

## **TABLES**

**Table 3-1**  
**Sampling Locations and Rationale**  
**Landfill No. 3, Parcel 80(6)**  
**Fort McClellan, Calhoun County, Alabama**

(Page 1 of 6)

Sample Location	Sample Media	Sample Location Rationale
FA-80-SB01	Fill Material Soil	A fill material soil sample was collected from soil boring FA-80-SB01 in the northeastern section of Landfill No. 3 to determine the vertical extent of fill and to provide fill material characterization information.
FA-80-SB02	Fill Material Soil	A fill material soil sample was collected from soil boring FA-80-SB02 in the northwestern section of Landfill No. 3 to determine the vertical extent of fill and to provide fill material characterization information.
FA-80-SB03	Fill Material Soil	A fill material soil sample was collected from soil boring FA-80-SB03 in the middle eastern section of Landfill No. 3 to determine the vertical extent of fill and to provide fill material characterization information.
FA-80-SB04	Fill Material Soil	A fill material soil sample was collected from soil boring FA-80-SB04 in the middle western section of Landfill No. 3 to determine the vertical extent of fill and to provide fill material characterization information.
FA-80-SB05	Fill Material Soil	A fill material soil sample was collected from soil boring FA-80-SB05 in the southern section of Landfill No. 3 to determine the vertical extent of fill and to provide fill material characterization information.
OLF-G01	Groundwater	Groundwater samples were collected from existing monitoring well OLF-1 to determine the presence of potential site-specific chemicals. Four rounds of groundwater samples were collected from this well.
OLF-G02	Groundwater	Groundwater samples were collected from existing monitoring well OLF-2 to determine the presence of potential site-specific chemicals. Four rounds of groundwater samples were collected from this well.
OLF-G03	Groundwater	Groundwater samples were collected from existing monitoring well OLF-3 to determine the presence of potential site-specific chemicals. Four rounds of groundwater samples were collected from this well.
OLF-G04	Groundwater	Groundwater samples were collected from existing monitoring well OLF-4 to determine the presence of site-specific chemicals. Four rounds of groundwater samples were collected from this well.
OLF-G05	Groundwater	Groundwater samples were collected from existing monitoring well OLF-5 to determine the presence of potential site-specific chemicals. Four rounds of groundwater samples were collected from this well.
OLF-G06	Groundwater	Groundwater samples were collected from existing monitoring well OLF-6 to determine the presence of potential site-specific chemicals. One round of groundwater samples was collected from this well.
OLF-G07	Groundwater	Groundwater samples were collected from existing monitoring well OLF7 to determine the presence of potential site-specific chemicals. Six rounds of groundwater samples were collected from this well.

**Table 3-1**  
**Sampling Locations and Rationale**  
**Landfill No. 3, Parcel 80(6)**  
**Fort McClellan, Calhoun County, Alabama**

(Page 2 of 6)

Sample Location	Sample Media	Sample Location Rationale
OLF-G08	Groundwater	Groundwater samples were collected from existing monitoring well OLF-8 to determine the presence of potential site-specific chemicals. Four rounds of groundwater samples were collected from this well.
OLF-G09	Groundwater	Groundwater samples were collected from existing monitoring well OLF-9 to determine the presence of potential site-specific chemicals. Four rounds of groundwater samples were collected from this well.
OLF-G10	Groundwater	Groundwater samples were collected from existing monitoring well OLF-10 to determine the presence of potential site-specific chemicals. Four rounds of groundwater samples were collected from this well.
OLF-G11	Groundwater	Groundwater samples were collected from existing monitoring well OLF-11 to determine the presence of potential site-specific chemicals. Four rounds of groundwater samples were collected from this well.
OLF-G12	Groundwater	Groundwater samples were collected from existing monitoring well OLF-12 to determine the presence of the site-specific chemicals. Eight rounds of groundwater samples were collected from this well.
OLF-G13	Groundwater	Groundwater samples were collected from existing monitoring well OLF-13 to determine the presence of potential site-specific chemicals. One round of groundwater samples was collected from this well.
OLF-G15	Groundwater	Groundwater samples were collected from existing monitoring well OLF-15 to determine the presence of potential site-specific chemicals. Four rounds of groundwater samples were collected from this well.
OLF-G17	Groundwater	Groundwater samples were collected from existing monitoring well OLF-17 to determine the presence of potential site-specific chemicals. Four rounds of groundwater samples were collected from this well.
OLF-G18	Groundwater	Groundwater samples were collected from existing monitoring well OLF-18 to determine the presence of potential site-specific chemicals. Four rounds of groundwater samples were collected from this well.
OLF-G19	Groundwater	Groundwater samples were collected from existing monitoring well OLF-19 to determine the presence of potential site-specific chemicals. Four rounds of groundwater samples were collected from this well.
OLF-G20	Groundwater	Bedrock monitoring well OLF-G20 was installed approximately 70 feet west of Parcel 80(6), adjacent to existing residuum well OLF-G07, to establish horizontal and vertical groundwater flow directions. Borehole geophysical logging was conducted prior to well installation for additional site-specific geological data. Eight rounds of groundwater samples were collected and analyzed for potential site-specific chemicals.
OLF-G21	Groundwater	Bedrock monitoring well OLF-G21 was installed approximately 250 feet southwest of Parcel 80(6), adjacent to existing residuum well OLF-G18, to establish horizontal and vertical groundwater flow directions. Borehole geophysical logging was conducted prior to well installation for additional site-specific geological data. Six rounds of groundwater samples were collected and analyzed for potential site-specific chemicals.

**Table 3-1**

**Sampling Locations and Rationale  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

(Page 3 of 6)

Sample Location	Sample Media	Sample Location Rationale
OLF-G22	Groundwater	Bedrock monitoring well OLF-G22 was installed approximately 300 feet west of Parcel 80(6), adjacent to existing residuum well OLF-G12, to establish horizontal and vertical groundwater flow directions. Borehole geophysical logging was conducted prior to well installation for additional site-specific geological data. Seven rounds of groundwater samples were collected and analyzed for potential site-specific chemicals.
OLF-G23	Groundwater	Bedrock monitoring well OLF-G23 was installed approximately 400 feet northwest of Parcel 80(6), and approximately 500 feet northeast of existing residuum well OLF-G12, to establish horizontal and vertical groundwater flow directions. Borehole geophysical logging was conducted prior to well installation for additional site-specific geological data. Seven rounds of groundwater samples were collected and analyzed for potential site-specific chemicals.
OLF-G24	Groundwater	Residuum\bedrock (transition) monitoring well OLF-G24 was installed approximately 400 feet northwest of Parcel 80(6), adjacent to bedrock well OLF-G23, to establish horizontal and vertical groundwater flow directions. Seven rounds of groundwater samples were collected and analyzed for potential site-specific chemicals.
OLF-G25	Groundwater	Bedrock monitoring well OLF-G25 was installed approximately 350 feet west of Parcel 80(6), in the City of Anniston church parking lot to establish horizontal and vertical groundwater flow directions and assist in delineating the extent of the VOC plume west of Landfill No. 3. Borehole geophysical logging was conducted prior to well installation for additional site-specific geological data. Seven rounds of groundwater samples were collected and analyzed for potential site-specific chemicals.
OLF-G26	Groundwater	Residuum\bedrock (transition) monitoring well OLF-G26 was installed approximately 350 feet west of Parcel 80(6), adjacent to bedrock well OLF-G25 in the City of Anniston church parking lot, to establish horizontal and vertical groundwater flow directions and delineate the extent to the groundwater plume west of Landfill No. 3. Five rounds of groundwater samples were collected and analyzed for potential site-specific chemicals.
OLF-G27	Groundwater	Bedrock monitoring well OLF-G27 was installed in the City of Weaver right of way on Blarney Drive, approximately 2,800 feet northwest of Parcel 80(6), to establish horizontal and vertical groundwater flow directions and monitor the quality of groundwater between Landfill No. 3 and the City of Weaver water wells. Borehole geophysical logging was conducted prior to well installation for additional site-specific geological data. Eight rounds of groundwater samples were collected and analyzed for potential site-specific chemicals.
OLF-G28	Groundwater	Residuum\bedrock (transition) monitoring well OLF-G28 was installed in the City of Weaver right of way on Blarney Drive, approximately 2,800 feet northwest of Parcel 80(6), to establish horizontal and vertical groundwater flow directions and monitor groundwater quality between Landfill No. 3 and the City of Weaver water wells. Eight rounds of groundwater samples were collected and analyzed for potential site-specific chemicals.
OLF-G29	Groundwater	Bedrock monitoring well OLF-G29 was installed on private property (Brown property) between Landfill No. 3 and the City of Weaver water wells, approximately 1,000 feet west of the landfill. The well was installed to establish horizontal and vertical groundwater flow directions and to delineate the nature and extent of VOCs in groundwater. Five rounds of groundwater samples were collected and analyzed for VOCs.

**Table 3-1**

**Sampling Locations and Rationale  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

(Page 4 of 6)

Sample Location	Sample Media	Sample Location Rationale
OLF-G30	Groundwater	Bedrock monitoring well OLF-G30 was installed on private property (Brown property) between Landfill No. 3 and City of Weaver wells, adjacent to OLF-G29 approximately 1,000 feet northwest of the landfill. The well was installed to establish horizontal and vertical groundwater flow directions and delineate the nature and extent of VOCs in groundwater. Borehole geophysical logging was conducted prior to well installation for additional site-specific geological data. Five rounds of groundwater samples were collected and analyzed for VOCs.
OLF-G31	Groundwater	Bedrock monitoring well OLF-G31 was installed between Landfill No. 3 and the City of Weaver water wells, approximately 1,350 feet northwest of the landfill. The well was installed to establish horizontal and vertical groundwater flow directions and delineate the nature and extent of VOCs in groundwater. Five rounds of groundwater samples were collected and analyzed for VOCs.
OLF-G32	Groundwater	Bedrock monitoring well OLF-G32 was installed between Landfill No. 3 and the City of Weaver water wells adjacent to bedrock well OLF-G31, approximately 1,300 feet northwest of the landfill. The well was installed to establish horizontal and vertical groundwater flow directions and delineate the nature and extent of VOCs in groundwater. Borehole geophysical logging was conducted prior to well installation for additional site-specific geological data. Five rounds of groundwater samples were collected and analyzed for VOCs.
OLF-G33	Groundwater	Bedrock monitoring well OLF-G33 was installed in the median of Alabama State Highway 21, approximately 800 feet north-northwest of the landfill. The well was installed to establish horizontal and vertical groundwater flow directions and further delineate the north-northwestern horizontal extent of groundwater contamination. Five rounds of groundwater samples were collected and analyzed for VOCs.
OLF-G34	Groundwater	Residuum\bedrock (transition) monitoring well OLF-G34 was installed adjacent to bedrock well OLF-G33 in the median of Alabama State Highway 21, approximately 800 feet north-northwest of the landfill. The well was installed to establish horizontal and vertical groundwater flow directions and further delineate the north-northwestern horizontal extent of groundwater contamination. Borehole geophysical logging was conducted prior to well installation for additional site-specific geological data. Five rounds of groundwater samples were collected and analyzed for VOCs.
OLF-G35	Groundwater	Bedrock monitoring well OLF-G35 was installed in the median of Alabama State Highway 21, adjacent to existing monitoring wells OLF-G23 and OLF-G24. The well was installed to delineate the vertical extent of groundwater contamination in OLF-G23 and further establish horizontal and vertical groundwater flow directions. Borehole geophysical logging was conducted prior to well installation for additional site-specific geological data. Five rounds of groundwater samples were collected and analyzed for VOCs.
OLF-G36	Groundwater	Bedrock monitoring well OLF-G36 was installed in the median of Alabama State Highway 21, adjacent to existing monitoring wells OLF-G12 and OLF-G22. The well was installed to delineate the vertical extent of groundwater contamination in OLF-G22 and further establish horizontal and vertical groundwater flow directions. Borehole geophysical logging was conducted prior to well installation for additional site-specific geological data. Five rounds of groundwater samples were collected and analyzed for VOCs.
OLF-G37	Groundwater	Bedrock monitoring well OLF-G37 was installed on private property (Brown property) between Landfill No. 3 and the City of Weaver water wells, approximately 800 feet west of the landfill. The well was installed to delineate the western extent of groundwater contamination between Landfill No. 3 and the City of Weaver. Borehole geophysical logging was conducted prior to well installation for additional site-specific geological data. Five rounds of groundwater samples were collected and analyzed for VOCs.

**Table 3-1**

**Sampling Locations and Rationale  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

(Page 5 of 6)

Sample Location	Sample Media	Sample Location Rationale
OLF-G38	Groundwater	Bedrock monitoring well OLF-G38 was installed approximately 400 feet north of Landfill No. 3, adjacent to existing residuum monitoring well OLF-G15. The well was installed to further delineate the vertical extent of groundwater contamination north of Landfill No. 3. Borehole geophysical logging was conducted prior to well installation for additional site-specific geological data. Five rounds of groundwater samples were collected and analyzed for VOCs.
OLF-G39	Groundwater	Bedrock monitoring well OLF-G39 was installed north of Landfill No. 3, approximately 500 feet north of the landfill. Discrete groundwater samples were collected to determine the presence of site-specific contaminants, establish a vertical profile for well screen placement, and further define the horizontal and vertical extent of the VOC plume. Borehole geophysical logging was conducted prior to well installation for additional site-specific geological data. Two rounds of groundwater samples were collected and analyzed for VOCs.
OLF-G40	Groundwater	Residuum\bedrock (transition) monitoring well OLF-G40 was installed between Landfill No. 3 and Landfill No. 4, adjacent to existing residuum well LF4-MW1. Discrete groundwater samples were collected to determine if site-specific chemicals were present at depths below existing well LF4-MW1 and to define the vertical extent of the VOC plume east of Landfill No. 3. Borehole geophysical logging was conducted prior to well installation for additional site-specific geological data. Two rounds of groundwater samples were collected and analyzed for VOCs.
OLF-G41	Groundwater	Residuum\bedrock (transition) monitoring well OLF-G41 was installed south of Landfill No.3, adjacent to existing residuum well OLF-G10. Discrete groundwater samples were collected to determine if site-specific chemicals were present at depths below existing well OLF-G10 and to define the vertical extent of the VOC plume south of Landfill No. 3. Borehole geophysical logging was conducted prior to well installation for additional site-specific geological data. Two rounds of groundwater samples were collected and analyzed for VOCs.
OLF-G42	Groundwater	Bedrock monitoring well OLF-G42 was installed north of Landfill No.3, adjacent to existing residuum well OLF-G04, to determine if site-specific chemicals were present at depths below existing well OLF-G04 and to define the vertical extent of the VOC plume north of Landfill No. 3. Two rounds of groundwater samples were collected and analyzed for VOCs.
OLF-G43	Groundwater	Bedrock monitoring well OLF-G43 was installed on Midway Lane (City of Anniston right-of-way property), adjacent to bedrock monitoring well OLF-G44 and approximately 1,150 feet northwest of the landfill. The well was installed to further define the horizontal and vertical extent of the VOC plume at Landfill No. 3. Two rounds of groundwater samples were collected and analyzed for VOCs.
OLF-G44	Groundwater	Bedrock monitoring well OLF-G44 was installed on Midway Lane (City of Anniston right-of-way property), approximately 1,100 feet northwest of the landfill. Discrete groundwater samples were collected to determine the presence of site-specific contaminants, establish a vertical profile for well screen placement, and further define the extent of the VOC plume northwest of Landfill No. 3. Borehole geophysical logging was conducted prior to well installation for additional site-specific geological data. Two rounds of groundwater samples were collected and analyzed for VOCs.
OLF-G45	Groundwater	Bedrock monitoring well OLF-G45 was installed approximately 1,000 feet north of Landfill No. 3, near the northern boundary of Fort McClellan. The well was installed to further define the horizontal and vertical extent of the VOC plume. Two rounds of groundwater samples were collected and analyzed for VOCs.

**Table 3-1**

**Sampling Locations and Rationale  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

(Page 6 of 6)

Sample Location	Sample Media	Sample Location Rationale
OLF-G46	Groundwater	Bedrock monitoring well OLF-G46 was installed approximately 1,000 feet north of Landfill No. 3, near the northern boundary of Fort McClellan. Discrete groundwater samples were collected to determine the presence of site-specific contaminants, establish a vertical profile for well screen placement, and further define the horizontal and vertical extent of the VOC plume. Borehole geophysical logging was conducted prior to well installation for additional site-specific geological data. Two rounds of groundwater samples were collected and analyzed for VOCs.
OLF-G47	Groundwater	Bedrock monitoring well OLF-G47 was installed in the median of Alabama State Highway 21, adjacent to bedrock well OLF-G48 and approximately 1,500 feet north of the landfill, to further define the horizontal and vertical extent of the VOC plume north of Landfill No. 3. Two rounds of groundwater samples were collected and analyzed for VOCs.
OLF-G48	Groundwater	Bedrock monitoring well OLF-G48 was installed in the median of Alabama State Highway 21, approximately 1,500 feet north of the landfill. Discrete groundwater samples were collected to determine the presence of site-specific contaminants, establish a vertical profile for well screen placement, and further define the horizontal and vertical extent of the VOC plume north of Landfill No. 3. Borehole geophysical logging was conducted prior to well installation for additional site-specific geological data. Two rounds of groundwater samples were collected and analyzed for VOCs.
Lowery	Groundwater	Groundwater samples were collected from residential water well located approximately 1,200 feet northwest of the landfill to monitor for potential VOC contamination. Two rounds of groundwater samples were collected from this well.
Medders	Groundwater	Groundwater samples were collected from residential water well located approximately 550 feet northwest of the landfill to monitor for potential VOC contamination. One round of groundwater samples was collected from this well.
Waldrop	Groundwater	Groundwater samples were collected from residential water well located approximately 1,400 feet north of the landfill to monitor for potential VOC contamination. One round of groundwater samples was collected from this well.
Weaver #2	Groundwater	Groundwater samples were collected from the City of Weaver water supply well to monitor for potential VOC contamination. Seven rounds of groundwater samples were collected from this well.
Weaver #3	Groundwater	Groundwater samples were collected from the City of Weaver water supply well to monitor for potential VOC contamination. Seven rounds of groundwater samples were collected from this well.
LF4-MW1	Groundwater	Groundwater samples were collected from an existing monitoring well (formerly designated MW1-94) located approximately 200 feet east of Landfill No. 3 to determine the presence of potential site-specific chemicals. Four rounds of groundwater samples were collected from this well.

**Table 3-2**

**Monitoring Well Construction Summary  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

(Page 1 of 2)

Well Location	Northing	Easting	Ground Elevation (ft amsl)	Casing Elevation (ft amsl)	Screen Elevation (ft amsl)	Well Depth (ft bgs)	Screen Length (ft)	Screen Interval (ft bgs)	Well Material
OLF-G20	1180139.50	668518.42	739.17	741.43	584.57 - 569.57	175	15	154.6 - 169.6	4" ID Sch. 80 PVC
OLF-G21	1179811.73	668211.45	742.76	742.57	588.16 - 573.16	175	15	154.6 - 169.6	4" ID Sch. 80 PVC
OLF-G22	1180564.97	668533.46	746.67	746.54	591.67 - 576.67	175	15	155 - 170	4" ID Sch. 80 PVC
OLF-G23	1180966.40	668706.61	744.17	743.89	589.57 - 574.57	175	15	154.6 - 169.6	4" ID Sch. 80 PVC
OLF-G24	1180979.87	668712.87	743.90	743.56	664.30 - 649.30	95	15	79.6 - 94.6	4" ID Sch. 80 PVC
OLF-G25	1180079.69	668170.14	745.17	745.04	590.07 - 575.07	175.5	15	155.1 - 170.1	4" ID Sch. 80 PVC
OLF-G26	1180090.46	668172.18	745.16	745.04	660.56 - 645.56	100	15	84.6 - 99.6	4" ID Sch. 80 PVC
OLF-G27	1182182.64	666520.25	779.13	778.80	499.13 - 484.13	300	15	280 - 295	4" ID Sch. 80 PVC
OLF-G28	1182178.48	666511.03	778.73	778.25	648.73 - 633.73	150	15	130 - 145	4" ID Sch. 80 PVC
OLF-G29	1180850.13	667724.28	770.62	770.25	565.52 - 545.52	225.5	20	205.1 - 225.1	4" ID Sch. 80 PVC
OLF-G30	1180862.77	667720.58	770.92	770.66	494.12 - 474.12	297.2	20	276.8 - 296.8	4" ID Sch. 80 PVC
OLF-G31	1181368.91	667801.64	794.25	793.69	589.25 - 569.25	225	20	205 - 225	4" ID Sch. 80 PVC
OLF-G32	1181351.14	667802.78	793.64	793.41	522.64 - 502.64	291	20	271 - 291	4" ID Sch. 80 PVC
OLF-G33	1181493.21	668931.93	737.26	736.98	571.26 - 555.26	182	16	166 - 182	4" ID Sch. 80 PVC
OLF-G34	1181484.77	668928.66	737.42	737.07	491.42 - 476.42	261	15	246 - 261	4" ID Sch. 80 PVC
OLF-G35	1180999.58	668721.98	743.40	742.82	498.40 - 483.40	260	15	245 - 260	4" ID Sch. 80 PVC
OLF-G36	1180534.17	668520.27	746.74	746.09	502.94 - 487.94	258.8	15	243.8 - 258.8	4" ID Sch. 80 PVC
OLF-G37	1180356.11	667751.32	769.57	769.37	585.57 - 565.57	204	20	184 - 204	4" ID Sch. 80 PVC
OLF-G38	1181192.20	669310.07	737.63	739.92	511.63 - 491.63	246	20	226 - 246	4" ID Sch. 80 PVC
OLF-G39	1181349.83	669728.14	739.90	742.05	590.30 - 575.30	165.4	15	149.6 - 164.6	2.5" ID Sch. 80 PVC
OLF-G40	1180064.29	669636.20	737.20	739.51	633.00 - 613.00	125	20	104.2 - 124.2	2.5" ID Sch. 80 PVC
OLF-G41	1179368.67	668720.31	746.50	748.62	681.50 - 661.50	85.7	20	65 - 85	2.5" ID Sch. 80 PVC
OLF-G42	1180803.72	669123.91	746.20	748.41	592.50 - 572.50	174.5	20	153.7 - 173.7	2.5" ID Sch. 80 PVC
OLF-G43	1181810.96	668663.10	761.50	761.05	555.90 - 540.90	220.6	15	205.6 - 220.6	2.5" ID Sch. 80 PVC
OLF-G44	1181818.46	668672.20	760.00	759.82	479.90 - 464.90	295.1	15	280.1 - 295.1	2.5" ID Sch. 80 PVC
OLF-G45	1181806.93	669697.30	719.00	721.50	557.80 - 537.80	182	20	161.2 - 181.2	2.5" ID Sch. 80 PVC
OLF-G46	1181819.59	669722.26	719.80	722.08	490.60 - 470.60	250	20	229.2 - 249.2	2.5" ID Sch. 80 PVC
OLF-G47	1182261.42	669269.84	717.40	717.46	415.40 - 395.40	322	20	302 - 322	2.5" ID Sch. 80 PVC
OLF-G48	1182252.11	669265.97	717.60	717.63	332.60 - 312.60	405	20	385 - 405	2.5" ID Sch. 80 PVC

**Table 3-2**

**Monitoring Well Construction Summary  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

(Page 2 of 2)

Horizontal coordinated referenced to the U.S. State Plane Coordinate System, Alabama East Zone, North American Datum of 1983 (NAD83).  
Elevations referenced to the North American Vertical Datum of 1988 (NAVD88).

amsl - Above mean sea level.

bgs - Below ground surface.

ft - Feet.

PVC - Polyvinyl chloride.

ID - Inside diameter.

Sch. - Schedule.

Table 3-3

Groundwater Elevations  
 Landfill No. 3, Parcel 80(6) and Vicinity  
 Fort McClellan, Calhoun County, Alabama

(Page 1 of 12)

Well Location	Date	Depth to Water (ft BTOC)	Top of Casing Elevation (ft amsl)	Ground Elevation (ft amsl)	Groundwater Elevation (ft amsl)
OLF-G01	14-Mar-00	26.10	744.81	742.40	718.71
	29-Aug-00	29.85			714.96
	14-Jun-01	19.30			725.51
	19-Nov-01	27.87			716.94
	7-Jan-02	27.65			717.16
	4-Jun-02	21.54			723.27
	3-Oct-02	33.51			711.30
	24-Mar-03	13.73			731.08
	16-Jun-03	14.24			730.57
15-Sep-03	19.52	725.29			
OLF-G02	14-Mar-00	21.68	744.38	743.13	722.70
	29-Aug-00	24.62			719.76
	14-Jun-01	16.10			728.28
	19-Nov-01	23.12			721.26
	7-Jan-02	23.53			720.85
	4-Jun-02	16.07			728.31
	3-Oct-02	23.31			721.07
	24-Mar-03	9.26			735.12
	16-Jun-03	11.92			732.46
15-Sep-03	16.36	728.02			
OLF-G03	14-Mar-00	22.08	739.94	737.31	717.86
	29-Aug-00	25.23			714.71
	14-Jun-01	18.48			721.46
	19-Nov-01	24.20			715.74
	7-Jan-02	24.71			715.23
	4-Jun-02	19.11			720.83
	3-Oct-02	24.66			715.28
	24-Mar-03	12.84			727.10
	16-Jun-03	13.38			726.56
15-Sep-03	16.92	723.02			
OLF-G04	14-Mar-00	52.57	747.45	745.03	694.88
	30-Aug-00	DRY			NA
	14-Jun-01	46.65			700.80
	19-Nov-01	51.10			696.35
	7-Jan-02	DRY			NA
	5-Jun-02	47.46			699.99
	3-Oct-02	52.14			695.31
	24-Mar-03	38.05			709.40
	16-Jun-03	38.24			709.21
15-Sep-03	42.30	705.15			

Table 3-3

**Groundwater Elevations  
Landfill No. 3, Parcel 80(6) and Vicinity  
Fort McClellan, Calhoun County, Alabama**

(Page 2 of 12)

Well Location	Date	Depth to Water (ft BTOC)	Top of Casing Elevation (ft amsl)	Ground Elevation (ft amsl)	Groundwater Elevation (ft amsl)
OLF-G05	14-Mar-00	42.30	740.23	738.23	697.93
	29-Aug-00	42.82			697.41
	14-Jun-01	39.00			701.23
	19-Nov-01	40.70			699.53
	7-Jan-02	42.24			697.99
	5-Jun-02	37.89			702.34
	3-Oct-02	11.68			728.55
	24-Mar-03	34.53			705.70
	16-Jun-03	31.37			708.86
15-Sep-03	31.60	708.63			
OLF-G06	14-Mar-00	72.75	750.06	747.78	677.31
	29-Aug-00	DRY			NA
	14-Jun-01	70.25			679.81
	19-Nov-01	DRY			NA
	7-Jan-02	DRY			NA
	5-Jun-02	69.55			680.51
	3-Oct-02	DRY			NA
	24-Mar-03	65.02			685.04
	16-Jun-03	62.95			687.11
15-Sep-03	64.05	686.01			
OLF-G07	14-Mar-00	51.80	741.36	739.10	689.56
	30-Aug-00	52.40			688.96
	14-Jun-01	48.22			693.14
	19-Nov-01	49.62			691.74
	7-Jan-02	51.10			690.26
	5-Jun-02	46.82			694.54
	3-Oct-02	50.50			690.86
	24-Mar-03	43.00			698.36
	16-Jun-03	40.00			701.36
15-Sep-03	40.71	700.65			
OLF-G08	14-Mar-00	40.25	739.30	737.60	699.05
	29-Aug-00	40.79			698.51
	14-Jun-01	36.91			702.39
	19-Nov-01	38.83			700.47
	7-Jan-02	40.31			698.99
	5-Jun-02	35.93			703.37
	3-Oct-02	39.76			699.54
	24-Mar-03	32.52			706.78
	16-Jun-03	29.39			709.91
15-Sep-03	29.78	709.52			

Table 3-3

**Groundwater Elevations  
Landfill No. 3, Parcel 80(6) and Vicinity  
Fort McClellan, Calhoun County, Alabama**

(Page 3 of 12)

Well Location	Date	Depth to Water (ft BTOC)	Top of Casing Elevation (ft amsl)	Ground Elevation (ft amsl)	Groundwater Elevation (ft amsl)
OLF-G09	14-Mar-00	30.65	741.25	738.95	710.60
	29-Aug-00	DRY			NA
	14-Jun-01	26.54			714.71
	19-Nov-01	DRY			NA
	7-Jan-02	DRY			NA
	5-Jun-02	27.67			713.58
	3-Oct-02	DRY			NA
	24-Mar-03	17.83			723.42
	16-Jun-03	20.88			720.37
15-Sep-03	25.75	715.50			
OLF-G10	14-Mar-00	26.67	748.42	746.35	721.75
	29-Aug-00	DRY			NA
	14-Jun-01	21.50			726.92
	19-Nov-01	28.95			719.47
	7-Jan-02	29.67			718.75
	4-Jun-02	20.56			727.86
	3-Oct-02	29.54			718.88
	24-Mar-03	12.03			736.39
	16-Jun-03	15.28			733.14
15-Sep-03	20.59	727.83			
OLF-G11	14-Mar-00	28.96	747.72	745.19	718.76
	29-Aug-00	31.89			715.83
	14-Jun-01	23.63			724.09
	19-Nov-01	30.52			717.20
	7-Jan-02	30.74			716.98
	4-Jun-02	23.57			724.15
	3-Oct-02	30.64			717.08
	24-Mar-03	16.58			731.14
	16-Jun-03	19.19			728.53
15-Sep-03	23.63	724.09			
OLF-G12	14-Mar-00	40.67	745.43	745.75	704.76
	30-Aug-00	72.90			672.53
	14-Jun-01	67.36			678.07
	19-Nov-01	71.48			673.95
	7-Jan-02	71.64			673.79
	4-Jun-02	66.78			678.65
	4-Oct-02	70.86			674.57
	24-Mar-03	60.40			685.03
	16-Jun-03	59.48			685.95
16-Sep-03	62.24	683.19			

Table 3-3

**Groundwater Elevations  
Landfill No. 3, Parcel 80(6) and Vicinity  
Fort McClellan, Calhoun County, Alabama**

(Page 4 of 12)

Well Location	Date	Depth to Water (ft BTOC)	Top of Casing Elevation (ft amsl)	Ground Elevation (ft amsl)	Groundwater Elevation (ft amsl)
OLF-G15	14-Mar-00	17.00	736.78	734.21	719.78
	29-Aug-00	DRY			NA
	14-Jun-01	20.03			716.75
	19-Nov-01	DRY			NA
	7-Jan-02	28.99			707.79
	5-Jun-02	19.95			716.83
	3-Oct-02	20.91			715.87
	24-Mar-03	15.30			721.48
	16-Jun-03	18.27			718.51
	15-Sep-03	21.02			715.76
OLF-G16	14-Mar-00	37.65	738.51	735.99	700.86
	29-Aug-00	DRY			NA
	14-Jun-01	38.80			699.71
	19-Nov-01	DRY			NA
	7-Jan-02	DRY			NA
	5-Jun-02	DRY			NA
	3-Oct-02	DRY			NA
	24-Mar-03	30.56			707.95
	16-Jun-03	34.59			703.92
	15-Sep-03	DRY			NA
OLF-G17	14-Mar-00	32.10	741.24	739.56	709.14
	29-Aug-00	33.31			707.93
	14-Jun-01	29.21			712.03
	19-Nov-01	31.00			710.24
	7-Jan-02	32.27			708.97
	5-Jun-02	27.29			713.95
	3-Oct-02	37.94			703.30
	24-Mar-03	23.89			717.35
	16-Jun-03	21.13			720.11
	15-Sep-03	22.15			719.09
OLF-G18	14-Mar-00	49.66	741.60	742.01	691.94
	30-Aug-00	50.48			691.12
	14-Jun-01	47.25			694.35
	19-Nov-01	48.35			693.25
	7-Jan-02	49.84			691.76
	4-Jun-02	45.65			695.95
	4-Oct-02	49.18			692.42
	24-Mar-03	41.60			700.00
	16-Jun-03	38.12			703.48
	16-Sep-03	37.83			703.77

Table 3-3

**Groundwater Elevations  
Landfill No. 3, Parcel 80(6) and Vicinity  
Fort McClellan, Calhoun County, Alabama**

(Page 5 of 12)

Well Location	Date	Depth to Water (ft BTOC)	Top of Casing Elevation (ft amsl)	Ground Elevation (ft amsl)	Groundwater Elevation (ft amsl)
OLF-G19	14-Mar-00	56.36	744.08	744.50	687.72
	30-Aug-00	57.28			686.80
	14-Jun-01	54.25			689.83
	19-Nov-01	55.24			688.84
	7-Jan-02	56.47			687.61
	4-Jun-02	52.56			691.52
	4-Oct-02	55.72			688.36
	16-Jun-03	45.49			698.59
	16-Sep-03	45.42			698.66
OLF-G20	19-Nov-01	59.06	741.43	739.17	682.37
	7-Jan-02	59.74			681.69
	5-Jun-02	54.76			686.67
	3-Oct-02	58.88			682.55
	24-Mar-03	49.08			692.35
	16-Jun-03	47.26			694.17
15-Sep-03	49.12	692.31			
OLF-G21	19-Nov-01	62.21	742.57	742.76	680.36
	7-Jan-02	62.80			679.77
	4-Jun-02	57.24			685.33
	4-Oct-02	61.82			680.75
	24-Mar-03	50.97			691.60
	16-Jun-03	49.14			693.43
16-Sep-03	51.38	691.19			
OLF-G22	19-Nov-01	72.67	746.54	746.67	673.87
	7-Jan-02	72.80			673.74
	4-Jun-02	67.99			678.55
	4-Oct-02	72.05			674.49
	24-Mar-03	61.61			684.93
	16-Jun-03	60.76			685.78
16-Sep-03	63.58	682.96			
OLF-G23	19-Nov-01	70.15	743.89	744.17	673.74
	7-Jan-02	70.18			673.71
	4-Jun-02	65.41			678.48
	4-Oct-02	69.45			674.44
	24-Mar-03	59.01			684.88
	16-Jun-03	58.18			685.71
16-Sep-03	61.01	682.88			

Table 3-3

**Groundwater Elevations  
Landfill No. 3, Parcel 80(6) and Vicinity  
Fort McClellan, Calhoun County, Alabama**

(Page 6 of 12)

Well Location	Date	Depth to Water (ft BTOC)	Top of Casing Elevation (ft amsl)	Ground Elevation (ft amsl)	Groundwater Elevation (ft amsl)
OLF-G24	19-Nov-01	70.21	743.56	743.90	673.35
	7-Jan-02	70.62			672.94
	4-Jun-02	65.80			677.76
	4-Oct-02	69.99			673.57
	24-Mar-03	59.94			683.62
	16-Jun-03	58.73			684.83
	16-Sep-03	61.57			681.99
OLF-G25	19-Nov-01	62.99	745.04	745.17	682.05
	7-Jan-02	69.55			675.49
	4-Jun-02	65.52			679.52
	4-Oct-02	69.79			675.25
	24-Mar-03	52.87			692.17
	16-Jun-03	57.90			687.14
	16-Sep-03	66.75			678.29
OLF-G26	19-Nov-01	70.41	745.04	745.16	674.63
	7-Jan-02	64.08			680.96
	4-Jun-02	58.24			686.80
	4-Oct-02	62.75			682.29
	24-Mar-03	58.93			686.11
	16-Jun-03	50.19			694.85
	16-Sep-03	51.61			693.43
OLF-G27	14-Jun-01	91.01	778.80	779.13	687.79
	19-Nov-01	98.75			680.05
	7-Jan-02	98.36			680.44
	4-Jun-02	90.68			688.12
	3-Oct-02	96.97			681.83
	24-Mar-03	80.69			698.11
	16-Jun-03	78.61			700.19
16-Sep-03	82.90	695.90			
OLF-G28	14-Jun-01	84.99	778.25	778.73	693.26
	19-Nov-01	98.44			679.81
	7-Jan-02	97.35			680.90
	4-Jun-02	86.39			691.86
	3-Oct-02	93.91			684.34
	24-Mar-03	67.64			710.61
	16-Jun-03	66.77			711.48
16-Sep-03	75.99	702.26			

Table 3-3

**Groundwater Elevations  
Landfill No. 3, Parcel 80(6) and Vicinity  
Fort McClellan, Calhoun County, Alabama**

(Page 7 of 12)

Well Location	Date	Depth to Water (ft BTOC)	Top of Casing Elevation (ft amsl)	Ground Elevation (ft amsl)	Groundwater Elevation (ft amsl)
OLF-G29	4-Jun-02	91.89	770.25	770.62	678.36
	4-Oct-02	96.37			673.88
	24-Mar-03	82.41			687.84
	16-Jun-03	83.70			686.55
	16-Sep-03	86.88			683.37
OLF-G30	4-Jun-02	92.62	770.66	770.92	678.04
	4-Oct-02	97.06			673.60
	24-Mar-03	82.63			688.03
	16-Jun-03	84.60			686.06
	16-Sep-03	87.69			682.97
OLF-G31	4-Jun-02	112.06	793.69	794.25	681.63
	4-Oct-02	117.52			676.17
	24-Mar-03	100.42			693.27
	16-Jun-03	101.84			691.85
	16-Sep-03	107.81			685.88
OLF-G32	4-Jun-02	115.23	793.41	793.64	678.18
	4-Oct-02	119.93			673.48
	24-Mar-03	107.95			685.46
	16-Jun-03	107.33			686.08
	16-Sep-03	110.61			682.80
OLF-G33	4-Jun-02	66.07	736.98	737.26	670.91
	4-Oct-02	69.27			667.71
	24-Mar-03	60.79			676.19
	16-Jun-03	60.75			676.23
	16-Sep-03	63.51			673.47
OLF-G34	4-Jun-02	61.03	737.07	737.42	676.04
	4-Oct-02	64.71			672.36
	24-Mar-03	54.34			682.73
	16-Jun-03	54.57			682.50
	16-Sep-03	57.49			679.58
OLF-G35	4-Jun-02	65.30	742.82	743.40	677.52
	4-Oct-02	69.25			673.57
	24-Mar-03	58.83			683.99
	16-Jun-03	58.22			684.60
	16-Sep-03	61.12			681.70
OLF-G36	4-Jun-02	67.51	746.09	746.74	678.58
	4-Oct-02	71.62			674.47
	24-Mar-03	60.45			685.64
	16-Jun-03	60.14			685.95
	16-Sep-03	63.04			683.05

Table 3-3

**Groundwater Elevations  
Landfill No. 3, Parcel 80(6) and Vicinity  
Fort McClellan, Calhoun County, Alabama**

(Page 8 of 12)

Well Location	Date	Depth to Water (ft BTOC)	Top of Casing Elevation (ft amsl)	Ground Elevation (ft amsl)	Groundwater Elevation (ft amsl)
OLF-G37	4-Jun-02	86.60	769.37	769.57	682.77
	4-Oct-02	90.62			678.75
	24-Mar-03	75.17			694.20
	16-Jun-03	77.05			692.32
	16-Sep-03	81.14			688.23
OLF-G38	5-Jun-02	62.82	739.92	737.63	677.10
	3-Oct-02	66.44			673.48
	24-Mar-03	56.51			683.41
	16-Jun-03	56.49			683.43
	15-Sep-03	59.50			680.42
OLF-G39	24-Mar-03	31.35	742.05	739.90	710.70
	16-Jun-03	32.82			709.23
	15-Sep-03	36.74			705.31
OLF-G40	24-Mar-03	9.88	739.51	737.20	729.63
	16-Jun-03	12.55			726.96
	15-Sep-03	16.84			722.67
OLF-G41	24-Mar-03	13.87	748.62	746.50	734.75
	16-Jun-03	17.32			731.30
	15-Sep-03	22.02			726.60
OLF-G42	24-Mar-03	63.67	748.41	746.20	684.74
	16-Jun-03	63.10			685.31
	15-Sep-03	65.93			682.48
OLF-G43	16-Jun-03	86.30	761.05	761.50	674.75
	16-Sep-03	88.92			672.13
OLF-G44	16-Jun-03	88.85	759.82	760.00	670.97
	16-Sep-03	91.24			668.58
OLF-G45	24-Mar-03	30.82	721.50	719.00	690.68
	16-Jun-03	32.77			688.73
	15-Sep-03	36.47			685.03
OLF-G46	24-Mar-03	34.64	722.08	719.80	687.44
	16-Jun-03	35.81			686.27
	15-Sep-03	39.28			682.80
OLF-G47	16-Jun-03	56.40	717.46	717.40	661.06
	16-Sep-03	58.03			659.43
OLF-G48	16-Jun-03	45.29	717.63	717.60	672.34
	16-Sep-03	47.89			669.74
LOWERY	17-Jun-03	61.26	738.87	738.10	677.61
	16-Sep-03	64.27			674.60

Table 3-3

**Groundwater Elevations  
Landfill No. 3, Parcel 80(6) and Vicinity  
Fort McClellan, Calhoun County, Alabama**

(Page 9 of 12)

Well Location	Date	Depth to Water (ft BTOC)	Top of Casing Elevation (ft amsl)	Ground Elevation (ft amsl)	Groundwater Elevation (ft amsl)
LF4-MW1	14-Mar-00	20.50	739.79	737.13	719.29
	15-Jun-01	15.00			724.79
	19-Nov-01	21.00			718.79
	8-Jan-02	22.22			717.57
	4-Jun-02	15.13			724.66
	3-Oct-02	21.91			717.88
	24-Mar-03	8.02			731.77
	16-Jun-03	10.00			729.79
	15-Sep-03	14.15			725.64
LF4-MW2	14-Mar-00	27.80	738.50	738.50	710.70
	30-Aug-00	25.80			712.70
	15-Jun-01	19.34			719.16
	19-Nov-01	24.87			713.63
	8-Jan-02	23.96			714.54
	4-Jun-02	11.48			727.02
	3-Oct-02	22.90			715.60
	24-Mar-03	14.45			724.05
	16-Jun-03	16.94			721.56
15-Sep-03	20.48	718.02			
LF4-MW3	14-Mar-00	12.60	739.78	739.78	727.18
	30-Aug-00	19.08			720.70
	15-Jun-01	12.92			726.86
	19-Nov-01	18.73			721.05
	8-Jan-02	13.68			726.10
	4-Jun-02	13.78			726.00
	4-Oct-02	13.56			726.22
	24-Mar-03	11.62			728.16
	16-Jun-03	12.61			727.17
15-Sep-03	15.14	724.64			
LF4-MW4	14-Mar-00	8.45	743.35	743.35	734.90
	30-Aug-00	13.81			729.54
	15-Jun-01	6.59			736.76
	19-Nov-01	12.46			730.89
	8-Jan-02	9.98			733.37
	4-Jun-02	8.71			734.64
	4-Oct-02	10.05			733.30
	24-Mar-03	4.67			738.68
	16-Jun-03	5.58			737.77
15-Sep-03	8.58	734.77			

Table 3-3

**Groundwater Elevations  
Landfill No. 3, Parcel 80(6) and Vicinity  
Fort McClellan, Calhoun County, Alabama**

(Page 10 of 12)

Well Location	Date	Depth to Water (ft BTOC)	Top of Casing Elevation (ft amsl)	Ground Elevation (ft amsl)	Groundwater Elevation (ft amsl)
LF4-MW5	14-Mar-00	12.27	753.32	753.32	741.05
	15-Jun-01	11.90			741.42
	19-Nov-01	34.52			718.80
	8-Jan-02	13.22			740.10
	4-Jun-02	12.38			740.94
	3-Oct-02	19.89			733.43
	24-Mar-03	10.25			743.07
	16-Jun-03	10.50			742.82
	15-Sep-03	12.82			740.50
GSBP-155-MW01	14-Mar-00	36.19	742.38	740.44	706.19
	29-Aug-00	42.10			700.28
	13-Jun-01	33.96			708.42
	19-Nov-01	40.69			701.69
	7-Jan-02	40.94			701.44
	5-Jun-02	34.32			708.06
	3-Oct-02	40.82			701.56
	24-Mar-03	25.98			716.40
	16-Jun-03	27.87			714.51
15-Sep-03	32.54	709.84			
GSBP-155-MW02	14-Mar-00	38.86	742.98	740.84	704.12
	29-Aug-00	39.80			703.18
	13-Jun-01	30.55			712.43
	19-Nov-01	38.17			704.81
	7-Jan-02	38.60			704.38
	5-Jun-02	31.07			711.91
	3-Oct-02	38.58			704.40
	24-Mar-03	22.25			720.73
	16-Jun-03	24.42			718.56
15-Sep-03	29.39	713.59			
GSBP-155-MW03	14-Mar-00	41.10	742.16	740.22	701.06
	29-Aug-00	43.10			699.06
	13-Jun-01	34.58			707.58
	19-Nov-01	41.98			700.18
	7-Jan-02	43.13			699.03
	5-Jun-02	34.68			707.48
	3-Oct-02	42.93			699.23
	24-Mar-03	25.49			716.67
	16-Jun-03	26.48			715.68
15-Sep-03	31.71	710.45			

Table 3-3

**Groundwater Elevations  
Landfill No. 3, Parcel 80(6) and Vicinity  
Fort McClellan, Calhoun County, Alabama**

(Page 11 of 12)

Well Location	Date	Depth to Water (ft BTOC)	Top of Casing Elevation (ft amsl)	Ground Elevation (ft amsl)	Groundwater Elevation (ft amsl)
PPMP-229-GP01	1-Apr-99	10.64	740.46	740.70	729.82
	13-Mar-00	19.77			720.69
	29-Aug-00	20.99			719.47
	13-Jun-01	NR			NA
	19-Nov-01	20.95			719.51
	7-Jan-02	21.01			719.45
	5-Jun-02	14.11			726.35
	3-Oct-02	21.07			719.39
	24-Mar-03	9.91			730.55
	16-Jun-03	12.25			728.21
16-Sep-03	16.42	724.04			
PPMP-229-GP02	1-Apr-99	15.88	742.55	741.52	726.67
	13-Mar-00	24.40			718.15
	29-Aug-00	28.15			714.40
	14-Jun-01	18.10			724.45
	19-Nov-01	25.90			716.65
	7-Jan-02	26.32			716.23
	5-Jun-02	18.77			723.78
	3-Oct-02	26.64			715.91
	24-Mar-03	13.42			729.13
	16-Jun-03	15.56			726.99
16-Sep-03	19.40	723.15			
PPMP-229-GP03	13-Mar-00	16.83	746.82	744.30	729.99
	29-Aug-00	27.87			718.95
	14-Jun-01	15.11			731.71
	19-Nov-01	25.15			721.67
	7-Jan-02	20.11			726.71
	5-Jun-02	16.87			729.95
	3-Oct-02	19.89			726.93
	24-Mar-03	13.44			733.38
	16-Jun-03	15.29			731.53
16-Sep-03	18.45	728.37			
PPMP-229-GP04	13-Mar-00	11.28	745.50	743.79	734.22
	29-Aug-00	25.30			720.20
	14-Jun-01	10.15			735.35
	19-Nov-01	DRY			NA
	7-Jan-02	16.85			728.65
	5-Jun-02	13.37			732.13
	3-Oct-02	15.49			730.01
	24-Mar-03	7.35			738.15
	16-Jun-03	9.13			736.37
16-Sep-03	15.47	730.03			

Table 3-3

**Groundwater Elevations  
Landfill No. 3, Parcel 80(6) and Vicinity  
Fort McClellan, Calhoun County, Alabama**

(Page 12 of 12)

Well Location	Date	Depth to Water (ft BTOC)	Top of Casing Elevation (ft amsl)	Ground Elevation (ft amsl)	Groundwater Elevation (ft amsl)
PPMP-229-GP05	13-Mar-00	21.55	746.59	743.91	725.04
	29-Aug-00	21.36			725.23
	14-Jun-01	13.15			733.44
	19-Nov-01	DRY			NA
	7-Jan-02	DRY			NA
	5-Jun-02	15.43			731.16
	3-Oct-02	DRY			NA
	24-Mar-03	8.50			738.09
	16-Jun-03	9.37			737.22
16-Sep-03	15.47	731.12			
PPMP-229-GP07	13-Mar-00	21.95	744.04	741.37	722.09
	29-Aug-00	30.15			713.89
	14-Jun-01	8.89			735.15
	19-Nov-01	26.35			717.69
	7-Jan-02	24.23			719.81
	5-Jun-02	12.14			731.90
	3-Oct-02	17.19			726.85
	24-Mar-03	6.10			737.94
	16-Jun-03	8.23			735.81
16-Sep-03	11.52	732.52			

Elevations are referenced to the North American Vertical Datum of 1988 (NAVD88).

amsl - Above mean sea level.

BTOC - Below top of casing.

DRY - Well was dry at time of water level reading.

ft - Feet.

NA - Not available.

NR - Not recorded, well could not be located.

Table 3-4

**Groundwater Sample Designations and Analytical Parameters  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

(Page 1 of 9)

Well Location	Sample Designation	QA/QC Samples		Analytical Parameters
		Field Duplicates	MS/MSD	
LOWERY	LOWERY-GW-PE3038-REG			Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	LOWERY-GW-PE3179-REG		LOWERY-GW-PE3179-MS/MSD	VOCs
MEDDERS	MEDDERS-GW-PE3039-REG			Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
WALDROP	WALDROP-GW-XQ3025-REG			VOCs
WEAVER#2	WEAVER#2-GW-PE3042-REG			Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	WEAVER#2-GW-PE3044-REG			VOCs
	WEAVER#2-GW-PE3099-REG			
	WEAVER#2-GW-PE3118-REG			
	WEAVER#2-GW-PE3175-REG			
	WEAVER#2-GW-PE3201-REG			
WEAVER#2-GW-PE3232-REG				
WEAVER#3	WEAVER#3-GW-PE3043-REG			Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	WEAVER#3-GW-PE3045-REG			VOCs
	WEAVER#3-GW-PE3100-REG			
	WEAVER#3-GW-PE3119-REG			
	WEAVER#3-GW-PE3176-REG	WEAVER#3-GW-PE3177-FD		
	WEAVER#3-GW-PE3202-REG			
WEAVER#3-GW-PE3233-REG				
LF4-MW01	LF3-MW1-94-GW-A-0034-REG			Metals, VOCs, SVOCs, Pesticides/PCBs, and Explosives
	LF4-MW1-GW-PE3021-REG		LF4-MW1-GW-PE3021-MS/MSD	Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	LF4-MW1-GW-PE3089-REG			VOCs
	LF4-MW1-GW-PE3174-REG			

Table 3-4

**Groundwater Sample Designations and Analytical Parameters  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

(Page 2 of 9)

Well Location	Sample Designation	QA/QC Samples		Analytical Parameters
		Field Duplicates	MS/MSD	
OLF-G01	LF3-OLF#1-GW-A-0012-REG			Metals, VOCs, SVOCs, Pesticides/PCBs, and Explosives
	OLF-G01-GW-PE3001-REG			Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	OLF-G01-GW-PE3057-REG			VOCs
	OLF-G01-GW-PE3124-REG			
OLF-G02	LF3-OLF#2-GW-A-0013-REG			Metals, VOCs, SVOCs, Pesticides/PCBs, and Explosives
	OLF-G02-GW-PE3002-REG	OLF-G02-GW-PE3003-FD		Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	OLF-G02-GW-PE3058-REG			VOCs
	OLF-G02-GW-PE3125-REG			
OLF-G03	LF3-OLF#3-GW-A-0014-REG	LF3-OLF#3-GW-A-0015-FD		Metals, VOCs, SVOCs, Pesticides/PCBs, and Explosives
	OLF-G03-GW-PE3004-REG			Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	OLF-G03-GW-PE3059-REG	OLF-G03-GW-PE3060-FD		VOCs
	OLF-G03-GW-PE3126-REG			
OLF-G04	LF3-OLF#4-GW-A-0017-REG			Metals, VOCs, SVOCs, Pesticides/PCBs, and Explosives
	OLF-G04-GW-PE3005-REG			Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	OLF-G04-GW-PE3061-REG			VOCs
	OLF-G04-GW-PE3127-REG	OLF-G04-GW-PE3128-FD		
OLF-G05	LF3-OLF#5-GW-A-0018-REG			Metals, VOCs, SVOCs, Pesticides/PCBs, and Explosives
	OLF-G05-GW-PE3006-REG			Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	OLF-G05-GW-PE3062-REG			VOCs
	OLF-G05-GW-PE3129-REG			

Table 3-4

**Groundwater Sample Designations and Analytical Parameters  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

(Page 3 of 9)

Well Location	Sample Designation	QA/QC Samples		Analytical Parameters
		Field Duplicates	MS/MSD	
OLF-G06	OLF-G06-GW-PE3130-REG		OLF-G06-GW-PE3130-MS/MSD	VOCs
OLF-G07	LF3-OLF#7-GW-A-0020-REG	LF3-OLF#7-GW-A-0021-FD		Metals, VOCs, SVOCs, Pesticides/PCBs, and Explosives
	OLF-G07-GW-PE3008-REG	OLF-G07-GW-PE3011-FD		Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	OLF-G07-GW-PE3046-REG		OLF-G07-GW-PE3046-MS/MSD	VOCs
	OLF-G07-GW-PE3064-REG		OLF-G07-GW-PE3064-MS/MSD	
	OLF-G07-GW-PE3131-REG			
	OLF-G07-GW-RS3001-REG			VOCs, Metals
OLF-G08	LF3-OLF#8-GW-A-0023-REG			Metals, VOCs, SVOCs, Pesticides/PCBs, and Explosives
	OLF-G08-GW-PE3009-REG			Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	OLF-G08-GW-PE3065-REG			VOCs
	OLF-G08-GW-PE3132-REG			
OLF-G09	LF3-OLF#9-GW-A-0024-REG			Metals, VOCs, SVOCs, Pesticides/PCBs, and Explosives
	OLF-G09-GW-PE3010-REG			Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	OLF-G09-GW-PE3066-REG			VOCs
	OLF-G09-GW-PE3133-REG			
OLF-G10	LF3-OLF#10-GW-A-0025-REG		LF3-OLF#10-A-0025-MS/MSD	Metals, VOCs, SVOCs, Pesticides/PCBs, and Explosives
	OLF-G10-GW-PE3012-REG			Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	OLF-G10-GW-PE3067-REG			VOCs
	OLF-G10-GW-PE3134-REG			

Table 3-4

**Groundwater Sample Designations and Analytical Parameters  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

(Page 4 of 9)

Well Location	Sample Designation	QA/QC Samples		Analytical Parameters
		Field Duplicates	MS/MSD	
OLF-G11	LF3-OLF#11-GW-A-0026-REG			Metals, VOCs, SVOCs, Pesticides/PCBs, and Explosives
	OLF-G11-GW-PE3013-REG			Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	OLF-G11-GW-PE3068-REG OLF-G11-GW-PE3135-REG			VOCs
OLF-G12	LF3-OLF#12-GW-A-0027-REG			Metals, VOCs, SVOCs, Pesticides/PCBs, and Explosives
	OLF-G12-GW-PE3014-REG			Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	OLF-G12-GW-PE3047-REG	OLF-G12-GW-PE3048-FD		VOCs
	OLF-G12-GW-PE3069-REG			
	OLF-G12-GW-PE3120-REG		OLF-G12-GW-PE3120-MS/MSD	
	OLF-G12-GW-PE3136-REG			
	OLF-G12-GW-PE3180-REG		OLF-G12-GW-PE3180-MS/MSD	
OLF-G12-GW-PE3234-REG	OLF-G12-GW-PE3235-FD			
OLF-G13	LF3-OLF#13-GW-A-0028-REG			Metals, VOCs, SVOCs, Pesticides/PCBs, and Explosives
OLF-G15	LF3-OLF#15-GW-A-0029-REG			Metals, VOCs, SVOCs, Pesticides/PCBs, and Explosives
	OLF-G15-GW-PE3015-REG		OLF-G15-GW-PE3015-MS/MSD	Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	OLF-G15-GW-PE3072-REG OLF-G15-GW-PE3137-REG		OLF-G15-GW-PE3072-MS/MSD	VOCs
OLF-G17	LF3-OLF#17-GW-A-0031-REG			Metals, VOCs, SVOCs, Pesticides/PCBs, and Explosives
	OLF-G17-GW-PE3017-REG	OLF-G17-GW-PE3018-FD		Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	OLF-G17-GW-PE3074-REG OLF-G17-GW-PE3139-REG		OLF-G17-GW-PE3139-MS/MSD	VOCs

Table 3-4

**Groundwater Sample Designations and Analytical Parameters  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

(Page 5 of 9)

Well Location	Sample Designation	QA/QC Samples		Analytical Parameters
		Field Duplicates	MS/MSD	
OLF-G18	LF3-OLF#18-GW-A-0032-REG			Metals, VOCs, SVOCs, Pesticides/PCBs, and Explosives
	OLF-G18-GW-PE3019-REG			Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	OLF-G18-GW-PE3075-REG			VOCs
	OLF-G18-GW-PE3140-REG			
OLF-G19	LF3-OLF#19-GW-A-0033-REG			Metals, VOCs, SVOCs, Pesticides/PCBs, and Explosives
	OLF-G19-GW-PE3020-REG			Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	OLF-G19-GW-PE3076-REG			VOCs
	OLF-G19-GW-PE3141-REG	OLF-G19-GW-PE3142-FD		
OLF-G20	OLF-G20-GW-PE3022-REG			Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	OLF-G20-GW-PE3049-REG			
	OLF-G20-GW-PE3049R-REG			
	OLF-G20-GW-PE3077-REG			VOCs
	OLF-G20-GW-PE3122-REG			
	OLF-G20-GW-PE3143-REG			
	OLF-G20-GW-PE3181-REG	OLF-G20-GW-PE3182-FD		
OLF-G20-GW-PE3236-REG	OLF-G20-GW-PE3237-FD			
OLF-G21	OLF-G21-GW-PE3023-REG			Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	OLF-G21-GW-PE3078-REG			
	OLF-G21-GW-PE3123-REG			
	OLF-G21-GW-PE3144-REG			VOCs
	OLF-G21-GW-PE3183-REG			
	OLF-G21-GW-PE3204-REG			

Table 3-4

Groundwater Sample Designations and Analytical Parameters  
 Landfill No. 3, Parcel 80(6)  
 Fort McClellan, Calhoun County, Alabama

(Page 6 of 9)

Well Location	Sample Designation	QA/QC Samples		Analytical Parameters
		Field Duplicates	MS/MSD	
OLF-G22	OLF-G22-GW-PE3024-REG			Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	OLF-G22-GW-PE3050-REG			VOCs
	OLF-G22-GW-PE3079-REG			
	OLF-G22-GW-PE3121-REG			
	OLF-G22-GW-PE3145-REG			
	OLF-G22-GW-PE3184-REG			
OLF-G22-GW-PE3205-REG				
OLF-G23	OLF-G23-GW-PE3025-REG			Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	OLF-G23-GW-PE3051-REG			VOCs
	OLF-G23-GW-PE3080-REG	OLF-G23-GW-PE3081-FD		
	OLF-G23-GW-PE3101-REG	OLF-G23-GW-PE3102-FD		
	OLF-G23-GW-PE3146-REG			
	OLF-G23-GW-PE3185-REG			
OLF-G23-GW-PE3206-REG				
OLF-G24	OLF-G24-GW-PE3026-REG			Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	OLF-G24-GW-PE3052-REG			VOCs
	OLF-G24-GW-PE3082-REG			
	OLF-G24-GW-PE3103-REG			
	OLF-G24-GW-PE3147-REG			
	OLF-G24-GW-PE3186-REG			
OLF-G24-GW-PE3207-REG				
OLF-G25	OLF-G25-GW-PE3027-REG	OLF-G25-GW-PE3028-FD		Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	OLF-G25-GW-PE3053-REG			VOCs
	OLF-G25-GW-PE3083-REG			
	OLF-G25-GW-PE3104-REG			
	OLF-G25-GW-PE3148-REG			
	OLF-G25-GW-PE3187-REG			
OLF-G25-GW-PE3208-REG				

Table 3-4

**Groundwater Sample Designations and Analytical Parameters  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

(Page 7 of 9)

Well Location	Sample Designation	QA/QC Samples		Analytical Parameters
		Field Duplicates	MS/MSD	
OLF-G26	OLF-G26-GW-PE3029-REG			Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	OLF-G26-GW-PE3054-REG			VOCs
	OLF-G26-GW-PE3084-REG	OLF-G26-GW-PE3085-FD		
	OLF-G26-GW-PE3149-REG			
OLF-G27	OLF-G27-GW-PE3030-REG			Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	OLF-G27-GW-PE3030R-REG			VOCs
	OLF-G27-GW-PE3055-REG			
	OLF-G27-GW-PE3086-REG			
	OLF-G27-GW-PE3105-REG			
	OLF-G27-GW-PE3150-REG	OLF-G27-GW-PE3151-FD		
	OLF-G27-GW-PE3188-REG			
OLF-G27-GW-PE3209-REG				
OLF-G28	OLF-G28-GW-PE3031-REG			Metals, VOCs, SVOCs, Pesticides, Explosives, Alkalinity, Chloride, Phosphate, Sulfate, Nitrate, TDS
	OLF-G28-GW-PE3056-REG			VOCs
	OLF-G28-GW-PE3087-REG			
	OLF-G28-GW-PE3106-REG			
	OLF-G28-GW-PE3152-REG			
	OLF-G28-GW-PE3189-REG			
	OLF-G28-GW-PE3210-REG			
OLF-G29	OLF-G29-GW-PE3088-REG			
	OLF-G29-GW-PE3107-REG			
	OLF-G29-GW-PE3153-REG			
	OLF-G29-GW-PE3190-REG			
	OLF-G29-GW-PE3211-REG	OLF-G29-GW-PE3212-FD		
OLF-G30	OLF-G30-GW-PE3090-REG			VOCs
	OLF-G30-GW-PE3108-REG			
	OLF-G30-GW-PE3154-REG			
	OLF-G30-GW-PE3191-REG	OLF-G30-GW-PE3192-FD		
	OLF-G30-GW-PE3213-REG			

Table 3-4

Groundwater Sample Designations and Analytical Parameters  
 Landfill No. 3, Parcel 80(6)  
 Fort McClellan, Calhoun County, Alabama

(Page 8 of 9)

Well Location	Sample Designation	QA/QC Samples		Analytical Parameters
		Field Duplicates	MS/MSD	
OLF-G31	OLF-G31-GW-PE3091-REG			VOCs
	OLF-G31-GW-PE3109-REG			
	OLF-G31-GW-PE3155-REG			
	OLF-G31-GW-PE3193-REG			
	OLF-G31-GW-PE3214-REG			
OLF-G32	OLF-G32-GW-PE3092-REG			VOCs
	OLF-G32-GW-PE3110-REG			
	OLF-G32-GW-PE3156-REG			
	OLF-G32-GW-PE3194-REG			
	OLF-G32-GW-PE3215-REG			
OLF-G33	OLF-G33-GW-PE3093-REG			VOCs
	OLF-G33-GW-PE3111-REG	OLF-G33-GW-PE3112-FD		
	OLF-G33-GW-PE3157-REG			
	OLF-G33-GW-PE3195-REG			
	OLF-G33-GW-PE3216-REG			
OLF-G34	OLF-G34-GW-PE3094-REG			VOCs
	OLF-G34-GW-PE3113-REG			
	OLF-G34-GW-PE3158-REG			
	OLF-G34-GW-PE3196-REG			
	OLF-G34-GW-PE3217-REG			
OLF-G35	OLF-G35-GW-PE3095-REG			VOCs
	OLF-G35-GW-PE3114-REG			
	OLF-G35-GW-PE3159-REG			
	OLF-G35-GW-PE3197-REG			
	OLF-G35-GW-PE3218-REG			
OLF-G36	OLF-G36-GW-PE3096-REG		OLF-G36-GW-PE3096-MS/MSD	VOCs
	OLF-G36-GW-PE3115-REG			
	OLF-G36-GW-PE3160-REG			
	OLF-G36-GW-PE3198-REG			
	OLF-G36-GW-PE3219-REG			
OLF-G37	OLF-G37-GW-PE3097-REG			VOCs
	OLF-G37-GW-PE3116-REG			
	OLF-G37-GW-PE3161-REG			
	OLF-G37-GW-PE3199-REG			
	OLF-G37-GW-PE3220-REG			
OLF-G38	OLF-G38-GW-PE3098-REG			VOCs
	OLF-G38-GW-PE3117-REG			
	OLF-G38-GW-PE3162-REG	OLF-G38-GW-PE3163-FD		
	OLF-G38-GW-PE3200-REG			
	OLF-G38-GW-PE3221-REG			

Table 3-4

**Groundwater Sample Designations and Analytical Parameters  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

(Page 9 of 9)

Well Location	Sample Designation	QA/QC Samples		Analytical Parameters
		Field Duplicates	MS/MSD	
OLF-G39	OLF-G39-GW-PE3164-REG			VOCs
	OLF-G38-GW-PE3222-REG			
OLF-G40	OLF-G40-GW-PE3165-REG			VOCs
	OLF-G40-GW-PE3223-REG			
OLF-G41	OLF-G41-GW-PE3166-REG		OLF-G41-GW-PE3224-MS/MSD	VOCs
	OLF-G41-GW-PE3224-REG			
OLF-G42	OLF-G42-GW-PE3167-REG			VOCs
	OLF-G42-GW-PE3225-REG			
OLF-G43	OLF-G43-GW-PE3168-REG			VOCs
	OLF-G43-GW-PE3226-REG			
OLF-G44	OLF-G44-GW-PE3169-REG		OLF-G44-GW-PE3227-MS/MSD	VOCs
	OLF-G44-GW-PE3227-REG			
OLF-G45	OLF-G45-GW-PE3170-REG			VOCs
	OLF-G45-GW-PE3228-REG			
OLF-G46	OLF-G46-GW-PE3171-REG			VOCs
	OLF-G46-GW-PE3229-REG			
OLF-G47	OLF-G47-GW-PE3172-REG			VOCs
	OLF-G47-GW-PE3230-REG			
OLF-G48	OLF-G48-GW-PE3173-REG			VOCs
	OLF-G48-GW-PE3231-REG			

FD - Field duplicate.

GW - Groundwater.

MS/MSD - Matrix spike/matrix spike duplicate.

PCB - Polychlorinated biphenyl.

QA/QC - Quality assurance/quality control.

REG - Regular field sample.

SVOC - Semivolatile organic compound.

TDS - Total dissolved solids.

VOC - Volatile organic compound.

Table 3-5

**Groundwater Field Parameters  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

(Page 1 of 7)

Sample Location	Sample Date	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Temperature (°C)	Turbidity (NTU)	pH (SU)
OLF-G01	15-Feb-98	0.037	7.20	223.7	15.2	26.5	5.07
	6-Jun-01	0.036	3.01	335	19.62	7.1	4.96
	12-Apr-02	0.033	2.17	346	16.37	3.2	4.99
	20-May-03	0.034	1.27	131.4	16.35	3.45	4.46
OLF-G02	16-Feb-98	0.082	10.42	NA	15.6	52.3	6.31
	5-Jun-01	0.212	1.84	211	18.41	5.34	5.19
	10-Apr-02	0.166	2.52	241	19.10	19.9	5.26
	28-Apr-03	0.514	0.15	24.4	16.62	0.85	5.67
OLF-G03	16-Feb-98	0.050	9.16	109.0	15.7	61.4	6.03
	5-Jun-01	0.306	0.00	274	17.97	8.7	5.44
	17-May-02	0.281	3.64	85	21.33	13.2	5.43
	29-Apr-03	0.215	6.71	240.3	17.60	14	4.33
OLF-G04	13-Feb-98	0.093	9.89	293.1	15.5	35.6	5.16
	8-Jun-01	0.107	0.00	102	25.75	1.2	5.42
	20-May-02	0.081	1.34	192	17.15	0.9	5.14
	5-May-03	0.084	2.52	257.3	19.97	14	4.58
OLF-G05	14-Feb-98	0.101	9.62	250.6	16.3	3.28	5.28
	30-May-01	0.090	3.19	242	18.40	10.3	5.15
	1-May-02	0.710	5.59	274	23.44	1.9	5.34
	12-May-03	0.098	6.70	114.9	21.22	9.03	4.95
OLF-G06	9-May-03	0.020	10.85	178.8	22.51	82.4	4.86
OLF-G07	14-Feb-98	0.254	9.62	208.2	16.4	30.6	5.82
	30-May-01	0.217	1.01	257	20.02	0.8	5.84
	9-Jan-02	0.209	1.18	343	16.47	7.4	5.49
	24-May-02	0.193	2.03	251	17.69	1.15	5.91
	2-Jul-02	0.124	1.92	246	20.16	5.4	4.74
	19-May-03	0.185	19.44*	201.2	20.59	0.3	5.37
OLF-G08	14-Feb-98	0.134	9.25	228.5	15.4	1045	5.51
	31-May-01	0.164	3.40	299	19.60	9.8	5.34
	2-May-02	0.106	3.96	224	27.14	1.5	5.56
	13-May-03	0.102	6.12	110.8	19.75	7.72	5.36
OLF-G09	13-Feb-98	0.015	9.32	252.2	16.1	17.0	5.10
	31-May-01	0.058	8.72	327	16.90	26.1	5.07
	1-May-02	0.018	6.50	282	18.73	19	5.40
	30-Apr-03	0.016	10.61	247.2	18.29	8.1	4.63

Table 3-5

**Groundwater Field Parameters  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

(Page 2 of 7)

Sample Location	Sample Date	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Temperature (°C)	Turbidity (NTU)	pH (SU)
OLF-G10	16-Feb-98	0.103	9.77	218.0	16.0	40.2	6.06
	4-Jun-01	0.117	5.79	292	26.83	10	6.01
	11-Apr-02	0.146	6.11	409	17.70	3	6.21
	28-Apr-03	0.071	4.17	264.8	17.62	18	5.30
OLF-G11	18-Feb-98	0.083	10.92	179.8	13.9	136	5.54
	24-May-01	0.052	6.55	386	18.76	3.29	4.02
	11-Apr-02	0.044	6.36	427	18.30	5.8	5.25
	29-Apr-03	0.045	3.92	282.4	19.38	1.4	4.62
OLF-G12	15-Feb-98	0.149	10.11	272.1	17.2	0.58	5.34
	1-Jun-01	0.143	4.53	419	19.10	4	5.09
	16-Jan-02	0.111	5.53	300	17.70	3.2	4.95
	24-May-02	0.108	6.97	243	19.31	1.4	5.31
	23-Sep-02	0.094	4.16	269	20.07	6.1	5.35
	31-Mar-03	0.151	5.06	357.2	19.43	2.8	5.15
	17-May-03	0.114	17.37*	196.4	19.42	0.6	4.78
	10-Oct-03	0.094	6.58	372.3	20.40	1.5	3.85
OLF-G13	17-Feb-98	0.110	10.02	242.5	14.5	1400	5.02
OLF-G15	13-Feb-98	0.025	9.78	280.6	15.9	171	5.29
	29-May-01	0.032	7.71	281	19.27	5.7	4.85
	7-May-02	0.024	5.21	260	18.14	35.8	5.29
	2-May-03	0.027	3.38	213.1	18.65	30	4.53
OLF-G17	14-Feb-98	0.113	10.20	212.1	16.0	68.7	6.58
	5-Jun-01	0.215	0.67	322	20.09	9.7	6.23
	29-Apr-02	0.166	2.09	179	23.95	13.8	6.26
	14-May-03	0.175	2.59	46.3	16.87	1.75	5.83
OLF-G18	15-Feb-98	0.087	9.52	193.9	16.7	115	5.26
	2-Jun-01	0.074	6.38	305	19.97	1	4.80
	7-May-02	0.059	2.65	311	21.62	9.6	4.42
	13-May-03	0.171	5.25	184	22.17	6.3	4.71
OLF-G19	15-Feb-98	0.085	11.00	222.8	17.2	144	5.47
	4-Jun-01	0.078	2.55	122	19.31	6.2	5.29
	6-May-02	0.076	1.21	170	21.26	4.6	5.05
	12-May-03	0.102	1.62	124.1	23.23	10	4.85

Table 3-5

**Groundwater Field Parameters  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

(Page 3 of 7)

Sample Location	Sample Date	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Temperature (°C)	Turbidity (NTU)	pH (SU)
OLF-G20	17-Aug-01	0.712	10.92	-110	20.05	8.5	7.41
	21-Jan-02	0.785	3.50	-189	18.73	1	7.44
	7-Mar-02	7.670**	0.21	-217	19.90	1	7.13
	23-May-02	0.536	0.32	-179	19.67	0.9	7.25
	24-Sep-02	0.483	0.00	-169	18.79	0.5	7.33
	28-Mar-03	0.829	0.91	-135.8	19.47	0	6.93
	16-May-03	0.656	0.91	-83.6	19.72	1.1	6.09
	9-Oct-03	0.665	0.09	-96.1	19.15	0	7.06
OLF-G21	16-Jul-01	0.496	0.00	-206	23.10	1	7.60
	8-May-02	0.363	4.99	-120	22.25	3.9	4.97
	1-Oct-02	0.354	0.10	-171	20.32	0.8	7.38
	20-Mar-03	0.498	0.29	-109.5	20.73	1.1	7.06
	14-May-03	1.102	0.09	-161.1	21.77	3.5	7.27
	6-Oct-03	0.521	5.41	-15.2	21.13	4.08	7.30
OLF-G22	13-Jul-01	0.322	0.62	-132	19.20	0.1	6.45
	17-Jan-02	0.358	3.09	-9	19.38	0.6	6.34
	23-May-02	0.325	2.96	30	19.02	2.3	6.50
	30-Sep-02	0.223	1.78	182	18.51	0.3	6.47
	31-Mar-03	0.337	2.78	131	18.62	1.15	6.18
	19-May-03	0.308	25.79*	73.9	18.52	0.3	5.83
	9-Oct-03	0.346	3.24	116.1	18.60	4.27	6.15
OLF-G23	17-Jul-01	0.257	2.20	87	19.30	1.7	6.14
	21-Jan-02	0.291	2.65	300	18.00	3.1	5.60
	22-May-02	0.260	3.98	158	18.24	1.4	6.17
	23-Sep-02	0.180	2.26	204	18.22	0	6.08
	31-Mar-03	0.313	2.26	193.1	18.41	0	5.78
	16-May-03	0.251	24.10*	194.3	20.11	0.5	5.07
	9-Oct-03	0.246	2.74	286	18.72	0.4	3.96
	1-Aug-01	0.070	3.79	96	25.95	2.3	5.66
OLF-G24	17-Jan-02	0.137	3.33	115	17.70	3	5.67
	29-May-02	0.058	2.59	85	19.35	3.9	5.10
	19-Sep-02	0.059	5.62	226	19.45	5	5.62
	25-Mar-03	0.067	4.09	129.9	25.31	14	5.48
	15-May-03	0.070	13.96*	132.5	22.11	18.9	5.04
	6-Oct-03	0.044	5.01	219.8	20.45	12.4	5.14

Table 3-5

**Groundwater Field Parameters  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

(Page 4 of 7)

Sample Location	Sample Date	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Temperature (°C)	Turbidity (NTU)	pH (SU)
OLF-G25	14-Aug-01	0.251	5.93	37	20.40	1.1	5.97
	10-Jan-02	0.245	2.88	152	18.35	0.4	5.95
	13-May-02	0.202	5.77	146	18.54	0.95	6.06
	18-Sep-02	0.165	5.01	237	18.24	0	6.05
	17-Mar-03	0.219	9.01	344.2	18.31	1.18	5.77
	15-May-03	0.264	24.91*	150	18.79	4.2	5.35
	26-Sep-03	0.223	5.70	179.9	19.69	0	5.72
OLF-G26	7-Aug-01	0.347	2.12	64	22.10	3.1	5.89
	15-Jan-02	0.234	5.38	90	18.00	2.9	5.26
	16-May-02	0.187	8.05	116	22.37	7.5	5.64
	12-May-03	0.222	5.71	123	21.36	4	5.17
OLF-G27	20-Jun-01	0.322	6.20	117	19.83	9.8	8.04
	10-Sep-01	0.267	9.10	131	20.32	0.5	8.20
	15-Jan-02	0.293	6.64	186	18.00	0.3	7.92
	31-May-02	0.223	6.46	20	18.67	0.9	7.47
	10-Sep-02	0.212	6.35	195	17.87	0	7.92
	13-Mar-03	0.262	11.86*	190.9	19.22	0.84	7.72
	8-May-03	0.284	6.68	82.8	18.24	2.6	7.54
23-Sep-03	0.268	5.75	61.3	18.38	0.63	7.83	
OLF-G28	21-Jun-01	0.259	0.00	-237	23.50	4.1	7.87
	16-Jan-02	0.382	3.62	200	19.14	0.2	7.75
	8-May-02	0.230	7.78	114	19.38	8.7	7.29
	11-Sep-02	0.258	7.53	201	18.04	0.4	7.65
	12-Mar-03	0.231	9.22	138	18.98	9.01	7.02
	7-May-03	0.262	8.45	171	18.20	6	6.74
	23-Sep-03	0.304	5.89	75.8	18.01	1.51	7.19
OLF-G29	22-May-02	0.240	6.70	265	18.09	0.93	7.87
	5-Sep-02	0.250	6.56	31	18.45	1.1	8.26
	19-Mar-03	0.313	7.56	91.1	17.76	1.6	7.52
	24-Apr-03	0.299	6.12	166.3	20.56	1.7	7.65
	29-Sep-03	0.324	8.92	59.9	18.23	0.08	7.81
OLF-G30	21-May-02	0.285	6.59	134	18.12	1.2	7.84
	4-Sep-02	0.253	6.01	28	19.70	4.9	7.62
	25-Mar-03	0.340	4.02	76.3	18.89	4.29	7.59
	23-Apr-03	0.381	8.51	174	18.81	11	7.37
	29-Sep-03	0.339	8.47	62.6	18.71	2.3	7.69

Table 3-5

**Groundwater Field Parameters  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

(Page 5 of 7)

Sample Location	Sample Date	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Temperature (°C)	Turbidity (NTU)	pH (SU)
OLF-G31	15-May-02	0.204	5.71	75	20.93	2.2	8.09
	10-Sep-02	0.211	5.20	178	23.91	13.3	8.02
	21-Mar-03	0.289	6.89	44.7	23.25	11	8.06
	25-Apr-03	0.244	7.23	-7.7	20.02	2.2	7.80
	26-Sep-03	0.260	4.82	20.3	21.07	3.1	7.94
OLF-G32	17-May-02	0.342	4.83	180	23.56	154	8.05
	6-Sep-02	0.201	5.57	25	21.48	17.5	7.98
	20-Mar-03	0.290	7.32	58.7	19.84	19.1	8.31
	24-Apr-03	0.294	6.75	4.7	13.74	10	7.88
	30-Sep-03	0.321	4.33	64.7	20.50	17	8.13
OLF-G33	14-May-02	0.329	5.48	178	19.67	3.1	6.80
	19-Sep-02	0.227	3.58	229	19.24	0.8	6.66
	28-Mar-03	0.311	4.20	121.3	19.70	1.2	6.25
	17-May-03	0.268	3.68	228.7	18.99	4.9	6.33
	9-Oct-03	0.355	4.43	113.9	18.90	1.59	6.61
OLF-G34	15-May-02	0.428	6.52	126	19.17	1.2	6.83
	16-Sep-02	0.255	3.65	176	18.18	0.9	6.76
	27-Mar-03	0.381	5.14	140.1	18.64	1.1	6.35
	19-May-03	0.333	3.66	208.9	18.76	5.1	6.32
	8-Oct-03	0.376	3.83	132.2	19.49	1.13	6.56
OLF-G35	13-May-02	0.479	3.34	133	18.53	11.8	7.31
	17-Sep-02	0.288	2.45	112	18.72	9.8	7.34
	26-Mar-03	0.479	2.98	14.1	20.24	18	7.14
	15-May-03	0.511	8.74	16.9	18.42	4.5	6.61
	8-Oct-03	0.446	1.95	25.1	18.37	1.63	7.22
OLF-G36	28-May-02	0.354	1.99	42	18.57	8.2	7.57
	13-Sep-02	0.286	0.66	-21	18.69	0.6	7.35
	26-Mar-03	0.469	6.29	-6.4	18.45	1.45	7.34
	17-May-03	0.418	5.94	-25.9	17.65	2.7	6.80
	7-Oct-03	0.472	1.67	-113.9	18.48	2.84	7.44
OLF-G37	14-May-02	0.356	0.79	-29	19.45	1.2	7.85
	4-Sep-02	0.308	5.03	109	18.69	7.4	7.70
	14-Mar-03	0.528	1.21	490	20.16	7.9	7.66
	14-May-03	0.575	2.38	-72.8	19.24	2	7.50
	2-Oct-03	0.447	0.37	-17.3	20.78	15.7	7.69

Table 3-5

**Groundwater Field Parameters  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

(Page 6 of 7)

Sample Location	Sample Date	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Temperature (°C)	Turbidity (NTU)	pH (SU)
OLF-G38	31-May-02	0.270	4.80	47	22.15	35.2	7.85
	12-Sep-02	0.263	4.41	133	17.89	18.7	7.78
	14-Mar-03	0.324	7.80	202.1	19.95	607	7.41
	15-May-03	0.360	4.28	-18.1	18.47	9.91	7.43
	8-Oct-03	0.302	3.34	32.5	20.49	35	7.93
OLF-G39	1-May-03	0.458	0.87	16.4	18.35	1.6	7.18
	17-Sep-03	0.458	0.99	6.8	18.48	3.69	7.25
OLF-G40	7-May-03	0.575	0.08	-97.6	17.64	0.95	6.71
	18-Sep-03	0.547	0.10	-90.7	17.77	1.2	6.94
OLF-G41	30-Apr-03	0.521	0.08	-103.1	19.09	0.13	6.84
	25-Sep-03	0.558	1.28	-66.4	17.70	0	7.25
OLF-G42	6-May-03	0.451	0.10	-118.7	19.62	0.6	7.14
	18-Sep-03	0.443	0.09	-77.8	19.30	4.74	7.44
OLF-G43	24-Jun-03	0.209	5.57	61.4	20.90	2.2	6.77
	23-Sep-03	0.223	5.85	90.8	18.81	1.01	6.52
OLF-G44	20-Jun-03	0.323	2.78	-11.1	19.76	2.5	7.53
	23-Sep-03	0.334	5.55	38.3	19.50	5.5	7.63
OLF-G45	6-May-03	0.359	4.44	-36.1	17.81	0.61	7.50
	17-Sep-03	0.307	5.16	49.2	16.70	3.22	7.51
OLF-G46	6-May-03	0.359	5.30	-44.2	16.83	0.41	7.70
	17-Sep-03	0.303	7.25	51.8	17.46	1.9	7.67
OLF-G48	23-Jun-03	0.303	2.86	-2.2	19.33	0.9	7.56
	30-Sep-03	0.343	4.90	54	18.66	2.34	7.59
LOWERY	27-Jun-01	0.042	2.37	199	20.73	4.88	5.19
	30-May-03	0.042	7.76	219.3	19.22	1.99	4.81
MEDDERS	16-May-01	0.163	NA	302	25.54	33.6	5.91
WALDROP	14-Jul-03	0.051	2.64	84.4	19.66	6.76	5.22
WEAVER#2	15-May-01	0.403	NA	334	20.52	0	5.85
	17-Jan-02	0.358	4.63	285	15.50	2.3	6.62
	29-May-02	NA	NA	NA	NA	NA	NA
	3-Oct-02	0.252	5.90	220	17.63	0.9	7.34
	1-Apr-03	0.319	6.07	234.5	17.16	0.7	7.21
	29-May-03	0.002	10.59	195.6	22.40	0.38	7.20
	1-Oct-03	0.37	5.43	126.5	17.33	0.93	7.32

Table 3-5

**Groundwater Field Parameters  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

(Page 7 of 7)

Sample Location	Sample Date	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)	Temperature (°C)	Turbidity (NTU)	pH (SU)
WEAVER#3	15-May-01	0.398	NA	279	20.11	0	6.20
	17-Jan-02	0.349	5.57	460	15.80	2	6.88
	29-May-02	NA	NA	NA	NA	NA	NA
	3-Oct-02	0.239	6.74	169	17.17	0	7.26
	1-Apr-03	0.309	6.87	246.7	17.20	0	7.21
	29-May-03	0.341	10.14	74.9	17.76	0.2	6.71
	1-Oct-03	0.362	7.40	137.5	17.49	1.09	6.85
LF4-MW1	17-Feb-98	0.162	9.53	140.1	15.4	923	5.52
	8-Jun-01	0.130	3.71	159	17.84	999	5.29
	16-May-02	0.170	0.96	90	17.70	NA	5.42
	9-May-03	0.135	3.95	79.8	16.83	36.5	5.07

\* - Denotes erroneous field readings. Meter was reading in % dissolved oxygen instead of mg/L.

\*\* - Denotes that meter was reading in S/cm instead of mS/cm.

°C - Degrees Celsius.

mg/L - Milligrams per liter.

mS/cm - Millisiemen per centimeter.

mV - Millivolt.

NA - Not available.

NTU - Nephelometric turbidity unit.

ORP - Oxidation-reduction potential.

SU - Standard unit.

**Table 3-6**

**Fill Material Soil Sample Designations and Analytical Parameters  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

Sample Location	Sample Designation	Sample Depth (ft)	QA/QC Samples		Analytical Parameters
			Field Duplicates	MS/MSD	
FA-80-SB01	FA-80-SB01-DS-DD0007-REG	12-14			Metals, VOCs, SVOCs, Pesticides, Herbicides, PCBs, and Explosives
FA-80-SB02	FA-80-SB02-DS-DD0008-REG	14-16			Metals, VOCs, SVOCs, Pesticides, Herbicides, PCBs, and Explosives
FA-80-SB03	FA-80-SB03-DS-DD0009-REG	20-22			Metals, VOCs, SVOCs, Pesticides, Herbicides, PCBs, and Explosives
FA-80-SB04	FA-80-SB04-DS-DD0010-REG	16-18			Metals, VOCs, SVOCs, Pesticides, Herbicides, PCBs, and Explosives
FA-80-SB05	FA-80-SB05-DS-DD0011-REG	8-10			Metals, VOCs, SVOCs, Pesticides, Herbicides, PCBs, and Explosives

DS - Deep (subsurface) soil.

ft - Feet.

MS/MSD - Matrix spike/matrix spike duplicate.

PCB - Polychlorinated biphenyl.

QA/QC - Quality assurance/ quality control.

REG - Regular field sample.

SVOC - Semivolatile organic compound.

VOC - Volatile organic compound.

**Table 3-7**

**Trenching Summary  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

<b>Trench Designation</b>	<b>Trench Length (ft)</b>	<b>Trench Width (ft)</b>	<b>Fill Depth (ft bgs)</b>	<b>Horizontal Extent of Fill Material Encountered</b>	<b>Description of Fill Material</b>
T80-1	60	3	10	0 to 60 ft	Yellowish-orange clay, some silt, plastic sheeting, glass, wood, paper, metal cans, electrical wire, brick, shaving cream bottles/cans, scrap metal, cloth, two 55 gallon drum lids, and beer cans and bottles.
T80-2	88	3	12	0 to 88 ft	Yellowish-orange clay, brick, bottle caps, wood, ash, glass, tin cans, aluminum foil, steel sprocket, plastic sheeting, paper, cloth, newspaper, two metal chairs, coat hangers, food cans, concrete bollard shaped like a bomb, steel sheeting, wire, hoe handle, cardboard, and aerosol cans.
T80-3	117	3	15	0 to 100 ft fill; 100 to 117 ft native material	Yellowish-orange clay, some silt and sand, ash, medical bottle with septum, linoleum flooring, light bulbs, metal spoon, glass jar with glass pipette, animal bones, shoes, cinder blocks, glass bottles, scrap metal, wood, wire, shoes, metal five gallon pail, plastic soap dish, and metal cans.
T80-4	106	10	10	0 to 89 ft fill; 89 to 106 ft native material	Greenish-gray clay, some silt, ash, glass bottles, broken plates, metal, steel rebar, wood, fabric, paper, plastic spoon, metal five gallon pail, nylon fabric, metal containers, concrete rubble, wire grate, plastic pieces, plastic sheeting, building tiles, cinder blocks, bone, wire, and leather shoes.
T80-5	135	3	5	0 to 125 ft fill; 125 to 135 ft native material	Yellowish-orange clay, some silt, glass bottles, steel rebar, concrete rubble, plastic, concrete bollards shaped like bombs, and cinder block.

bgs - Below ground surface.

ft - Feet.

**Table 3-8**

**Fill Material Boring Summary  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

<b>Boring Location</b>	<b>Depth of Fill (ft bgs)</b>	<b>Depth of Boring (ft bgs)</b>	<b>Analytical Sample Interval (ft bgs)</b>	<b>Fill Material Description</b>
FA-80-SB01	6 - 14	14	12 - 14	Yellowish-orange clay, glass, rubber bands, metal, plywood, styrofoam, and plastic.
FA-80-SB02	6 - 15	18	14 - 16	Light brown to yellowish and light brown to olive gray clay, plastic sheeting, glass, sawdust, and wood.
FA-80-SB03	4 - 22	24	20 - 22	Yellowish orange to olive green to greenish gray clay, aluminum foil, paper, gravel, plastic, newspaper, fabric, electrical wire, and glass.
FA-80-SB04	2 - 18	20	16 - 18	Brown to olive green clay, sand, metal, cloth, paper, and glass.
FA-80-SB05	4 - 12	14	8 - 10	Black sand to olive gray coarse sand, silt and glass.

bgs - Below ground surface.  
ft - Feet.

**Table 3-9**

**Variations to the Site-Specific Field Sampling Plans  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

(Page 1 of 2)

Variance to the SFSP	Justification for Variance	Impact to Site Investigation
<p>The Long-Term Monitoring Program for Landfill No. 3 proposed the collection of 19 groundwater samples from existing monitoring wells. However, groundwater samples were not collected from wells OLF-G06 and OLF-G16.</p>	<p>During groundwater sampling activities in February 1998, monitoring wells OLF-G06 and OLF-G16 were dry. Several attempts were made to collect groundwater samples, but all attempts were unsuccessful.</p>	<p>Minimal. The wells that were sampled provided sufficient data to determine the presence of site related contaminants.</p>
<p>The Final Site-Specific Groundwater Monitoring Well Installation and Field Sampling Plan proposed the installation of two residuum monitoring wells and seven bedrock monitoring wells (OLF-G20 through OLF-G28). The wells were to be constructed with a five-foot bentonite seal on top of the filter pack and completed with a bentonite-cement grout from the top of the bentonite seal to ground surface. However, monitoring well OLF-G27 was constructed with a 244-foot bentonite seal from the top of the filter pack to above the residuum-fractured bedrock interface and static groundwater level. Bentonite-cement grout was tremied on top of the bentonite seal to ground surface.</p>	<p>During bedrock coring at monitoring well OLF-G27, numerous fractures and voids were encountered. A decision was made to adjust the well installation procedure because of the severity of fracturing and voids in the bedrock. The bentonite seal was extended above the residuum-bedrock interface and static groundwater level to eliminate the potential of grout migrating through the fractures and altering the groundwater chemistry (namely elevating the pH readings).</p>	<p>Minimal. The wells were constructed to prevent possible altering of the groundwater chemistry.</p>
<p>The Final Site-Specific Groundwater Monitoring Well Installation and Field Sampling Plan proposed the installation of steel outer casing 5 feet into competent bedrock and grouting the outer casing in place using a bentonite-cement grout. The outer casing at monitoring well OLF-G25 was grouted in place 107 feet below ground surface (bgs) prior to reaching competent bedrock.</p>	<p>During the installation of the outer casing at monitoring well OLF-G25, the drill rig was unable to advance the outer casing below 107 feet bgs due to hard mudstone encountered during drilling. A decision was made by the IT Site Manager and the U.S. Army Corps of Engineers to grout the outer casing in place at 107 feet bgs.</p>	<p>Minimal. The well was successfully installed using procedures presented in the SAP.</p>
<p>The Final Site-Specific Groundwater Monitoring Well and Field Sampling Plan proposed residuum monitoring wells OLF-G24, OLF-G26, and OLF-G28 with a sump, approximately 5 feet in length. Residuum monitoring wells OLF-G24 and OLF-G26 were constructed using an end cap and no sump.</p>	<p>During the development of existing monitoring wells OLF-G21, OLF-G22, OLF-G23, OLF-G27, and OLF-G28, no accumulation of sediment was observed in the sump. Therefore, a sump was eliminated during the installation of monitoring wells OLF-G24 and OLF-G26.</p>	<p>None. The wells were installed with sufficient length end caps for sediment accumulation.</p>
<p>The Final Site-Specific Field Sampling Plan proposed the collection of 27 groundwater samples. However, groundwater samples were not collected from existing monitoring wells OLF-G06 and OLF-G16.</p>	<p>During groundwater sampling activities in June 2001, existing monitoring wells OLF-G06 and OLF-G16 were dry. Several attempts were made to collect groundwater samples, but all attempts were unsuccessful. It should be noted that both monitoring wells were dry during subsequent groundwater sampling events.</p>	<p>Minimal. The wells that were sampled provided sufficient data to determine the presence of site-related contaminants.</p>

**Table 3-9**

**Variations to the Site-Specific Field Sampling Plans  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

(Page 2 of 2)

Variance to the SFSP	Justification for Variance	Impact to Site Investigation
<p>The Final Site-Specific Field Sampling Plan (dated January 2002) proposed the collection of 38 groundwater samples. However, two samples were not collected.</p>	<p>Samples were not collected from wells OLF-G06 and OLF-G16 because the wells were dry at the time of sample collection.</p>	<p>Minimal. Several rounds of sampling were completed at numerous other site wells and provided sufficient data to characterize groundwater.</p>
<p>The Final Site-Specific Groundwater Monitoring Well Installation and Field Sampling Plan proposed installation of residuum monitoring well OLF-G26 and bedrock monitoring well OLF-G25 500 feet west of existing well OLF-G08. However, both wells were installed approximately 375 feet west of OLF-G08.</p>	<p>The private property owner requested the installation of both wells on the eastern edge of the property, away from parking and vehicle traffic. Therefore, both wells were installed approximately 375 feet west of OLF-G08.</p>	<p>Minimal. The wells were accurately placed to define the extent of the groundwater contaminant plume and collect groundwater samples to determine the presence of site-related contaminants.</p>
<p>The Final Site-Specific Groundwater Monitoring Well Installation and Field Sampling Plan proposed the installation of residuum monitoring wells OLF-G24, OLF-G26, and OLF-G28 using 6 5/8-inch inside diameter hollow-stem augers. The three wells were installed using a sonic drill rig with a 7 5/8-inch casing and 7 7/8-inch bit.</p>	<p>During drilling operations with a sonic drill rig at adjacent bedrock monitoring well locations, highly weathered mudstone was encountered. This lithology would have prevented the hollow-stem auger drill rig from reaching the groundwater and target depth for the installation of residuum wells. After consultation with the U.S. Army Corps of Engineers, a decision was made to install the three wells using a sonic drill rig.</p>	<p>None. The change in drilling method did not alter the investigation.</p>
<p>The Final Site-Specific Groundwater Monitoring Well Installation and Field Sampling Plan proposed the installation of two residuum monitoring wells and seven bedrock monitoring wells (OLF-G20 through OLF-G28). The wells were to be constructed with a five-foot bentonite seal above the filter pack and completed with a bentonite-cement grout from the top of the bentonite seal to ground surface. However, monitoring well OLF-G28 was constructed using an 88-foot bentonite seal from the top of the filter pack to above the residuum-bedrock interface and static groundwater level. Once the bentonite seal was above residuum-bedrock interface and static groundwater, bentonite-cement grout was used to grout the remaining annular space to ground surface.</p>	<p>During rock coring at adjacent well location OLF-G27 (located approximately 10 feet from OLF-G28), numerous fractures and voids were encountered. Because of the concern of cement grout migrating through fractures and affecting the groundwater pH, a bentonite seal was placed on top of the filter pack to above the top of bedrock and the water table. Bentonite-cement grout was used to grout the remaining annular space from the top of the bentonite seal to ground surface.</p>	<p>Minimal. The wells were constructed to prevent possible altering of the groundwater chemistry.</p>
<p>The Draft Site-Specific Field Sampling Plan proposed the collection of groundwater samples from 47 monitoring wells and two residential wells (Medders and Lowery). Groundwater samples were not collected from monitoring well OLF-G16 and the Medders well.</p>	<p>Groundwater was not present during sampling activities at OLF-G16. Several attempts were made to collect a sample, but OLF-G16 was dry. The Medders wells was not sampled at the request of the property owner.</p>	<p>Minimal. The wells that were sampled provided sufficient data to determine the presence of site-related contaminants.</p>

Table 4-1

**Horizontal Hydraulic Gradients  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

	Upgradient Well or Contour Line	GW Elevation March 24, 2003 (ft above msl)	GW Elevation September 15, 2003 (ft above msl)	Downgradient Well or Transect	GW Elevation March 24, 2003 (ft above msl)	GW Elevation September 15, 2003 (ft above msl)	Distance (ft)	Elevation Difference (ft)	Horizontal Gradient (ft/ft)
<b>Residuum</b>	OLF-G01	731.08		OLF-G12	685.03		268	46.05	0.172
	OLF-G02	735.12		OLF-G26	686.11		732	49.01	0.067
	OLF-G03	727.10		OLF-G040	709.40		633	17.70	0.028
	OLF-G02		728.02	OLF-G26		693.43	732	34.59	0.047
	OLF-G01		725.29	OLF-G12		683.19	268	42.10	0.157
	OLF-G03		723.02	OLF-G04		705.15	633	17.87	0.028
<b>Arithmetic Mean</b>									0.083
<b>Bedrock</b>	OLF-G21	691.60		OLF-G33	676.19		1854	15.41	0.008
	OLF-G25	692.17		OLF-G34	682.73		1610	9.44	0.006
	OLF-G21		691.19	OLF-G25		678.29	266	12.9	0.048
	OLF-G25		678.29	Transect N		670.00	1532	8.29	0.005
Contour 695		695	OLF-G36		683.05	266	11.95	0.045	
<b>Arithmetic Mean</b>									0.022

ft - Feet.  
GW - Groundwater.  
msl - Mean sea level.

Table 4-2

**Vertical Hydraulic Gradients  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

Well Cluster ID	Midpoint of Screen Elev. (ft amsl)	GW Elevation March 2003 (ft amsl)	GW Elevation September 2003 (ft amsl)	dH March 2003 (ft)	dH September 2003 (ft)	dL (ft)	Vertical Gradient (I) March 2003 (ft/ft)	Vertical Gradient (I) September 2003 (ft/ft)
<b>Residuum to Bedrock</b>								
OLF-G07	682.10	698.36	700.65	+6.01		105.03	+0.057	
OLF-G20	577.07	692.35	692.31		+8.35	105.03		+0.08
OLF-G12	665.75	685.03	683.19	+0.1		81.58	+0.001	
OLF-G22	584.17	684.93	682.96		+0.23	81.58		+0.003
OLF-G12	665.75	685.03	683.19	-0.61		170.31	-0.004	
OLF-G36	495.44	685.64	683.05		+0.14	170.31		+0.0008
OLF-G24	656.80	683.62	681.99	-1.26		74.73	-0.017	
OLF-G23	582.07	684.88	682.88		-0.89	74.73		-0.012
OLF-G24	656.80	683.62	681.99	-0.37		165.90	-0.002	
OLF-G35	490.90	683.99	681.70		+0.29	165.90		+0.002
LF4-MW1	709.63	731.77	725.64	+2.14		86.63	+0.025	
OLF-G40	623.00	729.63	722.67		+2.97	86.63		+0.034
<b>Bedrock to Bedrock</b>								
OLF-G22	584.17	684.93	682.96	-0.71		88.73	-0.008	
OLF-G36	495.44	685.64	683.05		-0.09	88.73		-0.001
OLF-G23	582.07	684.88	682.88	+0.89		91.17	+0.009	
OLF-G35	490.90	683.99	681.70		+1.18	91.17		+0.013
OLF-G33	562.76	676.19	673.47	-6.54		78.84	-0.083	
OLF-G34	483.92	682.73	679.58		-6.11	78.84		-0.077
OLF-G47	405.40	NA	659.43	NA	-10.31	82.60	NA	-0.125
OLF-G48	322.60	NA	669.74	NA				

I, Vertical hydraulic gradient = dH / dL , + if downward gradient, - if upward gradient

dH = head shallower well - head deeper well

dL = vertical distance between mid-point screens

amsl - Above mean sea level.

ft - Feet.

GW - Groundwater.

NA - Not available.

Table 5-1

**Discrete Groundwater Screening Sample Results**  
**Landfill No. 3, Parcel 80(6)**  
**Fort McClellan, Calhoun County, Alabama**

(Page 1 of 6)

Location	Sample Interval (feet bgs)	Sample Number	Date Sampled	VOC	Result	Units	LQ
OLF-G39	60 - 75	PE3164A	2/13/2003	Toluene	0.0015	mg/L	
				Trichloroethene	0.00049	mg/L	J
				<b>Total VOCs Detected</b>	<b>0.00199</b>	<b>mg/L</b>	<b>----</b>
OLF-G39	97.4 - 112.4	PE3164B	2/14/2003	cis-1,2-Dichloroethene	0.00082	mg/L	J
				Toluene	0.00036	mg/L	J
				Trichloroethene	0.0007	mg/L	J
				<b>Total VOCs Detected</b>	<b>0.00188</b>	<b>mg/L</b>	<b>----</b>
OLF-G39	121 - 131	PE3164C	2/14/2003	cis-1,2-Dichloroethene	0.0039	mg/L	
				Toluene	0.0014	mg/L	
				trans-1,2-dichloroethene	0.00085	mg/L	J
				Trichloroethene	0.0023	mg/L	J
				Vinyl chloride	0.00072	mg/L	J
				<b>Total VOCs Detected</b>	<b>0.00917</b>	<b>mg/L</b>	<b>----</b>
OLF-G39	149.5 - 164.5	PE3164D	2/17/2003	Chlorobenzene	0.00039	mg/L	J
				cis-1,2-Dichloroethene	0.0062	mg/L	
				Toluene	0.0005	mg/L	J
				trans-1,2-dichloroethene	0.002	mg/L	
				Trichloroethene	0.0035	mg/L	
				Vinyl chloride	0.0038	mg/L	
				<b>Total VOCs Detected</b>	<b>0.01639</b>	<b>mg/L</b>	<b>----</b>
OLF-G39	170 - 185	PE3164E	2/17/2003	cis-1,2-Dichloroethene	0.0015	mg/L	
				Toluene	0.00097	mg/L	J
				trans-1,2-dichloroethene	0.00035	mg/L	J
				Trichloroethene	0.0012	mg/L	
				<b>Total VOCs Detected</b>	<b>0.00402</b>	<b>mg/L</b>	<b>----</b>
OLF-G39	190 - 205	PE3164F	2/18/2003	cis-1,2-Dichloroethene	0.0012	mg/L	
				Toluene	0.011	mg/L	J
				trans-1,2-dichloroethene	0.00038	mg/L	J
				Trichloroethene	0.0012	mg/L	
				Vinyl chloride	0.00078	mg/L	
				<b>Total VOCs Detected</b>	<b>0.01456</b>	<b>mg/L</b>	<b>----</b>
OLF-G39	210 - 225	PE3164G	2/19/2003	2-Butanone	0.00095	mg/L	
				cis-1,2-Dichloroethene	0.0012	mg/L	
				Toluene	0.034	mg/L	J
				trans-1,2-dichloroethene	0.00039	mg/L	J
				Trichloroethene	0.0011	mg/L	
				Vinyl chloride	0.0015	mg/L	
				<b>Total VOCs Detected</b>	<b>0.03914</b>	<b>mg/L</b>	<b>----</b>
OLF-G39	230 - 245	PE3164H	2/19/2003	cis-1,2-Dichloroethene	0.00033	mg/L	J
				Toluene	0.0075	mg/L	
				Trichloroethene	0.00045	mg/L	J
				Vinyl chloride	0.00046	mg/L	J
				<b>Total VOCs Detected</b>	<b>0.00874</b>	<b>mg/L</b>	<b>----</b>

Table 5-1

**Discrete Groundwater Screening Sample Results  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama**

(Page 2 of 6)

Location	Sample Interval (feet bgs)	Sample Number	Date Sampled	VOC	Result	Units	LQ
OLF-G39	255 - 275	PE3164I	2/20/2003	cis-1,2-Dichloroethene	0.0019	mg/L	
				Toluene	0.011	mg/L	
				trans-1,2-dichloroethene	0.00089	mg/L	J
				Trichloroethene	0.0014	mg/L	
				Vinyl chloride	0.0051	mg/L	
				<b>Total VOCs Detected</b>	<b>0.02029</b>	<b>mg/L</b>	<b>----</b>
OLF-G40	59 - 69	PE3165A	1/31/3003	Toluene	0.00036	mg/L	J
				<b>Total VOCs Detected</b>	<b>0.00036</b>	<b>mg/L</b>	<b>----</b>
OLF-G40	80 - 95	PE3165B	2/3/2003	1,1,2,2-Tetrachloroethane	0.00097	mg/L	J
				1,1-Dichloroethene	0.0029	mg/L	
				cis-1,2-Dichloroethene	0.0068	mg/L	
				Toluene	0.0064	mg/L	
				trans-1,2-dichloroethene	0.0029	mg/L	
				Trichloroethene	0.013	mg/L	
				Vinyl chloride	0.00093	mg/L	J
				<b>Total VOCs Detected</b>	<b>0.0339</b>	<b>mg/L</b>	<b>----</b>
OLF-G40	100 - 115	PE3165C	2/4/2003	1,1-Dichloroethene	0.004	mg/L	
				cis-1,2-Dichloroethene	0.0094	mg/L	
				Dichlorodifluoromethane	0.00046	mg/L	J
				Toluene	0.00031	mg/L	J
				trans-1,2-dichloroethene	0.004	mg/L	J
				Trichloroethene	0.017	mg/L	
				Vinyl chloride	0.00097	mg/L	J
				<b>Total VOCs Detected</b>	<b>0.03614</b>	<b>mg/L</b>	<b>----</b>
OLF-G40	120 - 135	PE3165D	2/5/2003	1,1-Dichloroethene	0.00087	mg/L	J
				Chloroform	0.00036	mg/L	J
				cis-1,2-Dichloroethene	0.0025	mg/L	
				Toluene	0.0027	mg/L	
				trans-1,2-dichloroethene	0.00087	mg/L	J
				Trichloroethene	0.0047	mg/L	
				<b>Total VOCs Detected</b>	<b>0.012</b>	<b>mg/L</b>	<b>----</b>
OLF-G40	140 - 155	PE3165E	2/5/2003	1,1-Dichloroethene	0.0024	mg/L	
				cis-1,2-Dichloroethene	0.0064	mg/L	
				Toluene	0.00083	mg/L	J
				trans-1,2-dichloroethene	0.0024	mg/L	
				Trichloroethene	0.0064	mg/L	
				Vinyl chloride	0.0019	mg/L	
				<b>Total VOCs Detected</b>	<b>0.02033</b>	<b>mg/L</b>	<b>----</b>
OLF-G41	35 - 44	PE3166A	1/14/2003	2-Butanone	0.0011	mg/L	J
				2-Hexanone	0.0021	mg/L	J
				Acetone	0.0057	mg/L	J
				Toluene	0.00042	mg/L	J
				<b>Total VOCs Detected</b>	<b>0.00932</b>	<b>mg/L</b>	<b>----</b>

Table 5-1

**Discrete Groundwater Screening Sample Results**  
**Landfill No. 3, Parcel 80(6)**  
**Fort McClellan, Calhoun County, Alabama**

(Page 3 of 6)

Location	Sample Interval (feet bgs)	Sample Number	Date Sampled	VOC	Result	Units	LQ
OLF-G41	55 - 75	PE3166B	1/16/2003	Trichloroethene	0.059	mg/L	
				<b>Total VOCs Detected</b>	<b>0.059</b>	<b>mg/L</b>	----
OLF-G41	75 - 93	PE3166C	1/17/2003	Acetone	0.0019	mg/L	J
				Toluene	0.00041	mg/L	J
				Trichloroethene	0.0054	mg/L	
				<b>Total VOCs Detected</b>	<b>0.00771</b>	<b>mg/L</b>	----
OLF-G41	95 - 115	PE3166D	1/20/2003	Acetone	0.0069	mg/L	J
				Toluene	0.0037	mg/L	
				<b>Total VOCs Detected</b>	<b>0.0106</b>	<b>mg/L</b>	----
OLF-G41	115 - 135	PE3166E	1/21/2003	Acetone	0.0042	mg/L	J
				Toluene	0.00054	mg/L	J
				<b>Total VOCs Detected</b>	<b>0.00474</b>	<b>mg/L</b>	----
OLF-G41	178.5 - 195	PE3166G	1/23/2003	Toluene	0.00067	mg/L	J
				<b>Total VOCs Detected</b>	<b>0.00067</b>	<b>mg/L</b>	----
OLF-G41	198.5 - 211	PE3166H	1/27/2003	Acetone	0.011	mg/L	
				Carbon disulfide	0.00032	mg/L	J
				Toluene	0.0068	mg/L	
				<b>Total VOCs Detected</b>	<b>0.01812</b>	<b>mg/L</b>	----
OLF-G44	43.8 - 63.8	PE3169A	5/14/2003	Toluene	0.0062	mg/L	
				<b>Total VOCs Detected</b>	<b>0.0062</b>	<b>mg/L</b>	----
OLF-G44	87 - 102	PE3169B	5/15/2003	Chloroform	0.0025	mg/L	
				Toluene	0.00073	mg/L	J
				Trichloroethene	0.0015	mg/L	
				<b>Total VOCs Detected</b>	<b>0.00473</b>	<b>mg/L</b>	----
OLF-G44	105 - 125	PE3169C	5/15/2003	Chloroform	0.0023	mg/L	
				Toluene	0.27	mg/L	D
				Trichloroethene	0.0015	mg/L	
				<b>Total VOCs Detected</b>	<b>0.2738</b>	<b>mg/L</b>	----
OLF-G44	125 - 145	PE3169D	5/16/2003	Acetone	0.0025	mg/L	J
				Chloroform	0.0026	mg/L	
				Toluene	0.05	mg/L	E
				Methylene chloride	0.00058	mg/L	JB
				Trichloroethene	0.00078	mg/L	J
				<b>Total VOCs Detected</b>	<b>0.05646</b>	<b>mg/L</b>	----
OLF-G44	146 - 165	PE3169E	5/19/2003	Toluene	0.0018	mg/L	
				<b>Total VOCs Detected</b>	<b>0.0018</b>	<b>mg/L</b>	----
OLF-G44	171.5 - 186.5	PE3169F	5/20/2003	Toluene	0.0019	mg/L	
				<b>Total VOCs Detected</b>	<b>0.0019</b>	<b>mg/L</b>	----
OLF-G44	189.5 - 204.5	PE3169G	5/21/2003	Chloroform	0.00057	mg/L	J
				Toluene	0.0061	mg/L	
				Trichloroethene	0.00066	mg/L	J
				<b>Total VOCs Detected</b>	<b>0.00733</b>	<b>mg/L</b>	J

Table 5-1

**Discrete Groundwater Screening Sample Results**  
**Landfill No. 3, Parcel 80(6)**  
**Fort McClellan, Calhoun County, Alabama**

(Page 4 of 6)

Location	Sample Interval (feet bgs)	Sample Number	Date Sampled	VOC	Result	Units	LQ
OLF-G44	208 - 225	PE3169H	5/21/2003	Trichloroethene	0.00044	mg/L	J
				<b>Total VOCs Detected</b>	<b>0.00044</b>	<b>mg/L</b>	
OLF-G44	228 - 239.5	PE3169I	5/21/2003	Toluene	0.0027	mg/L	
				Trichloroethene	0.00041	mg/L	J
				<b>Total VOCs Detected</b>	<b>0.00311</b>	<b>mg/L</b>	----
OLF-G44	248 - 265	PE3169J	5/22/2003	Toluene	0.0004	mg/L	J
				<b>Total VOCs Detected</b>	<b>0.0004</b>	<b>mg/L</b>	----
OLF-G44	267 - 285	PE3169K	5/22/2003	Chloroform	0.00092	mg/L	J
				Dibromochloromethane	0.00031	mg/L	J
				Toluene	0.00047	mg/L	J
				Trichloroethene	0.00075	mg/L	J
				<b>Total VOCs Detected</b>	<b>0.00245</b>	<b>mg/L</b>	----
OLF-G44	287 - 295	PE3169L	5/22/2003	Bromodichloromethane	0.00038	mg/L	J
				Chloroform	0.00076	mg/L	J
				Trichloroethene	0.00062	mg/L	J
				<b>Total VOCs Detected</b>	<b>0.00176</b>	<b>mg/L</b>	----
OLF-G46	25 - 45	PE3171A	2/25/2003	<b>Total VOCs Detected</b>	<b>ND</b>	<b>mg/L</b>	----
OLF-G46	50 - 60	PE3171B	2/25/2003	Toluene	0.0013	mg/L	
				<b>Total VOCs Detected</b>	<b>0.0013</b>	<b>mg/L</b>	----
OLF-G46	70 - 80	PE3171C	2/26/2003	Toluene	0.00066	mg/L	J
				<b>Total VOCs Detected</b>	<b>0.00066</b>	<b>mg/L</b>	----
OLF-G46	90 - 105	PE3171D	2/26/2003	Toluene	0.0064	mg/L	
				<b>Total VOCs Detected</b>	<b>0.0064</b>	<b>mg/L</b>	----
OLF-G46	110 - 125	PE3171E	2/26/2003	Toluene	0.0034	mg/L	
				<b>Total VOCs Detected</b>	<b>0.0034</b>	<b>mg/L</b>	----
OLF-G46	135 - 145	PE3171F	2/27/2003	4-Methyl-2-pentanone	0.0011	mg/L	
				Ethylbenzene	0.0009	mg/L	J
				m/p-Xylenes	0.0033	mg/L	
				o-Xylene	0.00055	mg/L	J
				Toluene	0.017	mg/L	
<b>Total VOCs Detected</b>	<b>0.02285</b>	<b>mg/L</b>	----				
OLF-G46	150 - 165	PE3171G	2/28/2003	Benzene	0.00031	mg/L	J
				Chloromethane	0.00083	mg/L	J
				m/p-Xylenes	0.00094	mg/L	J
				Toluene	0.013	mg/L	
<b>Total VOCs Detected</b>	<b>0.01508</b>	<b>mg/L</b>	----				
OLF-G46	163 - 185	PE3171H	3/6/2003	cis-1,2-Dichloroethene	0.00038	mg/L	J
				Toluene	0.0006	mg/L	J
				Trichloroethene	0.0004	mg/L	J
<b>Total VOCs Detected</b>	<b>0.00138</b>	<b>mg/L</b>	----				
OLF-G46	183 - 205	PE3171I	3/7/2003	Toluene	0.0004	mg/L	
				<b>Total VOCs Detected</b>	<b>0.0004</b>	<b>mg/L</b>	----
OLF-G46	203 - 225	PE3171J	3/10/2003	<b>Total VOCs Detected</b>	<b>ND</b>	<b>mg/L</b>	----

Table 5-1

**Discrete Groundwater Screening Sample Results**  
**Landfill No. 3, Parcel 80(6)**  
**Fort McClellan, Calhoun County, Alabama**

(Page 5 of 6)

Location	Sample Interval (feet bgs)	Sample Number	Date Sampled	VOC	Result	Units	LQ
OLF-G46	230 - 250	PE3171K	3/11/2003	Chlorobenzene	0.0014	mg/L	
				Chloroform	0.00033	mg/L	J
				Toluene	0.0022	mg/L	
				Trichloroethene	0.00063	mg/L	J
				<b>Total VOCs Detected</b>	<b>0.00456</b>	<b>mg/L</b>	<b>----</b>
OLF-G46	235 - 250	PE3171L	3/12/2003	Toluene	0.00038	mg/L	J
				<b>Total VOCs Detected</b>	<b>0.00038</b>	<b>mg/L</b>	<b>----</b>
OLF-G48	87.5 - 102	PE3173A	3/21/2003	Acetone	0.0016	mg/L	J
				Toluene	0.0029	mg/L	
				<b>Total VOCs Detected</b>	<b>0.0045</b>	<b>mg/L</b>	<b>----</b>
OLF-G48	122.5 - 142.5	PE3173B	3/27/2003	Toluene	0.0061	mg/L	
				<b>Total VOCs Detected</b>	<b>0.0061</b>	<b>mg/L</b>	<b>----</b>
OLF-G48	143 - 163	PE3173C	3/28/2003	2-Butanone	0.0038	mg/L	J
				2-Hexanone	0.0012	mg/L	J
				Toluene	0.015	mg/L	
				<b>Total VOCs Detected</b>	<b>0.02</b>	<b>mg/L</b>	<b>----</b>
OLF-G48	163 - 183	PE3173D	4/1/2003	Toluene	0.005	mg/L	
				<b>Total VOCs Detected</b>	<b>0.005</b>	<b>mg/L</b>	<b>----</b>
OLF-G48	204 - 224	PE3173E	4/3/2003	Chloroform	0.00061	mg/L	J
				Toluene	0.00091	mg/L	J
				Trichloroethene	0.00085	mg/L	J
				<b>Total VOCs Detected</b>	<b>0.00237</b>	<b>mg/L</b>	<b>----</b>
OLF-G48	243 - 253	PE3173F	4/4/2003	cis-1,2-Dichloroethene	0.00086	mg/L	J
				Toluene	0.011	mg/L	
				Trichloroethene	0.0034	mg/L	
				<b>Total VOCs Detected</b>	<b>0.01526</b>	<b>mg/L</b>	<b>----</b>
OLF-G48	251 - 271	PE3173G	4/7/2003	1,1,2,2-Tetrachloroethane	0.00041	mg/L	J
				cis-1,2-Dichloroethene	0.0023	mg/L	
				Toluene	0.0013	mg/L	
				trans-1,2-dichloroethene	0.00043	mg/L	J
				Trichloroethene	0.0093	mg/L	
				<b>Total VOCs Detected</b>	<b>0.01374</b>	<b>mg/L</b>	<b>----</b>
OLF-G48	271 - 286	PE3173H	4/8/2003	1,1,2,2-Tetrachloroethane	0.00089	mg/L	J
				cis-1,2-Dichloroethene	0.0036	mg/L	
				Toluene	0.00063	mg/L	J
				trans-1,2-dichloroethene	0.00075	mg/L	J
				Trichloroethene	0.017	mg/L	
				<b>Total VOCs Detected</b>	<b>0.02287</b>	<b>mg/L</b>	<b>----</b>

Table 5-1

**Discrete Groundwater Screening Sample Results**  
**Landfill No. 3, Parcel 80(6)**  
**Fort McClellan, Calhoun County, Alabama**

(Page 6 of 6)

Location	Sample Interval (feet bgs)	Sample Number	Date Sampled	VOC	Result	Units	LQ
OLF-G48	293 - 303	PE3173I	4/10/2003	1,1,2,2-Tetrachloroethane	0.00098	mg/L	J
				cis-1,2-Dichloroethene	0.0031	mg/L	
				Toluene	0.00062	mg/L	J
				trans-1,2-dichloroethene	0.00059	mg/L	J
				Trichloroethene	0.016	mg/L	
				<b>Total VOCs Detected</b>	<b>0.02129</b>	<b>mg/L</b>	<b>----</b>
OLF-G48	303 - 313	PE3173J	4/11/2003	1,1,2,2-Tetrachloroethane	0.0017	mg/L	
				cis-1,2-Dichloroethene	0.0038	mg/L	
				Toluene	0.00039	mg/L	J
				trans-1,2-dichloroethene	0.00069	mg/L	J
				Trichloroethene	0.018	mg/L	
				<b>Total VOCs Detected</b>	<b>0.02458</b>	<b>mg/L</b>	<b>----</b>
OLF-G48	327 - 345	PE3173K	4/17/2003	1,1,2,2-Tetrachloroethane	0.00044	mg/L	J
				cis-1,2-Dichloroethene	0.0018	mg/L	
				Toluene	0.0028	mg/L	
				trans-1,2-dichloroethene	0.00032	mg/L	J
				Trichloroethene	0.0073	mg/L	
				<b>Total VOCs Detected</b>	<b>0.01266</b>	<b>mg/L</b>	<b>----</b>
OLF-G48	345 - 365	PE3173L	4/22/2003	1,1,2,2-Tetrachloroethane	0.001	mg/L	
				cis-1,2-Dichloroethene	0.0027	mg/L	
				m/p-Xylenes	0.0006	mg/L	J
				Toluene	0.0028	mg/L	
				trans-1,2-dichloroethene	0.00043	mg/L	J
				Trichloroethene	0.012	mg/L	
				<b>Total VOCs Detected</b>	<b>0.01953</b>	<b>mg/L</b>	<b>----</b>
OLF-G48	365 - 385	PE3173M	4/23/2003	Chloroform	0.0004	mg/L	J
				cis-1,2-Dichloroethene	0.00031	mg/L	J
				Toluene	0.078	mg/L	
				Trichloroethene	0.0013	mg/L	
				<b>Total VOCs Detected</b>	<b>0.08001</b>	<b>mg/L</b>	<b>----</b>
OLF-G48	385 - 405	PE3173N	4/23/2003	Chloroform	0.00035	mg/L	J
				cis-1,2-Dichloroethene	0.00037	mg/L	J
				Toluene	0.021	mg/L	
				Trichloroethene	0.0017	mg/L	
				<b>Total VOCs Detected</b>	<b>0.02342</b>	<b>mg/L</b>	<b>----</b>

Note: Data shown for all detected VOCs.  
bgs - below ground surface.  
VOC - volatile organic compound.

LQ - laboratory data qualifier.  
mg/L - milligrams per liter.

- J - Compound was positively identified; reported value is an estimated concentration.
- B - Analyte detected in laboratory blank at concentration greater than the reporting limit (and greater than zero).
- D - Reported result is from a dilution of the original sample.
- E - Result exceeds calibration range; reported value is an estimated concentration.

Table 5-2

**Groundwater Analytical Results**  
**Landfill No. 3, Parcel 80(6)**  
**Fort McClellan, Calhoun County, Alabama**

(Page 1 of 115)

Parcel Sample Location Sample Number Sample Date				FA-80 LF4-MW1 A-0034 17-Feb-98				FA-80 LF4-MW1 PE3021 8-Jun-01				FA-80 LF4-MW1 PE3089 16-May-02				FA-80 LF4-MW1 PE3174 9-May-03			
Parameter	Units	BKG <sup>a</sup>	SSSL <sup>b</sup>	Result	VQ	>BKG	>SSSL	Result	VQ	>BKG	>SSSL	Result	VQ	>BKG	>SSSL	Result	VQ	>BKG	>SSSL
<b>METALS</b>																			
Aluminum	mg/L	2.34E+00	1.56E+00	1.19E+01		YES	YES	2.33E+00	J		YES	NR				NR			
Antimony	mg/L	3.19E-03	6.26E-04	ND				ND				NR				NR			
Barium	mg/L	1.27E-01	1.10E-01	ND				7.12E-02	J			NR				NR			
Beryllium	mg/L	1.25E-03	3.13E-03	ND				8.20E-04	J			NR				NR			
Calcium	mg/L	5.65E+01	NA	ND				4.10E+00	J			NR				NR			
Chromium	mg/L	NA	4.69E-03	1.95E-02			YES	1.50E-03	J			NR				NR			
Cobalt	mg/L	2.34E-02	9.39E-02	ND				3.01E-02	J	YES		NR				NR			
Copper	mg/L	2.55E-02	6.26E-02	4.06E-02		YES		7.50E-03	J			NR				NR			
Iron	mg/L	7.04E+00	4.69E-01	2.83E+01		YES	YES	5.92E+00			YES	NR				NR			
Lead	mg/L	8.00E-03	1.50E-02	2.68E-02		YES	YES	5.80E-03				NR				NR			
Magnesium	mg/L	2.13E+01	NA	6.26E+00				2.21E+00	J			NR				NR			
Manganese	mg/L	5.81E-01	7.35E-02	3.22E+00		YES	YES	1.83E+00		YES	YES	NR				NR			
Mercury	mg/L	NA	4.69E-04	ND				ND				NR				NR			
Nickel	mg/L	NA	3.13E-02	4.19E-02			YES	1.68E-02	J			NR				NR			
Potassium	mg/L	7.20E+00	NA	9.45E+00		YES		2.99E+00	J			NR				NR			
Selenium	mg/L	NA	7.82E-03	ND				ND				NR				NR			
Silver	mg/L	4.00E-03	7.82E-03	ND				ND				NR				NR			
Sodium	mg/L	1.48E+01	NA	1.10E+01				1.41E+01				NR				NR			
Thallium	mg/L	1.46E-03	1.02E-04	ND				ND				NR				NR			
Vanadium	mg/L	1.70E-02	1.10E-02	ND				3.70E-03	J			NR				NR			
Zinc	mg/L	2.20E-01	4.69E-01	1.51E-01				4.98E-02				NR				NR			
<b>VOLATILE ORGANIC COMPOUNDS</b>																			
1,1,2,2-Tetrachloroethane	mg/L	NA	2.04E-04	ND				ND				ND				ND			
1,1,2-Trichloroethane	mg/L	NA	7.16E-04	ND				ND				ND				ND			
1,1-Dichloroethane	mg/L	NA	1.54E-01	ND				ND				ND				ND			
1,1-Dichloroethene	mg/L	NA	9.36E-05	ND				ND				ND				ND			
1,2,3-Trichlorobenzene	mg/L	NA	1.32E-03	NA				1.80E-04	B			ND				ND			
1,2-Dichloroethane	mg/L	NA	4.48E-04	ND				ND				ND				ND			
1,2-Dichloroethene (Total)	mg/L	NA	1.39E-02	ND				NA				NA				NA			
1,2-Dichloropropane	mg/L	NA	9.85E-04	ND				ND				ND				ND			
1,2-Dimethylbenzene	mg/L	NA	2.80E+00	NA				ND				ND				ND			
1,4-Dichlorobenzene	mg/L	NA	1.76E-03	NA				ND				ND				ND			
2-Butanone	mg/L	NA	7.14E-01	ND				ND				ND				ND			
Acetone	mg/L	NA	1.56E-01	ND				2.80E-03	B			ND				ND			
Benzene	mg/L	NA	1.41E-03	ND				ND				ND				ND			

Table 5-2

Groundwater Analytical Results  
Landfill No. 3, Parcel 80(6)  
Fort McClellan, Calhoun County, Alabama

(Page 2 of 115)

Parcel Sample Location Sample Number Sample Date				FA-80 LF4-MW1 A-0034 17-Feb-98				FA-80 LF4-MW1 PE3021 8-Jun-01				FA-80 LF4-MW1 PE3089 16-May-02				FA-80 LF4-MW1 PE3174 9-May-03			
Parameter	Units	BKG <sup>a</sup>	SSSL <sup>b</sup>	Result	VQ	>BKG	>SSSL	Result	VQ	>BKG	>SSSL	Result	VQ	>BKG	>SSSL	Result	VQ	>BKG	>SSSL
<b>VOLATILE ORGANIC COMPOUNDS (continued)</b>																			
Bromodichloromethane	mg/L	NA	1.08E-03	ND				ND				ND				ND			
Bromomethane	mg/L	NA	2.18E-03	ND				3.00E-04	B			ND				ND			
Carbon disulfide	mg/L	NA	1.51E-01	ND				ND				ND				ND			
Carbon tetrachloride	mg/L	NA	4.08E-04	ND				ND				ND				ND			
Chlorobenzene	mg/L	NA	1.62E-02	ND				ND				ND				ND			
Chloroethane	mg/L	NA	1.41E-02	ND				ND				ND				ND			
Chloroform	mg/L	NA	1.15E-03	ND				ND				ND				ND			
Chloromethane	mg/L	NA	3.93E-03	ND				3.60E-04	B			ND				ND			
Cis-1,2-Dichloroethene	mg/L	NA	1.55E-02	NA				ND				ND				ND			
Dibromochloromethane	mg/L	NA	7.92E-04	ND				ND				ND				ND			
Dichlorodifluoromethane	mg/L	NA	1.62E-01	NA				ND				ND				ND			
Methylene chloride	mg/L	NA	7.85E-03	ND				ND				ND				ND			
Tetrachloroethene	mg/L	NA	1.26E-03	ND				ND				ND				ND			
Toluene	mg/L	NA	2.59E-01	ND				ND				ND				ND			
Trans-1,2-Dichloroethene	mg/L	NA	3.07E-02	NA				ND				ND				ND			
Trichloroethene	mg/L	NA	4.51E-03	ND				ND				ND				ND			
Vinyl chloride	mg/L	NA	3.20E-05	ND				ND				ND				ND			
Xylene, Total	mg/L	NA	2.80E+00	ND				NA				NA				NA			
<b>SEMIVOLATILE ORGANIC COMPOUNDS</b>																			
4-Chloroaniline	mg/L	NA	6.20E-03	2.40E-03	J			ND				NR				NR			
Bis(2-Ethylhexyl)phthalate	mg/L	NA	4.31E-03	ND				ND				NR				NR			
Di-n-butyl phthalate	mg/L	NA	1.48E-01	8.10E-03	J			ND				NR				NR			
Diethyl phthalate	mg/L	NA	1.23E+00	ND				ND				NR				NR			
<b>PESTICIDES</b>																			
4,4'-DDT	mg/L	NA	1.09E-04	NR				ND				NR				NR			
Heptachlor epoxide	mg/L	NA	6.60E-06	NR				ND				NR				NR			
beta-BHC	mg/L	NA	3.61E-05	NR				ND				NR				NR			
<b>PESTICIDES/PCBs</b>																			
beta-BHC	mg/L	NA	3.61E-05	ND				NR				NR				NR			
<b>EXPLOSIVES</b>																			
1,3-Dinitrobenzene	mg/L	NA	1.56E-04	ND				ND				NR				NR			