ARK 1452

LEAD-BASED PAINT RISK ASSESSMENT

FOR THE

DEFENSE DISTRIBUTION DEPOT
MEMPHIS, TENNESSEE

December 1995
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File 13987-10

Barge
Waggoner
Sumner and
Cannon

Engineers, Architects, Planners,
Landscape Architects, and Surveyors

LEAD-BASED PAINT RISK ASSESSMENT
FOR THE
DEFENSE DISTRIBUTION DEPOT
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TABLE OF CONTENTS

		PAGE NO.
I.	INTRODUCTION	1
	A. LEAD-BASED PAINT HAZARDS, A BRIEF HISTORY	1
	B. HUD AND LBP GUIDELINES	2
	C. FORMAT OF REPORT	2
II.	XRF TESTING	3
	A. INTRODUCTION	3
	B. FIELD SAMPLING, EQUIPMENT AND METHODS	3
	C. CONCLUSION	4
III.	METHODOLOGY AND RESULTS	4
	A. INTRODUCTION	4
	B. SAMPLING REGIMEN AND PROCEDURES	4
	C. SAMPLING PROCEDURES	5
	D. LEVELS OF HAZARD FOR VARIOUS RISK ASSESSMENT SAMPLES	6
	E. SUMMARY OF RESULTS	7
	F. DETAILED RESULTS	7
	G. CONCLUSION	9
IV.	LEAD HAZARD CONTROL STRATEGIES	10
	A. INTRODUCTION	10
	B. LEAD HAZARD CONTROL ACTION	10
	C. ALTERNATE LEAD HAZARD CONTROL ACTION	13
V.	SUMMARY	14

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LIST OF APPENDICES

TABLE 1 LISTING OF RESULTS FOR LEAD-BASED PAINT

TABLE 2 SUMMARY LISTING OF ADDRESSES CONTAINING LEAD-BASED PAINT HAZARDS, NATURE AND EXTENT OF THESE HAZARDS

APPENDICES

A SUMMARY OF XRF TESTING RESULTS AND TESTING LOCATIONS
B UNIT INSPECTION/DATA ENTRY FORMS
C WIPE, SOIL AND PAINT CHIP SAMPLE LOCATIONS
D SUMMARY OF ANALYTICAL RESULTS
E WATER ANALYTICAL RESULTS

LEAD-BASED PAINT RISK ASSESSMENT
FOR THE
DEFENSE DISTRIBUTION DEPOT
Memphis, Tennessee

I. INTRODUCTION

A Lead-Based Paint Risk Assessment was conducted at Defense Distribution Depot (DOD), Memphis, Tennessee, by Barge, Waggoner, Sumner and Cannon, Inc. (BWS&C). The Independent Agencies Appropriation Act, 1992 (the Appropriation Act), provides funds for housing authorities to assess the risk of lead-based paint (LBP) poisoning. The basic premise of the process was XRF testing and the collection of dust and soil samples to determine where and how much, if any, lead is present in the housing environment. Once the hazards are identified, the Memphis Depot can focus it's attention on controlling and eliminating lead hazards.

Lead poisoning occurs when there is an excessive amount of lead in the body. Lead poisoning can affect anyone, but children under seven are at the greatest risk. Lead poisoning can cause a number of health and mental conditions, especially in children under the age of seven. Also, lead poisoning can cross the placenta and damage an unborn child. It cannot be spread from person to person. It can only occur when there is contact with lead.

Children may be exposed to lead by inhaling and ingesting lead dust. Lead dust is created when LBP surfaces are scraped, rubbed, or exposed to the elements. Paint chips are produced by prolonged exposure to moisture which causes the paint to peel. Children may collect the dust and chips on their hands, toys, and pacifiers. Lead is then introduced into their bodies when they place these objects into their mouths.

A. Lead-Based Paint Hazards, A Brief History

Lead has been identified as a health hazard since ancient times. Unfortunately, the merits of lead overwhelmed the health hazard and the use of lead proliferated. Lead was used to produce vessels, lead pipes, lead batteries, lead shot, lead solder, gasoline additives, etc., and lead-based paint. Red lead or white lead oxide-based paint products became the preferred paint choice for damp and exterior environments of industrial and residential use.

Lead poisoning of children is a relatively recent phenomenon. It is only with the urbanization of the United States, within the last century, that paint came into widespread use by ordinary consumers. The U.S. Public Health Service recognized the health threat from LBP in the 1960s, but the "Lead-Based Paint Poisoning Prevention Act" was not signed into law until January 13, 1971. Despite these warnings of health risks, lead-based paint may have been available for residential use up to 1978.

B. HUD and LBP Guidelines

From 1971 to 1986, HUD's guidance for LBP poisoning prevention included prohibiting the use of LBP, advising residents that occupied pre-1970 constructed units of the possibility of lead poisoning from paint, and advising on paint maintenance regarding chipping and peeling paint.

Significant HUD regulations and guidelines addressing LBP hazard identification and abatement are as follows:

- Lead-Based Paint Hazard Elimination in Public and Indian Housing, final rule, August 1, 1986;
- Lead-Based Paint Hazard Elimination in Public and Indian Housing, final rule, January 15, 1987;
- Lead-Based Paint Hazard Elimination in Public and Indian Housing, final rule, June 6, 1988;
- Lead-Based Paint: Interim Guidelines for Hazard Identification and Abatement for Public and Indian Housing, April 1990; and
- Lead-Based Paint: Interim Guidelines for Hazard Identification and Abatement for Public and Indian Housing, September 1990.

There have been dramatic changes since 1986 in the areas of LBP, including health hazard identification, LBP testing procedures, LBP abatement techniques and procedures, workman protection, resident protection, environmental protection, and clearance testing. LBP testing and abatement procedures that were mandated or allowed by HUD in 1987 may not conform to the criteria of the current Interim LBP Guidelines. For example, the flaking and peeling paint on fascias and soffits may have been merely covered with vinyl or aluminum in 1987, and this abatement method would have met the then current LBP criteria. Lead dust may continue to be released at joints and other openings or may be spontaneously and unknowingly released by workmen if the aluminum or vinyl covering is removed or disturbed; current criteria, however, would mandate removal of loose LBP, applying a bridging encapsulant on remaining LBP, identifying surfaces as LBP, and then covering with aluminum or vinyl, with a final wipe test and analysis to confirm that appropriate protection and cleanup procedures were used.

Although terminology has changed, both of the above examples were described as "encapsulation" in the abatement plans and, consequently, "encapsulation" is used to describe both conditions in subsequent paragraphs. Therefore, this LBP risk assessment may identify a current or potential LBP hazard. In addition, this assessment identifies the presence of LBP and suggests methods to reduce the risk associated with it utilizing current LBP abatement standards promoted by HUD.

C. Format of Report

In July 1995, the Memphis Depot contracted Barge, Waggoner, Sumner and Cannon, Inc. (BWS&C), to conduct a lead-based paint risk assessment in accordance with the Lead-Based Paint Risk Assessment Protocol developed by the United States Department of Housing and Urban Development, in September of 1992. This report presents the culmination of that assessment effort. Generally, the report is formatted as follows:

1. **XRF Testing,** identified if a lead-based paint hazard exists, and at which locations within the units and the concentrations of the lead-based paint. Finally, this section contains concluding remarks which indicates areas identified as lead-based painted surfaces.

2. **Section III, Methodology and Results**, examines the sampling procedures followed during the assessment and provides the results of the samples collected for each unit. Additionally, a conclusion is provided that indicates what the results mean to the Memphis Depot and it's residents.

3. **Section IV, Recommendations for In-Place Management**, provides recommendations for the Memphis Depot personnel in three primary areas: prevention of lead-based paint risks, remediation of existing lead-based paint risk, and clean-up measures for existing lead-based paint risks. Management guidelines are furnished that address each of the three risk categories.

4. **Section V, Appendix**, contains the support material used by the risk assessor in the preparation of this assessment.

II. XRF TESTING

A. Introduction

The primary testing objectives for XRF testing is to determine whether a lead-based paint hazard exists at the site. XRF testing was conducted in seven housing units, the community club and on the playground equipment.

B. Field Sampling Equipment and Methods

The XRF used to test the DOD site was a Direct Read Microlead I distributed by Warrington, Inc. The XRF inspector selected the number of samples, location of the samples and the substrates which need to be sampled in accordance with HUD Guidelines. Appendix A shows the sampling locations and the results of the XRF testing.

C. Conclusion

XRF testing identified LBP in two of the three areas tested. The playground area was found to be lead-free by the XRF. XRF testing in the housing units identified both interior and exterior LPB surfaces. The interior areas in each of the housing units which were identified as LBP were:

All Housing (2) - Interior Units

1) Entrance Door
2) Bathroom Ceiling
3) Bathroom Walls
4) Bathroom Door
5) Bathroom Door Frame
6) Bathroom Door Joint
7) Window Sill in Stair Wells
8) Basement Door (if wood)
9) Stairs in Basement

The exterior areas which were identified by the XRF were as follows:

All Units and Community Club - Exterior

1) Soffit
2) Facia
3) Garage (complete)
4) Any Other Exposed Painted Area

The condition of the paint was very good in the interior of the housing units and community center. The condition of all exterior paint of the housing units and community center and garage was very poor.

Based on this information, the likelihood of LFP risks within the Defense Distribution Depot is expected to be medium.

III. METHODOLOGY AND RESULTS FROM THE RISK ASSESSMENT

A. Introduction

This section of the report outlines the methodology utilized to select, sample, and analyze particular areas of the Memphis Depot and then reports on the results of the analyses. First, the sampling regimen and procedures are described to document that the procedures used and samples collected conform to the guidelines of the Lead-Based Paint Risk Assessment Protocol. Second, a brief summary of the laboratory analysis to be completed on each sample is described and an explanation of the establishment of a "level of hazard" for each sample type is provided. This "level of hazard" will detail the analytical level at which a sample is considered to contain a hazardous amount of lead.

Finally, a summary of results for the testing of the units and non-dwelling facilities is provided. This summary table provides an overall view of the risks present in the Authority. In addition, based on the areas found to possess an unacceptable level of lead, a detailed table of analytical results is presented. This table highlights the specific sample within a unit or non-dwelling location that contained excessive levels of lead. Concluding remarks are then made to summarize these results and provide direction for further recommendations.

B. Sampling Regimen and Procedures

The objective of this assessment is to find areas within each development which are suspected to contain the excessive levels of LBP contamination.

Seven of the eight units were tested using wipe and soil samples were collected from all eight units. One non-dwelling (the community club) was sampled due to the likelihood that at-risk groups would gather or utilize this facility.

C. Sampling Procedures

Within each unit, eight wipe samples were collected from the interior. Wipe samples are used to measure the lead contamination in settled dust of the housing unit. Two wipe samples were collected from the following four rooms: the kitchen, living room, and two different children's bedrooms. In units where only one child resides, an adult bedroom was substituted for the second child's room. In each room, a wipe sample was collected from the window well and the floor. Under certain circumstances, the window sill was substituted for the window well. In addition, two composite soil samples were collected from the exterior. The soil samples were collected within three feet of the foundation of the unit, and 10 to 20 feet from the building. Soil samples are used to measure the lead contamination in the soil near the housing unit. A paint chip was collected if the painted surface was in poor condition.

Material used for collecting the wipe, soil, and paint chip samples consisted of diaper wipes, disposable gloves, polyethylene centrifuge tubes, putty knife, carpenters' square, field sampling forms, and tape measure.

The wipe sampling procedures consisted of identifying the surface to be wipe sampled. Remove the first wipe and throw it away. Put disposable glove on hand. Remove second wipe and insert into tube and label tube field blank. Change glove and remove next wipe and shake open. Place wipe on surface to be wiped, press firmly with the palm, and wipe in a "S" motion for a square surface, or wipe in a straight line on a rectangle surface. Attempt to remove all visible dust from the square. Fold the wipe in half and repeat wipe motion. Fold the wipe again and insert aseptically into the centrifuge tube. Seal the tube and label it with a unique identifier. Measure the area wiped and record location, area, etc., on the field sampling form. Remove glove and store in bag for trash. Prepare for next sample. At the conclusion of the sampling period, remove a wipe and insert into tube and label as field blank. Before shipping the containers to the laboratory, the assessor confirmed all sample container identifiers were matched with appropriate lab submittal sheets. (See Appendix B for copies of unit inspection reports/data entry forms.)

Finally, the samples were sent to ES. Laboratory, 421 Main Street, Spencer, West Virginia. Soil and paint chip samples were analyzed using the "Test Methods for Evaluation of Solid Wastes, EPA., SW-846, Rev 1, Dec 1987:, and more specifically Method 3050. Wipe samples were analyzed by NIOSH Method 7082/7105. Analysis were performed on a Perkin Elmer 3110 Flone Atomic Absorption Spectrometer.

D. Levels of Hazard for Various Risk Assessment Samples

HUD's Interim Guidelines for Lead-Based Paint Abatement details limits of "levels of hazard" for various samples. The wipe sample results are expressed in terms of micrograms per square foot (ug/ft^2). Wipe sample readings in excess of 100 ug/ft^2 on floors, 500 ug/ft^2 on window sills, and 800 ug/ft^2 on window wells are considered "positive" readings for an excessive level of lead in the particular sample. Where positive readings exist, a potential hazard exists. Furthermore, the results of paint chips expressed in terms of milligrams per kilogram (mg/Kg) or parts per million. A reading exceeding 5,000 mg/Kg is considered a "positive" result and indicates a potential hazard.

Finally, while the Department of Housing and Urban Development is requiring that housing authorities test soil for lead contamination as a part of the risk assessment, a level of hazard for lead in soil has not been set. That issue is currently being examined by the Environmental Protection Agency (EPA) and HUD. Accordingly, this assessment will utilize the lead level limits established by the EPA. Current EPA proposed action levels for lead are 400 parts per million for residential areas. Soil samples were taken within three feet of the building, and at 10 to 20 feet from the buildings. The former could indicate lead contamination from exterior building LBP. The latter could indicate lead contamination from leaded gasolines, industrial facilities, or other airborne sources. Thus, it is difficult for the assessor to provide absolutely conclusive results on the nature of the soil contamination and the potential source of this contamination. (See Appendix C for the individual unit sample locations.)

E. Summary of Results

Table 1 on Page 13 lists the individual units sampled at each development. The summary results from Table 1 indicate if any of the ten samples had excessive lead levels. A positive result indicates that some type of a LBP hazard exists at that location. A negative result signifies no LBP hazard exists at that location. At least one sample of the ten collected had to exceed the lead limit established for the sample location before a unit received a positive result.

As Table 1 indicates, only location possesses lead levels that are considered hazardous according to the criteria established by HUD and/or the EPA. Table 2 indicates the specific location of the samples which tested positive.

TABLE 1
LISTING OF RESULTS FOR LEAD-BASED PAINT HAZARDS
SUMMARY WIPES, SOIL, AND PAINT CHIPS
Defense Distribution Depot Memphis

Location and Address	Facility Type	Summary Results	
		LBP	Lead In Soils >400 ppm
Bldg. 6	DU	Positive	Negative
Bldg. 7	DU	Positive	Negative
Bldg. 8	DU	Negative	Negative
Bldg. 9	DU	Positive	Negative
Bldg. 10	DU	Negative	Negative
Bldg. 11	DU	Negative	Negative
Bldg. 12	DU	Negative	Positive
Bldg. 13	DU	Negative	Negative
Bldg. 195	Community	Negative	Negative
Playground Area	OT	Negative	Negative

Facility Type

DU = Dwelling Unit
DU = Dwelling Unit
Mgmt. = Management Office
Comm. = Community Building
OT = Other/Miscellaneous

Summary Results

Positive - Indication that LBP hazards do exist at this location
Negative -Indication that LBP hazards do not exist at this location.

F. **Detailed Results**

Table 1 details those locations identified in Table 1 which had at least one sample exceed the established lead limits. The sample values and locations of the wipe samples are recorded if a unit received a positive result in Table 1. Lead values that exceeded the lead limits are highlighted. A paint chip sample location is provided in the notes, if it exceeded the 5000 ppm lead limit. A value of <0.660 indicates the wipe samples' lead content was below the ug/ft^2 detection limit. The complete analytical results are provided in Appendix D.

TABLE 2
SUMMARY LISTING OF ADDRESSES CONTAINING LEAD-BASED PAINT HAZARDS

Location and Address	Facility Type	Sample Types, Locations, and Analytical Results for Lead								Soil Composite ppm		Paint Chip ppm	Paint Chips Location
		Wipe 1 LR/WW (ug/ft^2)	Wipe 2 LR/FL (ug/ft^2)	Wipe 3 KT/WW (ug/ft^2)	Wipe 4 KT/FL (ug/ft^2)	Wipe 5 BR1/WW (ug/ft^2)	Wipe 6 BR1/FL (ug/ft^2)	Wipe 7 BR2/WW (ug/ft^2)	Wipe 8 BR2/FL (ug/ft^2)	<3'	10' - 20'		
Building 6	DU	469.995	1.617	3.237	0.995	122.631	<0.660	515.05	0.660	36	15	66 **20,991** **11,042**	LR Door Jam Basement Interior Door Basement Entrance Door
Building 7	DU	161.066	1.119	1.022	<0.660	69.282	1.617	70.072	6.964	48	19	49 **30,752**	Baseboard LR Soffit
Building 9	DU	167.698	2.736	38.095	<0.660	141.623	2.860	204.169	3.109	14	86	**12,858** 64	Garage Wall Hallway
Building 12	DU	31.63	1.87	1.33	1.51	81.15	0.66	71.30	0.66	623	162	**1,782**	Bathroom Door

	Legend	
Facility Type	Sample Location and Analytical Results	Minimum Lead Concentration on Limits Which Require Remedial Action
DU=Dwelling Unit	BR1 = Bedroom #1 BR2 = Bedroom #2 FL = Blood KT = Kitchen LR = Living Room WW = Window Well ppm = Parts per Million ug/ft^2	Floor Wipes = 100 gu/ft Window Sill = 500 ug/ft^2 Window Wells = 800 ug/ft^2 Soil = 400 ppm Paint Chip = 5,000 ppm Lead Limits for floor wipes and window wells are from clearance criteria in the HUD Lead-Based Paint Guidelines. Lead Limits for paint chips is from the HUD Lead-Based Paint Guidelines for Identification of Lead-Based Paint. Lead Limit for soil is based upon the preliminary guidelines issued by EPA.

G. Conclusion

The LBP hazards in the Memphis Depot are limited to the following areas:

1. Lead-In-Soils

   Although HUD has not yet set a final approved limit on lead in soils, the presence of lead in some soil samples may be a matter of concern. Of the approximately 21 soil samples collected and analyzed, only one sample exceeded the proposed EPA limit of 400 ppm. This sample was collected within three feet of the building. We expect this result was high for the following reasons:

   a. High content of lead in exterior paint.

   b. Poor condition of exterior paint.

2. Lead Dust in Dwelling Units

   The results of the wipe sample analyses in Tables 1 and 2 indicate that prior building maintenance procedures were successful in eliminating LBP hazards identified by XRF tests. Of the approximately 71 interior wipe samples collected and analyzed for lead, none exceeded the lead limit.

3. LBP In Dwelling Units

   1) Exterior Wood
   2) Garage
   3) Basement Wood Doors

4. Past LBP Abatement

   Where LBP surfaces were covered and/or encapsulated, LBP dust could be released where the covering is removed, cut or drilled through, or damaged by workmen or residents. LBP on wood siding on the Community Club was covered with aluminum or vinyl. These encapsulated surfaces are not considered LBP hazards or risks since the Memphis Depot's routine maintenance of these areas has preserved the original encapsulations.

5. Water Samples

   Three water samples were collected, one from the Community Club and two from the housing units. Each of the samples had lead level below the established limit for domestic drinking water. The analytical results for the three water samples are provided in Appendix E.

6. Children With Elevated Blood Lead Levels

No cases of elevated blood lead level (EBL) have been reported to the DOD. To the best of the Memphis Depot's knowledge, no other cases of EBL have been reported or discovered within the Memphis Depot.

IV. LEAD HAZARD CONTROL STRATEGIES

A. Introduction

The purpose of this LBP assessment is to determine if, and where, LBP hazards exist, and to provide recommendations to eliminate or reduce these hazards. Our recommendations address all lead-based paint hazards, justification for each strategy, prioritization of each hazard control action, and a schedule in remediate.

B. Lead Hazard Control Actions

Priority	Action	Schedule
1	Respond to peeling exterior LBP of the housing units and and garages. LBP chips have a sweet taste and are a cause of lead poisoning of children. Several methods are available to response to this hazard. Remove the LBP and and replace it with non-LBP paint, encapsulation of the LBP surfaces with a special coating or vinyl/metal covering or removal of the LBP components and replace it with a non-LBP coated component - encapsulation is typically the most cost-effective response.	Within 6 Months
2	Immediately after the LBP chip hazard has been eliminated. The upper layer of soil (3-inches found under the soffit areas of housing unit #12 should be removed and replaced.	Within 6 months
3	Operations and Maintenance Procedures are as follows: The following practices are recommended to reduce the likelihood that routine maintenance procedures or practices would damage abated LBP surfaces, thus creating a new "risk" area where one does not presently exist. These areas are the LBP surfaces identified by the XRF in the interior of the housing units.	Within 12 months

A. DOD Maintenance Training

To reduce the risk of lead poisoning, the DOD should provide LBP abatement training to the maintenance supervisor, particularly regarding the locations of LBP hazards, workman protection, and cleanup. Maintenance personnel should be advised of the location of dwelling units where LBP is present, both where LBP was covered or encapsulated, and where it is exposed. Work orders for maintenance personnel should be specifically marked to indicate that LBP surfaces exist and/or may be involved in the maintenance work. Routine maintenance can produce lead dust and become a health hazard to the workers and residents.

B. Maintenance Manual

A maintenance manual and training program on the practices and hazards of LBP would help reduce the risk that the DOD workers may encounter. A worker who understands the risk associated with LBP should develop better safety habits and work practices. The DOD maintenance manual should include information on the hazards of LBP, the DOD's LBP history, current risk assessment and management plan, workman protection, procedures for working on or around concealed or exposed LBP, and LBP cleanup procedures.

Although it is beyond the scope of this report to provide a comprehensive maintenance manual, the DOD should obtain the National Institute of Building Sciences (NIBS) publication "LBP Operations and Maintenance Work Practices Manual." This manual should include all the necessary procedures and practices required of DOD maintenance personnel when dealing with LBP hazards. NIBS address and phone number are:

National Institute of Building Sciences
1201 L Street, Northwest, Suite 400
Washington, D.C. 20005
(202) 289-7800.

C. Painting

During painting of the dwelling units, all window wells and sills should be thoroughly washed to remove all dust, which may contain low levels of lead dust in each of the units tested.

D. Vacant Unit Turnover

Maintenance personnel involved in vacant turnover work should be advised of the specific areas or locations where covered or exposed LBP exists. If applicable, advise personnel of the appropriate workman protection and cleanup procedures. The scope of work should include a thorough cleaning of window wells and sills in all developments.

E. Grounds Maintenance and Lead

Until HUD sets a limit of lead in soil and prescribes specific abatement procedures, the DOD should establish and maintain a ground cover of grass or mulch, particularly in the areas surrounding the buildings where soil tests indicate lead in excess of 400 ppm. Possible options for lead-in-soil abatement include: (1) DILUTION: i.e., roto-tilling top 4" to 6" of surface; (2) REMOVAL AND DISPOSAL: remove and dispose of lead contaminated soils per current EPA guidelines; or (3) ORGANIC COVERING: i.e., maintaining a year-round ground cover of vegetation or mulch in developments where lead has been identified in the soil.

F. LBP Abatement

The Memphis Depot should continuously monitor any contractor's LBP abatement procedures in future modernization contracts to ensure the safety of the workmen, to prevent the release of additional lead dust into the environment, and continue to have LBP dwelling units tested for LBP clearance upon completion of LBP abatement work in accordance with HUD's LBP Interim Guidelines, prior to the initiation of other contract activities in the dwelling unit.

G. XRF Testing

The DOD has completed XRF testing in all of the Developments constructed prior to 1978. LBP hazards were found in each unit that was tested. The risk assessor did not find significant discrepancies in the XRF test reports. Additional XRF testing is not needed, unless directed otherwise by authorized personnel.

H. LBP Dust Wipe Sampling

Wipe sampling conducted as part of this risk assessment indicated acceptable lead dust levels. If the DOD alters covered LBP surfaces in the future, wipe sampling should be conducted as recommended for clearance testing. The DOD may conduct Random wipe sampling to verify the effectiveness of the DOD LBP risk management program.

I. Blood Lead Level Testing

If DOD maintenance personnel become involved in altering previously covered LBP surfaces, blood lead testing should be conducted prior to the start of work and periodically, at least annually. The only area of concern is the southside of the community building. The original wood with LBP has been covered with vinyl siding.

J. Resident Education

Resident education is a very important part of preventing LBP poisoning. Residents should know the signs of lead poisoning in children since lead poisoning can be due to lead contamination from LBP or any source off Defense Distribution Depot property, such as friends' or relatives' houses, educational, recreational, and commercial facilities. A quick blood test at a clinic or doctor's office will verify or refute the parent's or guardian's suspicions of LBP poisoning. Residents should be made aware of the specific locations of LBP in their dwelling unit and Development, as applicable, both where LBP has been covered or encapsulated and where LBP is exposed.

Residents should know the relationship of good housekeeping and lead poisoning prevention. Lead in soils, or lead from sources beyond the DOD environment, can be tracked into the dwelling units and accumulate. Proper cleaning of floors, window wells and sills, and other horizontal surfaces can keep the hazards of lead dust to a minimum.

The DOD is encouraged to provide each resident with an information pamphlet regarding the dangers of and prevention of LBP risks.

C. **Alternate Lead Hazard Control Actions**

Priority	Action	Schedule
1A	An Alternate response would be to inform the tenants of LBP hazards with with instructions to the children not to eat or play with paint chips and soil within 3 feet of garages or housing units.	One Month

2A Inform maintenance personnel of the locations of LBP surfaces and instructions that they are not to disturb or damage the surfaces.

These alternate responses should not be considered if children will be on-site for more than one year.

V. SUMMARY

The risk assessment conducted at the Defense Distribution Depot, Memphis, Tennessee indicates there is a risk of lead poising in children, pregnant women, or other family members. The poor condition of the exterior LBP surfaces on the housing units and garage present the greatest hazard to the housing residents. LBP abatement should be considered to eliminate or reduce LBP hazards from LBP exterior paint. The institution of a comprehensive operation and maintenance program will limit the exposure of residents and maintenance personnel to lead from the identified LBP areas.

The alternate lead hazard control actions should only be considered if the housing units are planned to be vacated in the near future.

APPENDIX A

SUMMARY OF XRF TESTING RESULTS AND TESTING LOCATIONS

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

3807 DICKERSON ROAD, SUITE I NASHVILLE, TN 37207 (615) 865–8813 FAX (615) 868–4140

XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: LIVING QUARTERS #6

PROJECT LOCATION: DEFENSE DEPOT, MEMPHIS, TN

PROJECT DATE: DECEMBER 7, 1995

XRF ACTION LEVEL: 1.0 mg/cm²

TECHNICIAN: CAMILLE THERRIEN

PAINT CHIP ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT		COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT.%
1	KITCHEN WALL UPPER	X		WALL	DRYWALL	GOOD	11	3	−0.3	
2	KITCHEN WALL LOWER	X		WALL	DRYWALL	GOOD	12	3	−0.1	
3	WINDOW SILL OVER SINK	X		WINDOW	METAL	GOOD	14	3	0.1	
4	WINDOW FRAME OVER SINK	X		WINDOW	METAL	GOOD	11	3	−0.3	
5	KITCHEN CEILING	X		CEILING	DRYWALL	GOOD	15	3	0.0	
6	SIDE DOOR FRONT KITCHEN		X	DOOR	WOOD	GOOD	16	3	0.6	
7	SIDE DOOR BACK KITCHEN	X		DOOR	WOOD	GOOD	16	3	0.3	
8	KITCHEN SIDE DOOR JAM	X		DOOR	WOOD	GOOD	15	3	1.1	
9	KITCHEN SIDE DOOR FRAME	X		DOOR	WOOD	GOOD	15	3	0.8	
10	PANTRY WALL UPPER	X		WALL	DRYWALL	GOOD	15	3	−0.6	
11	PANTRY WALL LOWER	X		WALL	DRYWALL	GOOD	16	3	−0.4	
12	WINDOW SILL (PANTRY)	X		WINDOW	METAL	GOOD	9	3	0.7	
13	WINDOW FRAME (PANTRY	X		WINDOW	METAL	GOOD	15	3	0.4	
14	ENTRANCE TO DINING ROOM MOLDING	X		MOLDING	WOOD	GOOD	14	3	0.3	
15	DINING ROOM WALL UPPER	X		WALL	DRYWALL	GOOD	13	3	−0.1	
16	DINING ROOM WALL LOWER	X		WALL	DRYWALL	GOOD	14	3	0.1	
17	ENTRANCE TO DEN MOLDING FRAME	X		MOLDING	WOOD	GOOD	15	3	1.0	
18	DEN WALL UPPER	X		WALL	BRICK	GOOD	23	3	−0.1	
19	DEN WALL LOWER	X		WALL	BRICK	GOOD	25	3	0.0	
20	DEN WINDOW SILL	X		WINDOW	METAL	GOOD	11	3	−0.1	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm²

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

3807 DICKERSON ROAD, SUITE I NASHVILLE, TN 37207 (615) 865–8813 FAX (615) 868–4140

XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: LIVING QUARTERS #6

PROJECT LOCATION: DEFENSE DEPOT, MEMPHIS, TN

PROJECT DATE: DECEMBER 7, 1995

XRF ACTION LEVEL: 1.0 mg/cm²

TECHNICIAN: CAMILLE THERRIEN

PAINT CHIP ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT		COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT. %
21	WINDOW FRAME (DEN)	X		WINDOW	METAL	GOOD	12	3	−0.6	
22	DEN CEILING	X		CEILING	DRYWALL	GOOD	13	3	−1.0	
23	ENTRANCE TO LIVING ROOM MOLDING	X		MOLDING	WOOD	GOOD	15	3	1.6	
24	LIVING ROOM WALL UPPER	X		WALL	DRYWALL	GOOD	11	3	−0.4	
25	LIVING ROOM WALL LOWER	X		WALL	DRYWALL	GOOD	12	3	−0.2	
26	WINDOW SILL (LIVING ROOM)	X		WINDOW	WOOD	GOOD	10	3	1.2	
27	WINDOW FRAME (LIVING ROOM)	X		WINDOW	WOOD	GOOD	14	3	1.4	
28	ENTRANCE TO HALLWAY MOLDING	X		MOLDING	WOOD	GOOD	14	3	−0.1	
29	HALLWAY WALL UPPER	X		WALL	DRYWALL	GOOD	14	3	−0.4	
30	HALLWAY WALL LOWER	X		WALL	DRYWALL	GOOD	15	3	−0.2	
31	BEDROOM DOOR FRONT	X		DOOR	WOOD	GOOD	13	3	0.3	
32	BEDROOM DOOR BACK	X		DOOR	WOOD	GOOD	9	3	0.3	
33	BEDROOM DOOR FRAME	X		DOOR	WOOD	GOOD	14	3	0.6	
34	BEDROOM DOOR JAM	X		DOOR	WOOD	GOOD	15	3	0.4	
35	BEDROOM WALL UPPER	X		WALL	DRYWALL	GOOD	11	3	−0.1	
36	BEDROOM WALL LOWER	X		WALL	DRYWALL	GOOD	11	3	−0.3	
37	BEDROOM CLOSET DOOR FRONT	X		DOOR	WOOD	GOOD	13	3	0.4	
38	BEDROOM CLOSET DOOR BACK	X		DOOR	WOOD	GOOD	12	3	0.9	
39	BEDROOM CLOSET DOOR JAM	X		DOOR	WOOD	GOOD	15	3	0.6	
40	BEDROOM CLOSET DOOR FRAME	X		DOOR	WOOD	GOOD	15	3	0.3	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm²

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: LIVING QUARTERS #6

PROJECT LOCATION: DEFENSE DEPOT, MEMPHIS, TN

PROJECT DATE: DECEMBER 7, 1995

XRF ACTION LEVEL: 1.0 mg/cm^2

TECHNICIAN: CAMILLE THERRIEN

PAINT CHIP ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT		COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT. %
41	CLOSET WALL (BEDROOM)	X		WALL	DRYWALL	GOOD	13	3	0.2	
42	SHELF FRAME (BEDROOM)	X		SHELF	WOOD	GOOD	14	3	0.2	
43	SHELF (BEDROOM)	X		SHELF	WOOD	GOOD	10	3	–0.3	
44	WINDOW SILL BEDROOM	X		WINDOW	WOOD	GOOD	9	3	1.3	
45	WINDOW FRAME BEDROOM	X		WINDOW	WOOD	GOOD	14	3	1.4	
46	BATHROOM DOOR FRONT	X		DOOR	WOOD	GOOD	14	3	0.8	
47	BATHROOM DOOR BACK	X		DOOR	WOOD	GOOD	13	3	0.6	
48	BATHROOM DOOR JAM	X		DOOR	WOOD	GOOD	15	3	1.1	
49	BATHROOM DOOR FRAME	X		DOOR	WOOD	GOOD	15	3	0.7	
50	BATHROOM WALL	X		WALL	DRYWALL	GOOD	12	3	0.7	
51	BATHROOM CEILING	X		CEILING	DRYWALL	GOOD	14	3	0.4	
52	BATHROOM SHELVING FRAME	X		SHELF	WOOD	GOOD	16	3	–0.1	
53	BATHROOM SHELVING SHELF	X		SHELF	WOOD	GOOD	12	3	0.1	
54	BATHROOM SHELVING DOOR	X		DOOR	WOOD	GOOD	12	3	–0.4	
55	WINDOW SILL BATHROOM	X		WINDOW	WOOD	GOOD	12	3	0.9	
56	WINDOW FRAME BATHROOM	X		WINDOW	WOOD	GOOD	14	3	0.2	
57	HALLWAY CLOSET DOOR	X		DOOR	WOOD	GOOD	9	3	1.7	
58	HALLWAY CLOSET SHELF SUPPORT	X		SHELF	WOOD	GOOD	12	3	–0.2	
59	HALLWAY CLOSET SHELF	X		SHELF	WOOD	GOOD	12	3	–0.6	
60	HALLWAY CLOSET WALL	X		WALL	DRYWALL	GOOD	11	3	–0.4	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm^2

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: LIVING QUARTERS #6

PROJECT LOCATION: DEFENSE DEPOT, MEMPHIS, TN

PROJECT DATE: DECEMBER 7, 1995

XRF ACTION LEVEL: 1.0 mg/cm^2

TECHNICIAN: CAMILLE THERRIEN

PAINT CHIP ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT		COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT .%
61	ENTRANCE CLOSET WALL	X		WALL	DRYWALL	GOOD	13	3	−0.3	
62	ENTRANCE CLOSET SHELF SUPPORT	X		SHELF	WOOD	GOOD	14	3	−0.0	
63	ENTRANCE CLOSET SHELF	X		SHELF	WOOD	GOOD	13	3	−0.3	
64	STAIRWAY WALL UPPER	X		WALL	DRYWALL	GOOD	14	3	−0.1	
65	STAIRWAY WALL LOWER	X		WALL	DRYWALL	GOOD	14	3	−0.4	
66	STAIRWAY WINDOW FRAME	X		WINDOW	WOOD	GOOD	13	3	0.6	
67	STAIRWAY WINDOW SILL	X		WINDOW	WOOD	GOOD	12	3	0.8	
68	ENTRANCE DOOR FRONT	X		DOOR	WOOD	GOOD	13	3	−0.0	
69	ENTRANCE DOOR JAM	X		DOOR	WOOD	GOOD	14	3	1.2	
70	ENTRANCE DOOR FRAME	X		DOOR	WOOD	GOOD	15	3	0.3	
71	ENTRANCE DOOR BACK	X		DOOR	WOOD	GOOD	13	3	−0.3	
72	ENTRANCE CLOSET DOOR FRAME	X		DOOR	WOOD	GOOD	15	3	0.1	
73	HALLWAY TOP OF STAIRS WINDOW SILL	X		WINDOW	WOOD	GOOD	12	3	0.0	
74	HALLWAY TOP OF STAIRS WINDOW FRAME	X		WINDOW	WOOD	GOOD	16	3	−0.3	
75	DECORATIVE SHADE LIVING ROOM	X		SHADE	WOOD	GOOD	10	3	−0.2	
76	HALLWAY TOP OF STAIRS UPPER	X		WALL	DRYWALL	GOOD	12	3	−0.4	
77	HALLWAY TOP OF STAIRS LOWER	X		WALL	DRYWALL	GOOD	12	3	−0.6	
78	ENTRANCE MOLDING	X		MOLDING	WOOD	GOOD	16	3	−0.3	
79	HALLWAY CLOSET DOOR	X		DOOR	WOOD	GOOD	9	3	0.2	
80	HALLWAY CLOSET DOOR	X		DOOR	WOOD	GOOD	16	3	−0.1	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm^2

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: LIVING QUARTERS #6

PROJECT LOCATION: DEFENSE DEPOT, MEMPHIS, TN

PROJECT DATE: DECEMBER 7, 1995

XRF ACTION LEVEL: 1.0 mg/cm²

TECHNICIAN: CAMILLE THERRIEN

PAINT CHIP ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT		COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT.%
81	HALLWAY CLOSET DOOR FRAME	X		DOOR	WOOD	GOOD	16	3	0.1	
82	HALLWAY CLOSET DOOR BACK	X		DOOR	WOOD	GOOD	9	3	0.3	
83	HALLWAY CLOSET WALL	X		WALL	DRYWALL	GOOD	15	3	−0.4	
84	HALLWAY CLOSET SHELF SUPPORT	X		SHELF	WOOD	GOOD	14	3	0.6	
85	HALLWAY CLOSET SHELF	X		SHELF	WOOD	GOOD	14	3	0.2	
86	HALLWAY LINEN CLOSET DOOR FRONT	X		DOOR	WOOD	GOOD	13	3	−0.2	
87	HALLWAY LINEN CLOSET DOOR BACK	X		DOOR	WOOD	GOOD	13	3	0.2	
88	HALLWAY LINEN CLOSET DOOR JAM	X		DOOR	WOOD	GOOD	16	3	0.3	
89	HALLWAY LINEN CLOSET DOOR FRAME	X		DOOR	WOOD	GOOD	16	3	0.3	
90	HALLWAY LINEN CLOSET SHELF	X		SHELF	WOOD	GOOD	12	3	0.1	
91	HALLWAY LINEN CLOSET WALL	X		WALL	DRYWALL	GOOD	15	3	−0.0	
92	BEDROOM DOOR #2 FRONT	X		DOOR	WOOD	GOOD	12	3	−0.5	
93	BEDROOM DOOR #2 JAM	X		DOOR	WOOD	GOOD	15	3	0.1	
94	BEDROOM DOOR #2 FRAME	X		DOOR	WOOD	GOOD	16	3	−0.3	
95	BEDROOM #2 DOOR BACK	X		DOOR	WOOD	GOOD	12	3	−0.4	
96	BEDROOM #2 CLOSET DOOR FRONT	X		DOOR	WOOD	GOOD	12	3	−0.3	
97	BEDROOM #2 CLOSET DOOR JAM	X		DOOR	WOOD	GOOD	15	3	0.3	
98	BEDROOM #2 CLOSET DOOR FRAME	X		DOOR	WOOD	GOOD	15	3	0.1	
99	BEDROOM #2 CLOSET SHELF	X		SHELF	WOOD	GOOD	14	3	0.1	
100	BEDROOM #2 CLOSET WALL	X		WALL	DRYWALL	GOOD	13	3	−0.1	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm²

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: LIVING QUARTERS #6

PROJECT LOCATION: DEFENSE DEPOT, MEMPHIS, TN

PROJECT DATE: DECEMBER 7, 1995

XRF ACTION LEVEL: 1.0 mg/cm²

TECHNICIAN: CAMILLE THERRIEN

PAINT CHIP ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT		COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT. %
101	BEDROOM #2 WALL UPPER	X		WALL	DRYWALL	GOOD	11	3	0.2	
102	BEDROOM #2 WALL LOWER	X		WALL	DRYWALL	GOOD	11	3	−0.4	
103	BEDROOM #3 DOOR FRONT	X		DOOR	WOOD	GOOD	9	3	−0.1	
104	BEDROOM #3 DOOR JAM	X		DOOR	WOOD	GOOD	14	3	−0.3	
105	BEDROOM #3 DOOR FRAME	X		DOOR	WOOD	GOOD	16	3	0.0	
106	BEDROOM #3 DOOR BACK	X		DOOR	WOOD	GOOD	9	3	−0.6	
107	CLOSET BEDROOM #3 WALL	X		WALL	DRYWALL	GOOD	11	3	−0.7	
108	CLOSET BEDROOM #3 SHELF SUPPORT	X		SHELF	WOOD	GOOD	14	3	0.1	
109	CLOSET BEDROOM #3 SHELF	X		SHELF	WOOD	GOOD	13	3	−0.3	
110	CLOSET BEDROOM #3 DOOR FRAME	X		DOOR	WOOD	GOOD	9	3	−0.1	
111	CLOSET BEDROOM #3 DOOR JAM	X		DOOR	WOOD	GOOD	14	3	−0.1	
112	CLOSET BEDROOM #3 DOOR FRONT	X		DOOR	WOOD	GOOD	16	3	0.2	
113	BEDROOM #3 CLOSET WALL	X		WALL	DRYWALL	GOOD	13	3	0.1	
114	BEDROOM #3 WALL UPPER	X		WALL	DRYWALL	GOOD	11	3	0.2	
115	BEDROOM #3 WALL LOWER	X		WALL	DRYWALL	GOOD	12	3	0.2	
116	BEDROOM #3 WINDOW SILL	X		WINDOW	WOOD	GOOD	10	3	0.7	
117	BEDROOM #3 WINDOW FRAME	X		WINDOW	WOOD	GOOD	15	3	0.1	
118	BATHROOM DOOR FRONT	X		DOOR	WOOD	GOOD	13	3	−0.0	
119	BATHROOM DOOR BACK	X		DOOR	WOOD	GOOD	13	3	−0.2	
120	BATHROOM DOOR JAM	X		DOOR	WOOD	GOOD	15	3	0.2	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4

PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm²

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME:: LIVING QUARTERS #6

PROJECT LOCATION: DEFENSE DEPOT, MEMPHIS, TN

PROJECT DATE: DECEMBER 7, 1995

XRF ACTION LEVEL: 1.0 mg/cm²

TECHNICIAN: CAMILLE THERRIEN

PAINT CHIP ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT		COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT.%
121	BATHROOM DOOR FRAME	X		DOOR	WOOD	GOOD	16	3	0.9	
122	BATHROOM WALL	X		WALL	DRYWALL	GOOD	12	3	0.3	
123	BATHROOM WINDOW SILL	X		WINDOW	WOOD	GOOD	14	3	0.6	
124	BATHROOM WINDOW FRAME	X		WINDOW	WOOD	GOOD	15	3	0.4	
125	MASTER BEDROOM DOOR	X		DOOR	WOOD	GOOD	10	3	−0.0	
126	MASTER BEDROOM DOOR FRONT	X		DOOR	WOOD	GOOD	12	3	−0.0	
127	MASTER BEDROOM DOOR BACK	X		DOOR	WOOD	GOOD	12	3	−0.2	
128	MASTER BEDROOM DOOR JAM	X		DOOR	WOOD	GOOD	15	3	0.7	
129	MASTER BEDROOM DOOR FRAME	X		DOOR	WOOD	GOOD	15	3	0.0	
130	MASTER BEDROOM WINDOW SILL	X		WINDOW	WOOD	GOOD	11	3	0.9	
131	MASTER BEDROOM WINDOW FRAME	X		WINDOW	WOOD	GOOD	14	3	0.1	
132	MASTER BEDROOM WALL UPPER	X		WALL	DRYWALL	GOOD	12	3	−0.4	
133	MASTER BEDROOM WALL LOWER	X		WALL	DRYWALL	GOOD	11	3	0.2	
134	MASTER BEDROOM HALLWAY MOLDING	X		MOLDING	WOOD	GOOD	16	3	0.1	
135	MASTER BEDRM. WALK IN CLOSET MOLDING	X		MOLDING	WOOD	GOOD	16	3	−0.0	
136	MASTER BEDRM. WALK IN CLOSET SHELF	X		WOOD	WOOD	GOOD	12	3	0.1	
137	MST.BEDRM.WALK IN CLST.SHELF SUPPORT	X		WOOD	WOOD	GOOD	11	3	−0.1	
138	MST.BEDRM.LINEN CLOSET DOOR	X		DOOR	WOOD	GOOD	10	3	0.1	
139	MST.BEDRM.LINEN CLOSET DOOR FRAME	X		DOOR	WOOD	GOOD	15	3	−0.6	
140	MST.BEDRM.LINEN CLOSET WALL	X		WALL	DRYWALL	GOOD	13	3	−0.2	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4

PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm²

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: LIVING QUARTERS #6

PROJECT LOCATION: DEFENSE DEPOT, MEMPHIS, TN

PROJECT DATE: DECEMBER 7, 1995

XRF ACTION LEVEL: 1.0 mg/cm²

TECHNICIAN: CAMILLE THERRIEN

PAINT CHIP ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT		COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT .%
141	MASTER BEDROOM CLOSET SHELF SUPPORT	X		SHELF	WOOD	GOOD	13	3	0.2	
142	MASTER BEDROOM BATHROOM DOOR FRT.	X		DOOR	WOOD	GOOD	10	3	−0.6	
143	MASTER BEDROOM BATHROOM DOOR BACK	X		DOOR	WOOD	GOOD	9	3	−0.2	
144	MASTER BEDROOM BATHROOM DOOR JAM	X		DOOR	WOOD	GOOD	15	3	0.6	
145	MASTER BEDROOM BATHROOM DOOR FRAME	X		DOOR	WOOD	GOOD	15	3	0.3	
146	MASTER BEDROOM BATHROOM WALL	X		WALL	DRYWALL	GOOD	14	3	0.3	
147	MASTER BEDRM.BATHROOM WINDOW SILL	X		WINDOW	WOOD	GOOD	14	3	0.8	
148	MASTER BEDRM.BATHROOM WINDOW FRAME	X		WINDOW	WOOD	GOOD	14	3	−0.1	
149	DRIP EDGE		X	DRIP EDGE	WOOD	POOR	11	3	2.4	
150	FASCIA		X	FASCIA	WOOD	POOR	13	3	1.9	
151	FRAME AROUND BASEMENT		X	FRAME	WOOD	POOR	14	3	13.6	
152	EXTERIOR WINDOW CASING		X	WINDOW	METAL	POOR	9	3	1.9	
153	EXTERIOR WINDOW LEDGE		X	WINDOW	METAL	POOR	14	3	1.7	
154	SUPPORT BEAM		X	BEAM	WOOD	POOR	11	3	0.8	
155	BASEMENT STORAGE DOOR FRONT		X	DOOR	WOOD	POOR	13	3	−0.1	
156	BASEMENT STORAGE DOOR BACK		X	DOOR	WOOD	POOR	14	3	−0.6	
157	ENTRANCE TO BASEMENT DOOR FRONT		X	DOOR	WOOD	POOR	15	3	3.9	
158	ENTRANCE TO BASEMENT DOOR BACK		X	DOOR	WOOD	POOR	15	3	4.2	
159	ENTRANCE TO BASEMENT DOOR JAM		X	DOOR	WOOD	POOR	14	3	14.9	
160	ENTRANCE TO BASEMENT DOOR FRAME		X	DOOR	WOOD	POOR	14	3	11.6	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4

PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm²

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: LIVING QUARTERS #6

PROJECT LOCATION: DEFENSE DEPOT, MEMPHIS, TN

PROJECT DATE: DECEMBER 7, 1995

XRF ACTION LEVEL: 1.0 mg/cm^2

TECHNICIAN: CAMILLE THERRIEN

PAINT CHIP ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT		COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT.%
161	BASEMENT STEP		X	STEP	WOOD	POOR	13	3	1.8	---
162	DOWN SPOUT		X	SPOUT	METAL	POOR	9	3	–0.6	---

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm^2

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: Living Quarters Unit 7

PROJECT LOCATION: Defense Depot, Memphis, TN

PROJECT DATE: 12/06/95

XRF ACTION LEVEL: 1.0 mg/cm2

TECHNICIAN: Camille Therrien

LABORATORY ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT	EXT	COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT.%
1	Kitchen Ceiling	X		Ceiling	Drywall	Good	11	3	−0.2	
2	Frame Window Front of Sink	X		Window	Metal	Good	14	3	−0.8	
3	Window Sill	X		Window	Metal	Good	12	3	−1.0	
4	Wall Upper	X		Wall	Drywall	Good	14	3	−0.5	
5	Wall Lower	X		Wall	Drywall	Good	14	3	−0.0	
6	Door Frame to Dining Room	X		Door	Wood	Good	16	3	0.1	
7	Door Jam Dining Room	X		Door	Wood	Good	14	3	0.1	
8	Pantry Window Sill	X		Door	Metal	Good	13	3	−0.2	
9	Pantry Window Frame	X		Window	Metal	Good	11	3	0.2	
10	Shelving Unit Frame	X		Shelf	Wood	Good	14	3	−0.6	
11	Shelving Unit Shelf	X		Shelf	Wood	Good	11	3	−0.8	
12	Molding Around Frame	X		Molding	Wood	Good	13	3	0.1	
13	Pantry Wall Upper	X		Wall	Brick	Good	26	3	−1.0	
14	Pantry Wall Lower	X		Wall	Drywall	Good	12	3	−0.4	
15	Shelving Unit Door	X		Door	Wood	Good	12	3	−0.5	
16	Shelving Unit Shelf	X		Shelf	Wood	Good	13	3	−0.3	
17	Shelving Unit Frame	X		Molding	Wood	Good	11	3	−0.1	
18	Entrance To Hallway Frame	X		Door	Wood	Good	16	3	−0.3	
19	Entrance To Hallway Jam	X		Door	Wood	Good	15	3	−0.2	
20	Closet Door	X		Door	Wood	Good	9	3	−0.3	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm2

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

3807 DICKERSON ROAD, SUITE I NASHVILLE, TN 37207 (615) 865–8813 FAX (615) 868–4140

XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: Living Quarters Unit 7

PROJECT LOCATION: Defense Depot, Memphis, TN

PROJECT DATE: 12/06/95

XRF ACTION LEVEL: 1.0 mg/cm2

TECHNICIAN: Camille Therrien

LABORATORY ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT	EXT	COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT.%
21	Closet Shelf	X		Shelf	Wood	Good	13	3	−0.3	
22	Shelf Support	X		Shelf	Wood	Good	13	3	−0.8	
23	Dining Room Wall Upper	X		Wall	Drywall	Good	13	3	−0.5	
24	Dining Room Wall Lower	X		Wall	Drywall	Good	13	3	−0.7	
25	Living Room Window Frame	X		Window	Wood	Good	11	3	−0.5	
26	Living Room Window Sill	X		Window	Wood	Good	13	3	−0.4	
27	Wooden Window Shade	X		Window	Wood	Good	10	3	−0.5	
28	Den Wall Upper	X		Wall	Drywall	Good	14	3	−0.3	
29	Den Wall Lower	X		Wall	Drywall	Good	13	3	−0.8	
30	Den Window Sill	X		Window	Metal	Good	13	3	−1.0	
31	Den Window Frame	X		Window	Metal	Good	13	3	−0.3	
32	Bathroom Closet Door	X		Door	Wood	Good	16	3	−0.0	
33	Bathroom Closet Shelf	X		Shelf	Wood	Good	12	3	−0.0	
34	Bathroom Window Frame	X		Window	Wood	Good	12	3	−0.0	
35	Bathroom Window Sill	X		Window	Wood	Good	14	3	0.0	
36	Bathroom Door Back	X		Door	Wood	Good	9	3	4.0	
37	Bathroom Door Front	X		Door	Wood	Good	10	3	4.3	
38	Bathroom Door Frame	X		Door	Wood	Good	16	3	−0.2	
39	Bathroom Door Jam	X		Door	Wood	Good	17	3	1.4	
40	Bedroom Frame	X		Door	Wood	Good	15	3	0.0	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm2

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: Living Quarters Unit 7

PROJECT LOCATION: Defense Depot, Memphis, TN

PROJECT DATE: 12/06/95

XRF ACTION LEVEL: 1.0 mg/cm2

TECHNICIAN: Camille Therrien

LABORATORY ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT	EXT	COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT.%
41	Bedroom Jam	X		Door	Wood	Good	16	3	0.5	
42	Bedroom Closet Door Front	X		Door	Wood	Good	9	3	−0.3	
43	Bedroom Closet Door Back	X		Door	Wood	Good	10	3	0.3	
44	Bedroom Closet Door Frame	X		Door	Wood	Good	15	3	−0.2	
45	Bedroom Closet Door Jam	X		Door	Wood	Good	15	3	0.2	
46	Bedroom Closet Shelf	X		Shelf	Wood	Good	11	3	0.0	
47	Bedroom Closet Shelf Support	X		Shelf	Wood	Good	13	3	0.2	
48	Bedrrom Shelf Frame	X		Shelf	Wood	Good	15	3	−0.2	
49	Bedrrom Shelf	X		Shelf	Wood	Good	12	3	0.6	
50	Bedrrom Door	X		Door	Wood	Good	15	3	0.7	
51	Bedroom Window Sill	X		Window	Wood	Good	11	3	−0.7	
52	Bedroom Window Frame	X		Window	Wood	Good	12	3	0.3	
53	Wall Upper	X		Wall	Drywall	Good	17	3	−0.3	
54	Wall Lower	X		Wall	Drywall	Good	15	3	−0.7	
55	Door Front Bedroom Downstairs	X		Door	Wood	Good	10	3	1.0	
56	Door Back Bedroom Downstairs	X		Door	Wood	Good	10	3	0.2	
57	Bathroom Ceiling Downstairs	X		Ceiling	Drywall	Good	14	3	4.4	
58	Bathroom Wall Downstairs	X		Wall	Drywall	Good	13	3	3.2	
59	Closet Near Entrance Door	X		Door	Wood	Good	9	3	0.2	
60	Closet Near Entrance Door Back	X		Door	Wood	Good	9	3	0.1	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4

PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm2

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ENVIRONMENTAL CONSULTANTS

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: Living Quarters Unit 7

PROJECT LOCATION: Defense Depot, Memphis, TN

PROJECT DATE: 12/06/95

XRF ACTION LEVEL: 1.0 mg/cm2

TECHNICIAN: Camille Therrien

LABORATORY ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT	EXT	COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT.%
61	Closet Near Entrance Door Frame	X		Door	Wood	Good	16	3	0.1	
62	Closet Near Entrance Door Jam	X		Door	Wood	Good	15	3	0.0	
63	Shelf Support	X		Shelf	Wood	Good	15	3	−0.3	
64	Shelf	X		Shelf	Wood	Good	13	3	−0.4	
65	Stairway Wall Upper	X		Wall	Drywall	Good	13	3	−0.5	
66	Stairway Wall Lower	X		Wall	Drywall	Good	15	3	−0.3	
67	Stairway Window Frame	X		Window	Wood	Good	15	3	0.3	
68	Stairway Molding	X		Molding	Wood	Good	14	3	−1.4	
69	Master Bedroom Wall Upper	X		Wall	Drywall	Good	12	3	−0.3	
70	Master Bedroom Wall Lower	X		Wall	Drywall	Good	15	3	0.2	
71	Window Frame	X		Window	Wood	Good	14	3	−0.0	
72	Window Sill	X		Window	Wood	Good	11	3	−1.3	
73	Closet Door Front Sliding Door	X		Door	Wood	Good	9	3	−0.5	
74	Closet Door Back Sliding Door	X		Door	Wood	Good	14	3	−0.1	
75	Shelf Support	X		Shelf	Wood	Good	13	3	−0.1	
76	Shelf	X		Shelf	Wood	Good	13	3	−0.1	
77	Master Bathroom Door Front	X		Door	Wood	Good	10	3	−0.1	
78	Ceiling Near Entrance	X		Ceiling	Drywall	Good	16	3	−0.1	
79	Master Bedroom Closet Door Front	X		Door	Wood	Good	9	3	0.9	
80	Master Bedroom Closet Door Back	X		Door	Wood	Good	9	3	1.1	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm2

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ENVIRONMENTAL CONSULTANTS

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: Living Quarters Unit 7

PROJECT LOCATION: Defense Depot, Memphis, TN

PROJECT DATE: 12/06/95

XRF ACTION LEVEL: 1.0 mg/cm2

TECHNICIAN: Camille Therrien

LABORATORY ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT	EXT	COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT.%
81	Master Bathroom Ceiling	X		Ceiling	Drywall	Good	13	3	3.6	
82	Master Bathroom Door Back	X		Door	Wood	Good	13	3	−0.1	
83	Master Bathroom Window Sill	X		Window	Wood	Good	13	3	0.8	
84	Master Bathroom Window Frame	X		Window	Wood	Good	13	3	1.6	
85	Master Bathroom Wall	X		Wall	Drywall	Good	13	3	1.1	
86	Upstairs Hall Closet Door Front	X		Door	Wood	Good	9	3	0.0	
87	Upstairs Hall Closet Door Back	X		Door	Wood	Good	9	3	−0.3	
88	Upstairs Hall Closet Door Frame	X		Door	Wood	Good	12	3	1.1	
89	Upstairs Hall Closet Door Jam	X		Door	Wood	Good	15	3	0.8	
90	Upstairs Hall Closet Shelf	X		Shelf	Wood	Good	12	3	−0.3	
91	Upstairs Hall Closet Shelf Support	X		Shelf	Wood	Good	11	3	−0.2	
92	Bedroom Wall Upper	X		Wall	Drywall	Good	12	3	−0.5	
93	Bedroom Wall Lower	X		Wall	Drywall	Good	11	3	−0.4	
94	Window Frame	X		Window	Wood	Good	13	3	0.2	
95	Window Sill	X		Window	Wood	Good	11	3	0.2	
96	Ceiling	X		Ceiling	Drywall	Good	15	3	−0.3	
97	Shelf Support	X		Shelf	Wood	Good	16	3	−1.4	
98	Shelf	X		Shelf	Wood	Good	11	3	0.0	
99	Closet Door Front	X		Door	Wood	Good	9	3	0.0	
100	Closet Door Back	X		Door	Wood	Good	9	3	−0.9	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm2

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: Living Quarters Unit 7

PROJECT LOCATION: Defense Depot, Memphis, TN

PROJECT DATE: 12/06/95

XRF ACTION LEVEL: 1.0 mg/cm2

TECHNICIAN: Camille Therrien

LABORATORY ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT	EXT	COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT.%
101	Bathroom Door Frame	X		Door	Wood	Good	15	3	−0.4	
102	Bathroom Door Jam	X		Door	Wood	Good	15	3	−0.0	
103	Bathroom Wall	X		Wall	Drywall	Good	11	3	2.2	
104	Bathroom Ceiling	X		Ceiling	Drywall	Good	13	3	1.0	
105	Door Front	X		Door	Wood	Good	13	3	0.3	
106	Door Back	X		Door	Wood	Good	9	3	0.4	
107	Bedroom Door Jam	X		Door	Wood	Good	13	3	−0.2	
108	Bedroom Door Frame	X		Door	Wood	Good	15	3	−0.1	
109	Bedroom Door Front	X		Door	Wood	Good	9	3	0.6	
110	Bedroom Door Back	X		Door	Wood	Good	13	3	0.0	
111	Bedroom Wall Upper	X		Wall	Drywall	Good	11	3	0.3	
112	Bedroom Wall Lower	X		Wall	Drywall	Good	11	3	0.0	
113	Closet Door Jam	X		Door	Wood	Good	14	3	−0.5	
114	Closet Door Frame	X		Door	Wood	Good	17	3	−0.5	
115	Closet Shelf Support	X		Shelf	Wood	Good	13	3	−0.1	
116	Closet SHelf	X		Shelf	Wood	Good	11	3	−0.6	
117	Window Sill	X		Window	Wood	Good	11	3	0.7	
118	Molding	X		Molding	Wood	Good	13	3	0.3	
119	Duct Work	X		Duct	Metal	Good	9	3	−0.4	
120	Front Door Entrance	X		Door	Wood	Good	11	3	7.4	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm2

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: Living Quarters Unit 7

PROJECT LOCATION: Defense Depot, Memphis, TN

PROJECT DATE: 12/06/95

XRF ACTION LEVEL: 1.0 mg/cm2

TECHNICIAN: Camille Therrien

LABORATORY ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT	EXT	COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT.%
121	Front Door Entrance Back	X		Door	Wood	Good	12	3	8.0	
122	Outer Soffet		X	Soffet	Wood	Good	14	3	8.9	
123	Pantry Door Front	X		Door	Wood	Good	14	3	–0.1	
124	Pantry Door Back	X		Door	Wood	Good	12	3	–0.3	
125	Pantry Door Frame	X		Door	Wood	Good	15	3	–0.7	
126	Outside Gutter		X	Gutter	Metal	Good	10	3	–0.4	
127	Porch Support		X	Support	Wood	Good	15	3	–0.3	
128	Outer Window Frame		X	Window	Metal	Good	14	3	0.7	
129	Front Door Frame	X		Door	Wood	Good	15	3	0.8	
130	Wood Over Basement Entrance		X	Casing	Wood	Poor	14	3	7.6	
131	Fascia		X	Fascia	Wood	Poor	16	3	4.0	
132	Outer Entrance Door Frame		X	Door	Wood	Good	16	3	18.6	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm2

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: LIVING QUARTERS #8

PROJECT LOCATION: DEFENSE DEPOT, MEMPHIS, TN

PROJECT DATE: DECEMBER 6, 1995

XRF ACTION LEVEL: 1.0 mg/cm^2

TECHNICIAN: CAMILLE THERRIEN

PAINT CHIP ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT		COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT. %
1	KITCHEN WALL UPPER	X		WALL	DRYWALL	GOOD	15	3	0.1	
2	KITCHEN WALL LOWER	X		WALL	DRYWALL	GOOD	12	3	0.4	
3	WINDOW SILL OVER SINK	X		WINDOW	METAL	GOOD	13	3	−0.7	
4	WINDOW FRAME OVER SINK	X		WINDOW	METAL	GOOD	12	3	0.0	
5	KITCHEN CABINETS	X		CABINET	METAL	GOOD	10	3	−0.3	
6	KITCHEN CEILING	X		CEILING	DRYWALL	GOOD	12	3	−0.1	
7	SIDE DOOR FRONT		X	DOOR	WOOD	GOOD	15	3	4.6	
8	KITCHEN BACK	X		DOOR	WOOD	GOOD	14	3	0.4	
9	KITCHEN JAM	X		DOOR	WOOD	GOOD	17	3	3.3	
10	KITCHEN FRAME	X		DOOR	WOOD	GOOD	14	3	−0.2	
11	PANTRY WALL UPPER	X		WALL	DRYWALL	GOOD	14	3	−0.0	
12	PANTRY WALL LOWER	X		WALL	DRYWALL	GOOD	13	3	−0.0	
13	WINDOW SILL (PANTRY)	X		WINDOW	METAL	GOOD	12	3	−0.0	
14	WINDOW FRAME (PANTRY	X		WINDOW	METAL	GOOD	12	3	−0.2	
15	PANTRY SHELF	X		SHELF	WOOD	GOOD	10	3	−0.4	
16	PANTRY FRAME	X		SHELF	WOOD	GOOD	15	3	−0.7	
17	ENTRANCE TO DINING ROOM FRAME	X		MOLDING	WOOD	GOOD	16	3	0.4	
18	SLIDING DOOR	X		DOOR	WOOD	GOOD	10	3	1.1	
19	DINING ROOM WALL UPPER	X		WALL	DRYWALL	GOOD	12	3	−0.3	
20	DINING ROOM WALL LOWER	X		WALL	DRYWALL	GOOD	14	3	−0.1	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm^2

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

3807 DICKERSON ROAD, SUITE I NASHVILLE, TN 37207 (615) 865–8813 FAX (615) 868–4140

XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME:: LIVING QUARTERS #8

PROJECT LOCATION: DEFENSE DEPOT, MEMPHIS, TN

PROJECT DATE: DECEMBER 6, 1995

XRF ACTION LEVEL: 1.0 mg/cm²

TECHNICIAN: CAMILLE THERRIEN

PAINT CHIP ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT		COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT.%
21	ENTRANCE TO DEN MOLDING FRAME	X		MOLDING	WOOD	GOOD	13	3	−0.2	
22	DEN WALL UPPER	X		WALL	BRICK	GOOD	25	3	−0.2	
23	DEN WALL LOWER	X		WALL	BRICK	GOOD	25	3	−0.4	
24	WINDOW SILL (DEN)	X		WINDOW	METAL	GOOD	13	3	−0.5	
25	WINDOW FRAME (DEN)	X		WINDOW	METAL	GOOD	12	3	−0.2	
26	DEN CEILING	X		CEILING	DRYWALL	GOOD	14	3	−0.3	
27	ENTRANCE TO LIVING ROOM MOLDING	X		MOLDING	WOOD	GOOD	17	3	0.0	
28	LIVING ROOM WALL UPPER	X		WALL	DRYWALL	GOOD	12	3	−0.7	
29	LIVING ROOM WALL LOWER	X		WALL	DRYWALL	GOOD	11	3	−0.5	
30	WINDOW SILL (LIVING ROOM)	X		WINDOW	WOOD	GOOD	8	3	1.7	
31	WINDOW FRAME (LIVING ROOM)	X		WINDOW	WOOD	GOOD	13	3	1.1	
32	ENTRANCE TO HALLWAY MOLDING	X		MOLDING	WOOD	GOOD	14	3	−0.0	
33	HALLWAY WALL UPPER	X		WALL	DRYWALL	GOOD	12	3	−0.4	
34	HALLWAY WALL LOWER	X		WALL	DRYWALL	GOOD	11	3	−0.3	
35	BEDROOM DOOR FRONT	X		DOOR	WOOD	GOOD	13	3	0.7	
36	BEDROOM DOOR BACK	X		DOOR	WOOD	GOOD	12	3	2.3	
37	BEDROOM DOOR FRAME	X		DOOR	WOOD	GOOD	15	3	0.1	
38	BEDROOM DOOR JAM	X		DOOR	WOOD	GOOD	15	3	1.4	
39	BEDROOM WALL UPPER	X		WALL	DRYWALL	GOOD	11	3	−0.4	
40	BEDROOM WALL LOWER	X		WALL	DRYWALL	GOOD	13	3	−0.3	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm²

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: LIVING QUARTERS #8

PROJECT LOCATION: DEFENSE DEPOT, MEMPHIS, TN

PROJECT DATE: DECEMBER 6, 1995

XRF ACTION LEVEL: 1.0 mg/cm²

TECHNICIAN: CAMILLE THERRIEN

PAINT CHIP ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT		COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT .%
61	HALLWAY CLOSET DOOR	X		DOOR	WOOD	GOOD	9	3	−0.5	
62	HALLWAY CLOSET SHELF SUPPORT	X		SHELF	WOOD	GOOD	12	3	−0.1	
63	HALLWAY CLOSET SHELF	X		SHELF	WOOD	GOOD	14	3	−0.2	
64	HALLWAY CLOSET WALL	X		WALL	WOOD	GOOD	12	3	−0.7	
65	ENTRANCE CLOSET WALL	X		WALL	DRYWALL	GOOD	12	3	−0.4	
66	ENTRANCE CLOSET SHELF SUPPORT	X		SHELF	WOOD	GOOD	14	3	1.0	
67	ENTRANCE CLOSET SHELF	X		SHELF	WOOD	GOOD	12	3	−0.1	
68	STAIRWAY WALL UPPER	X		WALL	DRYWALL	GOOD	14	3	−0.4	
69	STAIRWAY WALL LOWER	X		WALL	DRYWALL	GOOD	16	3	−0.0	
70	STAIRWAY WINDOW FRAME	X		WINDOW	WOOD	GOOD	14	3	0.4	
71	STAIRWAY WINDOW SILL	X		WINDOW	WOOD	GOOD	12	3	1.0	
72	ENTRANCE DOOR FRONT	X		DOOR	WOOD	GOOD	14	3	1.6	
73	ENTRANCE DOOR JAM	X		DOOR	WOOD	GOOD	17	3	18.2	
74	ENTRANCE DOOR FRAME	X		DOOR	WOOD	GOOD	15	3	0.3	
75	ENTRANCE DOOR BACK	X		DOOR	WOOD	GOOD	13	3	0.1	
76	ENTRANCE CLOSET DOOR FRAME	X		DOOR	WOOD	GOOD	16	3	−0.1	
77	ENTRANCE CLOSET DOOR	X		DOOR	WOOD	GOOD	11	3	−0.6	
78	ENTRANCE CEILING	X		CEILING	DRYWALL	GOOD	16	3	−0.1	
79	HALLWAY TOP OF STAIRS WINDOW SILL	X		WINDOW	WOOD	GOOD	13	3	−0.8	
80	HALLWAY TOP OF STAIRS WINDOW FRAME	X		WINDOW	WOOD	GOOD	14	3	−0.5	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm²

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: LIVING QUARTERS #8

PROJECT LOCATION: DEFENSE DEPOT, MEMPHIS, TN

PROJECT DATE: DECEMBER 6, 1995

XRF ACTION LEVEL: 1.0 mg/cm²

TECHNICIAN: CAMILLE THERRIEN

PAINT CHIP ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT		COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT .%
81	DECORATIVE SHADE LIVING ROOM	X		SHADE	WOOD	GOOD	9	3	−0.1	
82	HALLWAY TOP OF STAIRS WALL UPPER	X		WALL	DRYWALL	GOOD	12	3	−0.5	
83	HALLWAY TOP OF STAIRS WALL LOWER	X		WALL	DRYWALL	GOOD	14	3	−0.1	
84	HALLWAY TOP OF STAIRS ENT.WAY MOLDING	X		MOLDING	WOOD	GOOD	16	3	0.3	
85	HALLWAY CLOSET DOOR FRONT	X		DOOR	WOOD	GOOD	9	3	0.0	
86	HALLWAY CLOSET DOOR JAM	X		DOOR	WOOD	GOOD	15	3	0.6	
87	HALLWAY CLOSET DOOR FRAME	X		DOOR	WOOD	GOOD	15	3	−0.2	
88	HALLWAY CLOSET DOOR BACK	X		DOOR	WOOD	GOOD	9	3	−0.1	
89	HALLWAY CLOSET WALL	X		WALL	DRYWALL	GOOD	15	3	0.6	
90	HALLWAY CLOSET SHELF SUPPORT	X		SHELF	WOOD	GOOD	10	3	0.5	
91	HALLWAY CLOSET SHELF	X		SHELF	WOOD	GOOD	12	3	0.3	
92	HALLWAY LINEN CLOSET DOOR FRONT	X		DOOR	WOOD	GOOD	9	3	0.0	
93	HALLWAY LINEN CLOSET DOOR BACK	X		DOOR	WOOD	GOOD	15	3	0.5	
94	HALLWAY LINEN CLOSET DOOR JAM	X		DOOR	WOOD	GOOD	15	3	0.3	
95	HALLWAY LINEN CLOSET DOOR FRAME	X		DOOR	WOOD	GOOD	12	3	−0.5	
96	HALLWAY LINEN CLOSET SHELF	X		DOOR	WOOD	GOOD	12	3	−0.5	
97	HALLWAY LINEN CLOSET WALL	X		WALL	DRYWALL	GOOD	12	3	−0.4	
98	BEDROOM DOOR FRONT	X		DOOR	WOOD	GOOD	9	3	0.1	
99	BEDROOM DOOR JAM	X		DOOR	WOOD	GOOD	14	3	0.5	
100	BEDROOM DOOR FRAME	X		DOOR	WOOD	GOOD	15	3	−0.2	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm²

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

3807 DICKERSON ROAD, SUITE I NASHVILLE, TN 37207 (615) 865–8813 FAX (615) 868–4140

XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: Living Quarters 11

PROJECT LOCATION: Defense Depot, Memphis, TN

PROJECT DATE: 12/08/95

XRF ACTION LEVEL: 1.0 mg/cm2

TECHNICIAN: Camille Therrien

LABORATORY ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT	EXT	COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT.%
21	Den Wall Upper	X		Wall	Brick	Good	25	3	0.1	
22	Den Wall Lower	X		Wall	Brick	Good	25	3	–0.2	
23	Den Window Sill	X		Window	Metal	Good	13	3	–0.6	
24	Den Window Frame	X		Window	Metal	Good	12	3	–0.4	
25	Den Ceiling	X		Ceiling	Drywall	Good	13	3	–0.1	
26	Entrance To Living Room Molding	X		Molding	Wood	Good	16	3	–0.0	
27	Living Room Wall Upper	X		Wall	Drywall	Good	12	3	–0.3	
28	Living Room Wall Lower	X		Wall	Drywall	Good	10	3	–0.1	
29	Living Room Window Sill	X		Window	Wood	Good	13	3	0.5	
30	Living Room Window Frame	X		Window	Wood	Good	13	3	0.6	
31	Entrance To Hallway Molding	X		Molding	Wood	Good	18	3	–0.2	
32	Hallway Wall Upper	X		Wall	Drywall	Good	11	3	–0.4	
33	Hallway Wall Lower	X		Wall	Drywall	Good	12	3	–0.3	
34	Bedroom Door Front	X		Door	Wood	Good	14	3	0.6	
35	Bedroom Door Back	X		Door	Wood	Good	13	3	0.4	
36	Bedroom Door Frame	X		Door	Wood	Good	14	3	0.7	
37	Bedroom Door Jam	X		Door	Wood	Good	14	3	0.8	
38	Bedroom Wall Upper	X		Wall	Drywall	Good	11	3	–0.1	
39	Bedroom Wall Lower	X		Wall	Drywall	Good	11	3	–0.6	
40	Bedroom Closed Door Front	X		Door	Wood	Good	8	3	0.2	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm2

RESOLUTION, INCORPORATED
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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: Living Quarters 11

PROJECT LOCATION: Defense Depot, Memphis, TN

PROJECT DATE: 12/08/95

XRF ACTION LEVEL: 1.0 mg/cm2

TECHNICIAN: Camille Therrien

LABORATORY ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT	EXT	COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT.%
41	Bedroom Closed Door Back	X		Door	Wood	Good	8	3	–0.1	
42	Bedroom Closed Door Jam	X		Door	Wood	Good	11	3	–0.0	
43	Bedroom Closed Door Frame	X		Door	Wood	Good	13	3	–0.7	
44	Bedroom Closet wall	X		Wall	Drywall	Good	13	3	–0.2	
45	Bedroom Shelf Frame	X		Shelf	Wood	Good	12	3	0.1	
46	Bedroom Shelf	X		Shelf	Wood	Good	12	3	–0.6	
47	Bedroom Window Sill	X		Window	Wood	Good	9	3	0.8	
48	Bedroom Window Frame	X		Window	Wood	Good	13	3	1.1	
49	Bathroom Door Front	X		Door	Wood	Good	11	3	1.4	
50	Bathroom Door Back	X		Door	Wood	Good	9	3	2.1	
51	Bathroom Door Jam	X		Door	Wood	Good	16	3	0.6	
52	Bathroom Door Frame	X		Door	Wood	Good	16	3	0.9	
53	Bathroom Wall	X		Wall	Drywall	Good	12	3	0.6	
54	Bathroom Ceiling	X		Ceiling	Drywall	Good	14	3	–0.4	
55	Bathroom Shelf Frame	X		Shelf	Wood	Good	11	3	–0.3	
56	Bathroom Shelf	X		Shelf	Wood	Good	11	3	–0.0	
57	Bathroom Door	X		Door	Wood	Good	10	3	–0.1	
58	Bathroom Window Sill	X		Window	Wood	Good	13	3	0.7	
59	Bathroom Window Frame	X		Window	Wood	Good	14	3	1.2	
60	Hallway Closet Door	X		Door	Wood	Good	8	3	–0.2	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm2

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: Living Quarters 11

PROJECT LOCATION: Defense Depot, Memphis, TN

PROJECT DATE: 12/08/95

XRF ACTION LEVEL: 1.0 mg/cm2

TECHNICIAN: Camille Therrien

LABORATORY ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT	EXT	COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT .%
61	Hallway Closet Shelf Support	X		Shelf	Wood	Good	11	3	–0.4	
62	Hallway Closet Shelf	X		Shelf	Wood	Good	13	3	–0.3	
63	Hallway Closet Wall	X		Wall	Drywall	Good	14	3	–0.3	
64	Entrance Closet Wall	X		Wall	Drywall	Good	12	3	–0.6	
65	Entrance Closet Shelf Support	X		Shelf	Wood	Good	13	3	0.2	
66	Entrance Closet Shelf	X		Shelf	Wood	Good	13	3	0.7	
67	Stairway Wall Upper	X		Wall	Drywall	Good	12	3	0.3	
68	Stairway Wall Lower	X		Wall	Drywall	Good	11	3	–0.4	
69	Stairway Window Frame	X		Window	Wood	Good	14	3	–0.2	
70	Stairway Window Sill	X		Window	Wood	Good	12	3	–0.3	
71	Entrance Door Front	X		Door	Wood	Good	16	3	17.2	
72	Entrance Door Jam	X		Door	Wood	Good	15	3	6.4	
73	Entrance Door Frame	X		Door	Wood	Good	12	3	3.1	
74	Entrance Door Back	X		Door	Wood	Good	11	3	0.3	
75	Entrance Closet Door Frame	X		Door	Wood	Good	13	3	–0.8	
76	Entrance Closet Door	X		Door	Wood	Good	13	3	–0.7	
77	Entrance Ceiling	X		Ceiling	Drywall	Good	12	3	–0.6	
78	Hallway Top of Stairs Window Sill	X		Window	Wood	Good	11	3	–0.6	
79	Hallway Top of Stairs Window Frame	X		Window	Wood	Good	13	3	–0.4	
80	Hallway Top of Stairs Wall Upper	X		Wall	Drywall	Good	13	3	–0.1	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm2

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: Living Quarters 11

PROJECT LOCATION: Defense Depot, Memphis, TN

PROJECT DATE: 12/08/95

XRF ACTION LEVEL: 1.0 mg/cm2

TECHNICIAN: Camille Therrien

LABORATORY ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT	EXT	COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT.%
81	Hallway Top of Stairs Lower	X		Wall	Drywall	Good	13	3	−0.4	
82	Entrance Molding	X		Molding	Wood	Good	15	3	0.2	
83	Hallway Closed Door Front	X		Door	Wood	Good	9	3	−0.3	
84	Hallway Closed Door Jam	X		Door	Wood	Good	14	3	−0.6	
85	Hallway Closed Door Frame	X		Door	Wood	Good	15	3	0.1	
86	Hallway Closed Door Back	X		Door	Wood	Good	8	3	−0.3	
87	Hallway Wall	X		Wall	Drywall	Good	14	3	−0.2	
88	Hallway Shelf Support	X		Shelf	Wood	Good	10	3	−0.1	
89	Hallway Shelf	X		Shelf	Wood	Good	12	3	−0.8	
90	Hallway Linen Closet Door Front	X		Door	Wood	Good	9	3	−0.4	
91	Hallway Linen Closet Door Back	X		Door	Wood	Good	14	3	−0.2	
92	Hallway Linen Closet Door Jam	X		Door	Wood	Good	14	3	0.6	
93	Hallway Linen Closet Door Frame	X		Door	Wood	Good	13	3	0.4	
94	Hallway Linen Closet Shelf	X		Shelf	Wood	Good	13	3	−0.0	
95	Hallway Linen Closet Wall	X		Wall	Drywall	Good	13	3	−0.7	
96	Bedroom Door #2 Front	X		Door	Wood	Good	10	3	0.3	
97	Bedroom Door #2 Jam	X		Door	Wood	Good	14	3	0.4	
98	Bedroom Door #2 Frame	X		Door	Wood	Good	15	3	−0.6	
99	Bedroom Door #2 Back	X		Door	Wood	Good	14	3	0.3	
100	Bedroom #2 Closet Door Front	X		Door	Wood	Good	9	3	−0.0	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm2

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: Living Quarters 11

PROJECT LOCATION: Defense Depot, Memphis, TN

PROJECT DATE: 12/08/95

XRF ACTION LEVEL: 1.0 mg/cm2

TECHNICIAN: Camille Therrien

LABORATORY ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT	EXT	COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT.%
101	Bedroom #2.Closet Door Jam	X		Door	Wood	Good	15	3	–0.7	
102	Bedroom #2 Closet Door Frame	X		Door	Wood	Good	15	3	–0.2	
103	Bedroom #2 Closet Door Shelf	X		Door	Wood	Good	13	3	–0.1	
104	Bedroom #2 Closet Door Wall	X		Door	Wood	Good	13	3	–0.1	
105	Bedroom Wall Upper	X		Wall	Drywall	Good	11	3	–0.4	
106	Bedroom Wall Lower	X		Wall	Drywall	Good	13	3	–0.6	
107	Window Frame	X		Window	Wood	Good	14	3	–0.5	
108	Window Sill	X		Window	Wood	Good	8	3	–0.8	
109	Bedroom #3 Door Front	X		Door	Wood	Good	11	3	0.5	
110	Bedroom #3 Door Jam	X		Door	Wood	Good	15	3	0.0	
111	Bedroom #3 Door Frame	X		Door	Wood	Good	13	3	–0.6	
112	Bedroom #3 Door Back	X		Door	Wood	Good	13	3	1.1	
113	Closet In Bedroom Wall	X		Wall	Drywall	Good	16	3	–0.4	
114	Closet In Bedroom Shelf Support	X		Shelf	Wood	Good	13	3	–0.2	
115	Closet In Bedroom Shelf	X		Shelf	Wood	Good	14	3	0.2	
116	Door Frame	X		Door	Wood	Good	15	3	–0.3	
117	Door Jam	X		Door	Wood	Good	15	3	–0.5	
118	Door Front	X		Door	Wood	Good	13	3	–0.5	
119	Bedroom #3 Closet Wall	X		Wall	Drywall	Good	11	3	–0.1	
120	Bedroom #3 Wall Upper	X		Wall	Drywall	Good	13	3	–0.6	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm2

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ENVIRONMENTAL CONSULTANTS

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: Living Quarters 11

PROJECT LOCATION: Defense Depot, Memphis, TN

PROJECT DATE: 12/08/95

XRF ACTION LEVEL: 1.0 mg/cm2

TECHNICIAN: Camille Therrien

LABORATORY ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT	EXT	COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT.%
121	Bedroom #3 Lower Wall	X		Wall	Drywall	Good	12	3	–0.0	
122	Window Sill	X		Window	Wood	Good	9	3	–0.2	
123	Window Frame	X		Window	Wood	Good	12	3	–0.2	
124	Duct In Closet	X		Duct	Metal	Good	8	3	–0.1	
125	Bathroom Door Front	X		Door	Wood	Good	13	3	0.6	
126	Bathroom Door Back	X		Door	Wood	Good	9	3	1.2	
127	Bathroom Door Jam	X		Door	Wood	Good	15	3	–0.7	
128	Bathroom Door Frame	X		Door	Wood	Good	13	3	–0.4	
129	Bathroom Wall	X		Wall	Drywall	Good	11	3	–0.1	
130	Bathroom Ceiling	X		Ceiling	Drywall	Good	13	3	–0.2	
131	Bathroom Window Sill	X		Window	Wood	Good	15	3	–0.3	
132	Bathroom Window Frame	X		Window	Wood	Good	14	3	–0.4	
133	Master Bedroom Door	X		Door	Wood	Good	13	3	–0.1	
134	Master Bedroom Door Front	X		Door	Wood	Good	15	3	–0.1	
135	Master Bedroom Door Back	X		Door	Wood	Good	15	3	0.1	
136	Master Bedroom Door Jam	X		Door	Wood	Good	13	3	–0.0	
137	Master Bedroom Door Frame	X		Door	Wood	Good	9	3	1.1	
138	Master Bedroom Window Sill	X		Window	Wood	Good	14	3	0.4	
139	Master Bedroom Window Frame	X		Window	Wood	Good	14	3	–0.2	
140	Master Bedroom Wall Upper	X		Wall	Drywall	Good	12	3	–0.6	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm2

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: Living Quarters 11

PROJECT LOCATION: Defense Depot, Memphis, TN

PROJECT DATE: 12/08/95

XRF ACTION LEVEL: 1.0 mg/cm2

TECHNICIAN: Camille Therrien

LABORATORY ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT	EXT	COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT.%
141	Master Bedroom Wall Lower	X		Wall	Drywall	Good	11	3	–0.3	
142	Master Bedroom Hallway Molding	X		Molding	Wood	Good	13	3	0.3	
143	Master Bedroom Walk–In Closet Molding	X		Molding	Wood	Good	14	3	0.2	
144	Master Bedroom Walk–In Closet Shelf	X		Shelf	Wood	Good	14	3	0.4	
145	Master Bedroom Walk–In Closet Shelf Support	X		Shelf	Wood	Good	13	3	–0.6	
146	Master Bedroom Linen Closet Door	X		Door	Wood	Good	9	3	–0.0	
147	Master Bedroom Linen Closet Door Frame	X		Door	Wood	Good	14	3	0.1	
148	Master Bedroom Linen Closet Wall	X		Wall	Drywall	Good	11	3	–0.2	
149	Master Bedroom Linen Closet Shelf Support	X		Shelf	Wood	Good	14	3	–0.8	
150	Master Bedroom Linen Closet Shelf	X		Shelf	Wood	Good	14	3	0.3	
151	Master Bathroom Door Front	X		Door	Wood	Good	9	3	0.4	
152	Master Bathroom Door Back	X		Door	Wood	Good	8	3	–0.1	
153	Master Bathroom Door Jam	X		Door	Wood	Good	14	3	–0.4	
154	Master Bathroom Door Frame	X		Door	Wood	Good	14	3	0.3	
155	Master Bathroom Wall	X		Wall	Drywall	Good	11	3	–0.6	
156	Master Bathroom Ceiling	X		Ceiling	Drywall	Good	12	3	–0.3	
157	Master Bathroom Window Sill	X		Window	Wood	Good	14	3	1.4	
158	Master Bathroom Window Frame	X		Window	Wood	Good	14	3	0.3	
159	Drip Edge		X	Drip Edge	Wood	Poor	12	3	3.6	
160	Fascia		X	Fascia	Wood	Poor	14	3	6.4	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4

PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm2

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: Living Quarters 11

PROJECT LOCATION: Defense Depot, Memphis, TN

PROJECT DATE: 12/08/95

XRF ACTION LEVEL: 1.0 mg/cm2

TECHNICIAN: Camille Therrien

LABORATORY ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT	EXT	COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT.%
161	Frame Around Basement		X	Frame	Wood	Poor	14	3	17.6	
162	Exterior Window Casing		X	Window	Metal	Poor	10	3	1.8	
163	Exterior Window Edge		X	Window	Metal	Poor	13	3	2.1	
164	Support Beam		X	Beam	Wood	Poor	11	3	–0.2	
165	Basement Door Frame		X	Frame	Wood	Poor	14	3	12.4	
166	Down Spout		X	Spout	Metal	Poor	10	3	–0.6	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm2

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: LIVING QUARTERS #12

PROJECT LOCATION: DEFENSE DEPOT, MEMPHIS, TN

PROJECT DATE: DECEMBER 7, 1995

XRF ACTION LEVEL: 1.0 mg/cm²

TECHNICIAN: CAMILLE THERRIEN

PAINT CHIP ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT		COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT .%
1	KITCHEN WALL UPPER	X		WALL	DRYWALL	GOOD	12	3	−0.2	
2	KITCHEN WALL LOWER	X		WALL	DRYWALL	GOOD	12	3	−0.3	
3	WINDOW SILL OVER SINK	X		WINDOW	METAL	GOOD	14	3	−0.1	
4	WINDOW FRAME OVER SINK	X		WINDOW	METAL	GOOD	12	3	−0.2	
5	KITCHEN CEILING	X		CEILING	DRYWALL	GOOD	11	3	−0.5	
6	KITCHEN SIDE DOOR FRONT		X	DOOR	WOOD	GOOD	14	3	−0.1	
7	KITCHEN SIDE DOOR BACK	X		DOOR	WOOD	GOOD	15	3	0.0	
8	KITCHEN SIDE DOOR JAM	X		DOOR	WOOD	GOOD	19	3	3.4	
9	KITCHEN SIDE DOOR FRAME	X		DOOR	WOOD	GOOD	15	3	0.3	
10	PANTRY WALL UPPER	X		WALL	DRYWALL	GOOD	13	3	−0.4	
11	PANTRY WALL LOWER	X		WALL	DRYWALL	GOOD	12	3	−0.2	
12	WINDOW SILL (PANTRY)	X		WINDOW	METAL	GOOD	12	3	−0.1	
13	WINDOW FRAME (PANTRY)	X		WINDOW	METAL	GOOD	14	3	−0.3	
14	ENTRANCE TO DINING ROOM MOLDING	X		MOLDING	WOOD	GOOD	15	3	0.0	
15	DINING ROOM WALL UPPER	X		WALL	DRYWALL	GOOD	14	3	−0.0	
16	DINING ROOM WALL LOWER	X		WALL	DRYWALL	GOOD	15	3	−0.2	
17	ENTRANCE TO DEN MOLDING FRAME	X		MOLDING	WOOD	GOOD	17	3	15.5	
18	DEN WALL UPPER	X		WALL	DRYWALL	GOOD	12	3	−0.2	
19	DEN WALL LOWER	X		WALL	DRYWALL	GOOD	12	3	−0.1	
20	DEN WINDOW SILL	X		WINDOW	METAL	GOOD	12	3	−0.0	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4

PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm²

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

3807 DICKERSON ROAD, SUITE I NASHVILLE, TN 37207 (615) 865–8813 FAX (615) 868–4140

XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: LIVING QUARTERS #12

PROJECT LOCATION: DEFENSE DEPOT, MEMPHIS, TN

PROJECT DATE: DECEMBER 7, 1995

XRF ACTION LEVEL: 1.0 mg/cm^2

TECHNICIAN: CAMILLE THERRIEN

PAINT CHIP ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT		COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT.%
21	WINDOW FRAME (DEN)	X		WINDOW	METAL	GOOD	12	3	−0.7	
22	DEN CEILING	X		CEILING	DRYWALL	GOOD	14	3	−0.8	
23	ENTRANCE TO LIVING ROOM MOLDING	X		MOLDING	WOOD	GOOD	14	3	0.6	
24	LIVING ROOM WALL UPPER	X		WALL	DRYWALL	GOOD	11	3	−0.4	
25	LIVING ROOM WALL LOWER	X		WALL	DRYWALL	GOOD	14	3	−0.3	
26	WINDOW SILL (LIVING ROOM)	X		WINDOW	WOOD	GOOD	14	3	1.2	
27	WINDOW FRAME (LIVING ROOM)	X		WINDOW	WOOD	GOOD	14	3	−0.0	
28	ENTRANCE TO HALLWAY MOLDING	X		MOLDING	WOOD	GOOD	14	3	0.3	
29	HALLWAY WALL UPPER	X		WALL	DRYWALL	GOOD	14	3	−0.1	
30	HALLWAY WALL LOWER	X		WALL	DRYWALL	GOOD	11	3	−0.3	
31	BEDROOM DOOR FRONT	X		DOOR	WOOD	GOOD	9	3	−0.1	
32	BEDROOM DOOR BACK	X		DOOR	WOOD	GOOD	15	3	−0.5	
33	BEDROOM DOOR FRAME	X		DOOR	WOOD	GOOD	15	3	−0.3	
34	BEDROOM DOOR JAM	X		DOOR	WOOD	GOOD	15	3	−1.5	
35	BEDROOM WALL UPPER	X		WALL	DRYWALL	GOOD	11	3	−0.6	
36	BEDROOM WALL LOWER	X		WALL	DRYWALL	GOOD	13	3	−0.0	
37	BEDROOM CLOSET DOOR FRONT	X		DOOR	WOOD	GOOD	8	3	−0.3	
38	BEDROOM CLOSET DOOR BACK	X		DOOR	WOOD	GOOD	9	3	−0.1	
39	BEDROOM CLOSET DOOR JAM	X		DOOR	WOOD	GOOD	15	3	0.5	
40	BEDROOM CLOSET DOOR FRAME	X		DOOR	WOOD	GOOD	16	3	0.8	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm^2

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: LIVING QUARTERS #12

PROJECT LOCATION: DEFENSE DEPOT, MEMPHIS, TN

PROJECT DATE: DECEMBER 7, 1995

XRF ACTION LEVEL: 1.0 mg/cm²

TECHNICIAN: CAMILLE THERRIEN

PAINT CHIP ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT		COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT .%
41	CLOSET WALL (BEDROOM)	X		WALL	DRYWALL	GOOD	14	3	–0.6	
42	SHELF FRAME (BEDROOM)	X		SHELF	WOOD	GOOD	14	3	0.3	
43	SHELF (BEDROOM)	X		SHELF	WOOD	GOOD	10	3	–0.3	
44	WINDOW SILL BEDROOM	X		WINDOW	WOOD	GOOD	10	3	0.3	
45	WINDOW FRAME BEDROOM	X		WINDOW	WOOD	GOOD	15	3	0.1	
46	BATHROOM DOOR FRONT	X		DOOR	WOOD	GOOD	10	3	0.2	
47	BATHROOM DOOR BACK	X		DOOR	WOOD	GOOD	8	3	–0.7	
48	BATHROOM DOOR JAM	X		DOOR	WOOD	GOOD	15	3	1.7	
49	BATHROOM DOOR FRAME	X		DOOR	WOOD	GOOD	16	3	0.4	
50	BATHROOM WALL	X		WALL	DRYWALL	GOOD	12	3	0.4	
51	BATHROOM CEILING	X		CEILING	DRYWALL	GOOD	14	3	0.0	
52	BATHROOM SHELVING FRAME	X		SHELF	WOOD	GOOD	16	3	0.1	
53	BATHROOM SHELVING SHELF	X		SHELF	WOOD	GOOD	11	3	0.1	
54	WINDOW SILL BATHROOM	X		WINDOW	WOOD	GOOD	13	3	0.8	
55	WINDOW FRAME BATHROOM	X		WINDOW	WOOD	GOOD	15	3	0.4	
56	HALLWAY CLOSET DOOR	X		DOOR	WOOD	GOOD	9	3	0.1	
57	CLOSET SHELF SUPPORT	X		SHELF	WOOD	GOOD	15	3	–0.4	
58	STAIRWAY WALL UPPER	X		WALL	DRYWALL	GOOD	14	3	–0.3	
59	STAIRWAY WALL LOWER	X		WALL	DRYWALL	GOOD	14	3	–0.2	
60	STAIRWAY WINDOW FRAME	X		WINDOW	WOOD	GOOD	15	3	0.3	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm²

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: LIVING QUARTERS #12

PROJECT LOCATION: DEFENSE DEPOT, MEMPHIS, TN

PROJECT DATE: DECEMBER 7, 1995

XRF ACTION LEVEL: 1.0 mg/cm²

TECHNICIAN: CAMILLE THERRIEN

PAINT CHIP ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT		COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT. %
61	STAIRWAY WINDOW SILL	X		WINDOW	WOOD	GOOD	12	3	1.0	
62	ENTRANCE DOOR FRONT	X		DOOR	WOOD	GOOD	15	3	19.6	
63	ENTRANCE DOOR JAM	X		DOOR	WOOD	GOOD	14	3	18.4	
64	ENTRANCE DOOR FRAME	X		DOOR	WOOD	GOOD	15	3	0.5	
65	ENTRANCE DOOR BACK	X		DOOR	WOOD	GOOD	15	3	1.7	
66	ENTRANCE CLOSET DOOR FRAME	X		DOOR	WOOD	GOOD	15	3	0.2	
67	ENTRANCE CLOSET DOOR	X		DOOR	WOOD	GOOD	15	3	0.2	
68	ENTRANCE CEILING	X		CEILING	DRYWALL	GOOD	9	3	0.1	
69	HALLWAY TOP OF STAIRS WINDOW SILL	X		WINDOW	WOOD	GOOD	12	3	2.4	
70	HALLWAY TOP OF STAIRS WINDOW FRAME	X		WINDOW	WOOD	GOOD	15	3	0.3	
71	HALLWAY TOP OF STAIRS UPPER	X		WALL	DRYWALL	GOOD	14	3	−0.2	
72	HALLWAY TOP OF STAIRS LOWER	X		WALL	DRYWALL	GOOD	14	3	−0.4	
73	HALLWAY TOP OF STAIRS ENT. MOLDING	X		MOLDING	WOOD	GOOD	15	3	0.3	
74	HALLWAY CLOSET DOOR FRONT	X		DOOR	WOOD	GOOD	9	3	−0.3	
75	HALLWAY CLOSET DOOR JAM	X		DOOR	WOOD	GOOD	15	3	0.3	
76	HALLWAY CLOSET DOOR FRAME	X		DOOR	WOOD	GOOD	16	3	0.2	
77	HALLWAY CLOSET DOOR BACK	X		DOOR	WOOD	GOOD	8	3	−0.1	
78	HALLWAY CLOSET WALL	X		WALL	DRYWALL	GOOD	11	3	−0.4	
79	HALLWAY CLOSET SHELF	X		SHELF	WOOD	GOOD	13	3	0.2	
80	HALLWAY LINEN CLOSET DOOR FRONT	X		DOOR	WOOD	GOOD	8	3	−0.7	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm²

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: LIVING QUARTERS #12

PROJECT LOCATION: DEFENSE DEPOT, MEMPHIS, TN

PROJECT DATE: DECEMBER 7, 1995

XRF ACTION LEVEL: 1.0 mg/cm²

TECHNICIAN: CAMILLE THERRIEN

PAINT CHIP ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT		COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT .%
81	HALLWAY LINEN CLOSET DOOR BACK	X		DOOR	WOOD	GOOD	8	3	−0.5	
82	HALLWAY LINEN CLOSET DOOR JAM	X		DOOR	WOOD	GOOD	15	3	−0.1	
83	HALLWAY LINEN CLOSET DOOR FRAME	X		DOOR	WOOD	GOOD	15	3	0.1	
84	HALLWAY LINEN CLOSET SHELF	X		SHELF	WOOD	GOOD	12	3	−0.1	
85	HALLWAY LINEN CLOSET WALL	X		WALL	DRYWALL	GOOD	14	3	−0.4	
86	BEDROOM #2 DOOR FRONT	X		DOOR	WOOD	GOOD	9	3	−0.1	
87	BEDROOM #2 DOOR JAM	X		DOOR	WOOD	GOOD	14	3	0.2	
88	BEDROOM #2 DOOR FRAME	X		DOOR	WOOD	GOOD	14	3	−0.3	
89	BEDROOM #2 DOOR BACK	X		DOOR	WOOD	GOOD	9	3	−0.1	
90	BEDROOM #2 CLOSET DOOR FRONT	X		DOOR	WOOD	GOOD	9	3	−0.4	
91	BEDROOM #2 CLOSET DOOR JAM	X		DOOR	WOOD	GOOD	14	3	0.2	
92	BEDROOM #2 CLOSET DOOR FRAME	X		DOOR	WOOD	GOOD	14	3	0.1	
93	BEDROOM #2 CLOSET SHELF	X		SHELF	WOOD	GOOD	9	3	−0.6	
94	BEDROOM #2 CLOSET WALL	X		WALL	DRYWALL	GOOD	14	3	−0.4	
95	BEDROOM #2 WALL UPPER	X		WALL	DRYWALL	GOOD	14	3	−0.3	
96	BEDROOM #2 WALL LOWER	X		WALL	DRYWALL	GOOD	13	3	−0.2	
97	BEDROOM #2 WINDOW FRAME	X		WINDOW	WOOD	GOOD	14	3	0.4	
98	BEDROOM #2 WINDOW SILL	X		WINDOW	WOOD	GOOD	10	3	0.8	
99	BEDROOM #3 DOOR FRONT	X		DOOR	WOOD	GOOD	9	3	−0.1	
100	BEDROOM #3 DOOR JAM	X		DOOR	WOOD	GOOD	14	3	−0.0	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm²

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: LIVING QUARTERS #12

PROJECT LOCATION: DEFENSE DEPOT, MEMPHIS, TN

PROJECT DATE: DECEMBER 7, 1995

XRF ACTION LEVEL: 1.0 mg/cm²

TECHNICIAN: CAMILLE THERRIEN

PAINT CHIP ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT		COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT .%
101	BEDROOM #3 DOOR FRAME	X		DOOR	WOOD	GOOD	14	3	−0.4	
102	BEDROOM #3 DOOR BACK	X		DOOR	WOOD	GOOD	9	3	0.1	
103	CLOSET BEDROOM #3 WALL	X		WALL	DRYWALL	GOOD	14	3	−0.3	
104	CLOSET BEDROOM #3 SHELF SUPPORT	X		SHELF	WOOD	GOOD	12	3	−0.1	
105	CLOSET BEDROOM #3 SHELF	X		SHELF	WOOD	GOOD	12	3	−0.1	
106	CLOSET BEDROOM #3 DOOR FRAME	X		DOOR	WOOD	GOOD	15	3	−0.1	
107	CLOSET BEDROOM #3 DOOR JAM	X		DOOR	WOOD	GOOD	14	3	−0.2	
108	CLOSET BEDROOM #3 DOOR FRONT	X		DOOR	WOOD	GOOD	9	3	−0.2	
109	BEDROOM #3 CLOSET WALL	X		WALL	DRYWALL	GOOD	14	3	−0.3	
110	BEDROOM #3 WALL UPPER	X		WALL	DRYWALL	GOOD	12	3	−0.5	
111	BEDROOM #3 WALL LOWER	X		WALL	DRYWALL	GOOD	14	3	−0.4	
112	BEDROOM #3 WINDOW SILL	X		WINDOW	WOOD	GOOD	11	3	1.1	
113	BEDROOM #3 WINDOW FRAME	X		WINDOW	WOOD	GOOD	14	3	0.1	
114	BATHROOM DOOR FRONT	X		DOOR	WOOD	GOOD	9	3	0.0	
115	BATHROOM DOOR BACK	X		DOOR	WOOD	GOOD	9	3	−0.2	
116	BATHROOM DOOR JAM	X		DOOR	WOOD	GOOD	15	3	0.5	
117	BATHROOM DOOR FRAME	X		DOOR	WOOD	GOOD	15	3	0.7	
118	BATHROOM WALL	X		WALL	DRYWALL	GOOD	14	3	−0.8	
119	BATHROOM CEILING	X		CEILING	DRYWALL	GOOD	14	3	−0.1	
120	BATHROOM WINDOW SILL	X		WINDOW	WOOD	GOOD	14	3	0.6	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm²

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: LIVING QUARTERS #12

PROJECT LOCATION: DEFENSE DEPOT, MEMPHIS, TN

PROJECT DATE: DECEMBER 7, 1995

XRF ACTION LEVEL: 1.0 mg/cm²

TECHNICIAN: CAMILLE THERRIEN

PAINT CHIP ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT		COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT.%
121	BATHROOM WINDOW FRAME	X		WINDOW	WOOD	GOOD	15	3	0.4	
122	MASTER BEDROOM DOOR FRONT	X		DOOR	WOOD	GOOD	9	3	−0.1	
123	MASTER BEDROOM DOOR BACK	X		DOOR	WOOD	GOOD	9	3	−0.2	
124	MASTER BEDROOM DOOR JAM	X		DOOR	WOOD	GOOD	14	3	0.1	
125	MASTER BEDROOM DOOR FRAME	X		DOOR	WOOD	GOOD	14	3	0.5	
126	MASTER BEDROOM WINDOW SILL	X		WINDOW	WOOD	GOOD	12	3	−0.2	
127	MASTER BEDROOM WINDOW FRAME	X		WINDOW	WOOD	GOOD	16	3	0.2	
128	MASTER BEDROOM WALL UPPER	X		WALL	DRYWALL	GOOD	14	3	−0.1	
129	MASTER BEDROOM WALL LOWER	X		WALL	DRYWALL	GOOD	13	3	−0.4	
130	MASTER BEDROOM HALLWAY MOLDING	X		MOLDING	WOOD	GOOD	15	3	0.2	
131	MST. BEDROOM WALK IN CLOSET MOLDING	X		MOLDING	WOOD	GOOD	13	3	0.1	
132	MASTER BEDROOM WALK IN CLOSET SHELF	X		SHELF	WOOD	GOOD	13	3	−0.3	
133	MST.BEDRM.WALK IN CLST. SHELF SUPPORT	X		SHELF	WOOD	GOOD	13	3	−0.1	
134	MST.BEDRM. LINEN CLOSET DOOR	X		DOOR	WOOD	GOOD	13	3	0.0	
135	MST.BEDRM. LINEN CLOSET DOOR FRAME	X		DOOR	WOOD	GOOD	15	3	0.2	
136	MASTER BEDROOM LINEN CLOSET WALL	X		WALL	DRYWALL	GOOD	11	3	−0.5	
137	MST.BEDRM.LINEN CLOSET SHELF SUPPORT	X		SHELF	WOOD	GOOD	15	3	−3.3	
138	MASTER BEDROOM LINEN CLOSET SHELF	X		SHELF	WOOD	GOOD	13	3	0.1	
139	MASTER BEDROOM DOOR FRONT	X		DOOR	WOOD	GOOD	9	3	−0.2	
140	MASTER BEDROOM DOOR BACK	X		DOOR	WOOD	GOOD	9	3	−0.2	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm²

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

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XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: LIVING QUARTERS #12

PROJECT LOCATION: DEFENSE DEPOT, MEMPHIS, TN

PROJECT DATE: DECEMBER 7, 1995

XRF ACTION LEVEL: 1.0 mg/cm²

TECHNICIAN: CAMILLE THERRIEN

PAINT CHIP ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT		COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT.%
141	MASTER BEDROOM BATHROOM DOOR JAM	X		DOOR	WOOD	GOOD	15	3	0.2	
142	MASTER BEDROOM BATHROOM DOOR FRAME	X		DOOR	WOOD	GOOD	15	3	0.1	
143	MASTER BEDROOM BATHROOM WALL	X		WALL	DRYWALL	GOOD	13	3	−0.1	
144	MASTER BEDROOM BATHROOM CEILING	X		CEILING	DRYWALL	GOOD	13	3	−0.1	
145	MASTER BEDRM.BATHROOM WINDOW SILL	X		WINDOW	WOOD	GOOD	12	3	1.5	
146	MASTER BEDRM.BATHROOM WINDOW FRAME	X		WINDOW	WOOD	GOOD	14	3	14.6	
147	DRIP EDGE		X	DRIP EDGE	WOOD	POOR	14	3	3.9	
148	FASCIA		X	FASCIA	WOOD	POOR	14	3	4.1	
149	FRAME AROUND BASEMENT		X	FRAME	WOOD	POOR	14	3	17.6	
150	EXTERIOR WINDOW CASING		X	WINDOW	METAL	GOOD	13	3	1.4	
151	EXTERIOR WINDOW LEDGE		X	WINDOW	METAL	GOOD	13	3	1.2	
152	SUPPORT BEAM		X	BEAM	WOOD	GOOD	9	3	−0.3	
153	BASEMENT STORAGE DOOR FRONT		X	DOOR	WOOD	POOR	13	3	−0.2	
154	BASEMENT STORAGE DOOR BACK		X	DOOR	WOOD	POOR	14	3	−0.1	
155	ENTRANCE TO BASEMENT DOOR JAM		X	DOOR	WOOD	POOR	14	3	15.7	
156	ENTRANCE TO BASEMENT DOOR FRAME		X	DOOR	WOOD	POOR	13	3	12.6	
157	BASEMENT STEP		X	STEP	WOOD	POOR	14	3	1.4	
158	DOWN SPOUT		X	SPOUT	METAL	GOOD	10	3	−0.6	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm²

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

3807 DICKERSON ROAD, SUITE I NASHVILLE, TN 37207 (615) 865–8813 FAX (615) 868–4140

XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: Unit 13

PROJECT LOCATION: Defense Depot, Memphis, TN

PROJECT DATE: 12/07/95

XRF ACTION LEVEL: 1.0 mg/cm2

TECHNICIAN: Camille Therrien

LABORATORY ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT	EXT	COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT.%
1	Kitchen Upper	X		Wall	Drywall	Good	11	3	−0.4	
2	Kitchen Lower	X		Wall	Drywall	Good	12	3	−1.3	
3	Window Sill Over sink	X		Window	Metal	Good	14	3	0.0	
4	Window Sill Frame	X		Window	Metal	Good	11	3	−0.2	
5	Kitchen Ceiling	X		Ceiling	Drywall	Good	16	3	−0.3	
6	Side Door Front		X	Door	Wood	Good	14	3	0.2	
7	Side Door Back	X		Door	Wood	Good	15	3	−0.3	
8	Side Door Jam	X		Door	Wood	Good	16	3	4.0	
9	Side Door Frame	X		Door	Wood	Good	15	3	0.3	
10	Pantry Wall Upper	X		Wall	Drywall	Good	16	3	−0.8	
11	Pantry Wall Lower	X		Wall	Drywall	Good	15	3	−0.7	
12	Window Sill Pantry	X		Window	Metal	Good	13	3	−0.2	
13	Window Frame Pantry	X		Window	Metal	Good	12	3	−0.2	
14	Entrance To Dining Room Molding	X		Molding	Wood	Good	14	3	1.0	
15	Sliding Door	X		Door	Wood	Good	7	3	0.3	
16	Dining Room Wall Upper	X		Wall	Drywall	Good	13	3	−0.3	
17	Dining Room Wall Lower	X		Wall	Drywall	Good	14	3	0.4	
18	Entrance To Den Molding Frame	X		Molding	Wood	Good	16	3	18.6	
19	Den Wall Upper	X		Wall	Brick	Good	25	3	−0.2	
20	Den Wall Lower	X		Wall	Brick	Good	25	3	0.0	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm2

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

3807 DICKERSON ROAD, SUITE I NASHVILLE, TN 37207 (615) 865–8813 FAX (615) 868–4140

XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: Unit 13

PROJECT LOCATION: Defense Depot, Memphis, TN

PROJECT DATE: 12/07/95

XRF ACTION LEVEL: 1.0 mg/cm2

TECHNICIAN: Camille Therrien

LABORATORY ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT	EXT	COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT.%
21	Window Sill Den	X		Window	Metal	Good	12	3	0.0	
22	Window Frame Den	X		Window	Metal	Good	12	3	−0.2	
23	Den Ceiling	X		Ceiling	Drywall	Good	14	3	−1.0	
24	Entrance To Living Room Molding	X		Molding	Wood	Good	16	3	1.7	
25	Living Room Wall Upper	X		Wall	Drywall	Good	11	3	−0.0	
26	Living Room Wall Lower	X		Wall	Drywall	Good	12	3	−0.0	
27	Window Sill Living Room	X		Window	Wood	Good	10	3	1.7	
28	Window Frame Living Room	X		Window	Wood	Good	14	3	0.1	
29	Entrance To Hallway Molding	X		Molding	Wood	Good	14	3	0.0	
30	Hallway Wall Upper	X		Wall	Drywall	Good	14	3	0.2	
31	Hallway Wall Lower	X		Wall	Drywall	Good	16	3	−0.1	
32	Bedroom Door Front	X		Door	Wood	Good	13	3	0.0	
33	Bedroom Door Back	X		Door	Wood	Good	9	3	0.3	
34	Bedroom Door Frame	X		Door	Wood	Good	14	3	0.5	
35	Bedroom Door Jam	X		Door	Wood	Good	15	3	0.3	
36	Bedroom Wall Upper	X		Wall	Drywall	Good	11	3	−0.3	
37	Bedroom Wall Lower	X		Wall	Drywall	Good	11	3	−0.4	
38	Bedroom Door Closed Front	X		Door	Wood	Good	13	3	2.2	
39	Bedroom Door Closed Back	X		Door	Wood	Good	12	3	4.0	
40	Bedroom Door Closed Jam	X		Door	Wood	Good	15	3	0.7	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm2

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

3807 DICKERSON ROAD, SUITE I NASHVILLE, TN 37207 (615) 865–8813 FAX (615) 868–4140

XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: Unit 13

PROJECT LOCATION: Defense Depot, Memphis, TN

PROJECT DATE: 12/07/95

XRF ACTION LEVEL: 1.0 mg/cm2

TECHNICIAN: Camille Therrien

LABORATORY ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT	EXT	COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT.%
41	Bedroom Closed Door Frame	X		Door	Wood	Good	16	3	0.5	
42	Closet Wall (Bedroom)	X		Wall	Drywall	Good	13	3	0.2	
43	Shelf Frame (Bedroom)	X		Shelf	Wood	Good	13	3	0.2	
44	Shelf Bedroom	X		Shelf	Wood	Good	10	3	−0.4	
45	Window Sill	X		Window	Wood	Good	10	3	1.7	
46	Window Frame	X		Window	Wood	Good	14	3	−1.6	
47	Bathroom Door Front	X		Door	Wood	Good	14	3	0.9	
48	Bathroom Door Back	X		Door	Wood	Good	13	3	0.4	
49	Bathroom Door Jam	X		Door	Wood	Good	16	3	1.3	
50	Bathroom Door Frame	X		Door	Wood	Good	16	3	0.9	
51	Bathroom Wall	X		Wall	Drywall	Good	12	3	0.2	
52	Bathroom Ceiling	X		Ceiling	Drywall	Good	15	3	−0.8	
53	Bathroom Shelving Frame	X		Shelf	Wood	Good	15	3	0.3	
54	Bathroom Shelving Shelf	X		Shelf	Wood	Good	11	3	−0.1	
55	Bathroom Shelving Door	X		Shelf	Wood	Good	8	3	−0.0	
56	Window Sill Bathroom	X		Window	Wood	Good	11	3	0.8	
57	Window Frame Bathroom	X		Window	Wood	Good	15	3	1.6	
58	Hallway Closet Door	X		Door	Wood	Good	9	3	2.3	
59	Hallway Closet Shelf Support	X		Shelf	Wood	Good	12	3	−0.3	
60	Hallway Closet Shelf	X		Shelf	Wood	Good	12	3	−0.1	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.4
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm2

RESOLUTION, INCORPORATED
ENVIRONMENTAL CONSULTANTS

3807 DICKERSON ROAD, SUITE I NASHVILLE, TN 37207 (615) 865–8813 FAX (615) 868–4140

XRF LBP SAMPLE COLLECTION DATA PAGE

PROJECT NAME: Unit 13

PROJECT LOCATION: Defense Depot, Memphis, TN

PROJECT DATE: 12/07/95

XRF ACTION LEVEL: 1.0 mg/cm2

TECHNICIAN: Camille Therrien

LABORATORY ACTION LEVEL: 0.5% WT

SAMPLE I. D.	AREA TESTED	INT	EXT	COMPONENT	SUBSTRATE	COATING CONDITION	SUB DENSITY	CYCLES	RESULTS mg/cm2	PAINT CHIP WT.%
61	Hallway Closet Wall	X		Wall	Drywall	Good	11	3	–1.5	
62	Entrance Closet Wall	X		Wall	Drywall	Good	11	3	–0.5	
63	Entrance Shelf Support	X		Shelf	Wood	Good	13	3	0.4	
64	Entrance Shelf	X		Shelf	Wood	Good	12	3	0.4	
65	Stairway Wall Upper	X		Wall	Drywall	Good	14	3	–0.5	
66	Stairway Wall Lower	X		Wall	Drywall	Good	14	3	–0.3	
67	Stairway Window Frame	X		Window	Wood	Good	15	3	0.9	
68	Stairway Window Sill	X		Window	Wood	Good	11	3	2.1	
69	Entrance Door Front	X		Door	Wood	Good	9	3	19.8	
70	Entrance Door Jam	X		Door	Wood	Good	7	3	19.1	
71	Entrance Door Frame	X		Door	Wood	Good	16	3	0.0	
72	Entrance Door Back	X		Door	Wood	Good	12	3	6.4	
73	Hallway Top of Stairs Window Sill	X		Window	Wood	Good	12	3	0.8	
74	Hallway Top of Stairs Window Frame	X		Window	Wood	Good	12	3	1.4	
75	Hallway Top of Stairs Upper	X		Wall	Drywall	Good	12	3	–0.1	
76	Hallway Top of Stairs Lower	X		Wall	Drywall	Good	12	3	–0.3	
77	Entrance Molding	X		Molding	Wood	Good	15	3	0.6	
78	Hallway Closet Door Front	X		Door	Wood	Good	13	3	0.8	
79	Hallway Closet Door Jam	X		Door	Wood	Good	16	3	0.5	
80	Hallway Closet Door Frame	X		Door	Wood	Good	16	3	0.1	

ALL TESTING BEING PERFORMED WITH: WARRINGTON "MICROLEAD I" LEAD–BASED PAINT ANALYZER REVISION 4 UNIT #775.481
PAINT CHIP TAKEN WHEN XRF READING WAS .5 – 1.5 mg/cm2

APPENDIX B

UNIT INSPECTION/DATA ENTRY FORMS

Unit Inspection/Data Entry Form

Development #: 213 **Development Name :** DOS **Building #:** 5 **Apartment #:** ___
Street Address : ___ **Inspected By :** [illegible] **Date :** 11-25-[illegible]

Selection Criteria/Conditions:
EBL Child: ___ Yes or ___ No
Worst Case: ___ or Random Sample: ✓
Code Citations: ___ Yes or ___ No

Reoccupied within 12 months: ___ Yes or ✓ No
Housekeeping: ✓ (G)ood ___ (F)air or ___ (P)oor

Living Room	Surf. Loc. Code	Sub-strate Code*	(G)ood, (F)air, (P)oor, (N)one Substrate Condition	Paint Condition	Sample Dimensions in inches	Field Sample No.	Lab Sample No.	Notes:
Window well #1 (LR)	1	2	G	–	32 • x 6 •	087		.114SF
Window sill if no well #1 (LR)	2				• x •			
Floor – Under Window (LR)	3	1	G	G	12 • x 12 •	088		1SF
Floor – Other (LR) **	4				• x •			
Kitchen								
Window well #1 (Kitchen)	5	3	G	G	3.5 • x 30 •	080		.73 SF
Window sill if no well #1 (Kitchen)	6				• x •			
Floor – Under Window (Kitchen)	7	1	E	E	12 • x 12 •	079		1SF
Floor – Other (Kitchen) **	8				• x •			
Bedrooms (1st priority is bedrooms with children.)								
Bedroom #1								
Window well #1 (BR 1)	9	2	G	–	31 • x 9 •	082		.65SF
Window sill if no well #1 (BR 1)	10				• x •			
Floor – Under Window (BR 1)	11	1	G	–	12 • x 12 •	081		1SF
Floor – Other (BR 1) **	12				• x •			
Bedroom #2								
Window well #1 (BR 2)	13	2	E	–	31 • x 2 •	085		.43 SF
Window sill if no well #1 (BR 2)	14				• x •			
Floor – Under Window (BR 2)	15	1	G	G	12 • x 12 •	083		1SF
Floor – Other (BR 2) **	16				• x •			
Soil Samples—Bare soil preferred. Record soil samples from scattered sites only, as defined in instructions.								
Soil <3' from foundation	17					086		
Soil 10'–20' from foundation	18					087		
Soil near primary entry	19							
Soil Other (See instructions)	20							

Notes:

086 Front [illegible]
087 Back [illegible] Bottom corner
088 Back [illegible] Bottom corner back

*Substrate Codes: 1. Wood 2. Bare Metal 3. Painted Metal 4. Marble/Synthetic Marble/Plastic Laminate 5. Brick or Block Masonry 6. Bare Concrete 7. Painted Concrete 8. Soft Vinyl Tile or Rubber 9. Ceramic or Quarry Tile 10. Terrazzo 11. Carpet

**Take "Floor – Other" sample from corner, main entry or under paint in poor condition. Indicate location in notes.

040

Unit Inspection/Data Entry Form

Development #: 2163 **Development Name :** [illegible] **Building #:** 7 **Apartment #:** ____
Street Address : ____ **Inspected By :** Randy Bell **Date :** 11-28-95

Selection Criteria/Conditions:
EBL Child: ___ Yes or ___ No
Worst Case: ___ or Random Sample: ✓
Code Citations: ___ Yes or ___ No

Reoccupied within 12 months: ___ Yes or ✓ No
Housekeeping: ___ (G)ood ___ (F)air or ___ (P)oor

Living Room	Sust. Loc. Code	Sub-strate Code*	(G)ood, (F)air, (P)oor, (N)one Substrate Condition	Paint Condition	Sample Dimensions in Inches	Field Sample No.	Lab Sample No.	Notes:
Window well #1 (LR)	1	2	G	–	30"x 3"	043		.63 SF
Window sill if no well #1 (LR)	2				"x "			
Floor – Under Window (LR)	3	1	G	G	12"x 12"	042		1SF
Floor – Other (LR) **	4				"x "			
Kitchen								
Window well #1 (Kitchen)	5				"x "			
Window sill if no well #1 (Kitchen)	6	3	F	F	30"x 3.5"	041		.73
Floor – Under Window (Kitchen)	7	8	F	F	12"x 12"	040		1SF
Floor – Other (Kitchen) **	8				"x "			
Bedrooms (1st priority to bedrooms with children.)								
Bedroom #1								
Window well #1 (BR 1)	9	2	F	–	30"x 3"	045		.63 SF
Window sill if no well #1 (BR 1)	10				"x "			
Floor – Under Window (BR 1)	11	1	G	G	12"x 12"	046		1SF
Floor – Other (BR 1) **	12				"x "			
Bedroom #2								
Window well #1 (BR 2)	13	2	F		30"x 3"	048		.63 SF
Window sill if no well #1 (BR 2)	14				"x "			
Floor – Under Window (BR 2)	15				"x "			
Floor – Other (BR 2) **	16	1	F	P	12"x 12"	047		Floor + flakes 1SF
Soil Samples—Bare soil preferred. Record soil samples from scattered sites only, as defined in instructions.								
Soil <3' from foundation	17					050		
Soil 10'–20' from foundation	18					051		
Soil near primary entry	19							
Soil Other (See instructions)	20							

Notes:
Front Drip Line Door 044
Front Drip Line 049

*Substrate Codes: 1. Wood 2. Bare Metal 3. Painted Metal 4. Marble/Synthetic Marble/Plastic Laminate 5. Brick or Block Masonry 6. Bare Concrete 7. Painted Concrete 8. Soft Vinyl Tile or Rubber 9. Ceramic or Quarry Tile 10. Terrazzo 11. Carpet

**Take "Floor – Other" sample from corner, main entry or under paint in poor condition. Indicate location in notes.

052

Unit Inspection/Data Entry Form

Development #: 2163 **Development Name :** Don **Building #:** 5 **Apartment #:**

Street Address : **Inspected By :** LB **Date :** 11-25-

Selection Criteria/Conditions:

EBL Child: ___ Yes or ___ No

Worst Case: ___ or Random Sample: ✓

Code Citations: ___ Yes or ___ No

Reoccupied within 12 months: ___ Yes or ✓ No

Housekeeping: ✓ (G)ood ___ (F)air or ___ (P)oor

Living Room	Surf. Loc. Code	Sub-strate Code*	(G)ood, (F)air, (P)oor, (N)one — Substrate Condition	Paint Condition	Sample Dimensions in Inches	Field Sample No.	Lab Sample No.	Notes:
Window well #1 (LR)	1	2	F	—	31"x 2"	058		.43 SF
Window sill if no well #1 (LR)	2				"x "			
Floor – Under Window (LR)	3	1	G	G	12"x 12"	059		1SF
Floor – Other (LR) **	4				"x "			

Kitchen	Surf. Loc. Code	Sub-strate Code*	Substrate Condition	Paint Condition	Sample Dimensions in Inches	Field Sample No.	Lab Sample No.	Notes:
Window well #1 (Kitchen)	5				"x "			
Window sill if no well #1 (Kitchen)	6	3	F	F	30"x4.5"	60		.94SF
Floor – Under Window (Kitchen)	7				"x "			
Floor – Other (Kitchen) **	8	1	G	F	12"x 12"	061		Kitchen shelves 1SF

Bedrooms (1st priority is bedrooms with children.)

Bedroom #1	Surf. Loc. Code	Sub-strate Code*	Substrate Condition	Paint Condition	Sample Dimensions in Inches	Field Sample No.	Lab Sample No.	Notes:
Window well #1 (BR 1)	9	2	F	—	30"x 3.5"	054		[illegible]
Window sill if no well #1 (BR 1)	10				"x "			
Floor – Under Window (BR 1)	11	1	G	G	12"x 12"	055		1SF
Floor – Other (BR 1) **	12				"x "			

Bedroom #2	Surf. Loc. Code	Sub-strate Code*	Substrate Condition	Paint Condition	Sample Dimensions in Inches	Field Sample No.	Lab Sample No.	Notes:
Window well #1 (BR 2)	13	2	F	—	31"x 2.5"	064		.54 SF
Window sill if no well #1 (BR 2)	14				"x "			
Floor – Under Window (BR 2)	15	1	G	G	12"x 12"	063		1SF
Floor – Other (BR 2) **	16				"x "			

Soil Samples—Bare soil preferred. Record soil samples from scattered sites only, as defined in instructions.

Soil Samples	Surf. Loc. Code					Field Sample No.	Lab Sample No.	Notes:
Soil <3' from foundation	17					052		
Soil 10'–20' from foundation	18							
Soil near primary entry	19					053		
Soil Other (See instructions)	20							

Notes:

056 - [illegible] Front door

057 - [illegible]

062 - main Kitchen [illegible]

065 Hall [illegible] Door (Upstairs)

*Substrate Codes: 1. Wood 2. Bare Metal 3. Painted Metal 4. Marble/Synthetic Marble/Plastic Laminate 5. Brick or Block Masonry 6. Bare Concrete 7. Painted Concrete 8. Soft Vinyl Tile or Rubber 9. Ceramic or Quarry Tile 10. Terrazzo 11. Carpet

**Take "Floor – Other" sample from corner, main entry or under paint in poor condition. Indicate location in notes.

Unit Inspection/Data Entry Form

Development #: 2163 Development Name: Doc Building #: 9 Apartment #: 1
Street Address: ______ Inspected By: Sandy Bel Date: 11-29-95

Selection Criteria/Conditions:

EBL Child: ___ Yes or ___ No
Worst Case: ___ or Random Sample: ✓
Code Citations: ___ Yes or ___ No

Reoccupied within 12 months: ✓ Yes or ___ No
Housekeeping: ✓ (G)ood ___ (F)air or ___ (P)oor

Living Room	Surf. Loc. Code	Sub-strate Code*	(G)ood, (F)air, (P)oor, (N)one Substrate Condition	Paint Condition	Sample Dimensions in Inches	Field Sample No.	Lab Sample No.	Notes:
Window well #1 (LR)	1	2	F	—	2.5" x 20"	099		.35 SF
Window sill if no well #1 (LR)	2				" x "			
Floor – Under Window (LR)	3	1	G	—	12" x 12"	098		1 SF
Floor – Other (LR) **	4			—	" x "			

Kitchen	Surf. Loc. Code	Sub-strate Code*	Substrate Condition	Paint Condition	Sample Dimensions in Inches	Field Sample No.	Lab Sample No.	Notes:
Window well #1 (Kitchen)	5				" x "			.63 SF
Window sill if no well #1 (Kitchen)	6		[illegible]	—	[illegible] " x "	[illegible]		
Floor – Under Window (Kitchen)	7				" x "			
Floor – Other (Kitchen) **	8	1	G	—	12" x 12"	09[illegible]		[illegible] 1 SF

Bedrooms (1st priority is bedrooms with children.)

Bedroom #1	Surf. Loc. Code	Sub-strate Code*	Substrate Condition	Paint Condition	Sample Dimensions in Inches	Field Sample No.	Lab Sample No.	Notes:
Window well #1 (BR 1)	9	2	F	—	2.5" x 51"	102		0.54
Window sill if no well #1 (BR 1)	10				" x "			
Floor – Under Window (BR 1)	11	1	G	—	12" x 12"	101		1 SF
Floor – Other (BR 1) **	12				" x "			

Bedroom #2	Surf. Loc. Code	Sub-strate Code*	Substrate Condition	Paint Condition	Sample Dimensions in Inches	Field Sample No.	Lab Sample No.	Notes:
Window well #1 (BR 2)	13	2	F	—	2.5" x 25"	103		.43 SF
Window sill if no well #1 (BR 2)	14				" x "			
Floor – Under Window (BR 2)	15	1	G	—	12" x 12"	10[illegible]		1 SF
Floor – Other (BR 2) **	16				" x "			

Soil Samples—Bare soil preferred. Record soil samples from scattered sites only, as defined in instructions.

	Code					Field Sample No.	Lab Sample No.	Notes
Soil <3' from foundation	17					092		Near child toy
Soil 10'–20' from foundation	18					093		
Soil near primary entry	19							
Soil Other (See instructions)	20							

Notes:

SF. Bored 09[illegible] – [illegible]
09[illegible] Field blank
[illegible] – Paint chip Hallway

*Substrate Codes: 1. Wood 2. Bare Metal 3. Painted Metal 4. Marble/Synthetic Marble/Plastic Laminate 5. Brick or Block Masonry 6. Bare Concrete 7. Painted Concrete 8. Soft Vinyl Tile or Rubber 9. Ceramic or Quarry Tile 10. Terrazzo 11. Carpet

**Take "Floor – Other" sample from corner, main entry or under paint in poor condition. Indicate location in notes.

Unit Inspection/Data Entry Form

Development #: 2163 Development Name: DOD Building #: 10 Apartment #: ____
Street Address: ____ Inspected By: I A Date: 1/28-15

Selection Criteria/Conditions:
EBL Child: ___ Yes or ___ No
Worst Case: ___ or Random Sample: ✓
Code Citations: ___ Yes or ___ No

Reoccupied within 12 months: ___ Yes or ✓ No
Housekeeping: ✓ (G)ood ___ (F)air or ___ (P)oor

Living Room	Sust. Loc. Code	Sub-strate Code*	(G)ood, (F)air, (P)oor, (N)one Substrate Condition	Paint Condition	Sample Dimensions in Inches	Field Sample No.	Lab Sample No.	Notes:
Window well #1 (LR)	1	2	G	—	32 x 3	030		.67 SF
Window sill if no well #1 (LR)	2				x			
Floor – Under Window (LR)	3	1	G	G	12 x 12	031		1SF
Floor – Other (LR) **	4				x			
Kitchen								
Window well #1 (Kitchen)	5				x			
Window sill if no well #1 (Kitchen)	6	3	F	F	30 x 4.5	037		.94 SF
Floor – Under Window (Kitchen)	7	8	F	F	12 x 12	036		1SF
Floor – Other (Kitchen) **	8				x			
Bedrooms (1st priority is bedrooms with children.)								
Bedroom #1								
Window well #1 (BR 1)	9	2	F	—	32 x 3	035		0.63SF
Window sill if no well #1 (BR 1)	10				x			
Floor – Under Window (BR 1)	11	1	G	G	12 x 12	034		1SF
Floor – Other (BR 1) **	12				x			
Bedroom #2								
Window well #1 (BR 2)	13	2	G	—	32 x 3	033		.67 SF
Window sill if no well #1 (BR 2)	14				x			
Floor – Under Window (BR 2)	15				x			
Floor – Other (BR 2) **	16	1	F	F	12 x 12	032		1SF
Soil Samples—Bare soil preferred. Record soil samples from scattered sites only, as defined in instructions.								
Soil <3' from foundation	17					039		
Soil 10'–20' from foundation	18							
Soil near primary entry	19					038		
Soil Other (See instructions)	20							

Notes:
Dust Wipe 032 3 rooms L.R. Window

*Substrate Codes: 1. Wood 2. Bare Metal 3. Painted Metal 4. Marble/Synthetic Marble/Plastic Laminate 5. Brick or Block Masonry 6. Bare Concrete 7. Painted Concrete 8. Soft Vinyl Tile or Rubber 9. Ceramic or Quarry Tile 10. Terrazzo 11. Carpet

**Take "Floor – Other" sample from corner, main entry or under paint in poor condition. Indicate location in notes.

OCD

Unit Inspection/Data Entry Form

Development #: 2163 **Development Name :** [illegible] **Building #:** 11 **Apartment #:** [illegible]
Street Address : [illegible] **Inspected By :** [illegible] **Date :** 11-28-95

Selection Criteria/Conditions:
EBL Child: ___ Yes or ___ No
Worst Case: ___ or Random Sample: ___
Code Citations: ___ Yes or ___ No

Reoccupied within 12 months: ___ Yes or ___ No
Housekeeping: ___ (G)ood ___ (F)air or ___ (P)oor

	Surf. Loc. Code	Sub-strate Code*	(G)ood, (F)air, (P)oor, (N)one Substrate Condition	Paint Condition	Sample Dimensions in Inches	Field Sample No.	Lab Sample No.	Notes:
Living Room								
Window well #1 (LR)	1				"x "			
Window sill if no well #1 (LR)	2	3	G	G	30 "x 4.5"	076		.94 SF
Floor – Under Window (LR)	3				"x "			
Floor – Other (LR) **	4	1	G	G	12 "x 12"	077		1SF
Kitchen								
Window well #1 (Kitchen)	5				"x "			
Window sill if no well #1 (Kitchen)	6	3	G	G	30 "x 4.5"	073		.94 SF
Floor – Under Window (Kitchen)	7	8	F	–	12 "x 12"	066		1SF
Floor – Other (Kitchen) **	8				"x "			
Bedrooms (1st priority is bedrooms with children.)								
Bedroom #1								
Window well #1 (BR 1)	9	2	F	–	36 "x 3"	075		.63 SF
Window sill if no well #1 (BR 1)	10				"x "			
Floor – Under Window (BR 1)	11	1	G	–	12 "x 12"	072		1SF
Floor – Other (BR 1) **	12				"x "			
Bedroom #2								
Window well #1 (BR 2)	13	2	F	–	36 "x 3"	078		.105 SF
Window sill if no well #1 (BR 2)	14				"x "			
Floor – Under Window (BR 2)	15	1	G	–	12 "x 12"	071		1SF
Floor – Other (BR 2) **	16				"x "			
Soil Samples—Bare soil preferred. Record soil samples from scattered sites only, as defined in instructions.								
Soil <3' from foundation	17					077		Poss PC
Soil 10'–20' from foundation	18					079		
Soil near primary entry	19							
Soil Other (See instructions)	20							

Notes:
074 - Front Door Frame
075 - Wood Stand [illegible]
076 - Window Sill [illegible]

*Substrate Codes: 1. Wood 2. Bare Metal 3. Painted Metal 4. Marble/Synthetic Marble/Plastic Laminate 5. Brick or Block Masonry 6. Bare Concrete 7. Painted Concrete 8. Soft Vinyl Tile or Rubber 9. Ceramic or Quarry Tile 10. Terrazzo 11. Carpet

**Take "Floor – Other" sample from corner, main entry or under paint in poor condition. Indicate location in notes.

Unit Inspection/Data Entry Form

Development #: 2163 **Development Name :** DOD **Building #:** 12 **Apartment #:** ____
Street Address : ____ **Inspected By :** Randy Bell **Date :** 3-29-96

Selection Criteria/Conditions:
EBL Child: ___ Yes or X No
Worst Case: ___ or Random Sample: ___
Code Citations: ___ Yes or ___ No

Reoccupied within 12 months: ___ Yes or ___ No
Housekeeping: ✓ (G)ood ___ (F)air or ___ (P)oor

Living Room	Surf. Loc. Code	Substrate Code*	(G)ood, (F)air, (P)oor, (N)one: Substrate Condition	Paint Condition	Sample Dimensions in Inches	Field Sample No.	Lab Sample No.	Notes:
Window well #1 (LR)	1	2	G	-	32" x 3"	003		0.67 SF
Window sill if no well #1 (LR)	2				" x "			
Floor – Under Window (LR)	3	1	G	G	12" x 12"	002		1 SF
Floor – Other (LR) **	4				" x "			
Kitchen								
Window well #1 (Kitchen)	5				" x "			
Window sill if no well #1 (Kitchen)	6	3	F	F	30" x 4.5"	004		.94 SF
Floor – Under Window (Kitchen)	7				" x "			
Floor – Other (Kitchen) **	8	1	G	F	12" x 12"	005		1 SF
Bedrooms (1st priority is bedrooms with children.)								
Bedroom #1								
Window well #1 (BR 1)	9	2	G	-	30" x 3"	006		0.63 SF
Window sill if no well #1 (BR 1)	10				" x "			
Floor – Under Window (BR 1)	11	1	G	G	12" x 12"	007		1 SF
Floor – Other (BR 1) **	12				" x "			
Bedroom #2								
Window well #1 (BR 2)	13	2	G	-	30" x 3"	008		0.625F
Window sill if no well #1 (BR 2)	14				" x "			
Floor – Under Window (BR 2)	15	1	G	F	12" x 12"	010		1 SF
Floor – Other (BR 2) **	16				" x "			
Soil Samples—Bare soil preferred. Record soil samples from scattered sites only, as defined in instructions.								
Soil <3' from foundation	17							
Soil 10'–20' from foundation	18							
Soil near primary entry	19							
Soil Other (See instructions)	20							

Notes:
DD-001 – Field Blank
PC-002 Paint Chip Downstair Bathroom Window

*Substrate Codes: 1. Wood 2. Bare Metal 3. Painted Metal 4. Marble/Synthetic Marble/Plastic Laminate 5. Brick or Block Masonry 6. Bare Concrete 7. Painted Concrete 8. Soft Vinyl Tile or Rubber 9. Ceramic or Quarry Tile 10. Terrazzo 11. Carpet

**Take "Floor – Other" sample from corner, main entry or under paint in poor condition. Indicate location in notes.

Unit Inspection/Data Entry Form

Development #: 2163 **Development Name :** Don **Building #:** 13 **Apartment #:** ____
Street Address : ____ **Inspected By :** ____ **Date :** 11-28-95

Selection Criteria/Conditions:
EBL Child: ___ Yes or ___ No
Worst Case: ___ or Random Sample: ✓
Code Citations: ___ Yes or ___ No

Reoccupied within 12 months: ✓ Yes or ___ No
Housekeeping: ✓ (G)ood ___ (F)air or ___ (P)oor

Living Room	Sust. Loc. Code	Sub-strate Code*	(G)ood, (F)air, (P)oor, (N)one Substrate Condition	Paint Condition	Sample Dimensions in Inches	Field Sample No.	Lab Sample No.	Notes:
Window well #1 (LR)	1				"x "			
Window sill if no well #1 (LR)	2	1	F	F	[illegible]"x 4.5"	[illegible]		1SF
Floor – Under Window (LR)	3				"x "	0		
Floor – Other (LR) **	4	1	G	F	12"x 12"	021		1SF front of door
Kitchen								
Window well #1 (Kitchen)	5				"x "			
Window sill if no well #1 (Kitchen)	6	1	F	P	32"x 4.5"	018		1SF
Floor – Under Window (Kitchen)	7	8	G	G	12"x 12"	019		1SF
Floor – Other (Kitchen) **	8				"x "			
Bedrooms (1st priority is bedrooms with children.)								
Bedroom #1								
Window well #1 (BR 1)	9	1	F	F	32"x 3"	022		.67SF
Window sill if no well #1 (BR 1)	10				"x "			
Floor – Under Window (BR 1)	11				"x "			
Floor – Other (BR 1) **	12	1	G	G	12"x 12"	[illegible]3		In Front of Door 1SF
Bedroom #2								
Window well #1 (BR 2)	13	1	F	F	32"x 3"	025		.67SF
Window sill if no well #1 (BR 2)	14				"x "			
Floor – Under Window (BR 2)	15	1	G	G	[illegible]"x 12"	026		1SF
Floor – Other (BR 2) **	16				"x "			
Soil Samples—Bare soil preferred. Record soil samples from scattered areas only, as defined in instructions.								
Soil <3' from foundation	17					028		
Soil 10'–20' from foundation	18							
Soil near primary entry	19					027		
Soil Other (See instructions)	20							

Notes:
Paint Chip Door Jamb 026 Entrance Door

*Substrate Codes: 1. Wood 2. Bare Metal 3. Painted Metal 4. Marble/Synthetic Marble/Plastic Laminate 5. Brick or Block Masonry 6. Bare Concrete 7. Painted Concrete 8. Soft Vinyl Tile or Rubber 9. Ceramic or Quarry Tile 10. Terrazzo 11. Carpet

**Take "Floor – Other" sample from corner, main entry or under paint in poor condition. Indicate location in notes.

Community Space Inspection/Data Entry Form

Development #: 2163 **Development Name:** DOD **Street Address:** [illegible]
Building Number 195 **and/or Name:** [illegible]
Inspected by: [illegible] **Date :** [illegible]

Community Space #1	Sust. Loc. Code	Sub-strate Code*	(G)ood, (F)air, (P)oor, (N)one Substrate Condition	Paint Condition	Sample Dimensions in inches	Field Sample Number	Lab Sample Number	Notes (record the use of community spaces i.e. Day Care Center, Recreation Room, Well Baby Clinic, etc.)
Waiting Area > 400 Sq.Ft. – #1	21				•x•			
Waiting Area > 400 Sq.Ft. – #2	22				•x•			
Comm.Sp.<2000'--Floor #1	23				•x•			
Comm.Sp.<2000'--Floor #2	24				•x•			
Comm.Sp.<2000'--Window #1	25	1	2	2	32•x 5•	[illegible]		1.18 SF
Comm.Sp.<2000'--Window #1	26				•x•			
Field Blank						AD-001		
(Add one sample of each type for each additional 2000 sq.ft.)								
Comm.Sp>2000'--Floor #1	27	R	F	F	12•x12•	[illegible]		1SF
Comm.Sp>2000'--Floor #2	28				•x•			
Comm.Sp>2000'--Window #1	29	1	F	F	12•x12•	[illegible]		[illegible] SF
Comm.Sp>2000'--Window #2	30				•x•			
Community Space #2						[illegible]		
Comm.Sp.<2000'--Floor #1	31	[illegible]	[illegible]	[illegible]	12•x12•	[illegible]		1SF
Comm.Sp.<2000'--Floor #2	32				•x•			
Comm.Sp.<2000'--Window #1	33	[illegible]	[illegible]	[illegible]	[illegible]•x[illegible]•	[illegible]		.78SF
Comm.Sp.<2000'--Window #1	34				•x•			
Paint chip [illegible]			[illegible]	[illegible]	[illegible]	[illegible]		
(Add one sample of each type for each additional 2000 sq.ft.)								
Comm.Sp>2000'--Floor #1	35				•x•			
Comm.Sp>2000'--Floor #2	36				•x•			
Comm.Sp>2000'--Window #1	37				•x•			
Comm.Sp>2000'--Window #2	38				•x•			
[illegible]						[illegible]		
Community Space #3								
Comm.Sp.<2000'--Floor #1	39	1	G	F	12•x[illegible]•	[illegible]		1SF
Comm.Sp.<2000'--Floor #2	40				•x•			
Comm.Sp.<2000'--Window #1	41	[illegible]	[illegible]	[illegible]	[illegible]•x[illegible]•	[illegible]		.8[illegible]SF
Comm.Sp.<2000'--Window #1	42				•x•			
[illegible]			[illegible]			[illegible]		
(Add one sample of each type for each additional 2000 sq.ft.)								
Comm.Sp>2000'--Floor #1	43				•x•			
Comm.Sp>2000'--Floor #2	44				•x•			
Comm.Sp>2000'--Floor #3	45				•x•			
Comm.Sp>2000'--Floor #4	46				•x•			
Comm.Sp>2000'--Floor #5	47				•x•			
Comm.Sp>2000'--Window #1	48				•x•			
Comm.Sp>2000'--Window #2	49				•x•			
Comm.Sp>2000'--Window #3	50				•x•			
Comm.Sp>2000'--Window #4	51				•x•			
Comm.Sp>2000'--Window #5	52				•x•			

*Substrate Codes: 1. Wood 2. Bare Metal 3. Painted Metal 4. Marble/Synthetic Marble/Plastic Laminate 5. Brick or Block Masonry
6. Bare Concrete 7. Painted Concrete 8. Soft Vinyl Tile or Rubber 9. Ceramic or Quarry Tile 10. Terrazzo 11. Carpet

Soil Sample Data Entry Form

Development #: DOD **Development Name:** [illegible]
Street Address: [illegible] **Inspected by:** [illegible] **Date:** [illegible]

Soil from playgrounds/tot lots	Surface Location Code	Field Sample Number	Lab Sample Number	Notes
Soil from play area #1	82	[illegible]		[illegible]
Soil from play area #2	83	[illegible]		[illegible]
Soil from play area #3	84	[illegible]	016	[illegible]
Soil from play area #4	85			

Soil at curbside of highest traffic roadway accessible to children

Soil at roadway	86	[illegible]		Near parking lot

Soil samples from Building # 165 **, Located at (street address)** _____

Soil < 3' from foundation–side #1	Soil	87	013	
Soil < 3' from foundation–side #2		88		
Soil < 3' from foundation–side #3		89		
Soil < 3' from foundation–side #4		90		
Soil 10'–20' from foundation–side #1		91		
Soil 10'–20' from foundation–side #2		92		

Soil samples from Building # _____ **, Located at (street address)** _____

Soil < 3' from foundation–side #1		93		
Soil < 3' from foundation–side #2		94		
Soil < 3' from foundation–side #3		95		
Soil < 3' from foundation–side #4		96		
Soil 10'–20' from foundation–side #1		97		
Soil 10'–20' from foundation–side #2		98		

Soil samples from Building # _____ **, Located at (street address)** _____

Soil < 3' from foundation–side #1		99		
Soil < 3' from foundation–side #2		100		
Soil < 3' from foundation–side #3		101		
Soil < 3' from foundation–side #4		102		
Soil 10'–20' from foundation–side #1		103		
Soil 10'–20' from foundation–side #2		104		

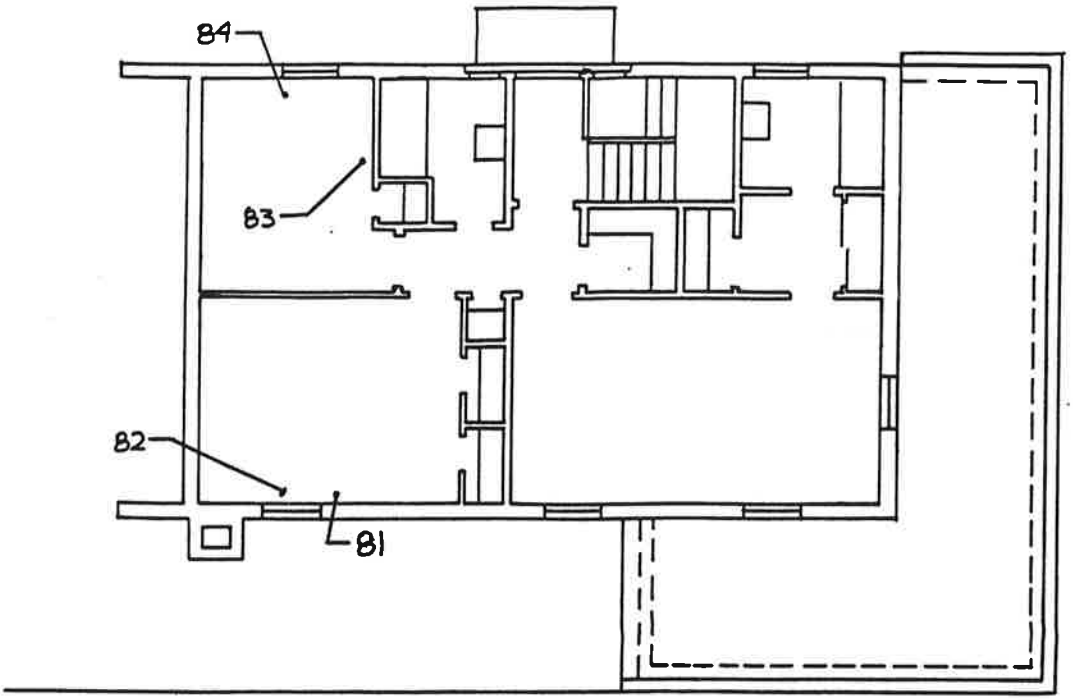
Soil samples from Building # _____ **, Located at (street address)** _____

Soil < 3' from foundation–side #1		105		
Soil < 3' from foundation–side #2		106		
Soil < 3' from foundation–side #3		107		
Soil < 3' from foundation–side #4		108		
Soil 10'–20' from foundation–side #1		109		
Soil 10'–20' from foundation–side #2		110		

Use additional forms as needed.

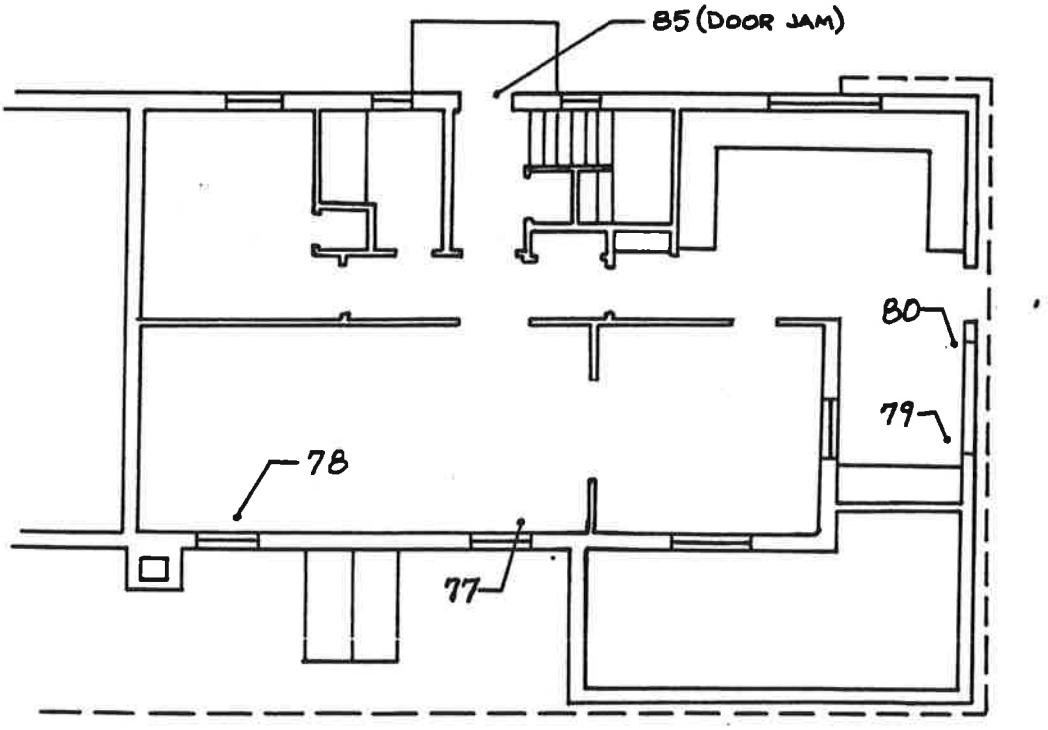
APPENDIX C

WIPE, SOIL AND PAINT CHIP SAMPLE LOCATIONS

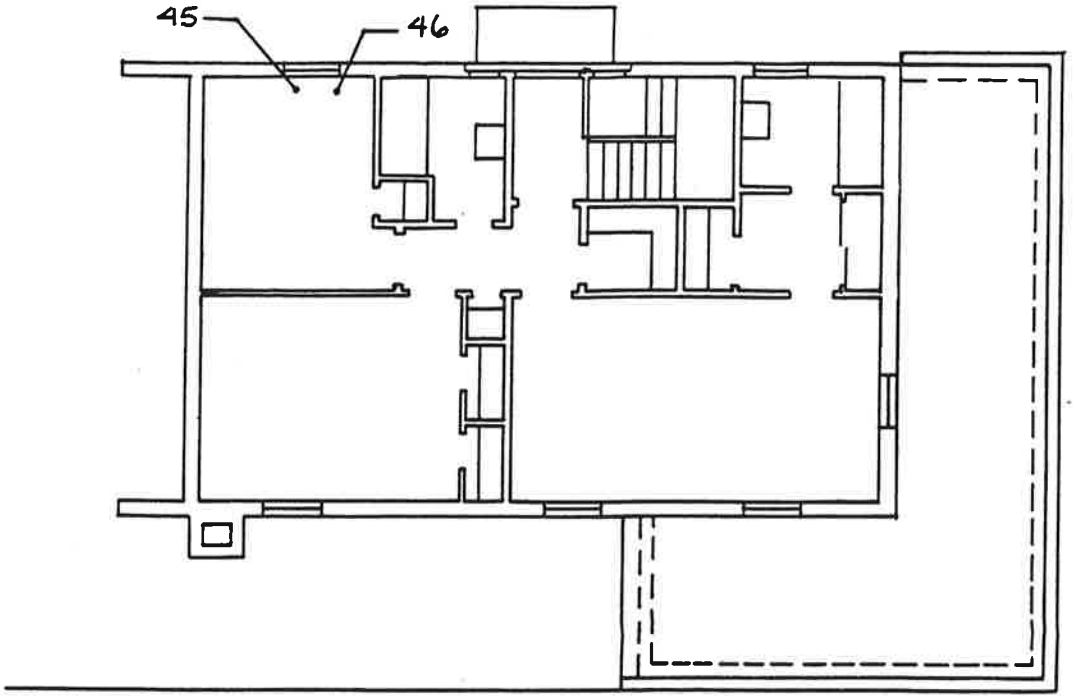


SECOND FLOOR PLAN

APT.# 6



FIRST FLOOR PLAN



SECOND FLOOR PLAN

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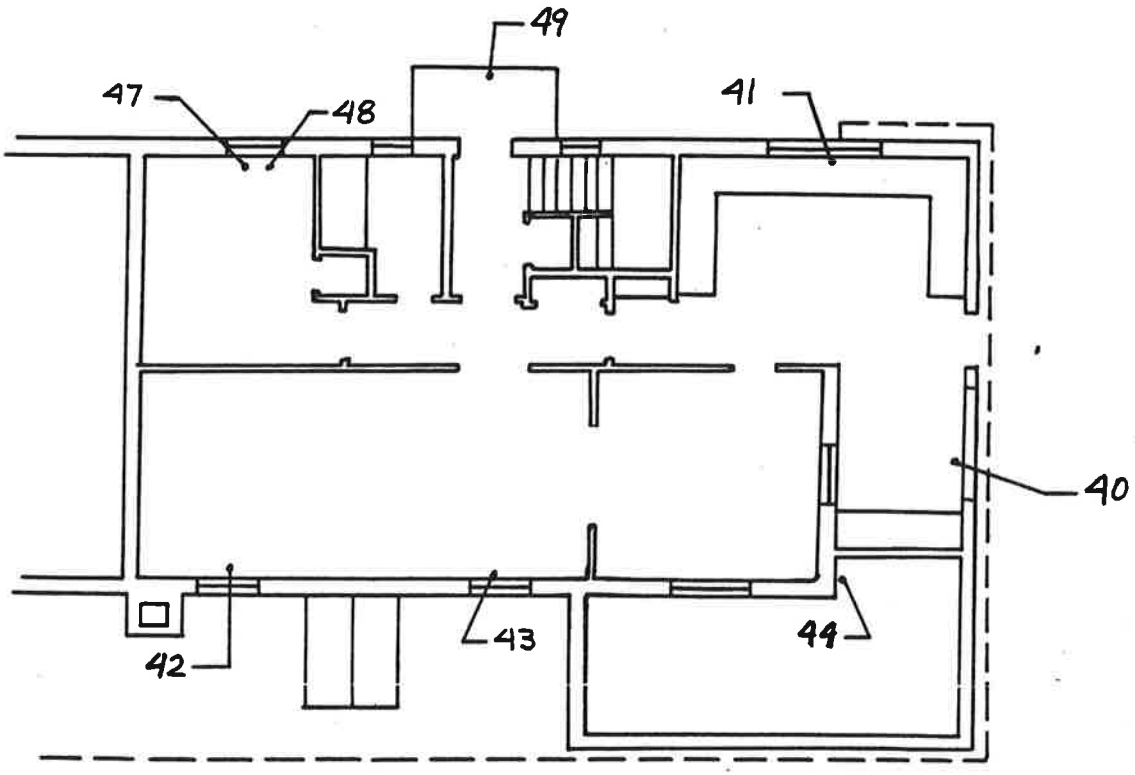

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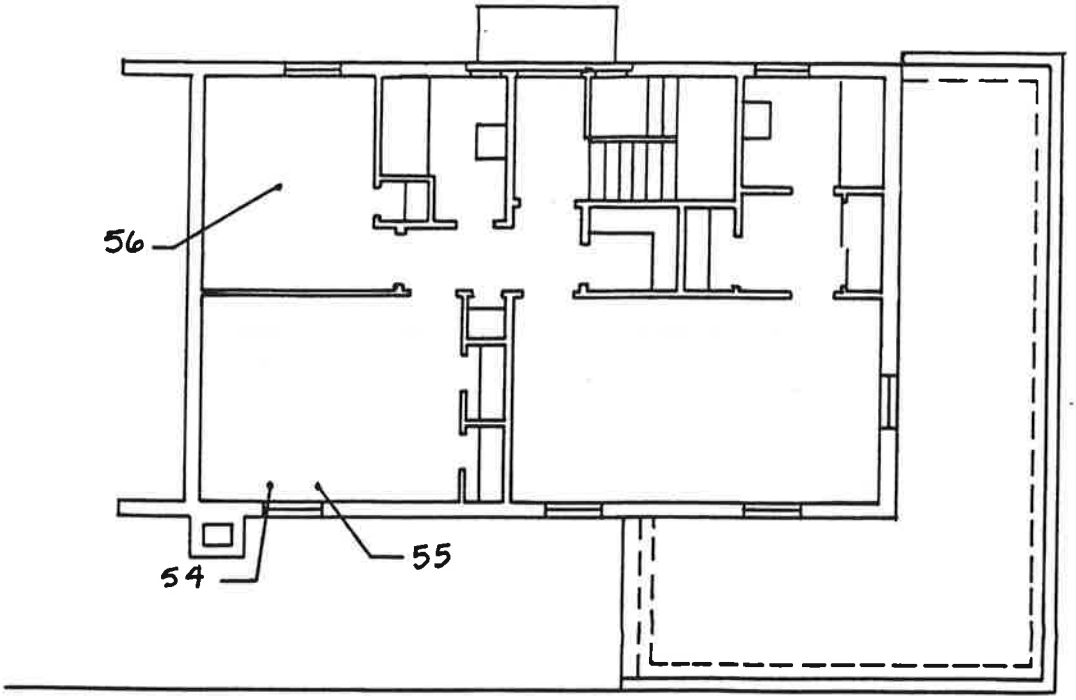

SECOND FLOOR PLAN

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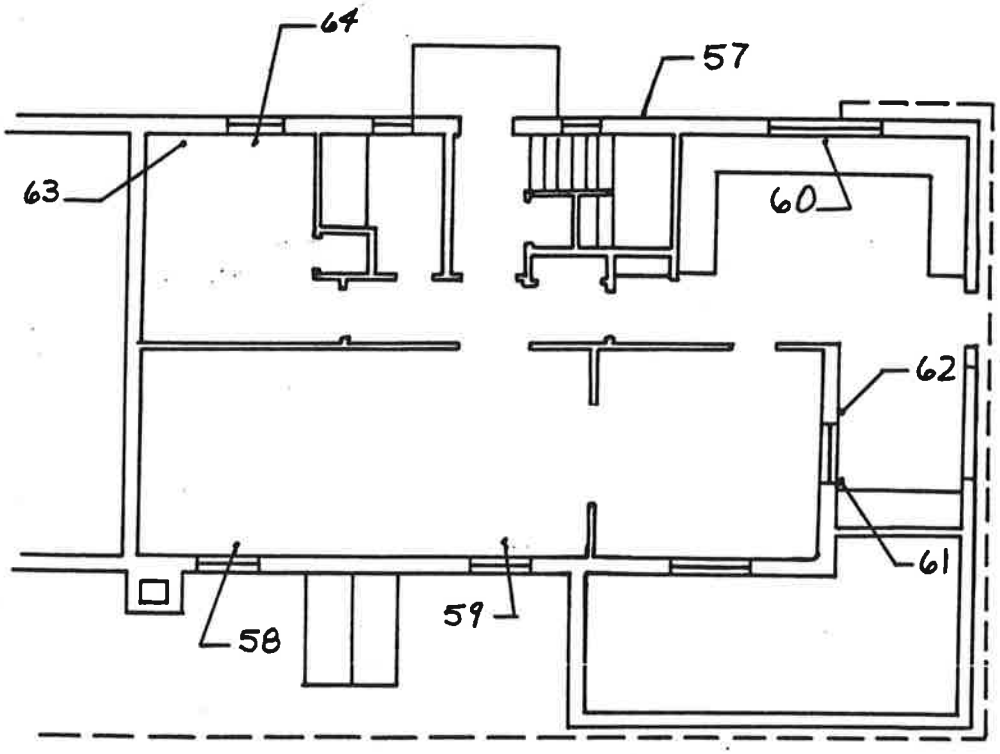
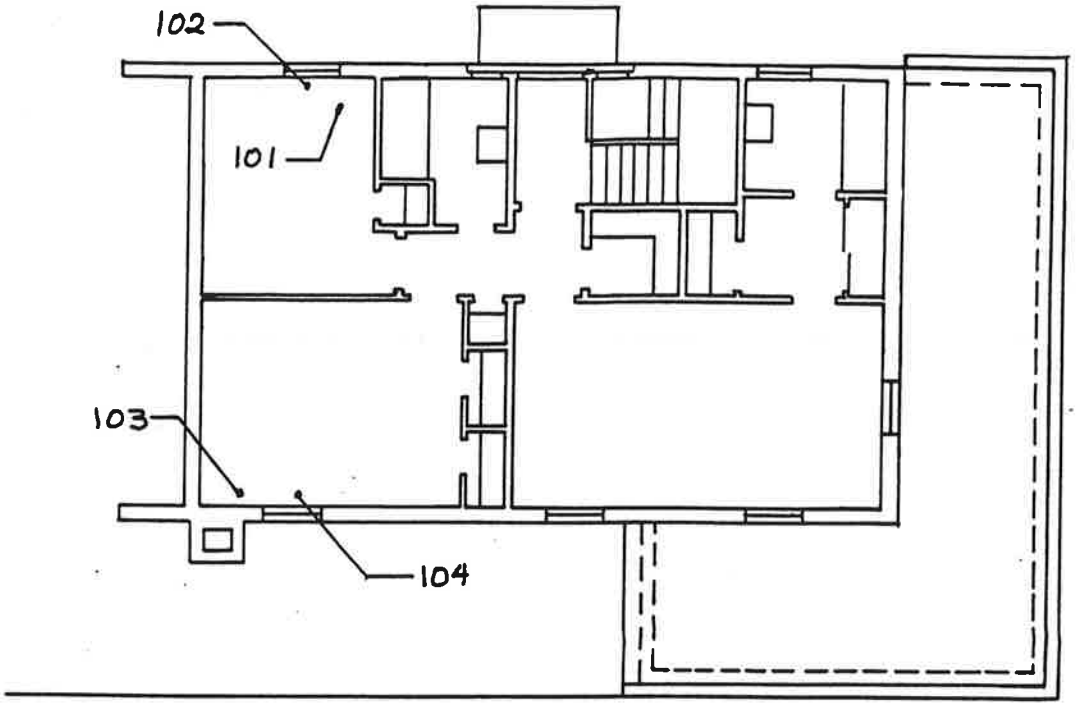
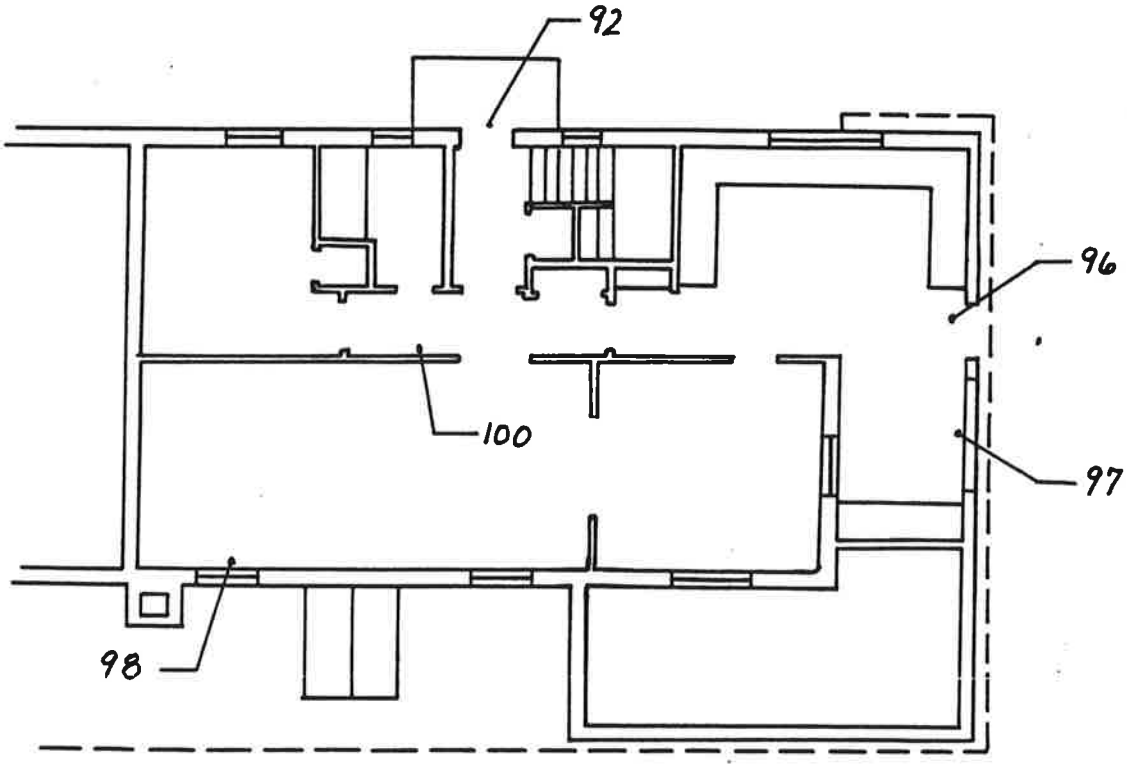


FIRST FLOOR PLAN

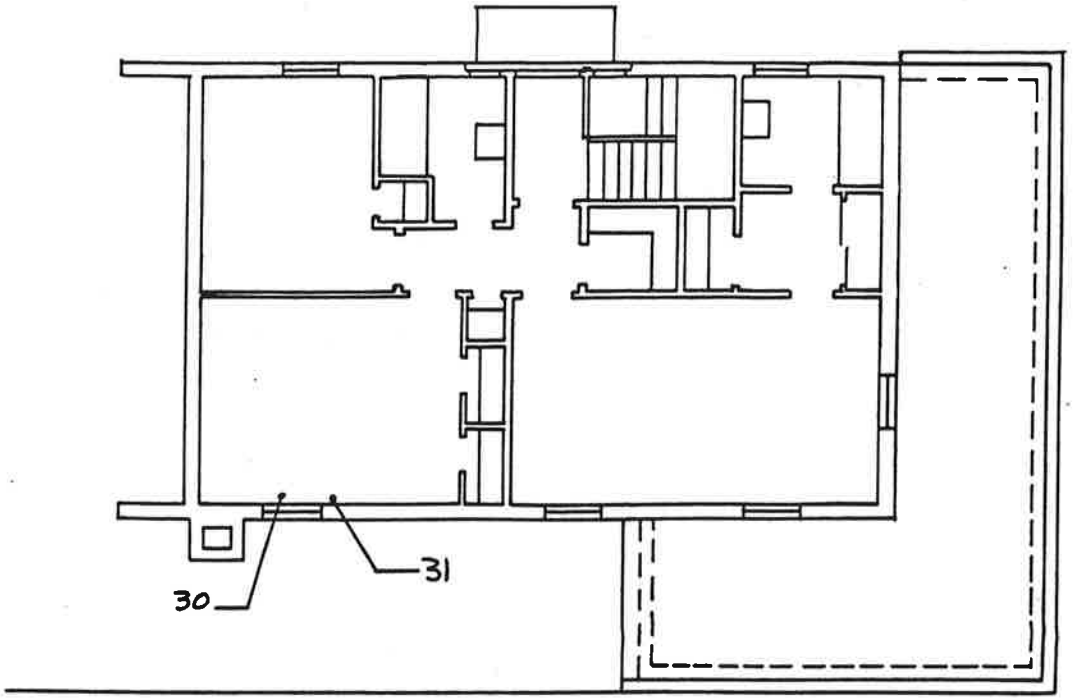


SECOND FLOOR PLAN

APT.# 9

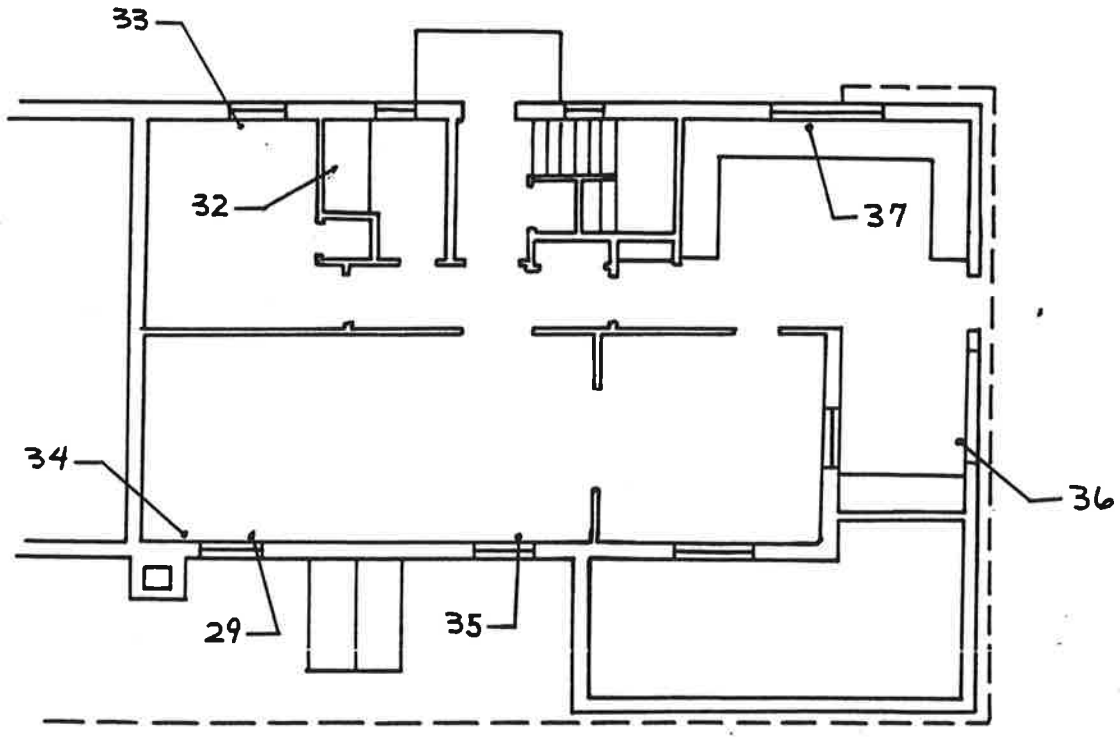


FIRST FLOOR PLAN

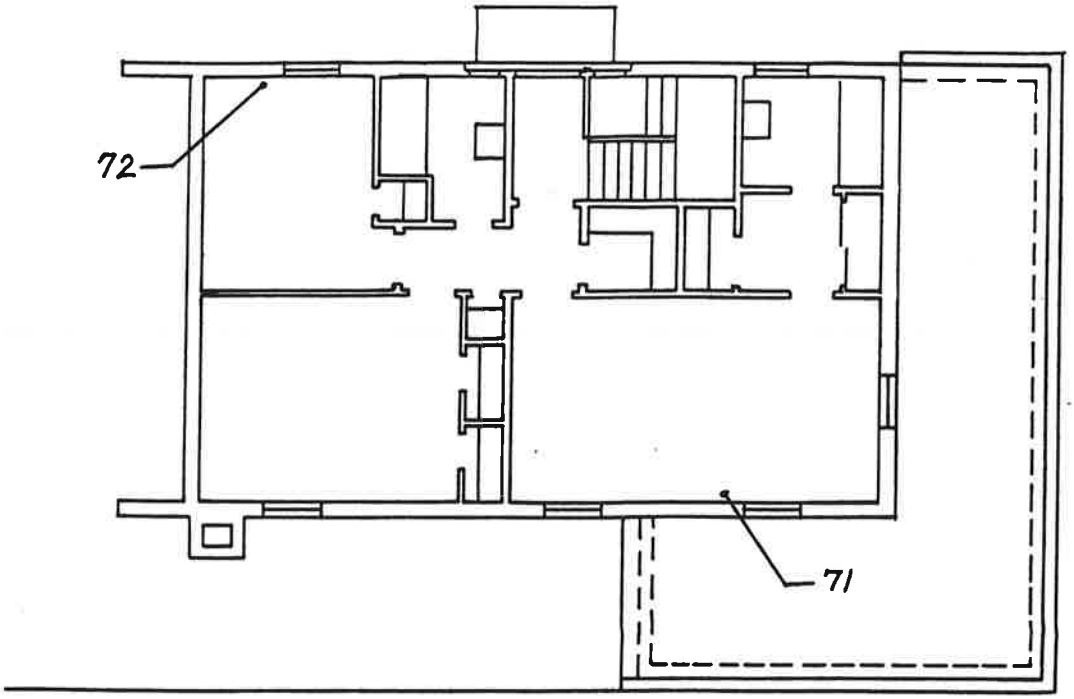


SECOND FLOOR PLAN

APT.# 10

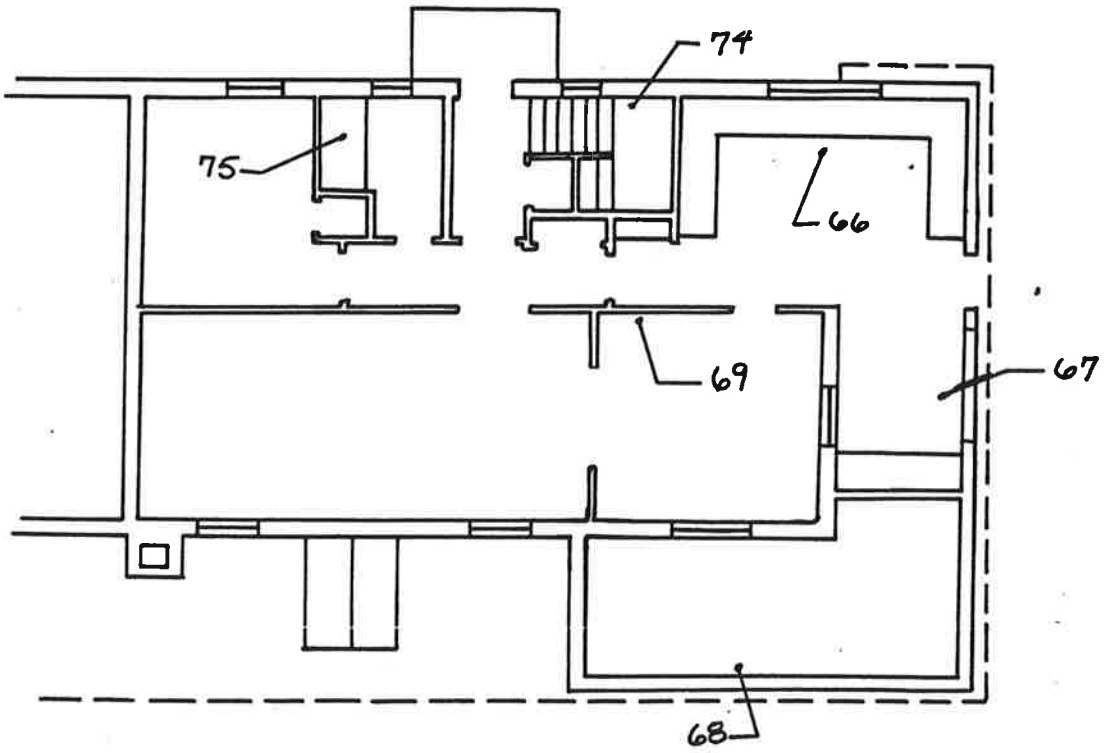


FIRST FLOOR PLAN

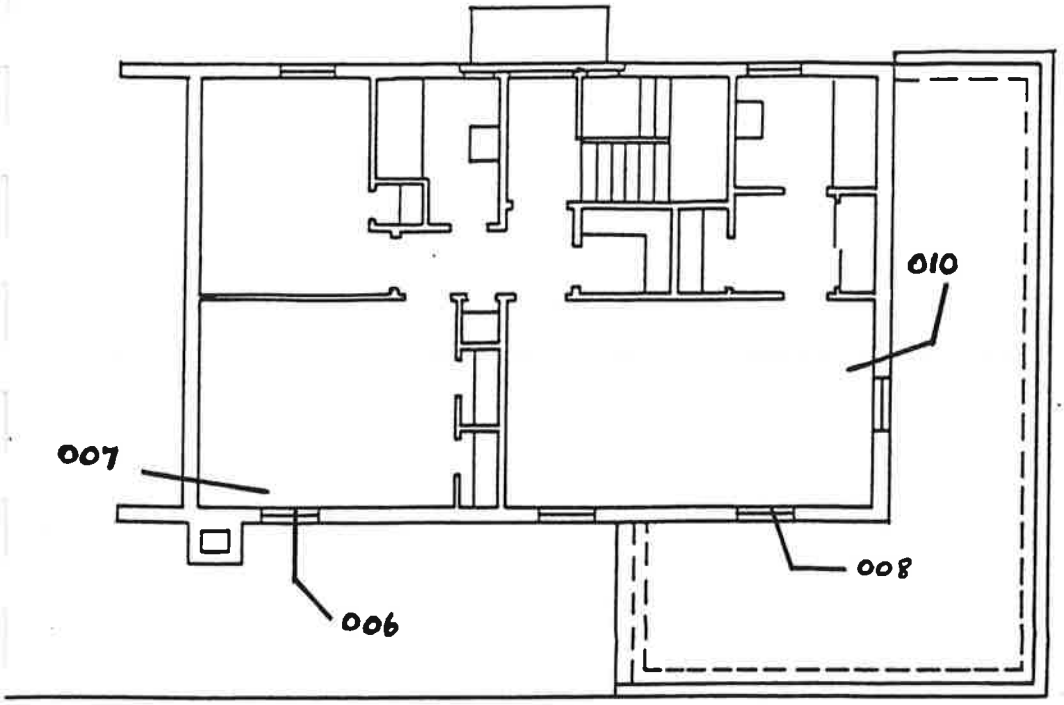


SECOND FLOOR PLAN

APT.# 11

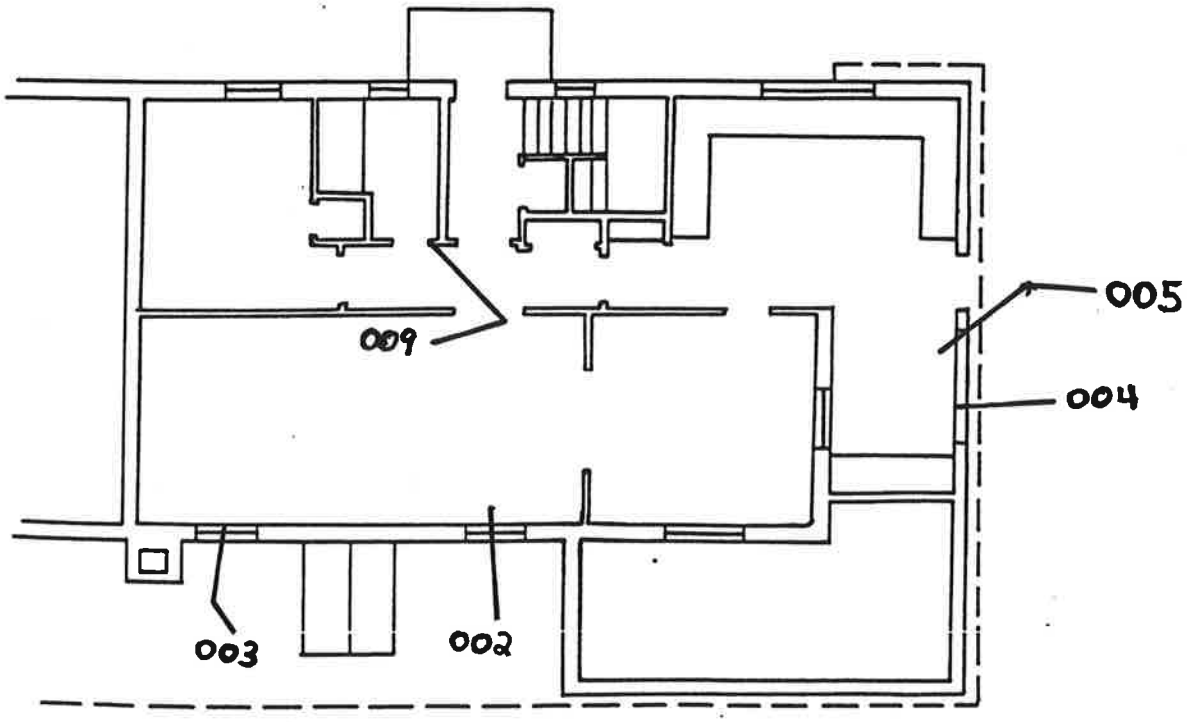


FIRST FLOOR PLAN

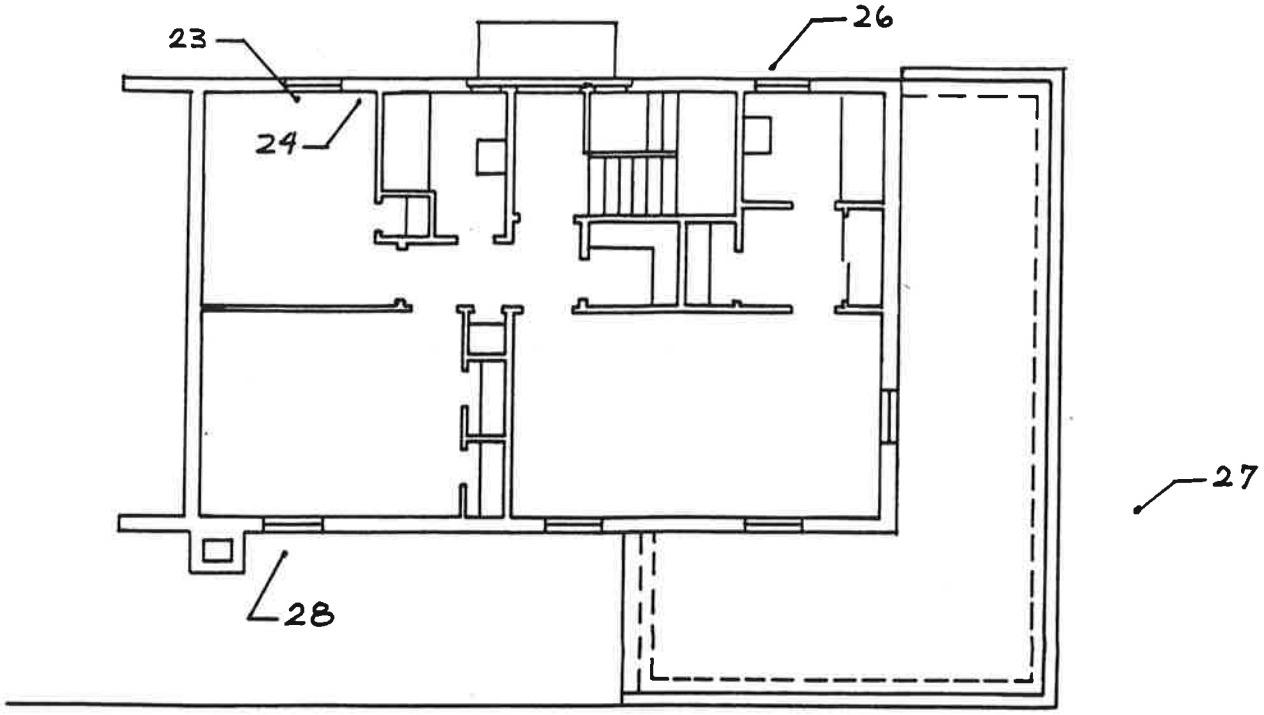


SECOND FLOOR PLAN

APT.# 12

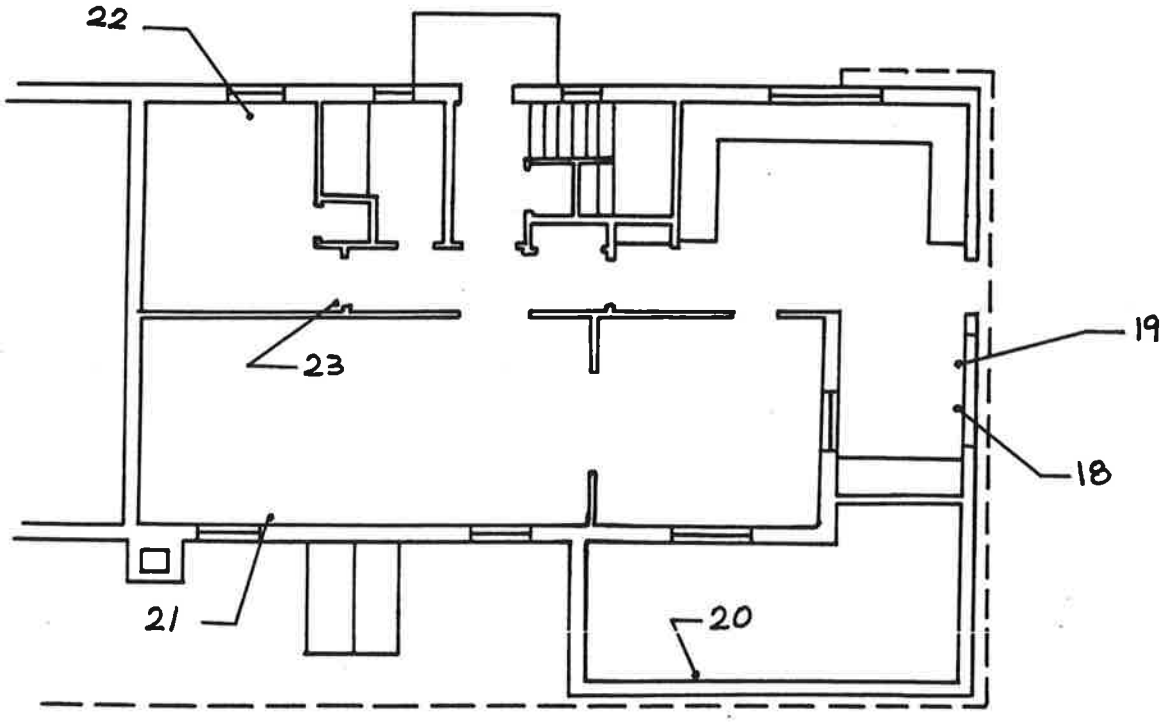


FIRST FLOOR PLAN

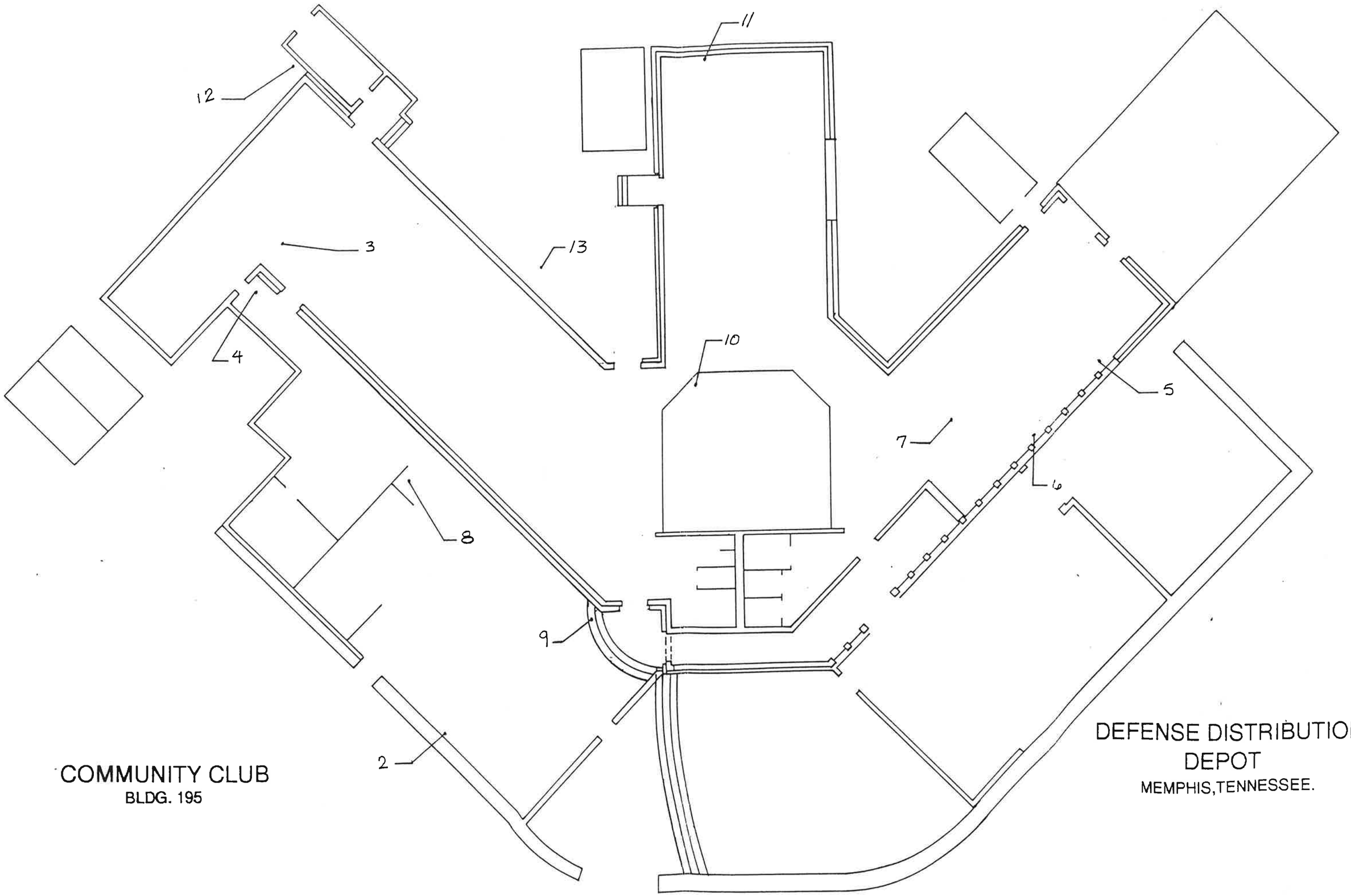


SECOND FLOOR PLAN

APT.# 13



FIRST FLOOR PLAN



COMMUNITY CLUB
BLDG. 195

DEFENSE DISTRIBUTION
DEPOT
MEMPHIS, TENNESSEE.

APPENDIX D

SUMMARY OF ANALYTICAL RESULTS

E.S. Laboratory, Inc.

LEAD WIPE FAX RESULTS

CLIENT NUMBER 217
NAME Barge, Waggoner, Sumner and Cannon
ADDRESS 162 3rd Avenue.
Nashville , TN 37201
TELEPHONE 615 254-1500 FAX 615 255-6572
CONTACT Mr. Randy Bell
JOB NUMBER 120195-0466 P.O. NUMBER 13897-10
PROJECT DEFENSE DIST DEPOT MEMPHIS

DATE RECEIVED 12/01/95 DATE SAMPLED 00/00/00 DATE REQUESTED 12/05/95

SAMPLE NUMBER	CLIENT SAMPLE NUMBER	ug/ft2	MDL
9311	AD-001	<0.660	0.660
9312	AD-002	0.660	0.660
9313	AD-003	<0.660	0.660
9314	AD-004	<0.660	0.660
9315	AD-005	<0.660	0.660
9316	AD-006	1.617	0.660
9320	AD-010	0.870	0.660
9321	AD-011	<0.660	0.660
9328	AD-018	1.368	0.660
9329	AD-019	0.995	0.660
9330	AD-020	1.741	0.660
9331	AD-021	0.995	0.660
9332	AD-022	124.724	0.660
9333	AD-023	1.865	0.660
9334	AD-024	2.784	0.660
9335	AD-025	97.255	0.660
9340	AD-030	101.152	0.660
9341	AD-031	3.606	0.660
9342	AD-032	6.342	0.660
9343	AD-033	322.945	0.660
9344	AD-034	4.352	0.660
9345	AD-035	139.354	0.660
9346	AD-036	3.233	0.660
9347	AD-037	86.782	0.660
9350	AD-040	<0.660	0.660

CURRENT HUD GUIDELINES
REQUIRE WIPE SAPMLES
TO BE LESS THAN:
FLOOR 200ug
WINDOW SILL 500ug
WINDOW WELL 800ug
* MDL = MINIMUM DETECTION LIMIT

AUTHORIZED SIGNATURE

ANALYTICAL CHEMIST
DATE 12/05/95

421 Main Street • P.O. Box 111 • Spencer, WV 25276
(304) 927-0022 • Fax (304) 927-0023

E.S. Laboratory, Inc.

LEAD WIPE FAX RESULTS

CLIENT NUMBER 217
NAME Barge, Waggoner, Sumner and Cannon
ADDRESS 162 3rd Avenue.
Nashville , TN 37201
TELEPHONE 615 254-1500 FAX 615 255-6572
CONTACT Mr. Randy Bell
JOB NUMBER 120195-0466 P.O. NUMBER 13897-10
PROJECT DEFENSE DIST DEPOT MEMPHIS
DATE RECEIVED 12/01/95 DATE SAMPLED 00/00/00 DATE REQUESTED 12/05/95

SAMPLE NUMBER	CLIENT SAMPLE NUMBER	ug/ft2	MDL
9351	AD-041	1.022	0.660
9352	AD-042	1.119	0.660
9353	AD-043	161.066	0.660
9355	AD-045	69.282	0.660
9356	AD-046	1.617	0.660
9357	AD-047	6.964	0.660
9358	AD-048	70.072	0.660
9364	AD-054	49.400	0.660
9365	AD-055	2.238	0.660
9368	AD-058	123.485	0.660
9369	AD-059	2.860	0.660
9370	AD-060	1.455	0.660
9371	AD-061	3.358	0.660
9373	AD-063	2.114	0.660
9374	AD-064	203.339	0.660
9376	AD-066	3.358	0.660
9377	AD-067	1.984	0.660
9378	AD-068	4.630	0.660
9379	AD-069	<0.660	0.660
9380	AD-070	88.960	0.660
9381	AD-071	4.477	0.660
9382	AD-072	1.741	0.660
9383	AD-073	102.17	0.660
9389	AD-079	0.995	0.660
9390	AD-080	3.237	0.660

CURRENT HUD GUIDELINES
REQUIRE WIPE SAPMLES
TO BE LESS THAN:
FLOOR 200ug
WINDOW SILL 500ug
WINDOW WELL 800ug
* MDL = MINIMUM DETECTION LIMIT

AUTHORIZED SIGNATURE

ANALYTICAL CHEMIST
DATE 12/05/95

421 Main Street • P.O. Box 111 • Spencer, WV 25276
(304) 927-0022 • Fax (304) 927-0023

E.S. Laboratory, Inc.

LEAD WIPE FAX RESULTS

CLIENT NUMBER 217
NAME Barge, Waggoner, Sumner and Cannon
ADDRESS 162 3rd Avenue.
Nashville , TN 37201
TELEPHONE 615 254-1500 FAX 615 255-6572
CONTACT Mr. Randy Bell
JOB NUMBER 120195-0466 P.O. NUMBER 13897-10
PROJECT DEFENSE DIST DEPOT MEMPHIS

DATE RECEIVED 12/01/95 DATE SAMPLED 11/28/95 DATE REQUESTED 12/05/95

SAMPLE NUMBER	CLIENT SAMPLE NUMBER	ug/ft2	MDL
9391	AD-081	<0.660	0.660
9392	AD-082	122.631	0.660
9393	AD-083	<0.660	0.660
9394	AD-084	515.050	0.660
9398	AD-088	1.617	0.660
9399	AD-089	469.995	0.660
9407	AD-097	38.095	0.660
9408	AD-098	2.736	0.660
9409	AD-099	167.698	0.660
9411	AD-101	2.860	0.660
9412	AD-102	141.623	0.660
9413	AD-103	204.169	0.660
9414	AD-104	3.109	0.660

CURRENT HUD GUIDELINES
REQUIRE WIPE SAPMLES
TO BE LESS THAN:
FLOOR 200ug
WINDOW SILL 500ug
WINDOW WELL 800ug
* MDL = MINIMUM DETECTION LIMIT

AUTHORIZED SIGNATURE

ANALYTICAL CHEMIST
DATE 12/05/95

421 Main Street • P.O. Box 111 • Spencer, WV 25276
(304) 927-0022 • Fax (304) 927-0023

E.S. Laboratory, Inc.

PAINT CHIP FAX RESULTS

CLIENT NUMBER 217
NAME Barge, Waggoner, Sumner and Cannon
ADDRESS 162 3rd Avenue.
Nashville , TN 37201
TELEPHONE 615 254-1500 FAX 615 255-6572
CONTACT Mr. Randy Bell
JOB NUMBER 120195-0466 P.O. NUMBER
PROJECT DEFENSE DIST DEPOT MEMPHIS

DATE RECEIVED 12/01/95 DATE SAMPLED 00/00/00 DATE REQUESTED 12/05/95

SAMPLE NUMBER	CLIENT SAMPLE NUMBER	WEIGHT PERCENTAGE	PPM	MDL*
9317	AD-007	0.0127	127	33
9318	AD-008	0.0398	398	38
9319	AD-009	0.0609	609	56
9322	AD-012	0.2425	2425	53
9336	AD-026	0.2002	2002	59
9339	AD-029	0.1990	1990	40
9354	AD-044	0.0049	49	39
9359	AD-049	3.0752	30752	46
9366	AD-056	0.0112	112	45
9367	AD-057	0.0205	205	30
9372	AD-062	0.0348	348	110
9375	AD-065	0.0068	68	55
9384	AD-074	0.1704	1704	47
9385	AD-075	0.0047	47	38
9388	AD-078	0.0079	79	63
9395	AD-085	0.0066	66	53
9388	AD-078	0.0079	79	63
9395	AD-085	0.0066	66	53
9400	AD-090	2.0991	20991	34
9401	AD-091	1.1042	11042	48
9404	AD-094	1.2858	12858	39
9410	AD-100	0.0064	64	52

CURRENT HUD GUIDELINES
REQUIRE PAINT SAMPLES
TO BE LESS THAN 0.5%
BY WEIGHT OR LESS THAN
5000 PPM.
* MDL = MINIMUM DETECTION LIMIT

AUTHORIZED SIGNATURE

ANALYTICAL CHEMIST
DATE 00/00/00

421 Main Street • P.O. Box 111 • Spencer, WV 25276
(304) 927-0022 • Fax (304) 927-0023

LEAD SOIL FAX RESULTS

CLIENT NUMBER 217
NAME Barge, Waggoner, Sumner and Cannon
ADDRESS 162 3rd Avenue.
Nashville , TN 37201
TELEPHONE 615 254-1500 FAX 615 255-6572
CONTACT Mr. Randy Bell
JOB NUMBER 120195-0466 P.O. NUMBER 13897-10
PROJECT DEFENSE DIST DEPOT MEMPHIS
DATE RECEIVED 12/01/95 DATE SAMPLED 00/00/00 DATE REQUESTED 12/05/95

SAMPLE NUMBER	CLIENT SAMPLE NUMBER	WEIGHT PERCENTAGE	PPM	MDL*
9323	AD-013	0.0055	55	12
9324	AD-014	0.0037	37	12
9325	AD-015	0.0025	25	11
9326	AD-016	0.0027	27	11
9327	AD-017	0.0031	31	12
9337	AD-027	0.0085	85	10
9338	AD-028	0.0078	78	15
9348	AD-038	0.0077	77	11
9349	AD-039	0.0044	44	13
9360	AD-050	0.0048	48	12
9361	AD-051	0.0019	19	15
9362	AD-052	0.0053	53	10
9363	AD-053	0.0080	80	10
9386	AD-076	0.0017	17	14
9387	AD-077	0.0392	392	12
9396	AD-086	0.0036	36	11
9397	AD-087	0.0015	15	10
9402	AD-092	0.0014	14	11
9403	AD-093	0.0086	86	10
9415	AD-105	0.0623	623	11
9416	AD-106	0.0162	162	13

CURRENT HUD GUIDELINES
REQUIRE SOIL SAMPLES
TO BE LESS THAN 0.03%
BY WEIGHT OR LESS THAN
3000 PPM.
* MDL = MINIMUM DETECTION LIMIT

AUTHORIZED SIGNATURE

ANALYTICAL CHEMIST
DATE 12/05/95

E.S. Laboratory, Inc.

E. S. Laboratory, Inc.
421 Main Street * P. O. Box 111
Spencer, WV 25276
(304) 927-0022 * Fax (304)927-0023

Chain of Custody

For Laboratory Use only

Client No.: _____ State: _____
Comments: _____

Submitting Company: Barge Waggoner Sumner & Cannon Inc
Address: 162 Third Avenue North
Nashville Tennessee 37201

Phone: (615) 254 - 1500 Fax (615) 255 - 6572

Contact: Randy Bell
P.O Number: 13897-10
Project Location: Defense Distribution Depot

Sample Type (Please clearly indicate analysis requested):

Lead	Asbestos	Environmental	Preservative
1. Wipe	1. PCM	1. TCLP (lead only)	1. None
2. Air	2. PLM	2. TCLP RCRA 8	2. H_2SO_4
3. Soil	3. TEM	3. BTEX	3. HNO_3
4. Water	4. Chatfield	4. TPH	4. NaOH
5. Paint	5. Pnt Count	5. Other _____	5. Other _____

Methods Used:
PCM-7400 NIOSH
PLM- 40 cfr Chapt 1 Part 763 Subprt F
TEM- AHERA
LEAD Wipes -NIOSH 9100
LEAD Soil- EPA 7000/7420
LEAD Air- NIOSH 7082
LEAD Paint- EPA 7420
LEAD Water- EPA 200.9

Sample ID Client	Sample Identification/ Sample Description	Date	Time	Time On	Time Off	Flow Rate On	Flow Rate Off	Volume (FR X Min)	Wipe Area (ft^2)	Lab ID #	Comments or Social Security #
DD-001	Wipe / Lead	3-29	9:10	-	-	-	-	-	-	1506	Field Blank
DD-002	Wipe / Lead	3-29	9:25	-	-	-	-	-	1.0	68	
DD-003	Wipe / Lead	3-29	9:35	-	-	-	-	-	0.67	69	
DD-004	Wipe / Lead	3-29	9:45	-	-	-	-	-	0.94	69	
DD-005	Wipe / Lead	3-29	10:00	-	-	-	-	-	1.0	70	
DD-006	Wipe / Lead	3-29	10:15	-	-	-	-	-	0.63	71	
DD-007	Wipe / Lead	3-29	10:20	-	-	-	-	-	1.0	72	
DD-008	Wipe / Lead	3-29	10:30	-	-	-	-	-	0.63	73	
DD-009	Paint Chip / Lead	3-29	10:35	-	-	-	-	-	-	74	
DD-010	Wipe / Lead	3-29	10:45	-	-	-	-	-	1.0	1507	

Relinquished by (Signature): Randy Bell Date: 4-1-96 Time: 3:00 pm
Shipped by (courier Sevice): FED EX
Received By: Date: Time:
Relinquished: Date: Time:
Received for Lab By: Date: 4/2/96 Time: 9a

Turnaround requested:
O RUSH/Priority
O 24 HOURS
O ROUTINE(2-3 DAY)
O OTHER (> 5 days)

SPECIAL INSTRUCTIONS:
Submit to Lab : White Copy Client keeps the Yellow Copy

E.S. Laboratory, Inc.

421 Main St. • P.O. Box 111
Spencer, WV 25276

(304) 927-0022 • Fax (304) 927-0023

CHAIN OF CUSTODY

State: _____
Order#: _____
COC#: _____

Company: BARGE, WAGGONER, SUMNER AND CANNON, INC.
Address: 162 THIRD AVENUE NORTH
NASHVILLE, TENNESSEE 37201
Phone #: 615-254-1500 Fax #: 615-255-6572
P.O. #: 13897-10
Client Contact: RANDY BELL
Project ID / Location: DEFENSE DISTRIBUTION DEPOT/MEMPHIS

Sample Type:
1. Water
2. Soil
3. Sludge
4. Oil
5. Other _____

Container Type:
P - Plastic
G - Glass
V - VOC

Preservative: 1. None 2. H_2SO_4 3. HNO_3
4. NaOH 5. Other

REQUESTED ANALYSES

Sample ID (Client)	Sample Type	Container Size	Container Type	Container No.	Sampling Date	Sampling Time	Preservative	LAB I.D.	Grab/ Composite	Lead						COMMENTS
AD-001	5	100ml	P	1	11-28	0800	1	9311		X						Field Blank
AD-002	5	100ml	P	1	11-28	0805	1	12		X						1.18SF
AD-003	5	100ml	P	1	11-28	0815	1	13		X						1SF
AD-004	5	100ml	P	1	11-28	0825	1	14		X						1SF
AD-005	5	100ml	P	1	11-28	0840	1	15		X						1SF
AD-006	5	100ml	P	1	11-28	0850	1	16		X						0.78SF
AD-007	5	100ml	P	1	11-28	0900	1	17		X						Paint chip
AD-008	5	100ml	P	1	11-28	0905	1	18		X						Paint chip
AD-009	5	100ml	P	1	11-28	0915	1	19		X						Paint chip
AD-010	5	100ml	P	1	11-28	0930	1	20		X						1SF

Relinquished: Randy Bell Date: 11-30-95 Time: 3:30

Relinquished: Date: Time:

Received By: Date: Time:

Received For Lab By: Date: 12/1/95 Time: 1256

TURNAROUND TIME
☐ RUSH
☐ ROUTINE

CREATIVE IMAGES - SPENCER WV - 927-1100

SPECIAL INSTRUCTIONS:

SAMPLERS SIGNATURE

E.S. Laboratory, Inc.

421 Main St. • P.O. Box 111
Spencer, WV 25276

(304) 927-0022 • Fax (304) 927-0023

CHAIN OF CUSTODY

State: _____
Order#: _____
COC#: _____

Company: BARGE, WAGGONER, SUMNER AND CANNON, INC.
Address: 162 THIRD AVENUE NORTH
NASHVILLE, TENNESSEE 37201
Phone #: 615-254-1500 Fax #: 615-255-6572
P.O. #: 13897-10
Client Contact: RANDY BELL
Project ID / Location: DEFENSE DISTRIBUTION DEPOT/MEMPHIS

Sample Type:
1. Water
2. Soil
3. Sludge
4. Oil
5. Other _____

Container Type:
P - Plastic
G - Glass
V - VOC

Preservative: 1. None 2. H_2SO_4 3. HNO_3
4. NaOH 5. Other

REQUESTED ANALYSES

Sample ID (Client)	Sample Type	Container Size	Container Type	Container No.	Sampling Date	Sampling Time	Preservative	LAB I.D.	Grab/ Composite	Lead						COMMENTS
AD-011	5	100ml	P	1	11-28	0940	1	9321		X						0.83 SF
AD-012	5	100ml	P	1	11-28	0945	1	22		X						Paint Chip
AD-013	2	100ml	P	1	11-28	1000	1	23		X						Soil
AD-014	2	100ml	P	1	11-28	1005	1	24		X						Soil
AD-015	2	100ml	P	1	11-28	1015	1	25		X						Soil
AD-016	2	100ml	P	1	11-28	1025	1	26		X						Soil
AD-017	2	100ml	P	1	11-28	1035	1	27		X						Soil
AD-018	5	100ml	P	1	11-28	1055	1	28		X						1SF
AD-019	5	100ml	P	1	11-28	1105	1	29		X						1SF
AD-020	5	100ml	P	1	11-28	1110	1	9330		X						1SF

Relinquished: Randy Bell Date: 11-30-95 Time: 3:30
Relinquished: Date: Time:

Received By: Date: Time:
Received For Lab By: Date: 12/1/95 Time: 12:55

TURNAROUND TIME:
☐ RUSH
☐ ROUTINE

SAMPLERS SIGNATURE:

CREATIVE IMAGES - SPENCER WV - 927-1400

SPECIAL INSTRUCTIONS:

E.S. Laboratory, Inc.

421 Main St. - P.O. Box 111
Spencer, WV 25276

(304) 927-0022 • Fax (304) 927-0023

CHAIN OF CUSTODY

State: _____
Order#: _____
COC#: _____

Company: BARGE, WAGGONER, SUMNER AND CANNON, INC.
Address: 162 THIRD AVENUE NORTH
NASHVILLE, TENNESSEE 37201
Phone #: 615-254-1500 Fax #: 615-255-6572
P.O. #: 13897-10
Client Contact: RANDY BELL
Project ID / Location: DEFENSE DISTRIBUTION DEPOT/MEMPHIS

Sample Type: 1. Water 2. Soil 3. Sludge 4. Oil 5. Other _____
Container Type: P - Plastic G - Glass V - VOC
Preservative: 1. None 2. H_2SO_4 3. HNO_3 4. NaOH 5. Other

REQUESTED ANALYSES

Sample ID (Client)	Sample Type	Container Size	Container Type	Container No.	Sampling Date	Sampling Time	Preservative	LAB I.D.	Grab/ Composite	Lead						COMMENTS
AD-021	S	100ml	P	1	11-28	1125	1	9331		X						1SF
AD-022	S	100ml	P	1	11-28	1135	1	32		X						0.67SF
AD-023	S	100ml	P	1	11-28	1140	1	33		Y						1SF
AD-024	S	100ml	P	1	11-28	1155	1	34		Y						1SF
AD-025	S	100ml	P	1	11-28	1205	1	35		Y						0.67SF
AD-026	S	100ml	P	1	11-28	1215	1	36		X						Paint Chip
AD-027	2	100ml	P	1	11-28	1220	1	37		Y						Soil
AD-028	2	100ml	P	1	11-28	1230	1	38		Y						Soil
AD-029	S	100ml	P	1	11-28	1240	1	39		X						Paint Chip
AD-030	S	100ml	P	1	11-28	1245	1	9340		X						0.67SF

Relinquished: Randy Bell Date: 11-30-95 Time: 3:30
Relinquished: Date: Time:

Received By: Date: Time:
Received For Lab By: Date: 12/1/95 Time: 13:58

TURNAROUND TIME:
☐ RUSH
☐ ROUTINE

CREATIVE IMAGES - SPENCER WV - 927-1400

SPECIAL INSTRUCTIONS:

SAMPLERS SIGNATURE

E.S. Laboratory, Inc.

421 Main St. • P.O. Box 111
Spencer, WV 25276

(304) 927-0022 • Fax (304) 927-0023

CHAIN OF CUSTODY

State: _____
Order#: _____
COC#: _____

Company: BARGE, WAGGONER, SUMNER AND CANNON, INC.
Address: 162 THIRD AVENUE NORTH
NASHVILLE, TENNESSEE 37201
Phone #: 615-254-1500 Fax #: 615-255-6572
P.O. #: 13897-10
Client Contact: RANDY BELL
Project ID / Location: DEFENSE DISTRIBUTION DEPOT/MEMPHIS

Sample Type:
1. Water
2. Soil
3. Sludge
4. Oil
5. Other _____

Container Type:
P - Plastic
G - Glass
V - VOC

Preservative: 1. None 2. H_2SO_4 3. HNO_3
4. NaOH 5. Other

REQUESTED ANALYSES

Sample ID (Client)	Sample Type	Container Size	Container Type	Container No.	Sampling Date	Sampling Time	Preservative	LAB I.D.	Grab/ Composite	Lead						COMMENTS
AD-031	5	100ml	P	1	11-28	1350	1	9341		X						1SF
AD-032	5	100ml	P	1	11-28	1355	1	42		X						1SF
AD-033	5	100ml	P	1	11-28	1420	1	43		X						0.67SF
AD-034	5	100ml	P	1	11-28	1425	1	44		X						1SF
AD-035	5	100ml	P	1	11-28	1430	1	45		X						0.63SF
AD-036	5	100ml	P	1	11-28	1435	1	46		X						1SF
AD-037	5	100ml	P	1	11-28	1440	1	47		X						0.94SF
AD-038	2	100ml	P	1	11-28	1450	1	48		X						soil
AD-039	2	100ml	P	1	11-28	1500	1	49		X						soil
AD-040	5	100ml	P	1	11-28	1510	1	9350		X						1SF

Relinquished: Randy Bell Date: 11-30-95 Time: 3:30

Received By: Date: Time:

Relinquished: Date: Time:

Received For Lab By: Date: 12/1/95 Time: 12:55

TURNAROUND TIME
☐ RUSH
☐ ROUTINE

CREATIVE IMAGES - SPENCER WV - 927-1400

SPECIAL INSTRUCTIONS:

SAMPLERS SIGNATURE

E.S. Laboratory, Inc.

421 Main St. • P.O. Box 111
Spencer, WV 25276

(304) 927-0022 • Fax (304) 927-0023

CHAIN OF CUSTODY

State: _____
Order#: _____
COC#: _____

Company: BARGE, WAGGONER, SUMNER AND CANNON, INC.
Address: 162 THIRD AVENUE NORTH
NASHVILLE, TENNESSEE 37201
Phone #: 615-254-1500 Fax #: 615-255-6572
P.O. #: 13897-10
Client Contact: RANDY BELL
Project ID / Location: DEFENSE DISTRIBUTION DEPOT/MEMPHIS

Sample Type:
1. Water
2. Soil
3. Sludge
4. Oil
5. Other _____

Container Type:
P - Plastic
G - Glass
V - VOC

Preservative: 1. None 2. H_2SO_4 3. HNO_3
4. NaOH 5. Other

REQUESTED ANALYSES

Sample ID (Client)	Sample Type	Container Size	Container Type	Container No.	Sampling Date	Sampling Time	Preservative	LAB I.D.	Grab/ Composite	Lead						COMMENTS
AD-041	5	100ml	P	1	11-28	1515	1	9351		X						0.735F
AD-042	5	100ml	P	1	11-28	1520	1	52		X						15F
AD-043	5	100ml	P	1	11-28	1525	1	53		X						0.63
AD-044	5	100ml	P	1	11-28	1530	1	54		X						Paint chip
AD-045	5	100ml	P	1	11-28	1540	1	55		X						0.63
AD-046	5	100ml	P	1	11-28	1545	1	56		X						15F
AD-047	5	100ml	P	1	11-28	1550	1	57		X						15F
AD-048	5	100ml	P	1	11-28	1555	1	58		X						0.63
AD-049	5	100ml	P	1	11-28	1600	1	59		X						Paint chip
AD-050	2	100ml	P	1	11-28	1605	1	9360		X						soil

Relinquished: Randy Bell
Date: 11-30-95
Time: 3:30

Relinquished:
Date:
Time:

Received By:
Date:
Time:

Received For Lab By:
Date: 12/1/95
Time: 12:55

TURNAROUND TIME:
☐ RUSH
☐ ROUTINE

CREATIVE IMAGES - SPENCER WV - 927-1100

SPECIAL INSTRUCTIONS:

SAMPLERS SIGNATURE:

E.S. Laboratory, Inc.

421 Main St. • P.O. Box 111
Spencer, WV 25276

(304) 927-0022 • Fax (304) 927-0023

CHAIN OF CUSTODY

State: _____
Order#: _____
COC#: _____

Company: BARGE, WAGGONER, SUMNER AND CANNON, INC.
Address: 162 THIRD AVENUE NORTH
NASHVILLE, TENNESSEE 37201
Phone #: 615-254-1500 Fax #: 615-255-6572
P.O. #: 13897-10
Client Contact: RANDY BELL
Project ID / Location: DEFENSE DISTRIBUTION DEPOT/MEMPHIS

Sample Type: 1. Water 2. Soil 3. Sludge 4. Oil 5. Other _____
Container Type: P - Plastic G - Glass V - VOC
Preservative: 1. None 2. H_2SO_4 3. HNO_3 4. NaOH 5. Other

Sample ID (Client)	Sample Type	Container Size	Container Type	Container No.	Sampling Date	Sampling Time	Preservative	LAB I.D.	Grab/ Composite	Lead	COMMENTS
AD-051	2	100ml	P	1	11:28	1610	1	9361		X	soil
AD-052	2	100ml	P	1	11-28	1615	1	62		X	soil
AD-053	2	100ml	P	1	11-28	1620	1	63		X	soil
AD-054	5	100ml	P	1	11:28	1625	1	64		X	0.73SF
AD-055	5	100ml	P	1	11-28	1630	1	65		X	1SF
AD-056	5	100ml	P	1	11-28	1635	1	66		X	Paint chip
AD-057	5	100ml	P	1	11-28	1696	1	67		X	Paint chip
AD-058	5	100ml	P	1	11-28	1645	1	68		X	0.43SF
AD-059	5	100ml	P	1	11-28	1650	1	69		X	1SF
AD-060	5	100ml	P	1	11-28	1655	1	9370		X	0.94 SF

REQUESTED ANALYSES

Relinquished: Randy Bell Date: 11-30-95 Time: 3:30
Received By: Date: Time:
Relinquished: Date: Time:
Received For Lab By: Date: 12/1/95 Time: 1255

TURNAROUND TIME:
☐ RUSH
☐ ROUTINE

CREATIVE IMAGES - SPENCER WV - 927-1400

SPECIAL INSTRUCTIONS:

SAMPLERS SIGNATURE

E.S. Laboratory, Inc.

421 Main St. • P.O. Box 111
Spencer, WV 25276

(304) 927-0022 • Fax (304) 927-0023

CHAIN OF CUSTODY

State: _____
Order#: _____
COC#: _____

Company: BARGE, WAGGONER, SUMNER AND CANNON, INC.
Address: 162 THIRD AVENUE NORTH
NASHVILLE, TENNESSEE 37201
Phone #: 615-254-1500 Fax #: 615-255-6572
P.O. #: 13897-10
Client Contact: RANDY BELL
Project ID / Location: DEFENSE DISTRIBUTION DEPOT/MEMPHIS

Sample Type: 1. Water 2. Soil 3. Sludge 4. Oil 5. Other _____
Container Type: P - Plastic G - Glass V - VOC
Preservative: 1. None 2. H_2SO_4 3. HNO_3 4. NaOH 5. Other

REQUESTED ANALYSES

Sample ID (Client)	Sample Type	Container Size	Container Type	Container No.	Sampling Date	Sampling Time	Preservative	LAB I.D.	Grab/ Composite	Lead						COMMENTS
AD-061	S	100ml	P	1	11-29	0800	1	9371		X						1SF
AD-062	S	100ml	P	1	11-29	0805	1	72		X						Paint chip.
AD-063	S	100ml	P	1	11-29	0810	1	73		Y						1SF
AD-064	S	100ml	P	1	11-29	0815	1	74		Y						0.54 SF
AD-065	S	100ml	P	1	11-29	0820	1	X		Y						Paint chip
AD-066	S	100ml	P	1	11-29	0825	1	76		Y						1SF
AD-067	S	100ml	P	1	11-29	0830	1	77		Y						0.94 SF
AD-068	S	100ml	P	1	11-29	0835	1	78		Y						0.94 SF
AD-069	S	100ml	P	1	11-29	0840	1	79		Y						1SF
AD-070	S	100ml	P	1	11-29	0845	1	9380		Y						0.65

Relinquished: Randy Bell Date: 11-30-95 Time: 3:30
Received By: Date: Time:
Relinquished: Date: Time:
Received For Lab By: Date: 12/1/95 Time: 12:55

TURNAROUND TIME:
☐ RUSH
☐ ROUTINE

CREATIVE IMAGES - SPENCER WV - 927-1400

SPECIAL INSTRUCTIONS:

SAMPLERS SIGNATURE:

E.S. Laboratory, Inc.

421 Main St. • P.O. Box 111
Spencer, WV 25276

(304) 927-0022 • Fax (304) 927-0023

CHAIN OF CUSTODY

State: _____
Order#: _____
COC#: _____

Company: BARGE, WAGGONER, SUMNER AND CANNON, INC.
Address: 162 THIRD AVENUE NORTH
NASHVILLE, TENNESSEE 37201
Phone #: 615-254-1500 Fax #: 615-255-6572
P.O. #: 13897-10
Client Contact: RANDY BELL
Project ID / Location: DEFENSE DISTRIBUTION DEPOT/MEMPHIS

Sample Type:
1. Water
2. Soil
3. Sludge
4. Oil
5. Other _____

Container Type:
P - Plastic
G - Glass
V - VOC

Preservative: 1. None 2. H_2SO_4 3. HNO_3
4. NaOH 5. Other

Sample ID (Client)	Sample Type	Container Size	Container Type	Container No.	Sampling Date	Sampling Time	Preservative	LAB I.D.	Grab/ Composite	REQUESTED ANALYSES: Lead	COMMENTS
AD-071	S	100ml	P	1	11-29	0900	1	9381		X	1SF
AD-072	S	100ml	P	1	11-29	0905	1	82		X	1SF
AD-073	S	100ml	P	1	11-29	0910	1	83		X	0.65SF
AD-074	S	100ml	P	1	11-29	0920	1	84		X	Paint chip
AD-075	S	100ml	P	1	11-29	0925	1	85		X	Paint chip
AD-076	S2	100ml	P	1	11-29	0925	1	86		X	soil
AD-077	2	100ml	P	1	11-29	0935	1	87		X	soil
AD-078	S	100ml	P	1	11-29	0940	1	88		X	Paint chip
AD-079	S	100ml	P	1	11-29	0945	1	89		X	1SF
AD-080	S	100ml	P	1	11-29	0950	1	9390		X	0.73SF

Relinquished: Randy Bell Date: 11-30-95 Time: 3:30
Relinquished: Date: Time:

Received By: Date: Time:
Received For Lab By: Date: 12/1/95 Time: 1235

TURNAROUND TIME
☐ RUSH
☐ ROUTINE

SPECIAL INSTRUCTIONS:

SAMPLERS SIGNATURE:

E.S. Laboratory, Inc.

421 Main St. • P.O. Box 111
Spencer, WV 25276

(304) 927-0022 • Fax (304) 927-0023

CHAIN OF CUSTODY

State: _____
Order#: _____
COC#: _____

Company: BARGE, WAGGONER, SUMNER AND CANNON, INC.
Address: 162 THIRD AVENUE NORTH
NASHVILLE, TENNESSEE 37201
Phone #: 615-254-1500 Fax #: 615-255-6572
P.O. #: 13897-10
Client Contact: RANDY BELL
Project ID / Location: DEFENSE DISTRIBUTION DEPOT/MEMPHIS

Sample Type: 1. Water 2. Soil 3. Sludge 4. Oil 5. Other _____
Container Type: P - Plastic G - Glass V - VOC
Preservative: 1. None 2. H_2SO_4 3. HNO_3 4. NaOH 5. Other

Sample ID (Client)	Sample Type	Container Size	Container Type	Container No.	Sampling Date	Sampling Time	Preservative	LAB I.D.	Grab/ Composite	REQUESTED ANALYSES: Lead						COMMENTS
AD-081	5	100ml	P	1	11-29	1000	1	9571		X						1SP
AD-082	5		P	1	11-29	1005	1	92		X						0.65 SF
AD-083	5		P	1	11-29	1010	1	93		X						1SF
AD-084	5		P	1	11-29	1015	1	94		X						0.43 SF
AD-085	5		P	1	11-29	1020	1	95		X						Paint Chip
AD-086	2		P	1	11-29	1025	1	96		X						soil
AD-087	2		P	1	11-29	1030	1	97		X						soil
AD-088	5		P	1	11-29	1040	1	98		X						1SF
AD-089	5		P	1	11-29	1050	1	99		X						0.44 SF
AD-090	5	100ml	P	1	11-29	1055	1	9400		Y						Paint Chip

Relinguished: Randy Bell Date: 11-30-95 Time: 3:30
Received By: Date: Time:

Relinguished: Date: Time:
Received For Lab By: Date: 12/1/95 Time: 12:55

TURNAROUND TIME:
☐ RUSH
☐ ROUTINE

SAMPLERS SIGNATURE

SPECIAL INSTRUCTIONS:

E.S. Laboratory, Inc.

421 Main St. • P.O. Box 111
Spencer, WV 25276

(304) 927-0022 • Fax (304) 927-0023

CHAIN OF CUSTODY

State: _____
Order#: _____
COC#: _____

Company: BARGE, WAGGONER, SUMNER AND CANNON, INC.
Address: 162 THIRD AVENUE NORTH
NASHVILLE, TENNESSEE 37201
Phone #: 615-254-1500 Fax #: 615-255-6572
P.O. #: 13897-10
Client Contact: RANDY BELL
Project ID / Location: DEFENSE DISTRIBUTION DEPOT/MEMPHIS

Sample Type:
1. Water
2. Soil
3. Sludge
4. Oil
5. Other _____

Container Type:
P - Plastic
G - Glass
V - VOC

Preservative: 1. None 2. H_2SO_4 3. HNO_3
4. NaOH 5. Other

Sample ID (Client)	Sample Type	Container Size	Container Type	Container No.	Sampling Date	Sampling Time	Preservative	LAB I.D.	Grab/ Composite	REQUESTED ANALYSES: Lead						COMMENTS
AD-091	5	100ml	P	1	11:29	11:10	1	9401		+						Paint chip
AD-092	2	100ml	P	1	11-29	11:20	1	02		X						Soil
AD-093	2	100ml	P	1	11:29	11:36	1	03		X						Soil
AD-094	5	100ml	P	1	11-29	12:45	1	04		X						Paint chip
AD-095	5	100ml	P	1	11-29	12:50	1	05		X						Field blank
AD-096	5	100ml	P	1	11-29	12:55	1	06		X						1SF
AD-097	5	100ml	P	1	11-29	1300	1	07		X						0.63SF
AD-098	5	100ml	P	1	11-29	1305	1	08		X						1SF
AD-099	5	100ml	P	1	11-29	1310	1	09		X						0.35SF
AD-100	5	100ml	P	1	11-29	1315	1	9410		X						Paint chip

Relinguished: Randy Bell Date: 11-30-95 Time: 3:30
Relinguished: Date: Time:

Received By: Date: Time:
Received For Lab By: Date: 12:11:95 Time: 12:55

TURNAROUND TIME:
☐ RUSH
☐ ROUTINE

SAMPLERS SIGNATURE

SPECIAL INSTRUCTIONS:

E.S. Laboratory, Inc.

1421 Main St. • P.O. Box 111
Spencer, WV 25276

(304) 927-0022 • Fax (304) 927-0023

CHAIN OF CUSTODY

State: _____
Order#: _____
COC#: _____

Company: BARGE, WAGGONER, SUMNER AND CANNON, INC.
Address: 162 THIRD AVENUE NORTH
NASHVILLE, TENNESSEE 37201
Phone #: 615-254-1500 Fax #: 615-255-6572
P.O. #: 13897-10
Client Contact: RANDY BELL
Project ID / Location: DEFENSE DISTRIBUTION DEPOT/MEMPHIS

Sample Type: 1. Water 2. Soil 3. Sludge 4. Oil 5. Other _____

Container Type: P - Plastic G - Glass V - VOC

Preservative: 1. None 2. H_2SO_4 3. HNO_3 4. NaOH 5. Other

REQUESTED ANALYSES

Sample ID (Client)	Sample Type	Container Size	Container Type	Container No.	Sampling Date	Sampling Time	Preservative	LAB I.D.	Grab/ Composite	Lead	COMMENTS
AD-101	S	100ml	P	1	11-29	1325	1	9411		X	
AD-102	S	100ml	P	1	11-29	1330	1	12		X	ISF
AD-103	S	100ml	P	1	11-29	1335	1	13		X	0.54
AD-104	S	100ml	P	1	11-29	1340	1	14		X	0.43 SF
AD-105	2	100ml	P	1	11-29	1345	1	15		X	ISF
AD-106	2	100ml	P	1	11-29	1350	1	9416		X	Soil
											Soil
								END	TKB		

Relinquished: Randy Bell Date: 11-30-95 Time: 3:30

Relinquished: Date: Time:

Received By: Date: Time:

Received For Lab By: Date: 12/1/95 Time: 1225

TURNAROUND TIME
☐ RUSH
☐ ROUTINE

SPECIAL INSTRUCTIONS:

SAMPLERS SIGNATURE

APPENDIX E

WATER ANALYTICAL RESULTS

SPECIALIZED ASSAYS
ENVIRONMENTAL

2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

BARGE, WAGGONER, SUMNER,CANNON 4241
ACCOUNTS RECEIVABLE
162 THIRD AVE. NORTH
NASHVILLE, TN 37201

Lab Number: 95-A070725

Sample ID: WATER BLD 7

Date Collected: 12/ 6/95

Project: 13987-10

Time Collected: 13:30

Project Name: MEMPHIS DEFENSE DEPOT

Date Received: 12/ 7/95

Sampler: SEAN FISHER

Time Received: 14:50

State Certification:

Sample Type: Ground water

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method
Lead	0.009	mg/l	0.003	0.003	1.0	12/12/95	15:53	C.Holmes	6010A

ND = Not detected at the report limit.

Report Approved By: _____ Report Date: 12/13/95

Theodore J. Duello, Ph.D.
Michael H. Dunn, M.S.
Danny B. Hale, M.S.

COPY 1

SPECIALIZED ASSAYS
ENVIRONMENTAL

2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

BARGE, WAGGONER, SUMNER,CANNON 4241
ACCOUNTS RECEIVABLE
162 THIRD AVE. NORTH
NASHVILLE, TN 37201

Lab Number: 95-A070726

Sample ID: WATER BLD 8

Date Collected: 12/ 6/95

Project: 13987-10

Time Collected: 16:30

Project Name: MEMPHIS DEFENSE DEPOT

Date Received: 12/ 7/95

Sampler: SEAN FISHER

Time Received: 14:50

State Certification:

Sample Type: Ground water

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method
Lead	0.004	mg/l	0.003	0.003	1.0	12/12/95	15:53	C.Holmes	6010A

ND = Not detected at the report limit.

Report Approved By: Danny B. Hale Report Date: 12/13/95

Theodore J. Duello, Ph.D.
Michael H. Dunn, M.S.
Danny B. Hale, M.S.

COPY 1

SPECIALIZED ASSAYS
ENVIRONMENTAL

2960 Foster Creighton Drive
Nashville, Tennessee 37204

ANALYTICAL REPORT

BARGE, WAGGONER, SUMNER, CANNON 4241
ACCOUNTS RECEIVABLE
162 THIRD AVE. NORTH
NASHVILLE, TN 37201

Lab Number: 95-A070724

Sample ID: WATER COMMUNITY CLUB

Project: 13987-10

Project Name: MEMPHIS DEFENSE DEPOT

Sampler: SEAN FISHER

State Certification:

Date Collected: 12/ 6/95

Time Collected: 10:30

Date Received: 12/ 7/95

Time Received: 14:50

Sample Type: Ground water

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method
Lead	ND	mg/l	0.003	0.003	1.0	12/12/95	15:53	C.Holmes	6010A

ND = Not detected at the report limit.

Report Approved By: Danny B. Hale Report Date: 12/13/95

Theodore J. Duello, Ph.D.
Michael H. Dunn, M.S.
Danny B. Hale, M.S.

COPY 1

SPECIALIZED ASSAYS
ENVIRONMENTAL

2960 Foster Creighton Drive
Nashville, TN 37204
615-726-0177
FAX 615/726-3404

REFERRING CLIENT

Sean Fisher

Burge, Waggoner, Sumner & Cannon Inc.

LING CONTROL NUMBER (FOR LAB USE ONLY) 36100

PROJECT # 13987-10

P.O. #

MPLERS (Signature-Please Print)

PROJECT NAME Memphis Defense Depot

FOR LAB USE ONLY ACC#	SAMPLE DESCRIPTION	DATE	TIME	COMP	GRAB	# OF CONT	ANALYSIS REQUESTED
70724	Water - Community Club	12-6-95	10:20		x	1	Lead
70725	Water Bld 7	12-6-95	13:30		x	1	Lead
70726	Water Bld 8	12-6-95	14:30		x	1	Lead

elinquished by: (Signature)	Date / Time	Received by: (Signature)	Received for Laboratory by:	Date / Time
Randy Bell	12-7-95 | 10:00	Deb Dozier		
elinquished by: (Signature)	Date / Time	Received by: (Signature)	Remarks	
Deb Dozier	12/7/95 - 1450			
elinquished by: (Signature)	Date / Time	Received by: (Signature)		
elinquished by: (Signature)	Date / Time	Received by: (Signature)		

For further assistance in completing the chain of custody form please refer to the instructions found on the opposite si