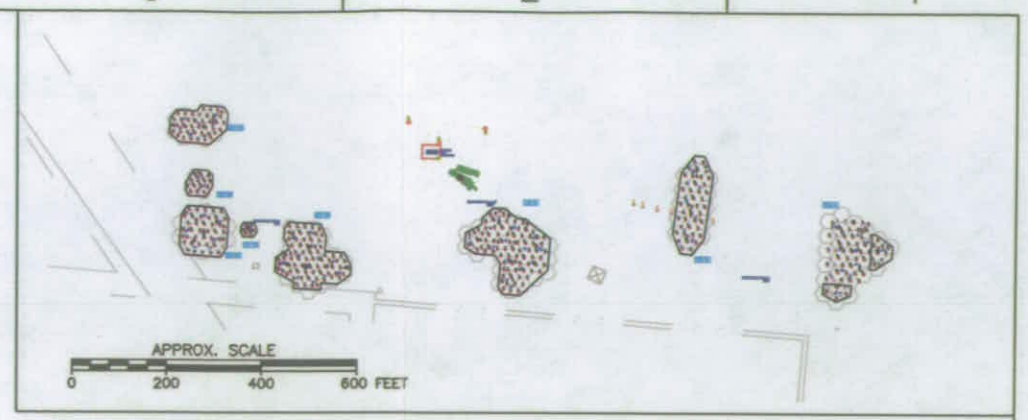
T-37		
DEPTH	TEMP	
5	156	151
10	190	185
15	196	191
20	187	183
25	201	196
30	194	189

T-43		
DEPTH	TEMP	
5	168	163
10	195	190
15	197	192
20	198	193
25	192	187
30	185	178

T-34		
DEPTH	TEMP	
5	171	166
10	194	189
15	203	198
20	207	202
25	210	205
30	199	194

T-39		
DEPTH	TEMP	
5	153	148
10	190	185
15	199	194
20	204	199
25	203	197
30	203	198

T-35		
DEPTH	TEMP	
5	154	152
10	194	189
15	200	196
20	203	198
25	206	201
30	199	194



LEGEND

- ISTD HEATER WELL
- ISTD VAPOR EXTRACTION WELL (VEW)
- ISTD TEMPERATURE MONITORING POINT
- ISTD PRESSURE MONITORING POINT

TEMPERATURES IN DEGREES F

REV	DATE	BY	CHK	ENG	DESCRIPTION	APPROVED
A	11/10/08	PT	KP	JPG	ISSUED FOR REVIEW	

TERRATHERM INC.

DUNN FIELD DEFENSE DEPOT – MEMPHIS,TN

ISTD TEMPERATURE RECORD; AREA TA-2

SIZE	FILE NO.	DWG NO.	REV
D	TEMP REC	TEMP REC 11-2 / 11-9-08	A

SCALE AS SHOWN | DNS | SHEET 2 OF 3

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10001635

T-46		
DEPTH	TEMP	
5	147	142
10	187	182
15	205	200
20	204	199
25	195	190
30	188	183

T-47		
DEPTH	TEMP	
5	151	148
10	187	180
15	198	192
20	197	192
25	195	190
30	189	184

T-48		
DEPTH	TEMP	
5	158	153
10	190	185
15	198	193
20	204	199
25	210	205
30	210	205

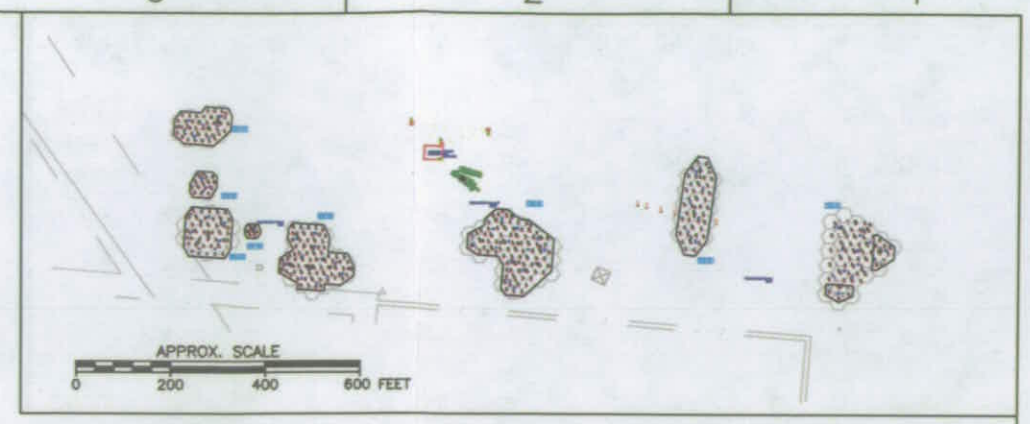
T-49		
DEPTH	TEMP	
5	140	135
10	185	180
15	200	195
20	202	197
25	192	187
30	180	175

T-50		
DEPTH	TEMP	
5	149	144
10	194	187
15	205	200
20	206	201
25	207	198
30	193	188

T-51		
DEPTH	TEMP	
5	184	179
10	194	189
15	197	192
20	208	201
25	201	196
30	190	185

TA-3

TRANSFORMER T3



TA-4

T-52		
DEPTH	TEMP	
5	142	145
10	172	176
15	202	204
20	208	210
25	207	209
30	165	167

T-54		
DEPTH	TEMP	
5	160	158
10	196	199
15	208	207
20	212	209
25	211	210
30	192	191

T-56		
DEPTH	TEMP	
5	180	182
10	208	210
15	210	212
20	210	212
25	207	209
30	198	200

T-53		
DEPTH	TEMP	
5	179	181
10	209	211
15	209	211
20	209	211
25	208	210
30	196	198

T-55		
DEPTH	TEMP	
5	176	178
10	210	212
15	208	210
20	210	212
25	209	211
30	194	196

T-58		
DEPTH	TEMP	
5	165	167
10	207	207
15	212	211
20	212	210
25	201	203
30	185	184

T-61		
DEPTH	TEMP	
5	187	178
10	211	211
15	213	212
20	213	212
25	209	206
30	198	198

T-59		
DEPTH	TEMP	
5	181	183
10	204	196
15	206	202
20	200	203
25	199	188
30	195	178

T-63		
DEPTH	TEMP	
5	196	198
10	211	213
15	213	215
20	213	215
25	208	210
30	199	201

T-62		
DEPTH	TEMP	
5	197	199
10	213	211
15	213	212
20	210	213
25	209	209
30	197	199

T-60		
DEPTH	TEMP	
5	185	187
10	203	205
15	204	206
20	211	213
25	207	209
30	192	194

T-57		
DEPTH	TEMP	
5	154	156
10	185	187
15	210	212
20	212	214
25	212	214
30	210	212

LEGEND

- ISTD HEATER WELL
- ISTD VAPOR EXTRACTION WELL (VEW)
- ISTD TEMPERATURE MONITORING POINT
- ISTD PRESSURE MONITORING POINT

TEMPERATURES IN DEGREES F

REVISIONS					
REV	DATE	BY	CHK	ENG	DESCRIPTION / APPROVED
A	11/10/08	PT	KP	JPG	ISSUED FOR REVIEW

TERRATHERM INC.

DUNN FIELD DEFENSE DEPOT – MEMPHIS, TN

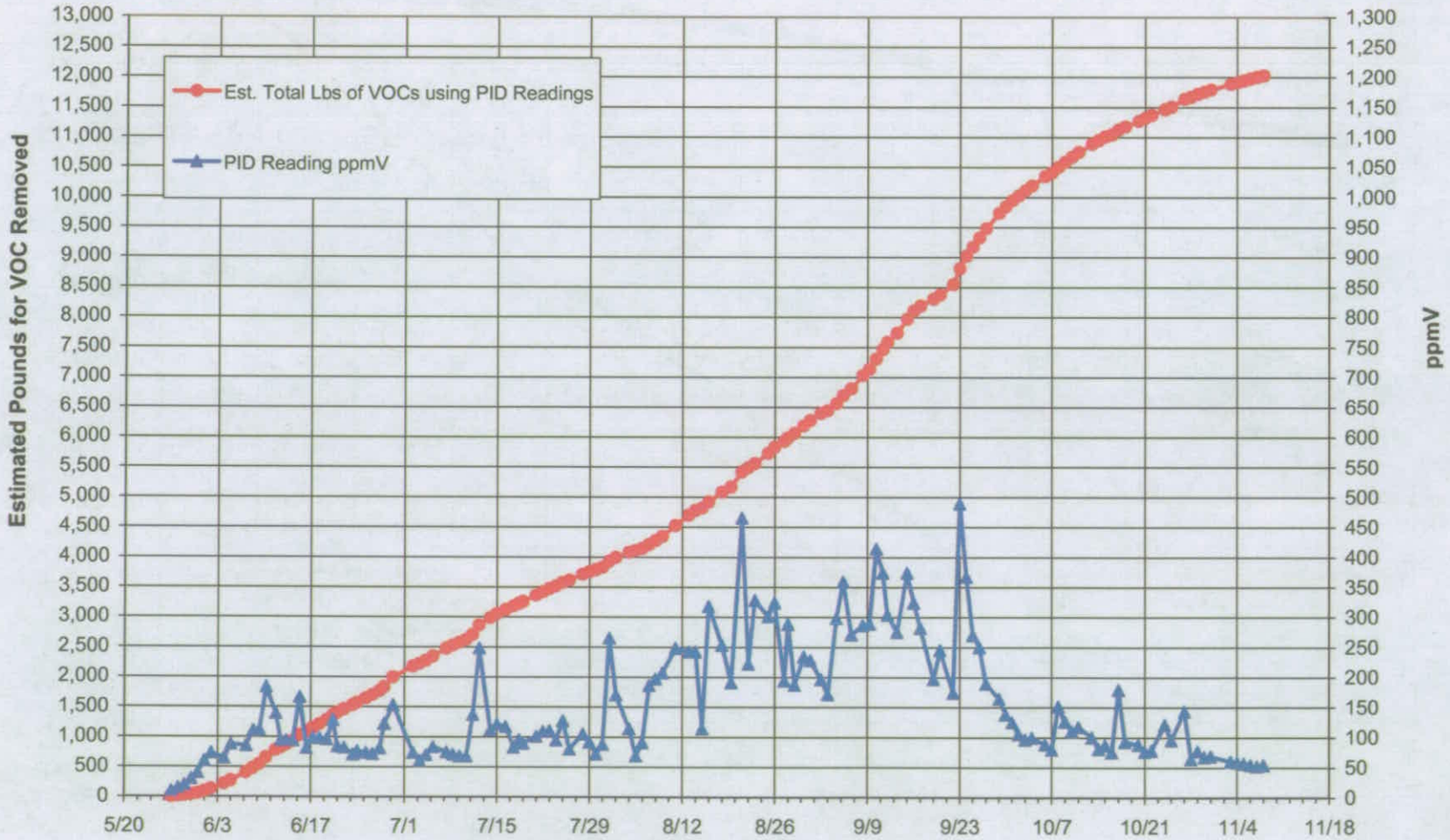
ISTD TEMPERATURE RECORD; AREAS TA-3 & 4

SIZE	FILE NO.	DWG NO.	REV
D	TEMP REC	TEMP REC 11-2 / 11-9-08	A

SCALE AS SHOWN DNS SHEET 3 OF 3

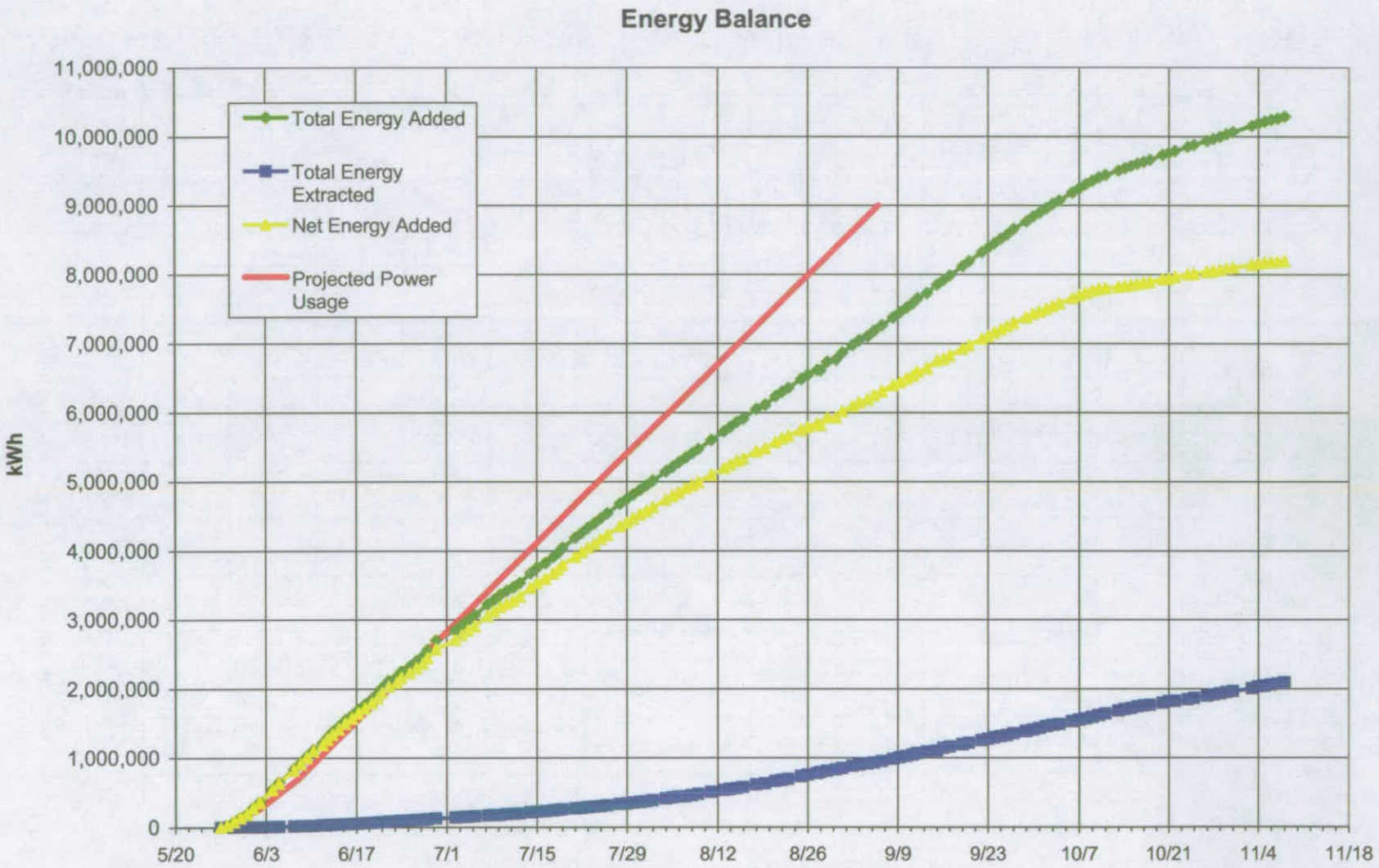
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Estimated Mass Removed in Vapor Stream



10001636

10001637


Energy Balance
kWh
11,000,000
10,000,000
9,000,000
8,000,000
7,000,000
6,000,000
5,000,000
4,000,000
3,000,000
2,000,000
1,000,000
0
5/20
6/3
6/17
7/1
7/15
7/29
8/12
8/26
9/9
9/23
10/7
10/21
11/4
11/18
Total Energy Added
Total Energy Extracted
Net Energy Added
Projected Power Usage

Progress Report
Dunn Field
Defense Depot Memphis, Tennessee
Thermally Enhanced SVE

Report Date 11/03/08

Covering Period of Work Performed From: 10/27/08 through 11/02/08

Treatment Summary

The system has been in operation for 160 days.

Temperature maps are attached. The maps show temperatures in two columns. The column on the left represents the temperature reported on October 26, 2008. The column on the right depicts the temperature recorded on November 2, 2008.

The following tables provide a summary display of depth average temperature status in each of the Treatment areas.

Area 1A

Temp Sensor Depth (ft)	No. of sensors	Avg. temp (deg C)	Avg. temp (deg f)
5	7	80	175
10	7	89	192
15	7	90	194
20	7	89	192

Area 1B

Temp Sensor Depth (ft)	No. of sensors	Avg. temp (deg C)	Avg. temp (deg f)
5	3	72	161
10	3	86	187
15	3	89	193
20	3	92	197
25	3	91	197
30	3	89	192

Area 1C

Temp Sensor Depth (ft)	No. of sensors	Avg. temp (deg C)	Avg. temp (deg f)
5	8	75	167
10	8	96	205
15	8	100	212
20	8	101	213
25	8	100	211
030	8	99	210

Area 1D

Temp Sensor Depth (ft)	No. of sensors	Avg. temp (deg C)	Avg. temp (deg f)
5	1	50	122
10	1	68	155
15	1	76	169
20	1	76	168
25	1	78	172
30	1	72	162

Area 1E

Temp Sensor Depth (ft)	No. of sensors	Avg. temp (deg C)	Avg. temp (deg f)
5	12	88	190
10	12	99	210
15	12	100	211
20	12	100	211
25	12	98	209
30	12	93	200

Area 2

Temp Sensor Depth (ft)	No. of sensors	Avg. temp (deg C)	Avg. temp (deg f)
5	14	71	159
10	14	87	189
15	14	91	195
20	14	92	198
25	14	93	199
30	14	91	195

Area 3

Temp Sensor Depth (ft)	No. of sensors	Avg. temp (deg C)	Avg. temp (deg f)
5	6	68	155
10	6	88	190
15	6	94	201
20	6	95	203
25	6	93	200
30	6	89	192

Area 4

Temp Sensor Depth (ft)	No. of sensors	Avg. temp (deg C)	Avg. temp (deg f)
5	12	80	175
10	12	95	202
15	12	98	209
20	12	99	210
25	12	97	207
30	12	90	193

Average power injected into the soil last week was approximately 1282 kW. We have added a total of 10,063,778 kWh of energy to the soil to date.

The estimated mass removed was increased by 330 pounds last week. Total estimate removed is approximately 11,795 pounds to date. The vapor extraction rate has been averaging approximately 750 SCFM and PID readings have been averaging ~ 82 ppmv.

Operations

Heater circuits in area TA-1C, TA-1E and TA-4 continue to run at maximum capacity. Vacuum extraction system is operational in all areas. Additional vacuum extraction points are operational TA-1C and TA-4.

The heaters have been de-energized and vacuum extraction only, or cool down has been in progress in TA-1D since September 19, 2008. The heaters have been de-energized and vacuum extraction only, or cool down has been in progress in TA-1A, TA-1B, TA-2 and TA-3 since October 9, 2008.

Updated depth average temperature charts are attached.

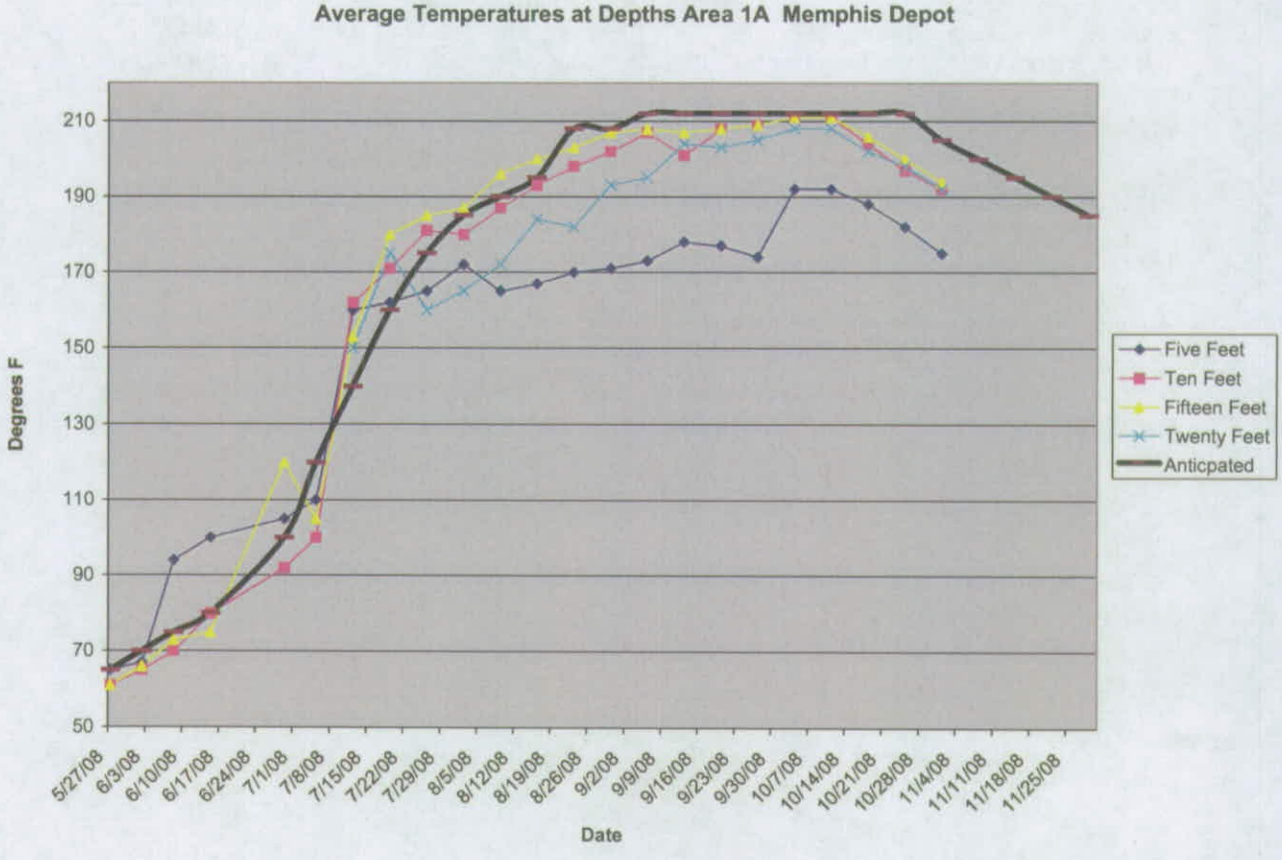
11/03/08 and Going Forward

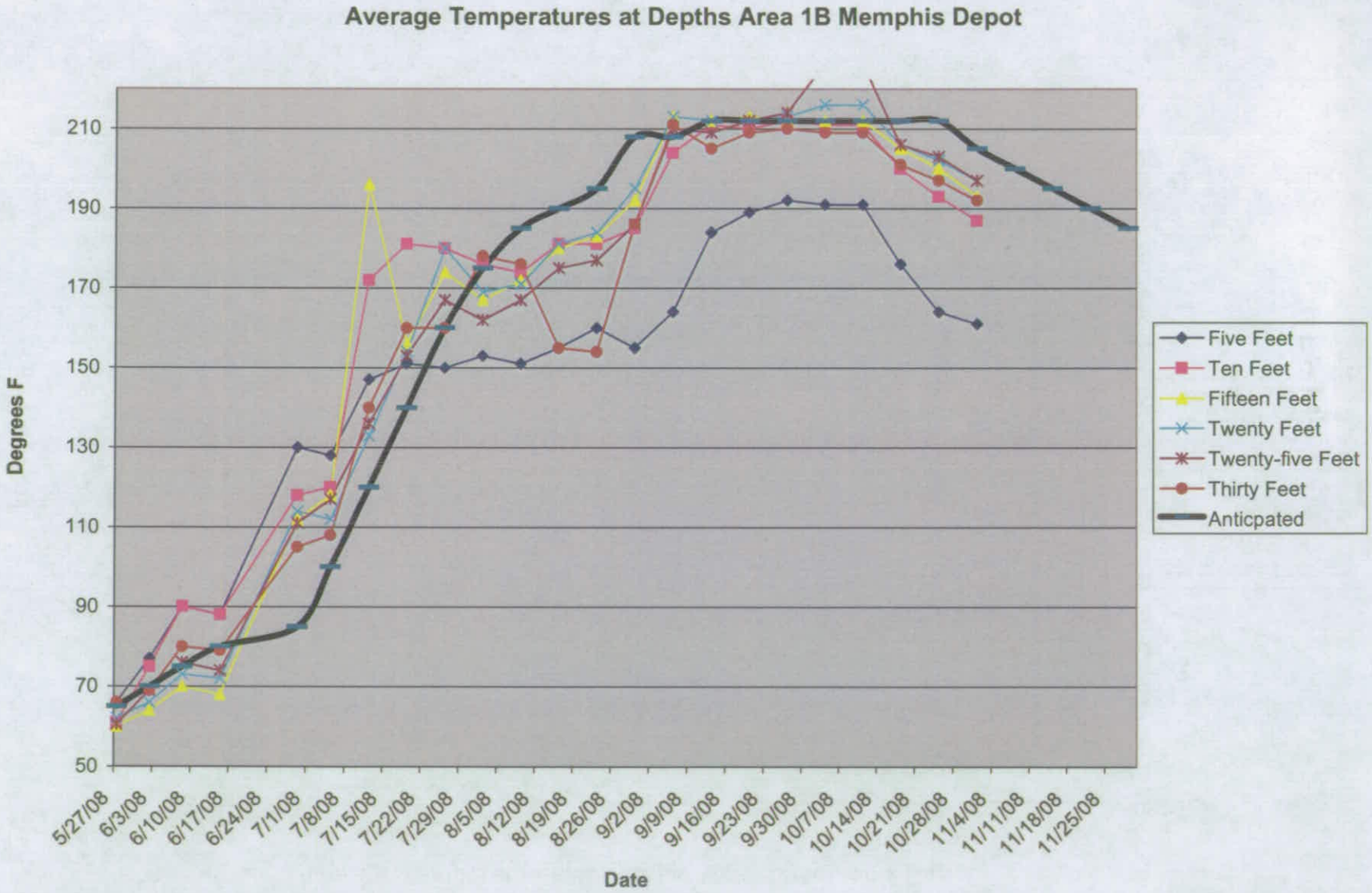
TerraTherm will maintain a presence on site through the duration of the project.

Heating operations will continue until at least 11/07/08.

A soil sampling event will be scheduled for the few remaining recalcitrant sample locations.

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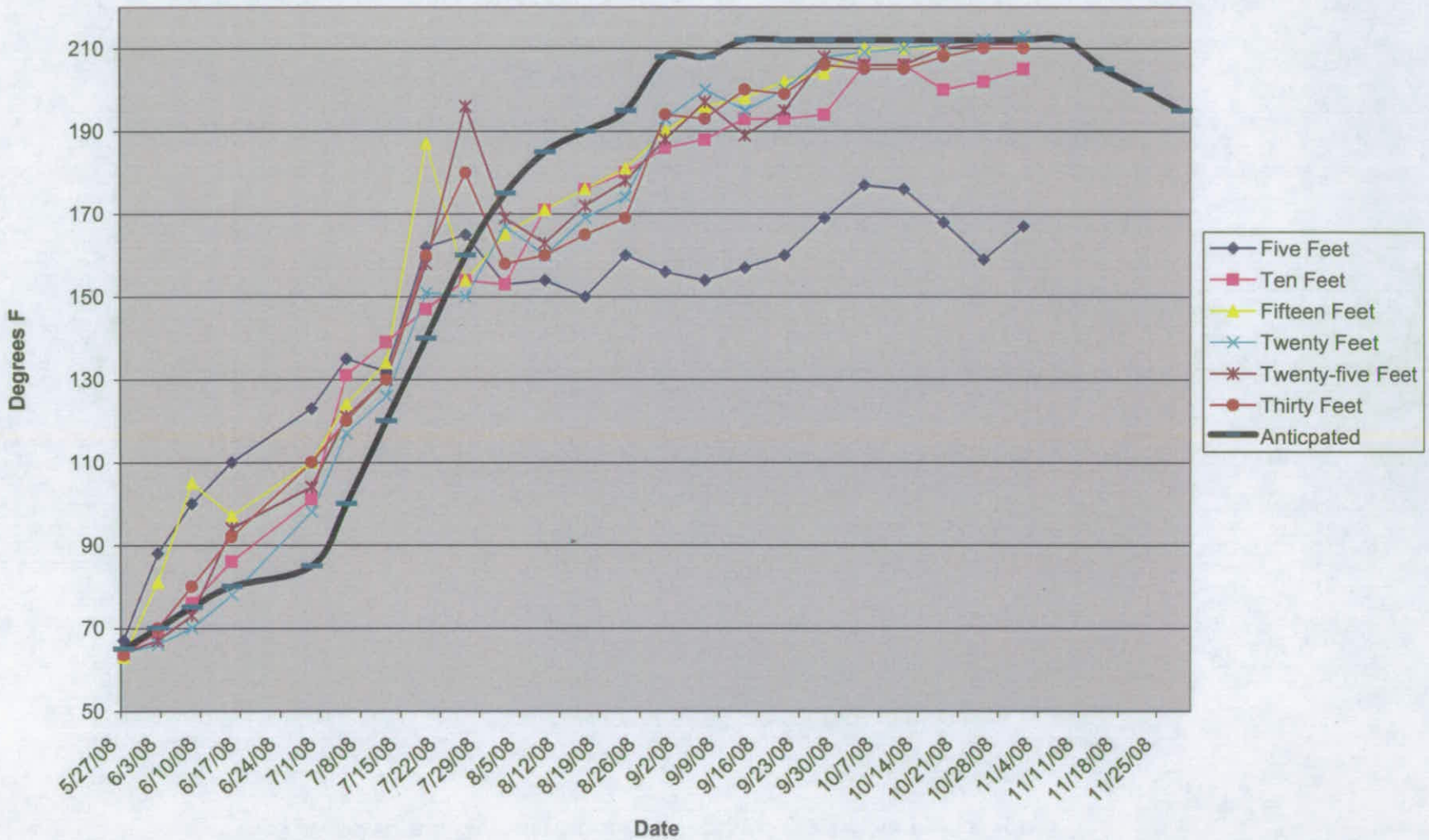

Average Temperatures at Depths Area 1A Memphis Depot
Degrees F
210
190
170
150
130
110
90
70
50
5/27/08
6/3/08
6/10/08
6/17/08
6/24/08
7/1/08
7/8/08
7/15/08
7/22/08
7/29/08
8/5/08
8/12/08
8/19/08
8/26/08
9/2/08
9/9/08
9/16/08
9/23/08
9/30/08
10/7/08
10/14/08
10/21/08
10/28/08
11/4/08
11/11/08
11/18/08
11/25/08
Date
Five Feet
Ten Feet
Fifteen Feet
Twenty Feet
Anticpated


Average Temperatures at Depths Area 1B Memphis Depot
Degrees F
210
190
170
150
130
110
90
70
50
5/27/08
6/3/08
6/10/08
6/17/08
6/24/08
7/1/08
7/8/08
7/15/08
7/22/08
7/29/08
8/5/08
8/12/08
8/19/08
8/26/08
9/2/08
9/9/08
9/16/08
9/23/08
9/30/08
10/7/08
10/14/08
10/21/08
10/28/08
11/4/08
11/11/08
11/18/08
11/25/08
Date
Five Feet
Ten Feet
Fifteen Feet
Twenty Feet
Twenty-five Feet
Thirty Feet
Anticpated

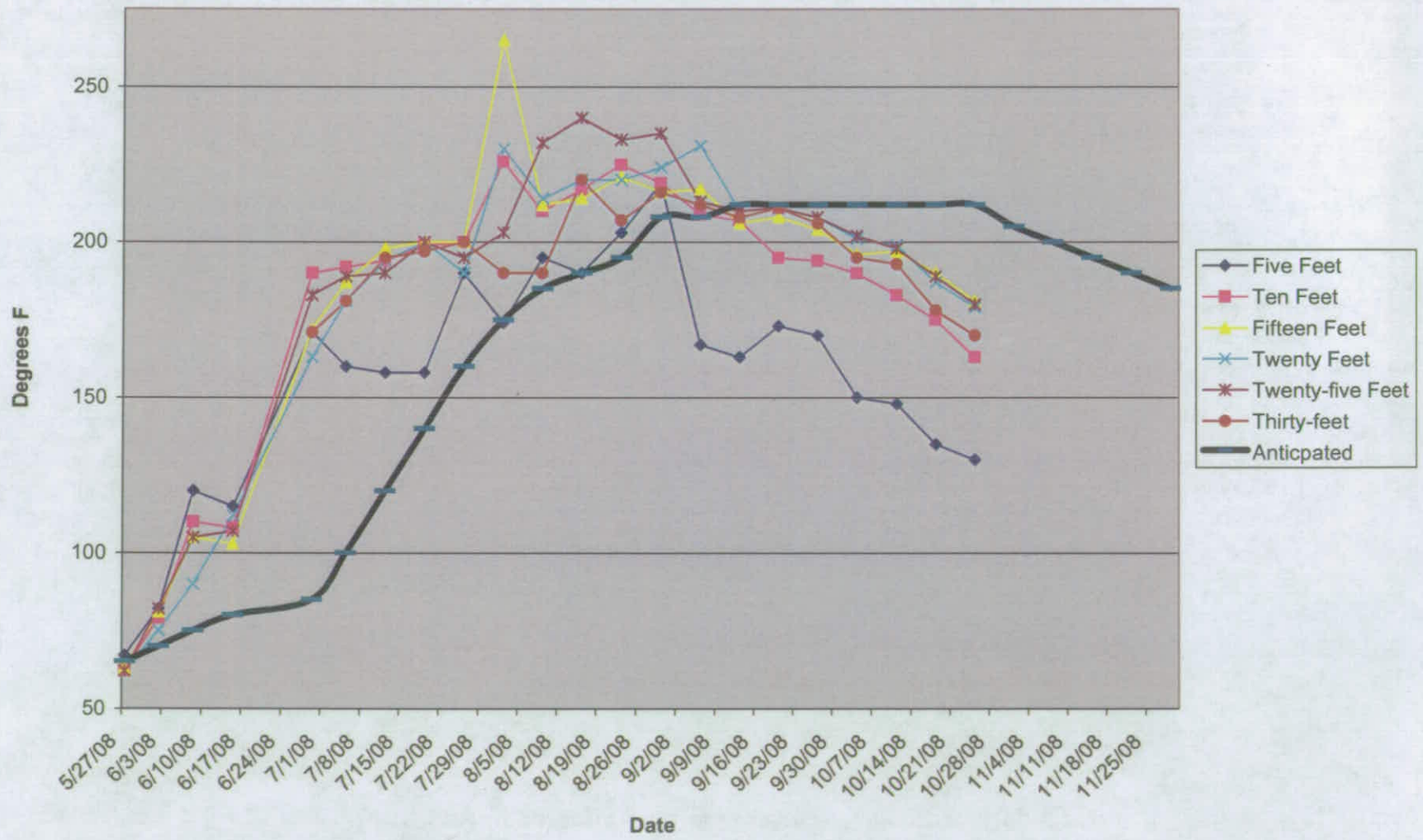
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Average Temperatures at Depths Area 1C Memphis Depot



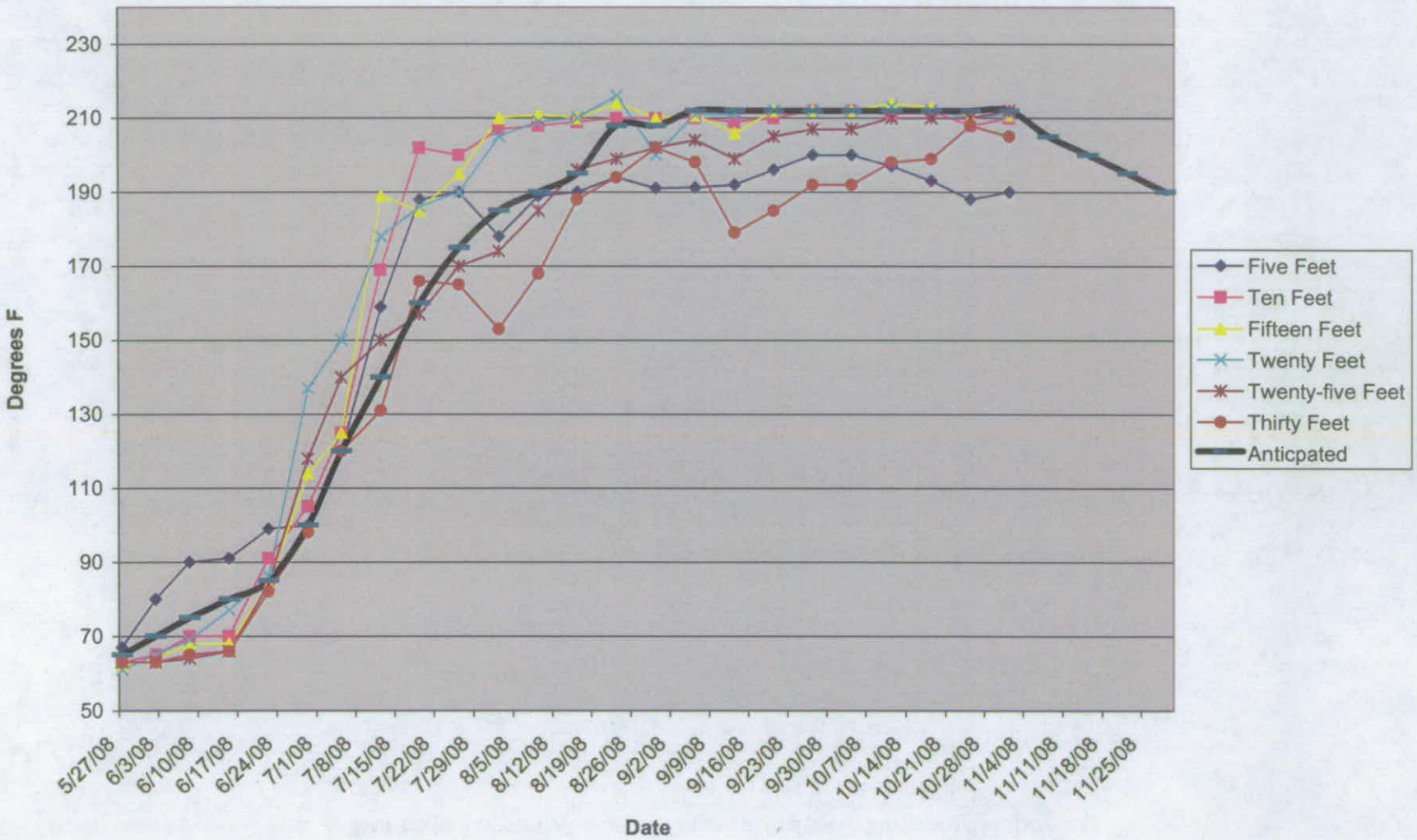
Average Temperatures at Depths Area 1D Memphis Depot

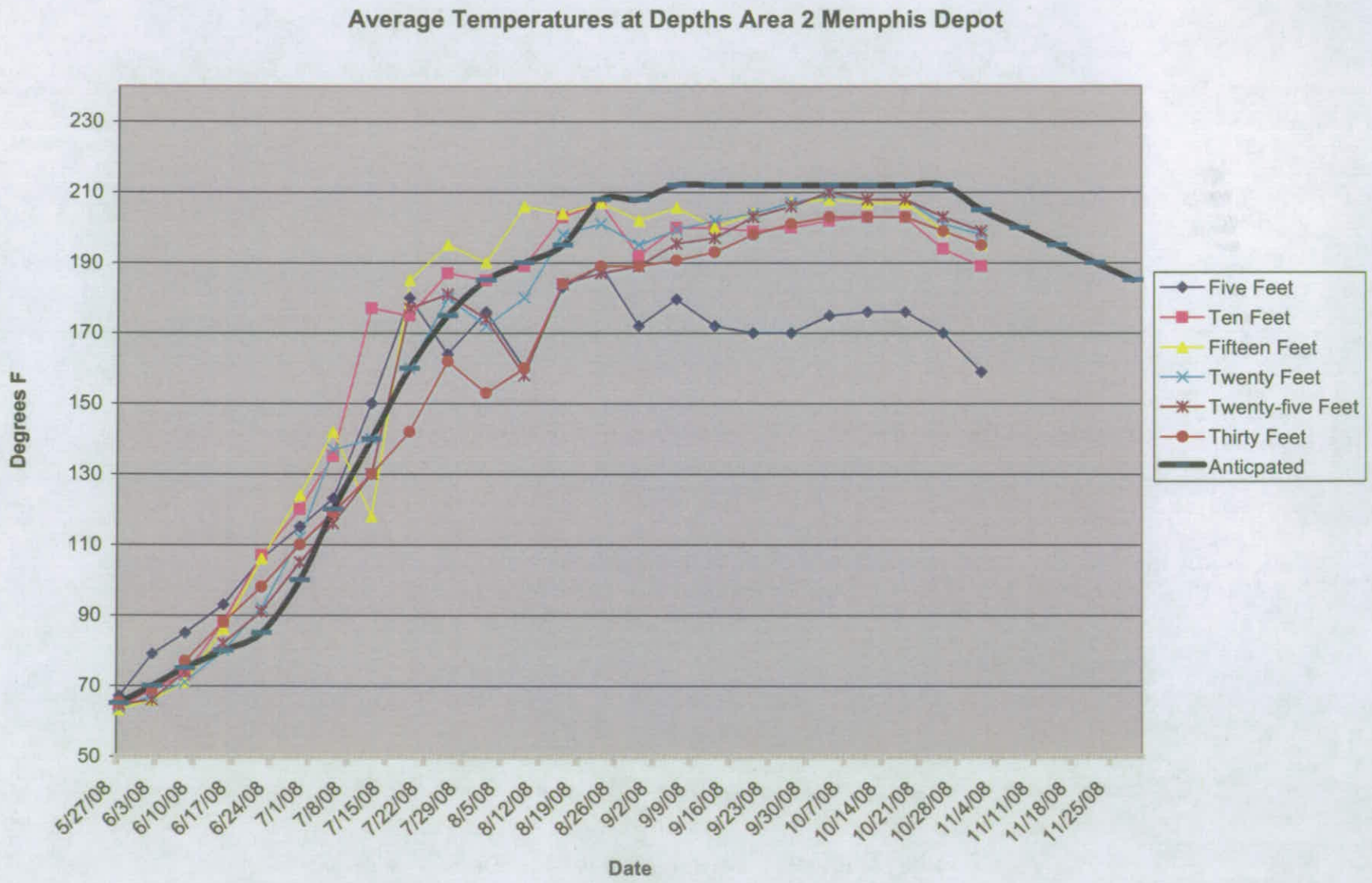


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Average Temperatures at Depths Area 1E Memphis Depot

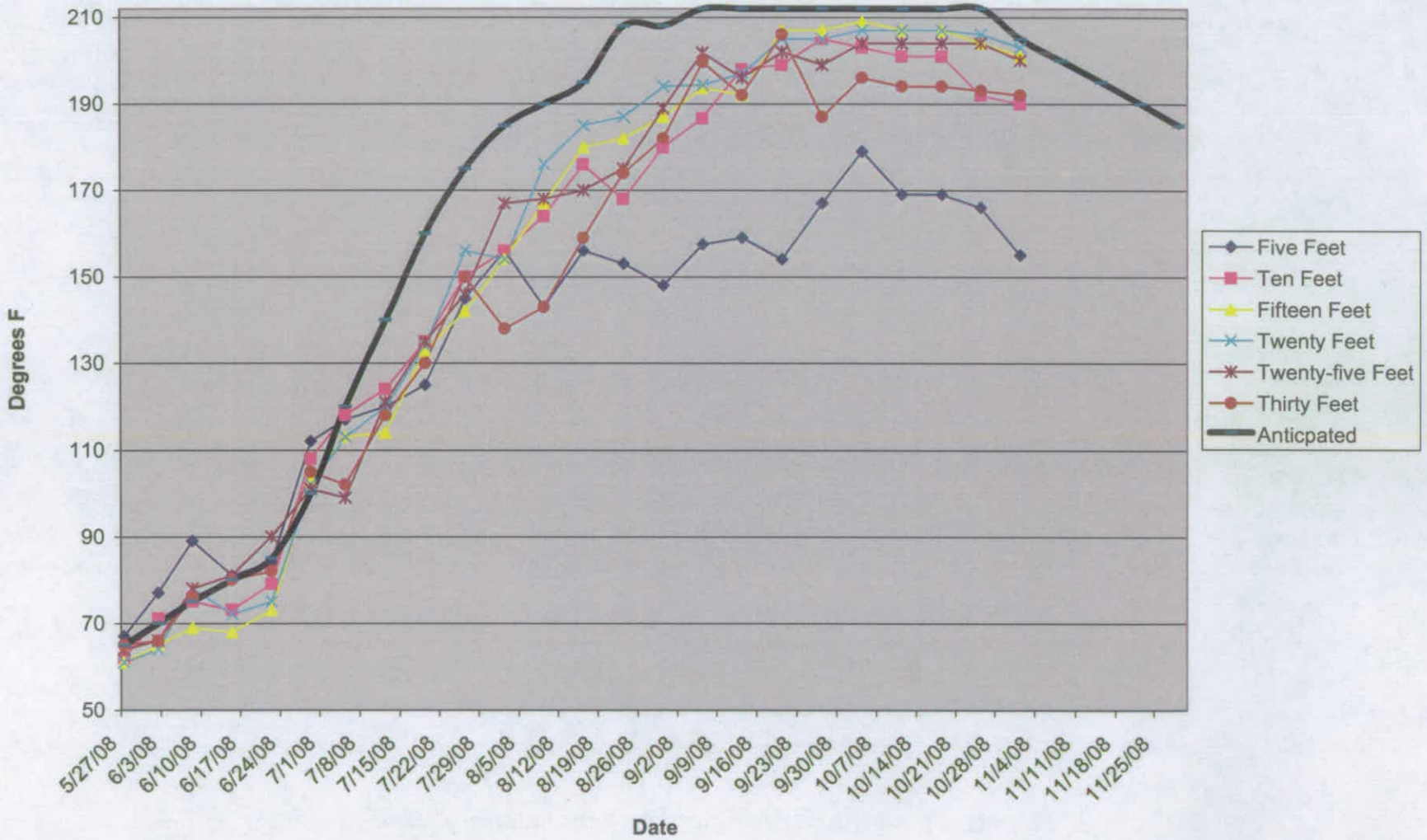



Average Temperatures at Depths Area 2 Memphis Depot
Degrees F
230
210
190
170
150
130
110
90
70
50
5/27/08
6/3/08
6/10/08
6/17/08
6/24/08
7/1/08
7/8/08
7/15/08
7/22/08
7/29/08
8/5/08
8/12/08
8/19/08
8/26/08
9/2/08
9/9/08
9/16/08
9/23/08
9/30/08
10/7/08
10/14/08
10/21/08
10/28/08
11/4/08
11/11/08
11/18/08
11/25/08
Date
Five Feet
Ten Feet
Fifteen Feet
Twenty Feet
Twenty-five Feet
Thirty Feet
Anticpated

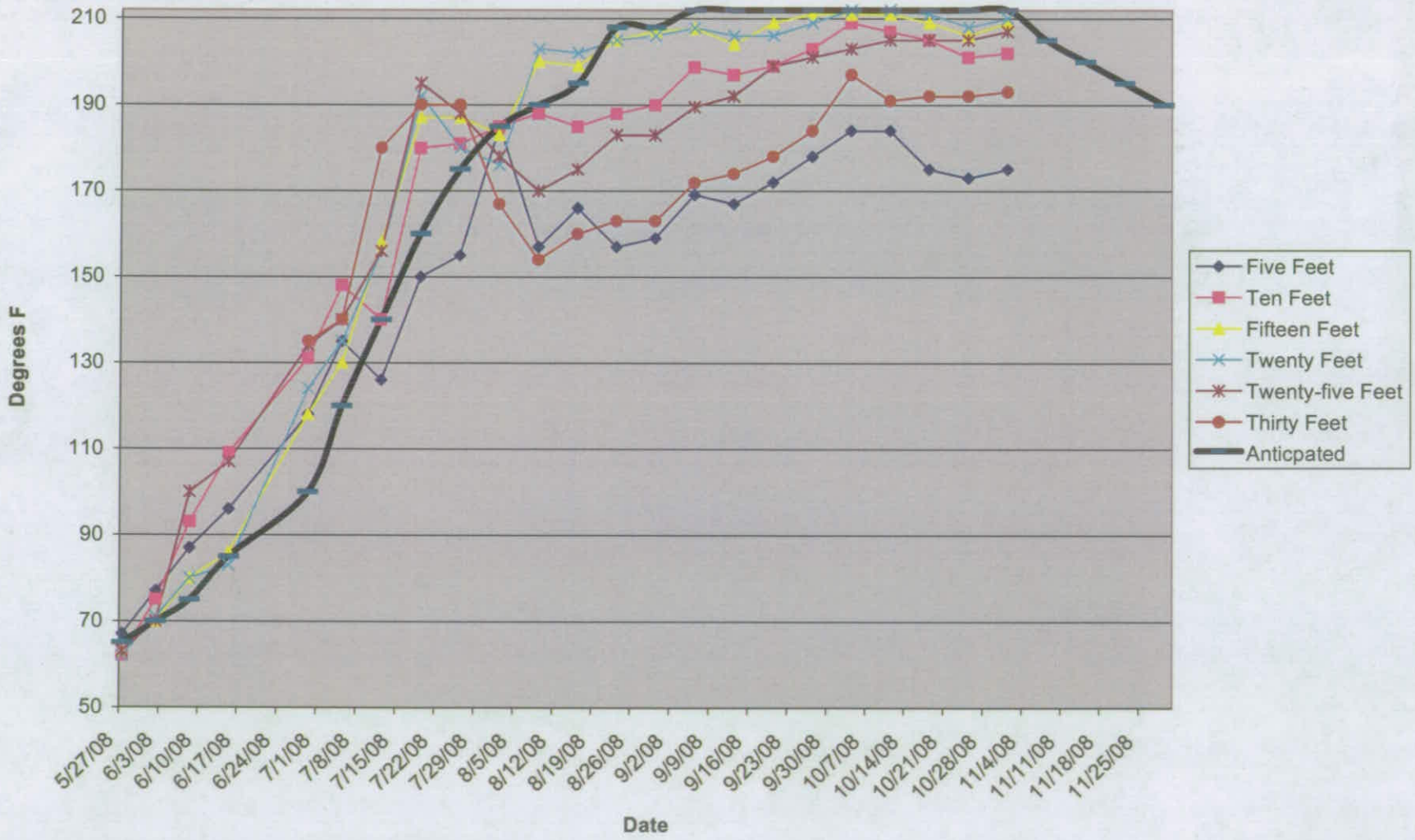
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10001647

Average Temperatures at Depths Area 3 Memphis Depot

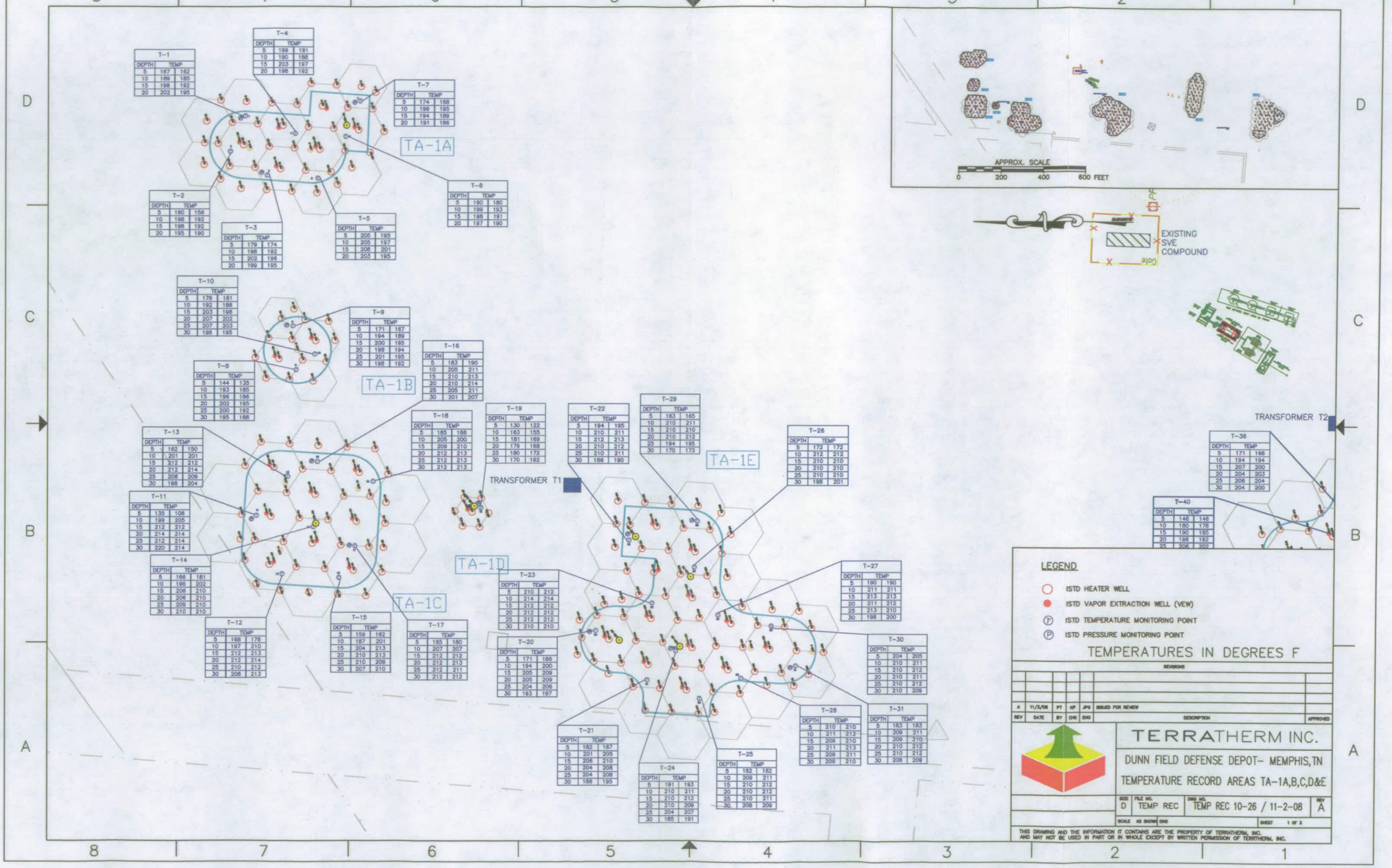


Average Temperatures at Depths Area 4 Memphis Depot



10001648

10001649


T-1
DEPTH TEMP
5 167 162
10 189 185
15 198 192
20 202 195
T-2
DEPTH TEMP
5 180 156
10 198 192
15 198 192
20 195 190
T-3
DEPTH TEMP
5 179 174
10 198 192
15 202 196
20 199 195
T-4
DEPTH TEMP
5 199 191
10 190 188
15 203 197
20 198 192
T-5
DEPTH TEMP
5 205 195
10 205 197
15 208 201
20 203 195
T-6
DEPTH TEMP
5 190 180
10 199 193
15 198 191
20 197 190
T-7
DEPTH TEMP
5 174 168
10 199 195
15 194 189
20 191 186
TA-1A
T-8
DEPTH TEMP
5 144 135
10 193 185
15 196 186
20 202 195
25 200 192
30 195 188
T-9
DEPTH TEMP
5 171 167
10 194 189
15 200 195
20 198 194
25 201 195
30 198 192
T-10
DEPTH TEMP
5 178 181
10 192 188
15 203 198
20 207 202
25 207 203
30 198 195
TA-1B
T-11
DEPTH TEMP
5 135 108
10 199 205
15 212 212
20 214 214
25 212 214
30 220 214
T-12
DEPTH TEMP
5 168 178
10 197 210
15 212 213
20 212 214
25 210 212
30 208 213
T-13
DEPTH TEMP
5 162 150
10 201 201
15 212 212
20 212 214
25 208 209
30 198 204
T-14
DEPTH TEMP
5 166 181
10 198 202
15 206 210
20 206 210
25 209 210
30 210 210
T-15
DEPTH TEMP
5 159 162
10 187 201
15 204 213
20 210 213
25 210 209
30 207 210
T-16
DEPTH TEMP
5 183 190
10 205 211
15 210 213
20 210 214
25 205 211
30 201 207
T-17
DEPTH TEMP
5 185 180
10 207 207
15 212 212
20 212 213
25 212 211
30 212 212
T-18
DEPTH TEMP
5 185 188
10 205 200
15 209 210
20 212 213
25 212 213
30 212 213
T-19
DEPTH TEMP
5 130 122
10 163 155
15 181 169
20 179 168
25 180 172
30 170 162
TRANSFORMER T1
TA-1C
TA-1D
T-20
DEPTH TEMP
5 171 186
10 194 200
15 205 209
20 205 209
25 204 206
30 193 197
T-21
DEPTH TEMP
5 182 187
10 201 205
15 208 210
20 204 208
25 204 208
30 188 195
T-22
DEPTH TEMP
5 194 195
10 210 211
15 212 213
20 210 212
25 210 211
30 186 190
T-23
DEPTH TEMP
5 210 212
10 214 214
15 212 212
20 212 212
25 212 212
30 210 210
T-24
DEPTH TEMP
5 191 193
10 210 211
15 210 212
20 210 209
25 204 207
30 185 191
T-25
DEPTH TEMP
5 182 182
10 209 211
15 210 212
20 210 212
25 210 211
30 208 209
T-26
DEPTH TEMP
5 172 172
10 212 212
15 210 210
20 210 210
25 210 210
30 198 201
T-27
DEPTH TEMP
5 190 190
10 211 211
15 213 213
20 211 212
25 213 210
30 198 200
T-28
DEPTH TEMP
5 210 210
10 211 212
15 209 210
20 211 213
25 209 211
30 209 210
T-29
DEPTH TEMP
5 163 165
10 210 211
15 210 210
20 210 212
25 194 195
30 170 173
TA-1E
T-30
DEPTH TEMP
5 204 205
10 210 211
15 210 212
20 210 211
25 210 212
30 210 209
T-31
DEPTH TEMP
5 183 183
10 209 211
15 209 210
20 210 212
25 210 213
30 208 208
T-36
DEPTH TEMP
5 171 168
10 194 194
15 207 200
20 204 203
25 206 204
30 204 200
T-40
DEPTH TEMP
5 148 146
10 180 178
15 190 185
20 198 192
25 206 202
TRANSFORMER T2
APPROX. SCALE
0 200 400 600 FEET
EXISTING SVE COMPOUND
LEGEND
ISTD HEATER WELL
ISTD VAPOR EXTRACTION WELL (VEW)
ISTD TEMPERATURE MONITORING POINT
ISTD PRESSURE MONITORING POINT
TEMPERATURES IN DEGREES F
REVISIONS
A 11/3/08 PT KP JPG ISSUED FOR REVIEW
REV DATE BY CHK ENG DESCRIPTION APPROVED
TERRATHERM INC.
DUNN FIELD DEFENSE DEPOT- MEMPHIS, TN
TEMPERATURE RECORD AREAS TA-1A,B,C,D&E
SIZE D FILE NO. TEMP REC DWG NO. TEMP REC 10-26 / 11-2-08 REV A
SCALE AS SHOWN ENG SHEET 1 OF 2
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10001650

TRANSFORMER T2

TA-2

T-38		
DEPTH	TEMP	
5	182	180
10	198	192
15	203	199
20	207	205
25	208	203
30	204	200

T-36		
DEPTH	TEMP	
5	171	166
10	194	194
15	207	200
20	204	203
25	206	204
30	204	200

T-41		
DEPTH	TEMP	
5	199	195
10	204	200
15	200	195
20	208	205
25	205	201
30	201	197

T-44		
DEPTH	TEMP	
5	148	121
10	200	195
15	205	201
20	203	198
25	203	197
30	193	190

T-40		
DEPTH	TEMP	
5	148	146
10	180	178
15	190	185
20	198	192
25	206	202
30	203	199

T-45		
DEPTH	TEMP	
5	183	145
10	180	176
15	180	179
20	186	188
25	186	183
30	190	185

T-32		
DEPTH	TEMP	
5	180	175
10	195	190
15	197	191
20	200	194
25	202	195
30	198	195

T-42		
DEPTH	TEMP	
5	173	160
10	201	195
15	203	201
20	190	185
25	192	189
30	189	185

T-33		
DEPTH	TEMP	
5	140	140
10	165	161
15	189	184
20	201	199
25	208	206
30	205	203

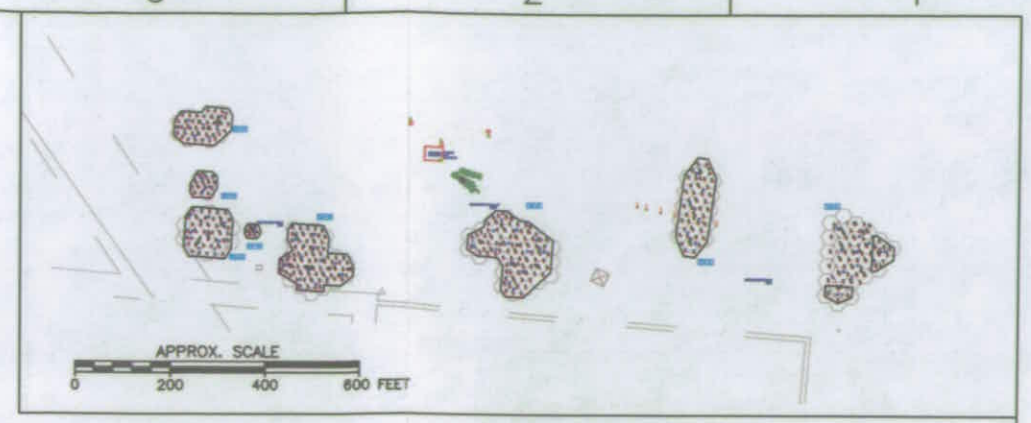
T-37		
DEPTH	TEMP	
5	178	156
10	196	190
15	200	196
20	198	187
25	194	201
30	188	194

T-43		
DEPTH	TEMP	
5	171	168
10	198	195
15	201	197
20	201	198
25	197	192
30	189	185

T-34		
DEPTH	TEMP	
5	174	171
10	203	194
15	207	203
20	210	207
25	214	210
30	203	199

T-39		
DEPTH	TEMP	
5	163	153
10	194	190
15	200	199
20	207	204
25	207	203
30	208	203

T-35		
DEPTH	TEMP	
5	172	154
10	201	194
15	205	200
20	207	203
25	208	206
30	204	199



LEGEND

- ISTD HEATER WELL
- ISTD VAPOR EXTRACTION WELL (VEW)
- ISTD TEMPERATURE MONITORING POINT
- ISTD PRESSURE MONITORING POINT

TEMPERATURES IN DEGREES F

REVISIONS						
REV	DATE	BY	CHK	ENG	DESCRIPTION	APPROVED
A	11/3/08	PT	KP	JPG	ISSUED FOR REVIEW	

TERRATHERM INC.

DUNN FIELD DEFENSE DEPOT – MEMPHIS, TN

ISTD TEMPERATURE RECORD; AREA TA-2

SIZE	FILE NO.	DWG NO.	REV
D	TEMP REC	TEMP REC 10-26 / 11-2-08	A

SCALE AS SHOWN | DRG | SHEET 2 OF 3

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FINAL PAGE

PART II

ADMINISTRATIVE RECORD

PART II

FINAL PAGE