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LBP RISK ASSESSMENT REPORT

Lead-Based Paint Risk Assessment Report

For:

Ft. McClellan, Alabama

By:

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DATE:

July 17, 1995

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SUMMARY

A lead-based paint (LBP) risk assessment was conducted for Ft. McClellan, AL by John W. Calvert, P.E., CIH, 7741 Kennington Lane, Jonesboro, GA 30236 (404-471-5302) and the ~~US Army Corps of Engineers South Atlantic Division Laboratory (SADL)~~ personnel, 611 South Cobb Drive, Marietta, GA 30060-3112 (404-919-5271). The risk assessment report was prepared by John Calvert based on field and laboratory data collected by SADL personnel.

Twenty-six individual buildings (including 2 family housing quarters) and 171 family housing units representing 12 groups and/or subgroups of building were surveyed. These buildings and units were selected by Ft. McClellan and SADL personnel. SADL personnel grouped together family housing units (buildings) based on similarities in construction, age, and paint history (based on XRF (X-Ray Fluorescence) spectrum analyzer LBP survey results).

LBP was found to some degree in most of the buildings surveyed. LBP hazards identified included LBP in deteriorated condition; LBP present on friction surfaces, impact surfaces, and surfaces accessible to mouthing or chewing by children; leaded dust; and isolated soil lead contamination.

LBP hazard control options have been presented. Ft. McClellan staff must decide which hazard control option is appropriate. Ongoing monitoring will be required. Reevaluation type and frequency will depend on options selected.

Staff and occupant education/training has been discussed and recommended training topics/issues provided.

LEAD-BASED PAINT RISK ASSESSMENT REPORT for FT. McCLELLAN, AL

I. Introduction.

A. Identifying Information. This Lead-Based Paint (LBP) Risk Assessment report for Ft. McClellan, AL was prepared by John W. Calvert, P.E., CIH from field and laboratory data collected by US Army Corps of Engineers, South Atlantic Division Laboratory (SADL) personnel. The table in Appendix A is a list of the buildings or groups of buildings surveyed and their respective use or activity. This information was extracted from SADL survey reports. Twenty-six individual buildings (including 2 family housing quarters, #s 2242 & 2271) and 171 family housing units representing 12 groups and/or sub-groups of buildings were surveyed. These buildings and units were selected by Ft. McClellan and SADL personnel. SADL personnel grouped together family housing units (buildings) due to similarities in construction, age, and paint history (based on XRF (X-Ray Fluorescence) spectrum analyzer LBP survey results). Two site visits were made to observe the LBP surveys using the XRF instruments (spectrum analyzers) and to observe and instruct the surveyors in dust sampling techniques and procedures.

This risk assessment report was written following the guidance published in the Federal Register dated 29 June 1992, Department of Housing and Urban Development, "NOFA for Lead-Based Paint (LBP) Risk Assessment; Notice." Subsequent to the initiation of this project, the US Environmental Protection Agency published on July 14, 1994 a Memorandum, Subject: Guidance on Residential Lead-Based Paint, Lead-Contaminated Dust, and Lead-Contaminated Soil. This guidance serves as the updated standard of care and has been used in determining lead hazards from dust and soil.

B. Lead-Based Paint Health Hazards. Lead when swallowed or inhaled, can be harmful to human beings. It can be especially harmful to small children, pregnant women, men and women during their reproductive years, and people with hypertension.

The lead hazards in buildings come primarily from the past use of LBP. The mere presence of LBP, however, does not constitute a hazard. The risk of adverse human health effects depends on the paint's location and condition and on the way occupants use the building. If circumstances are such that people, especially children, may inhale or ingest lead, then a hazard is present. Public Law 102-550 (Federal "Title X") defines LBP hazard as "any condition that causes exposure to lead from lead-contaminated dust, lead-contaminated soil, lead-contaminated paint that is deteriorated or present in accessible surfaces, friction surfaces, or impact surfaces that would result in adverse human effects as established by the appropriate federal agency." A surface is considered to be accessible for mouthing or chewing by children if it protrudes from the surrounding area to the extent that a child can chew the surface, and is within three feet of the floor or ground (e.g., window sills, railings, and the edges of stair tread). A friction surface is subject to abrasion or friction (e.g., window, floor, and stair surfaces). An impact surface is subject to damage from

repeated impacts (e.g., certain parts of door frames).

If LBP is in poor condition, hazards from dust and debris are more likely. Abrasive action on leaded paint surfaces can create lead-contaminated dust in a building. ~~Lead in bare soil outside a building can increase the lead dust inside. Chips from exterior paint in poor condition often fall into the surrounding soil. This contaminated soil can then be brought indoors by foot traffic. Children frequently contact lead-contaminated dust and soil because they play indoors on the floor and outdoors on the ground.~~

II. Management, Maintenance, and Environmental Results Forms and Analyses.

A. Management Information. Not provided.

B. Maintenance/Paint Condition Information. Paint condition information for building components tested for LBP with the XRF spectrum analyzer is contained in the lead-based paint survey reports. Those reports are presented in Appendix I. Due to their size they were placed in the back of this report. Building interior and exterior paint conditions are presented in the table in Appendix E.

C. Building Condition. No specific information concerning building condition was provided.

D. Building/Unit Selection Process. The buildings and units were selected by Ft. McClellan and SADL personnel. SADL personnel grouped together family housing units (buildings) due to similarities in construction, age, and paint history (based on XRF (X-Ray Fluorescence) spectrum analyzer LBP survey results.

E. Paint, Dust, and Soil Sampling and Results.

1. Paint. The XRF and scrape sample results for paint and paint condition are contained in the SADL LBP survey reports presented in Appendix I, to the rear of this report. Also included in those survey reports are building descriptions and photos and generalized floor plan plates showing locations of positive LBP readings and/or samples.

The LBP survey was conducted in accordance with general procedures in the April 1, 1990 HUD Guidelines (revised September 28, 1990) and EPA standard operating procedures (EPA document EPA600/8-91/214) for this instrument. The survey was performed by certified surveyors using a SCITEC MAP 3, X-ray Fluorescence Spectrometer (spectrum analyzer) XRF instrument.

Positive readings (detectable lead above the action level) with the XRF vary depending on the instrument mode selected. The "test" mode is normally used for routine readings. Readings testing "positive" according to the XRF instrument manufacturer in the test mode are those with a lead concentration greater than 1.3

milligrams per centimeter squared (mg/cm^2), whereas, "negative" refers to readings of $0.7 \text{ mg}/\text{cm}^2$ or less. According to the HUD guidelines, positive readings for this instrument are greater than $1.3 \text{ mg}/\text{cm}^2$. "Inconclusive" readings are those that fall between $0.7 \text{ mg}/\text{cm}^2$ and $1.3 \text{ mg}/\text{cm}^2$. Scrape (paint chip) samples were taken and analyzed in the laboratory to verify inconclusive readings.

The "action level" defined in the HUD Interim Guidelines is a lead concentration above $1.0 \text{ mg}/\text{cm}^2$. Lead concentrations in the survey reports are shown for both K-shell and L-shell. The L-shell XRF reading is essentially for the top 1 or 2 surface paint layers, whereas, the K-shell is total lead applicable for multi-layered paint surfaces. HUD Guidelines specify that the K-Shell results be used for evaluating XRF readings.

In the survey reports paint condition stated as "good" is defined as intact; "fair" as intact but worn (minor chips from wear and tear but no adhesion or substrate problems); "poor" as severely worn or no longer adhering or, substrate deterioration (e.g., peeling, flaking, cracking, etc.).

Quality control procedures for the SADL XRF LBP surveys is presented in the front of Appendix I. These procedures were being followed during the site visits. A random check of the survey reports indicates these procedures were followed. Following these procedures increases the confidence of the XRF data.

A list of buildings and components identified with LBP is presented in Appendix B, Table 1. For the individual buildings, components with LBP were identified from positive XRF readings and/or positive scrape sample analysis in SADL survey reports. For family housing groups, components with LBP were identified from component summary tables in SADL survey reports. The HUD Interim Guidelines set out decision rules depending on the percentages of components classified as positive. The rules are applied to each component separately, and depend on the type of XRF analyzer used. For the XRF spectrum analyzer, if more than 11% of a component are positive, lead is present, and either all such components should be abated, or all should be tested to determine which require abatement and which do not. This assumes the number of units inspected/sampled in each group is in proportion to the number of units in the respective group per the 29 June 1992 Federal Register, Department of Housing and Urban Development, "NOFA for Lead-Based Paint (LBP) Risk Assessment; Notice". Refer to the SADL survey reports for specific building component and paint information.

Table 2, Appendix B is a list by building/unit of interior and exterior components/surfaces with LBP in fair/poor condition.

XRF readings and scrape sample analyses indicate the presence of paint containing lead, other than lead-based paint. These paints contain lead at a concentration less than 0.5 % by weight or $1 \text{ mg}/\text{cm}^2$ and those in poor condition may present hazards from dust paint chips. Those in poor condition should be controlled just as the LBP in poor condition.

2. Dust. Dust sampling was conducted in accordance with general procedures in the April 1, 1990 HUD Guidelines (revised September 28, 1990). A LBP survey using a SCITEC MAP 3, XRF spectrum analyzer was performed prior to dust sampling. Therefore, dust samples were taken in areas where lead contaminated dust was more likely to exist. ~~A copy of the SADL dust sampling results and quality control data for the dust sampling (Tables 3 & 4 of SADL Soil and Dust Sample Data Report, 24 September 1994) are presented in Appendix C.~~

The number of dust samples analyzed totalled 161. Quality control (QC) for the dust sampling and analyses included preparing and analyzing 21 field spike samples and 42 field blank samples. Also 37 laboratory reference standard samples were analyzed for instrument calibration and control. The number of these QC samples is within acceptable limits which is 5% for field spike and blank samples. The analytical results for these QC samples are also within acceptable limits ($\pm 25\%$ for matrix spikes and $\pm 20\%$ for laboratory control samples).

A table of buildings/units and locations where dust sampling results exceeded the recommended clearance standards below is presented in Appendix C, prior to the SADL dust sampling results. Current HUD and EPA recommended clearance levels for lead dust are:

<u>Location</u>	<u>Lead Loading</u>
Uncarpeted Floors	100 $\mu\text{g}/\text{ft}^2$.
Interior Window Sills	500 $\mu\text{g}/\text{ft}^2$.
Window Wells	800 $\mu\text{g}/\text{ft}^2$.

3. Soil. Soil sampling was conducted in accordance with general procedures in the April 1, 1990 HUD Guidelines (revised September 28, 1990). A copy of the SADL soil sampling results and quality control data for the soil sampling (Tables 1 & 2 of SADL Soil and Dust Sample Data Report, 24 September 1994) is presented in Appendix D.

The number of soil samples analyzed totalled 159. Quality control (QC) for the dust sampling and analyses included preparing and analyzing 16 field spike samples and 22 field blank samples. Also 19 laboratory reference standard samples were analyzed for instrument calibration and control. The number of these QC samples is within acceptable limits which is 5% for field matrix spike and blank samples. With the exception of one field matrix spike sample, the analytical results for these QC samples are also within acceptable limits ($\pm 25\%$ for matrix spikes and $\pm 20\%$ for laboratory control samples).

A table of building areas where soil lead concentrations exceeded 400 ppm and a copy of the EPA Recommendations for Response Activities for Residential Lead-Contaminated Soil are presented in Appendix D prior to the SADL soil sampling results.

F. List of Location and Type of Actual or Suspected Lead Hazards.

Appendix E is a lead hazards summary table listing by building number: interior and exterior paint condition; whether interior and exterior LBP is present; LBP in fair and poor condition; whether LBP is present on friction surfaces, impact surfaces, and surfaces accessible to mouthing or chewing by children; whether lead dust levels exceed clearance standards; and whether soil lead levels exceeded 400 ppm (mg/Kg). This table was compiled from SADL survey reports in Appendix I; Appendix B Table 1, Interior and Exterior Areas with LBP; Appendix B Table 2, Painted Building Components/Surfaces with LBP in Fair/Poor Condition; Appendix C, Buildings Where Lead Dust Sample Results Exceeded Clearance Levels; and Appendix D, Building Areas Where Soil Lead Concentrations Exceeded 400 mg/Kg (ppm). Refer to SADL survey reports for specific building component and condition.

1. Paint. LBP was identified on both interior and exterior surfaces and was found to some extent in/on most of the buildings surveyed. The majority of the LBP in fair and poor conditions was found on exterior surfaces. LBP on friction surfaces were predominately window sashes and were found in a few of the support/community type buildings and in family housing 2242 and Avery Group 1, 3600s, and 3700s Group C. LBP on surfaces mouthable or chewable by children were primarily window sills and possibly shelves, depending on the shelf heights. Closet shelves approximately 5 ft high pose no significant risk to mouthing and chewing by children. Interim and abatement control options for LBP are discussed later in this report.

2. Dust. Based on survey results, lead dust levels exceeding clearance standards appears to be isolated. Five floor, 1 window sill, and 12 window well samples exceeded clearance standards. Ten of the 12 window wells exceeding the standard were in the 3600 series family housing. Only 1 unit (3319A) from the 3310-3343, Avery Family Housing was sampled for dust. It had high dust levels on a bedroom floor and window sill and in a kitchen window well.

Family quarters 3319A has been grouped in Avery Family Housing Group 1 (3310-3331). Dust sampling was conducted only in unit 3319A which has high lead dust levels as mentioned above (bedroom floor and window sill and kitchen window well). All paint surveyed was judged to be in good condition. LBP was identified on window sashes in the kitchens and bedrooms and exterior window casings, sills, and aprons in this group. The lead dust is suspected to come from the friction surfaces surrounding the window sashes. Either more extensive dust sampling is needed to confirm this conclusion or assume all similar units (Avery Group 1) to have high dust levels. Frequent cleaning with a high phosphate detergent and treatment to reduce friction are recommended interim controls, which are discussed later in this report.

The 3600 Family Housing Group also had high dust levels in the window wells. Window components were identified as being painted with LBP judged to be good condition with a few in fair condition. Frequent cleaning with a high phosphate detergent and treatment to reduce friction are recommended interim controls.

Either more extensive dust sampling is needed in those buildings not sampled or assume that areas with LBP on friction and impact surfaces identified in the table in Appendix E would have high dust levels and perform the recommended interim controls.

3. Soil. Five soil samples (Bldgs: 129, 893, 1740, 2242, 2293) exceeded 400 mg/Kg (ppm), which requires control if children frequent the areas. One of the five samples, Bldg 893 (Chapel) exceeded 4000 ppm, which requires control in areas where contact by children is less likely or infrequent. None of the sampled areas had soil lead concentrations exceeding 5000 ppm which would require abatement.

For workshop building 129, all exterior wood components were considered positive for LBP which was judged to be in poor/fair condition. This is probably the source of the lead in the soil. Hazard controls for deteriorated LBP are discussed later. No dust sampling was performed in this building.

Building 893, Chapel, had the highest soil lead concentration. Its exterior paint is considered LBP and was judged to be in poor condition. This is the probable source of the lead.

Building 2242, family housing, also had extensive exterior LBP judged to be in poor condition. This is the probable source of the lead.

Building 2293, WAC Chapel, had exterior LBP judged to be in poor/fair condition. The lead concentration in the soil sample taken near the building (0-3 ft) was less than 400 ppm and in the sample taken 10-20 ft from the building was greater than 532. If children are not expected to frequent this location, the soil lead concentration does not pose a significant risk.

III. Lead Hazard Control Options.

- A. Lead-Based Paint Policy Statement. Not provided in scope of this report.
- B. Name of Individual in Charge of Lead-Based Paint Hazard Control Program. Not provided in scope of this report.
- C. Recommended Changes to Work Order System and Property Management. Not provided in scope of this report.
- D. Control Options. There are two basic approaches to managing LBP hazards in family housing and family support facilities; interim control (also referred to as in-place management) of LBP and LBP selective or full-scale abatement. Most often, a combination of the two approaches will best suit all parties involved in terms of lead hazard management effectiveness and cost effectiveness. Chapter 5, Technical Manual, TM 5-6XX, Managing Lead-Base Paint (LBP) in Family Housing and Family Support Facilities, Final Draft suggested issues to be considered in determining

specific substrate abatement/control decisions. Ft. McClellan personnel should consider these issues in deciding which hazard control option is appropriate. They are:

- Long- and -short-term objective of the plan.
- Future planned use of the structures.
- The degree of risk to exposure (occupants) to lead poisoning hazards.
- Availability of funding.
- ~~The estimated cost of interim controls versus LBP abatement.~~
- The condition of substrates on which hazards are identified.
- The amount of time that abate will take.
- Availability of alternative housing for displaced residents.
- The estimated cost to relocate occupants prior to and after abatement.
- The predicted amount of hazardous waste that may be generated.
- The amount of occupant training that will be necessary to perform limited interim controls versus the training of workers.
- The number of skilled and properly trained in-house workers or abatement contractors that are available.
- The amount of available equipment and materials.

E. Interim Control. Interim control techniques or in-place management techniques include the following:

- Training and education of occupants and maintenance personnel regarding the hazards of LBP and the appropriate maintenance practices on lead-containing surfaces. This training may be conducted at a formal training center or through installation personnel such as the Environmental Officer.
- Washing/cleaning with Trisodium Phosphate (TSP) or other high phosphate detergent designed to cleanup lead dust can be used to reduce lead dust exposure. This is an effective interim control technique.
- Stabilizing all LBP surfaces by removing defective paint and repainting.
- Repairing all defective and rotted substrates that could lead to rapid paint deterioration.
- Treating friction and impact surfaces, such as door, floors, steps, handrails, and windows, when there is concern that these objects are responsible for generating LBP chips or lead-bearing dust.
- Treating protruding, accessible surfaces where LBP may be present, such as window sills and shelves, that children might chew or mouth.
- Inspect periodically to ensure the continued integrity of LBP containing surfaces.
- Document all interim control actions.
- Conduct scheduled maintenance.

INTERIM CONTROL FOR LBP HAZARDS:

Hazard No. 1: Deteriorated LBP.

- a. Stabilizing all LBP surfaces by removing defective paint and repainting with non-LBP on surfaces such as metal and wood using methods prescribed in Part V, In-Place Management, HUD Lead-Based Paint Risk Assessment Protocol, September 1992. A copy of Part V is provided in Appendix F.
- b. Surfaces such as plaster may require encapsulation or enclosure.
- c. Educate occupants and maintenance and custodial personnel of the presence of LBP.
- d. Request occupants report deteriorating paint so that it can be repaired quickly and safely.
- e. Inspect periodically.
- f. Conduct scheduled maintenance.

Hazard No. 2: LBP on Friction and Impact Surfaces.

- a. Educate occupants and maintenance and custodial personnel concerning the generation of lead dust from these surfaces and the proper cleaning technique.
- b. Treat to reduce friction and impact and encapsulate with durable liquid encapsulant if possible.
- c. Monitor for dust generation.
- d. Inspect periodically.

Hazard No. 3: LBP on Surfaces Mouthable or Chewable by Children.

- a. Educate occupants of the presence of LBP on these surfaces so adults can deter mouthing and chewing by children.
- b. Treat surfaces.
- c. Inspect periodically.

Hazard No. 4: Lead Dust.

- a. Dust removal following procedures recommended in Appendix F and paint film stabilization.
- b. Educate occupants and maintenance and custodial personnel.
- c. Monitor for dust.
- d. Inspect periodically.

Hazard No. 5: Lead in Soil.

Follow interim controls for EPA recommended response activities for lead-contaminated bare soil. These recommendations are presented in Appendix D.

F. Abatement. Abatement techniques found in Chapter 5, TM 5-6xx, Final Draft, include the following:

- Chemical Removal: caustic strippers, non-caustic strippers, on-site stripping, off-site stripping.
- Abrasive Removal: vacuum blasting, needle gun, HEPA sanding.

- Component Removal & Replacement.
- Heat Gun Removal.
- Encapsulation: flexible wall covering, elastomeric surface coating, epoxy coating, acrylic/stucco coating.
- Training: occupants and workers.
- Enclosure: gypsum wall board; plywood/paneling; prefabricated metal; wood, metal, vinyl siding.
- Periodic Inspections.

ABATEMENT OF LBP HAZARDS:

Hazard No. 1: Deteriorated LBP.

- a. Replace doors.
- b. Chemically remove paint from doors and repaint.
- c. Replace windows and exterior trim.
- d. Chemically remove paint from windows and trim and repaint.
- e. Remove paint from trim using head guns.

Hazard No. 2: LBP on Friction and Impact Surfaces.

- a. Component replacement for friction and/or impact surfaces.
- b. Encapsulation for impact surfaces.

Hazard No. 3: LBP on Surfaces Mouthable or Chewable by Children.

- a. Remove and replace component.
- b. Encapsulate.

Hazard No. 4: Lead Dust.

Remove and replace windows.

Hazard No. 5: Lead in Soil.

Soil sampling and analysis did not identify any soil lead concentrations that would require abatement per EPA Recommendations for Response Activities for Residential Lead-Contaminated Bare Soil.

Note on cost for LBP Hazards - Approximate Costs of LBP Abatement Alternatives can be found in Table 5-3 of TM 5-6XX, Managing Lead-Based Paint (LBP) in Family Housing and Family Support Facilities, Final Draft. Costs for interim controls are not provided. An estimate and a full lead hazard control plan should be obtained from a certified lead-based paint abatement contractor.

G. Ongoing Monitoring. If LBP is not in a hazardous condition, no hazard is present and no active control measures are necessary. However, paint can

deteriorate through normal use and maintenance activity, thereby releasing dust and contaminating soil. Therefore, ongoing monitoring is necessary in all buildings in which LBP is known or suspected to be present. Reevaluations and annual visual inspections are necessary due to the potential for LBP hazards to develop since ~~hazard control methods can fail, previously intact LBP can become deteriorated, and~~ leaded dust can reaccumulate through friction, impact, or the introduction of exterior dust and soil.

A reevaluation, in general terms, is a risk assessment that includes more limited soil and dust sampling, and a detailed visual examination of paint films and any existing lead hazard controls (such as enclosures, encapsulants). Reevaluations are performed only in buildings where LBP hazards have been found to be nonexistent, either through a risk assessment, a risk assessment/inspection combination, or a clearance examination following abatement or interim control work. Reevaluation occurs at intervals recommended by the HUD Standard Reevaluation Schedule; a copy is provided in Appendix G.

Annual visual surveys are conducted by owner staff to confirm that:

- Painted surfaces with known or suspected LBP are not deteriorating.
- Control methods such as encapsulation and enclosure have not failed.
- Structural problems do not threaten the integrity of any remaining known or suspected LBP.

Visual surveys should also be conducted whenever complaints are received by occupants about potential lead hazards, the building becomes vacant, or significant damage occurs that could affect the integrity of control treatments.

Building should be maintained in good condition by following the maintenance and management practices such as:

- High-efficiency particulate air (HEPA) vacuuming, wet mopping, and cleaning floors, window troughs, and interior window sills at turnover.
- Providing LBP hazard information to new occupants.
- Maintaining ground cover.
- Encouraging occupants to report any signs of paint deterioration or failure of hazard control treatments as soon as they are detected.

IV. Site-Specific Lead Hazard Control Plan.

A. Lead Hazard Control Option To Be Implemented at Ft. McClellan. To be determined by Ft. McClellan staff.

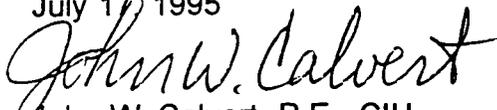
B. Training Plan for Managers, Maintenance Supervisors and Workers. It is essential that Ft. McClellan staff and others directly involved with reducing LBP hazards have instruction provided by qualified trainers to make them aware of the hazards of lead, proper procedures and work practices, and the need for protective equipment and proper hygiene. Great care must be exercised to protect workers from excess lead exposures and to prevent them from taking lead dust home on their

clothing or belongings which could then poison their children. Recommended training topics can be found in TM 5-6XX, Table 6-1. A copy of this is presented in Appendix H. Also included in Appendix H is the table of contents from the National Institute of Building Sciences, Lead-Based Paint, Operations & Maintenance Work Practices Manual for Homes and Buildings, May 1995. The work practices in this document provide good information on safely working with LBP hazards. Appendix B - Model Training Programs - EPA and SOEH from this manual is also provided in Appendix H as an additional reference.

C. Occupant Education. Building occupants should be advised of the LBP hazards identified. Especially housing occupants with small children should be advised that parents have an important role to play in protecting their children from lead poisoning. The importance of wet mopping and wet wiping to control dust levels should be stressed and the importance of washing children's hands should be emphasized. Occupants should be encouraged to call to the attention of facility personnel (staff) any chipping or peeling paint. Informational brochures may be beneficial in educating occupants about what they can do to reduce exposure to the LBP hazards. EPA has such informational brochures, One is Lead-Based Paint, Protect Your Family, Docket No. OPPTS-62133, March 1994, draft; final expected fall 1994. Additional information may be obtained from the National Lead Information Center, call (800) LEAD-FYI.

D. Signature.

Respectfully submitted,
July 17, 1995


John W. Calvert, P.E., CIH

APPENDIX A

Appendix A

Building/Group Number and Use/Activity of Buildings Surveyed

<u>Building or Group Number</u>	<u>Use/Activity</u>
66	Child Development Center
67	Silver Chapel
128	Family Fitness Center
129	Workshop
130	Miller Gym
292	Hospital (portions)
893	Chapel (exterior only)
992	Recreation Center (exterior only)
1012	Truman Gymnasium
1077	W.A.C. Museum
1740	Soldier's Chapel
1928	Bowling Alley
1929	Dental Clinic
2101	Post Theater
2102	Library
2213	Child Development Center
2242	Family Housing
2271	Family Housing
2290	Preventive Medicine Bldg.
2293	W.A.C. Chapel

Building/Group Number and Use/Activity of Buildings Surveyed

**Building or
Group Number**

Use/Activity

2299	Chemical Corps Museum
3182	Military Police Museum
3213	Army Community Service Center
3293	Chapel
3527	Scout Building
3681	Elementary School
Buchner Housing (Qtrs 9 & 13)	Family Housing, 2 units
Baltzell Housing (Qtrs 25B, 27A, 28A, 29A, 30A)	Family Housing, 5 units
Drennen Housing (Qtrs 81,83,85,87,89,90, 103,105,106,107)	Family Housing, 10 units
W.A.C. Circle (Qtrs 2235, 2236)	Family Housing, 2 units
Avery Housing Group (3310-3343)	Family Housing
Group 1 (3310-3331), (Qtrs 3311A, 3313A, 3314A, 3314B, 3316A, 3316B, 3317B, 3319A, 3319B, 3322B, 3324A, 3325A, 3327B, 3328B, 3330A, 3331A)	16 units
Group 2 (3334-3343), (Qtrs 3334A, 3336A, 3337A, 3337B, 3339A, 3340A, 3341B, 3343A, 3343B)	9 units
Littlebrant Housing Group (3400-3411) (Qtrs 3401, 3402B, 3403B, 3407, 3409B)	Family Housing 5 units

Building/Group Number and Use/Activity of Buildings Surveyed

<u>Building or Group Number</u>	<u>Use/Activity</u>
Morton, Church, and Baker Rd Housing Group (3500-3540) (Qtrs 3500A, 3500C, 3501A, 3502B, 3502D, 3503A, 3517B, 3519B, 3520E, 3524A, 3524C, 3526B, 3528D, 3529B, 3530C, 3531B, 3531E, 3532D, 3533C, 3533E, 3534B, 3534F, 3535B, 3535D, 3536A, 3536E, 3536F, 3537A, 3538B, 3538F, 3540E)	Family Housing 31 units
Wirans, Church, & Morton Rds Housing (3600 Series, 3610-3673) (Qtrs 3610B, 3611A, 3612A, 3614B, 3615B, 3616A, 3616B, 3617A, 3617B, 3618A, 3619B, 3620B, 3622B, 3624B, 3626B, 3629B, 3632B, 3635B, 3637B, 3640B, 3643B, 3652A, 3659B, 3662A, 3664A, 3664B, 3665B, 3668B, 3670A, 3671B, 3672B, 3673B)	Family Housing 32 Units
Summerall Housing (3700's Group A) (3700-3718) (Qtrs 3700A, 3700B, 3700D, 3700G, 3702B, 3702E, 3704B, 3704F, 3706D, 3708C, 3710C, 3712B, 3712G, 3714B, 3716A, 3716B, 3718A, 3718D)	Family Housing 18 units
Summerall & Sharp Housing (3700's Group B) (3719-3731) (Qtrs 3719E, 3719H, 3720C, 3721B, 3722C, 3722D, 3724A, 3725A, 3725D, 3726B, 3727A, 3727F, 3728C, 3728H, 3729E, 3731A, 3731F, 3731G, 3732A, 3732E, 3732H)	Family Housing 21 units
Cooper, Bray, Littlebrant (3700's Group C) (3737-3770) (Qtrs 3737A, 3737B, 3738B, 3739A, 3740A, 3741A, 3742B, 3743B, 3744B, 3745B, 3746B, 3761A, 3763A, 3765A, 3766A, 3767A, 3767B, 3768B, 3769B, 3770B)	Family Housing 20units

APPENDIX B

Appendix B

**TABLE 1
INTERIOR AND EXTERIOR AREAS WITH LEAD-BASED PAINT**

Building No.: Use	Components Where Lead-Based Paint Was Identified, I-Interior, E-Exterior
66 Child Development Center	I-Door components, stall, bookcase, ceiling E-none detected
67 Silver Chapel	I-Doors & components, window components, coat rack, pipes & HVAC duct, railings,ladder E-Railings & basement door & components
128 Family Fitness Center	I-None detected E-Doors & components, awnings, fire hydrant
129 Workshop	I-Concrete walls, windows, wood doors, door components E-doors & components, upper trim, soffits, windows
130 Miller Gym	I- None detected E-Brown metal guide wire cover/yellow paint
292 Hospital	I-None detected in pediatric areas and waiting rooms E-Not tested
893 Chapel	I-not tested per base personnel E-Assume all paint
992 Recreation Center	I-not tested per base personnel E-Assume white painted wood porch components
1012 Truman Gym	I-Metal doors, lockers E-None detected
1077 WAC Museum	I-None detected E-None detected
1740 Soldier's Chapel	I-Concrete walls, doors & components, windows & components, rafters, beams E-Windows & components, doors & components, support pad
1928 Bowling Alley	I-None detected E-None detected
1929 Dental Clinic	I-None detected E-None detected

Appendix B

TABLE 1
INTERIOR AND EXTERIOR AREAS WITH LEAD-BASED PAINT

Building No.: Use	Components Where Lead-Based Paint Was Identified, I-Interior, E-Exterior
2101 Post Theater	I-None detected E-Metal doors & components, railings
2102 Library	I-None detected E-Metal guide wire cover
2213 Child Development Center	I-Wood door components E-Wood doors & components, downspouts, pipes, metal panels
2242 Family Housing	I-Window sash & well E-Consider all outside paint positive, except front porch floor, block foundation, and various trim
2271 Family Housing	I-Window components, doors & trim, baseboards, shelf supports, fireplace mantle E-Porch ceiling & beam, door
2290 Preventive Medicine	I-Screen doors @ entryways E-Doors & frames, support poles, window casings & frames, handrails, downspouts
2293 WAC Chapel	I-None detected E-Soffits, window trim, door and frames, metal pole, concrete threshold, apron & steps
2299 Chemical Corps Museum	I-Window & door components, roll-up door & casing E-Downspout & gutter
3182 MP Museum	I-Metal door & components & windows, metal shelf E-Metal doors & frames & windows, metal awnings
3213 Army Community Service Center	I-Block wall, lower trim E-Window sash & casing, metal pole, door, yellow concrete curb
3293 Chapel	I-Window headers E-Door & components, upper facia

Appendix B

TABLE 1
INTERIOR AND EXTERIOR AREAS WITH LEAD-BASED PAINT

Building No.: Use	Components Where Lead-Based Paint Was Identified, I-Interior, E-Exterior
3527 Scout Building	I-Door casing & jamb, window casing, sheetrock wall, wood column E-Window casing, upper trim, column, soffit, door & jamb
3681 Elementary School	I-Door jambs rear & side entryways E-Window, soffit, door frame
Buchner Family Housing, #s 9 & 13	I-Doors & components, window components, beadboard wood ceilings, walls, baseboards & moldings, stairway components, bookcase, mantel Newell post E-Porch components & handrails, door components, soffits, rafters, cornerboards, downspout
Baltzell Family Housing, 25B, 27A, 28A, 29A, 30A	I-Doors & components, window components, baseboards, shelves & shelf supports E-Porch components, wood door components, soffits, rafters, cornerboards
Drennen Family Housing, 81, 83, 85, 87, 89 90, 103, 105, 106, 107	I-Window components, baseboards, crown & chair molding, door components, walls, stair components, shelves & supports E-Siding & walls, facia, soffits, cornerboards, door components,
WAC Circle Housing, 2235, 2236	I-Doors & components, plaster ceilings, baseboards, shelves & shelf supports E-Porch components, wood door components, soffits, rafters, cornerboards, screen trim
Avery Family Housing, Group 1, 3310-3331	I-Window sashes, shelves & shelf supports, baseboards, curtain molding, attic scuttles E-Porch components, window components, door components, fences, wood beneath vinyl siding
Avery Family Housing, Group 2, 3334-3343	I-Shelves, shelf supports, baseboards, curtain molding E-Porch ceiling, trim, column, support; wood rail, wood fences, concrete slab

Appendix B

**TABLE 1
INTERIOR AND EXTERIOR AREAS WITH LEAD-BASED PAINT**

Building No.: Use	Components Where Lead-Based Paint Was Identified, I-Interior, E-Exterior
Littlebrant Family Housing, 3400-3411	I-Baseboards, shelves & shelf supports, attic scuttles E-Porch components, fence components
Morton, Church, & Baker Rd Family Housing, 3500-3540	I-Stairs, risers, thread, handrails, posts E-Facia, soffits, cornerboards; porch frame, trim, floor
Wirans, Church, and Morton Rds Family Housing, 3610-3673	I-Window components, shelves & shelf supports E-Door components, fences; metal electrical conduits, guide wire sleeves, & vents; porch supports, wood porch components, window components
Summerall Family Housing, Group A, 3700-3718	I-Window sills, frames, casings; baseboards, crown & chair molding, shelves & supports; stair stringer, riser, cabinets E-Door headers, casings, frames; porch frame, trim, floor
Summerall/Sharp Family Housing, Group B, 3719-3732	I-Bathroom cabinets (2nd FL), baseboards, shelves & supports, stair risers & stringers E-Door components, window header plate; porch support pole, ceiling, upper trim, back fence
Cooper, Bray, & Littlebrant Family Housing, Group C, 3737-3770	I-Shelves & supports, window sash, frames, casings E-window sills, frames, casings; porch frame, trim, floor; fences, conduit

For the individual buildings, components with LBP were identified from positive XRF readings and/or positive scrape sample analysis in SADL survey reports. For family housing groups, components with LBP were identified from component summary tables in SADL survey reports. The HUD Interim Guidelines set out decision rules depending on the percentages of components classified as positive. The rules are applied to each component separately, and depend on the type of XRF analyzer used. For the XRF spectrum analyzer, if more than 11% of a component are positive, lead is present, and either all such components should be abated, or all should be tested to determine which require abatement and which do not.

Appendix B

**TABLE 2
PAINTED BUILDING COMPONENTS/SURFACES
WITH LEAD-BASED PAINT IN FAIR/POOR CONDITION**

Building or Unit #	Fair ("I-": Interior, "E-": Exterior)	Poor ("I-": Interior, "E-": Exterior)
66	I-Janitor's closet: Tan metal door jamb.	I-Janitor's closet: White wood ceiling (above dropped tile ceiling)
67	I-Stairwell: Brown metal railing	E-Brown metal railing
128	E-Metal doors & components, beige metal fire hydrant	
129	I-Rm 1: beige upper concrete wall, beige metal door jamb, beige wood door casing, brown wood door jamb, beige wood door, Rm2: Beige metal window frame, Rm 3: Beige wood door, beige metal door jamb, Rm 5: beige wood door E-Brown metal window frame, brown screened door	I-Rm 1: Beige upper concrete wall, Rm 4: Beige concrete wall, Rm 5: beige concrete wall, Rm 6: brown wood door E-Brown wood door
893	E-White wood door	E-White wood clapboard, green concrete foundation, white wood window sill, white wood cornerboard, white wood door, white wood window sash
992	E-White wood porch ceiling	E-White wood upper porch trim
1012	I-Steam room orange metal door	
1740	I-Rm 1: White metal rafter, Rm 2: white metal door & casing, Rm 3: tan concrete wall	I-Rm 1: White metal window sash, Rm 6: White metal window sash E-Brown concrete pad
2101	E-Pink metal door & casing, pink metal dock apron	E-Pink metal rail
2102		E-Brown telephone guide wire cover
2213	E-Tan metal downspout lower section, brown wood door	E- brown metal panel, brown/white metal pipe, brown wood basement door, green wood door jamb
2242	E-White wood door jamb	I-LR brown window sash E-White wood siding, green wood window casing, green wood door, white wood porch ceiling, white wood porch rafter, white wood door

Appendix B

**TABLE 2
PAINTED BUILDING COMPONENTS/SURFACES
WITH LEAD-BASED PAINT IN FAIR/POOR CONDITION**

Building or Unit #	Fair ("I-": Interior, "E-": Exterior)	Poor ("I-": Interior, "E-": Exterior)
2271	E-Green wood door	I-Rm 5 BR: White wood shelf support E-White wood porch ceiling
2290	E-Brown metal railing , brown wood door, tan metal downspout base, brown metal support pole	E-Tan metal downspout
2293	E-Brown metal pole, brown wood door & jamb	E- Brown wood window sash, white concrete threshold , apron, & steps, brown wood door
2299	I-Partition office grey door casing E-Brown rain gutter	I-Rm 6: Green metal door casing, green roll-up door E-Brown metal downspout
3182	I-Rm 3: Tan metal door, Rm 6: white metal shelf E-Brown metal door frames with metal doors, brown metal awnings	
3213	E-Brown metal window casing	E-Brown metal window sash, brown metal pole, yellow concrete curb
3293	E-Brown metal door	E-Brown wood door & header, brown upper fascia
3527	I-Rm 1: White metal window casing	E-White wood window casing, white wood upper trim, white wood column, white wood soffit, white door & jamb
Buchner #13	I-Basement: white steel column, green wood screen door, green wood door, Newel post E-Brown wood soffit	E-Brown metal downspout catch
Baltzell, 28A	E-white porch railing, white metal porch support	
Baltzell, 29A	E-white porch rail	
Baltzell, 30A	E-White porch railing, white porch ceiling	

Appendix B

**TABLE 2
PAINTED BUILDING COMPONENTS/SURFACES
WITH LEAD-BASED PAINT IN FAIR/POOR CONDITION**

Building or Unit #	Fair ("I-": Interior, "E-": Exterior)	Poor ("I-": Interior, "E-": Exterior)
Drennen, 81	I-Kitchen plaster ceiling, basement: steel support beam, back door E-White wood door jamb	I-MBR wood baseboard, Basement: stairwell, stair riser E-Creme porch soffit, white window apron, front porch siding, white wood rear door
Drennen, 83	I-Basement: cross beam support, gray creme door E-Upper porch trim	I-Basement: steel support post
Drennen, 85	E-Creme wood siding	
Drennen, 90	I-Basement: gray stair rail & stringer	
WAC Circle, 2236	E-Tan metal post, tan wood screen door, tan wood door casing, tan wood screen trim	E-Tan wood eave
Avery, Group 1, 3314B	E-White metal porch support	
Avery, GP 1, 3325A	I-Rm 4: White wood shelf support E-White wood window apron, white wood window casing	E-White wood door casing
Avery, GP 1 3327B		E-White wood window apron
Avery, GP 1 3331A	E-White wood door casing, white wood window apron	E-White wood fence
Littlebrant, 3401	E-White metal porch support, white wood porch ceiling	E-White wood trim
Littlebrant, 3403B		E-Green metal fence support
Morton, Church, Baker, 3500A	E-White wood door overhang	E-White metal porch support
Morton, Church, Baker, 3503A		E-White wood window apron
Morton, Church, Baker, 3517B	E-White wood window casing, white wood window sill	E-White metal door casing

Appendix B

**TABLE 2
PAINTED BUILDING COMPONENTS/SURFACES
WITH LEAD-BASED PAINT IN FAIR/POOR CONDITION**

Building or Unit #	Fair ("I-": Interior, "E-": Exterior)	Poor ("I-": Interior, "E-": Exterior)
Morton, Church, Baker, 3519B		E-White metal porch support, white door trim
Morton, Church, Baker, 3520E		E-White metal porch support
Morton, Church, Baker, 3524C		E-White wood window divider
Morton, Church, Baker, 3531B		E-White metal column
Morton, Church, Baker, 3532D	E-White metal porch support	
Morton, Church, Baker, 3533E		E-White metal porch support
Morton, Church, Baker, 3534F	E-White wood window casing	E-White wood porch support
Morton, Church, Baker, 3535D	E-White metal porch support, white wood upper trim	
Morton, Church, Baker, 3536A		E-White porch support, white wood window frame
Morton, Church, Baker, 3536F		E-White metal porch post
Morton, Church, Baker, 3537A	E-White wood window casings (2)	
Morton, Church, Baker, 3538B	E-White metal support post	
Morton, Church, Baker, 3540E	E-White metal porch	
Wirans, Church, Morton Rds, 3600s, 3610B	I-Kitchen: white wood window well; MB: white wood window well, child's BR: white wood window well	
Wirans, Church, Morton Rds, 3600s, 3611A	E-White metal porch post	E-White porch ceiling, white wood window sills (2)

Appendix B

**TABLE 2
PAINTED BUILDING COMPONENTS/SURFACES
WITH LEAD-BASED PAINT IN FAIR/POOR CONDITION**

Building or Unit #	Fair ("I-": Interior; "E-": Exterior)	Poor ("I-": Interior; "E-": Exterior)
Wirans, Church, Morton Rds, 3600s, 3614B	E-White wood porch ceiling, white wood window casing (2), white metal porch support	
Wirans, Church, Morton Rds, 3600s, 3615B	E-White metal porch support, white wood upper trim	E-White wood window sill
Wirans, Church, Morton Rds, 3600s, 3616A	E-White wood porch trim	E-white wood window apron, white metal porch support, white wood porch ceiling
Wirans, Church, Morton Rds, 3600s, 3616B	I-Kitchen: white wood window well E-White wood door header, white wood window apron	E-Red wood fence
Wirans, Church, Morton Rds, 3600s, 3617B	I-Kitchen: white wood window well	I-Child's BR: white wood window well
Wirans, Church, Morton Rds, 3600s, 3618A	E-White metal porch support	E-White wood porch ceiling, white wood window casing, brown wood fence, white wood window sill
Wirans, Church, Morton Rds, 3600s, 3619B	E-White metal porch support	I-MBR: white wood window well, RM 4 BR: white wood window well E-White wood window apron, white wood porch ceiling
Wirans, Church, Morton Rds, 3600s, 3620B		E-White wood window apron, white wood porch ceiling, white wood fence
Wirans, Church, Morton Rds, 3600s, 3622B	I-Rm 1: white wood window well E-White wood upper trim, white wood window casing, white metal conduit, white wood door casing,	E-White metal porch support, white wood window sill, white wood fence
Wirans, Church, Morton Rds, 3600s, 3624B	E-White wood porch ceiling	
Wirans, Church, Morton Rds, 3600s, 3626B	I-Child's BR: white wood window well E-White wood window casing, white wood window sill, white metal porch post	

Appendix B

**TABLE 2
PAINTED BUILDING COMPONENTS/SURFACES
WITH LEAD-BASED PAINT IN FAIR/POOR CONDITION**

Building or Unit #	Fair ("I-": Interior; "E-": Exterior)	Poor ("I-": Interior; "E-": Exterior)
Wirans, Church, Morton Rds, 3600s, 3629B	E-White wood fence, white wood door casing, white wood porch ceiling, white wood window apron	
Wirans, Church, Morton Rds, 3600s, 3632B	I-Kitchen: white wood window well E-White wood window casing, white metal porch support	E-White wood fence
Wirans, Church, Morton Rds, 3600s, 3637B	I-Kitchen: white wood window well, child's BR: white wood window well E-White wood window casing, white wood porch ceiling, white wood window sill	E-White wood fence
Wirans, Church, Morton Rds, 3600s, 3643B	E-White wood porch ceiling, white wood window sill, white metal porch support	
Wirans, Church, Morton Rds, 3600s, 3659B	I-MBR: white window well E-White wood window sill	E-white metal porch support
Wirans, Church, Morton Rds, 3600s, 3664A	I-Rm 2: white wood window well, white wood window sash E-White wood porch ceiling, white wood window casing	E-Green wood fence, white wood upper trim
Wirans, Church, Morton Rds, 3600s, 3664B	E-White wood porch ceiling, white wood door casing, white window apron	E-Green wood privacy fence
Wirans, Church, Morton Rds, 3600s, 3665B	I-Kitchen: white wood window well	E-White wood window casing
Wirans, Church, Morton Rds, 3600s, 3670A	I-Rm 2: White wood window well E-white electric conduit, white wood window sill, white metal porch support, white wood upper porch trim, white wood fence, white wood window casing	
Wirans, Church, Morton Rds, 3600s, 3671B	E-White metal porch support	E-white wood fence

Appendix B

**TABLE 2
PAINTED BUILDING COMPONENTS/SURFACES
WITH LEAD-BASED PAINT IN FAIR/POOR CONDITION**

Building or Unit #	Fair ("I-": Interior; "E-": Exterior)	Poor ("I-": Interior; "E-": Exterior)
Wirans, Church, Morton Rds, 3600s, 36172B	E-White wood window casing (2), tan guide wire sleeve	E-White metal porch support, tan wood fence
Summerall, 3700s, Group A, 3700A	E-White metal porch support	
Summerall, 3700s, Group A, 3700G	E-White metal porch support	
Summerall, 3700s, Group A, 3706D		E-White metal porch support
Summerall, 3700s, Group A, 3708C	E-White metal porch support	
Summerall & Sharp, 3700s, Group B, 3719E	E-White metal porch support, white metal window header, white wood porch ceiling, white wood door casing, white wood fence	
Summerall & Sharp, 3700s, Group B, 3719H	E-White metal porch support	
Summerall & Sharp, 3700s, Group B, 3721B	E-White wood door casing, white wood fence	
Summerall & Sharp, 3700s, Group B, 3722D	E-White metal porch post	
Summerall & Sharp, 3700s, Group B, 3724A	E-White metal porch post	
Summerall & Sharp, 3700s, Group B, 3725A	E-White metal porch post	

Appendix B

**TABLE 2
PAINTED BUILDING COMPONENTS/SURFACES
WITH LEAD-BASED PAINT IN FAIR/POOR CONDITION**

Building or Unit #	Fair ("I-": Interior, "E-": Exterior)	Poor ("I-": Interior, "E-": Exterior)
Summerall & Sharp, 3700s, Group B, 3725D	E-White metal porch post, white wood door casing	
Summerall & Sharp, 3700s, Group B, 3727F	E-White metal porch post, white wood door jamb, white wood fence, white metal door casing	
Summerall & Sharp, 3700s, Group B, 3729E	E-White metal porch fascia trim, white metal porch post, white metal door header, white wood fence	E-White wood porch ceiling
Summerall & Sharp, 3700s, Group B, 3731A	E-White wood door casing	E-White metal porch post, white metal door header
Summerall & Sharp, 3700s, Group B, 3732A	E-White metal porch post, white metal window header, white wood fence, white wood door casing	
Summerall & Sharp, 3700s, Group B, 3732E	E-White metal porch support, white wood fence	
Cooper, Bray, Littlebrant, 3700s, Group C, 3740A	E-White wood porch ceiling, white wood window casing, white metal porch support, white wood porch trim	E-White wood fence
Cooper, Bray, Littlebrant, 3700s, Group C, 3742B	E-White metal porch support	E-White wood window sill

APPENDIX C

Appendix C

**BUILDINGS/UNITS WHERE
LEAD DUST SAMPLE RESULTS
EXCEEDED CLEARANCE LEVELS**

Building/Unit #	Floor	Window Sill (WS)	Window Well (WW)	Comment
67	134			Stairwell Floor
2299	445			Entry Area Floor
3319A (3310-3343)	933	4600	7632	BR Floor, Kit WW, BR WS
3530C (3500-3542)	198			Kit Floor
3610B (3610-3673)			1242 1193	DR Bathroom
3626B (3610-3673)			1076 824	Kitchen Child's BR
3640B (3610-3673)			2044 3841	BR Teenager's BR
3659B (3610-3673)			936	Master BR
3664B (3610-3673)			892	Bathroom
3665B (3610-3673)			934 2093	Kitchen BR
3708C (3700-3818)	125			BR
3731H (3719-3732)	109			Stairwell
3737B (3737-3770)			1789	Master BR

Recommended Clearance Levels:

<u>Location</u>	<u>Lead Loading</u>
Uncarpeted Floors	100 µg/ft ² .
Interior Window Sills	500 µg/ft ² .
Window Wells	800 µg/ft ² .



SOIL AND DUST SAMPLE DATA FOR
LEAD RISK ASSESSMENT
FORT McCLELLAN AND ANNISTON ARMY DEPOT
ALABAMA

1. Enclosed are the sample results and quality control data for soil and dust (wipe) samples taken for lead risk assessment at Ft. McClellan and Anniston Army Depot Alabama.

2. Soil and dust sampling was conducted in accordance with general procedures in the April 1, 1990 HUD Guidelines (revised September 28, 1990). A lead-based paint (LBP) survey using a SCITEC MAP 3, X-ray Fluorescence Spectrometer (XRF spectrum analyzer) was performed just prior to dust sampling. Therefore, dust samples were taken in areas where lead contaminated dust was more likely to exist.

3. The data is grouped according to the type of sample (soil or dust) and area sampled. Each building is treated as a separate area. Family housing is divided into areas similar in; type and time of construction, location and LBP survey results. For example, Units 25 - 30 on Baltzell Rd. were built in the mid 1950's and have similar floorplans and LBP survey results.

4. This report consists of:

- Table 1: Soil Sample Data for Ft. McClellan
- Table 2: Laboratory Quality Control Data for Ft. McClellan Soil Samples
- ✓ Table 3: Dust Sample Data for Ft. McClellan
- ✓ Table 4: Laboratory Quality Control Data for Ft. McClellan Dust Samples
- Table 5: Soil, Dust and Quality Control Data for Anniston Army Depot

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Table 3
FORT McCLELLAN DUST DATA
Buildings and Family Housing Groups

Field ID	Sample Date	Sample Time	Lab #	Result	Units	Location of Wipe Sample
BUILDINGS						
Building 67 (Silver Chapel)						
7094.67.1D	94/02/02	850	18876	58.1	ug/Ft ²	Kitchen - Window Sill
7094.67.2D	94/02/02	850	18877	44.6	ug/Ft ²	Basement Entry Area - Floor
7094.67.3D	94/02/02	850	18878	235.0	ug/Ft ²	Basement Entry Area - Top of HVAC Duct
7094.67.4D	94/02/02	850	18879	33.6	ug/Ft ²	Chapel - Floor
7094.67.5D	94/02/02	850	18880	37.6	ug/Ft ²	Chapel - Top of Wall Paneling near Podium
7094.67.6D	94/02/02	850	18881	134.0	ug/Ft ²	Stairwell - Landing Floor
7094.67.7D	94/02/02	850	18882	89.3	ug/Ft ²	Basement Office - Floor
Building 1740 (Soldier's Chapel)						
7094.1740.2D	94/02/25	1715	19468	78.9	ug/Ft ²	Main Chapel - Window Sill
7094.1740.3D	94/02/25	1720	19469	< 25.0	ug/Ft ²	Main Chapel - Floor
7094.1740.4D	94/02/25	1722	19470	156.0	ug/Ft ²	Large Storage Room - Window Sill
7094.1740.5D	94/02/25	1725	19471	41.7	ug/Ft ²	Large Storage Room - Floor
Building 2299 (Chemical Museum)						
7094.2299.2D	94/03/15	1545	19533	445.0	ug/Ft ²	Entry Area - Floor
7094.2299.3D	94/03/15	1550	19534	15.3	ug/Ft ²	Office Area - Window Sill
7094.2299.4D	94/03/15	1555	19535	30.0	ug/Ft ²	Office Area - Floor
7094.2299.5D	94/03/15	1600	19536	< 33.8	ug/Ft ²	Artifact Storage - Window Sill
7094.2299.7D	94/03/15	1610	19538	23.8	ug/Ft ²	Artifact Storage - Window Sill
7094.2299.8D	94/03/15	1615	19539	< 19.8	ug/Ft ²	Artifact Storage - Window Sill
Building 3213 (Army Community Service Center)						
7094.3213.2D	94/02/10	1605	18860	38.8	ug/Ft ²	Children's Playroom - Floor
7094.3213.3D	94/02/10	1606	18861	37.0	ug/Ft ²	Children's Playroom - Floor
7094.3213.4D	94/02/10	1612	18862	27.0	ug/Ft ²	Hallway - Floor
7094.3213.5D	94/02/10	1615	18863	< 25.6	ug/Ft ²	Front Entry - Floor
Building 3293 (Chapel)						
7094.3293.1D	94/02/03	1030	18870	< 40.3	ug/Ft ²	Activity Room - Window Sill
7094.3293.2D	94/02/03	1036	18871	44.6	ug/Ft ²	Activity Room - Floor
7094.3293.4D	94/02/03	1040	18873	29.2	ug/Ft ²	Chapel - Window Sill
7094.3293.5D	94/02/03	1045	18874	44.6	ug/Ft ²	Chapel - Floor
Building 3527 (Scout Building)						
7094.3527.1D	94/02/24	1635	19572	17.3	ug/Ft ²	Large Activity Room - Floor
7094.3527.3D	94/02/24	1640	19574	< 18.5	ug/Ft ²	Large Activity Room - Window Sill
7094.3527.4D	94/02/24	1642	19575	21.2	ug/Ft ²	Small Activity Room - Window Sill
7094.3527.5D	94/02/24	1645	19576	29.2	ug/Ft ²	Kitchen - Floor
Building 3681 (Dependent School)						
7094.3681.1D	94/02/05	1410	18865	48.5	ug/Ft ²	Entry - Floor by North Exit Door
7094.3681.2D	94/02/05	1415	18866	74.1	ug/Ft ²	Entry - Floor by West Exit Door
7094.3681.3D	94/02/05	1417	18867	32.5	ug/Ft ²	Entry - Floor by East Exit Door

Table 3 (continued)
 FORT McCLELLAN DUST DATA
 Buildings and Family Housing Groups

Field ID	Sample Date	Sample Time	Lab #	Result	Units	Location of Wipe Sample
FAMILY HOUSING GROUPS (continued)						
Wirans/Church/Morton (Units 3610 - 3673) (continued)						
7094.3664B.2D	94/03/07	922	19417		26.3 ug/Ft ²	Kitchen - Window Well
7094.3664B.3D	94/03/07	925	19418	<	36.2 ug/Ft ²	Kitchen - Floor
7094.3664B.4D	94/03/07	927	19419		120.0 ug/Ft ²	Living Room - Window Sill
7094.3664B.5D	94/03/07	930	19420	<	36.2 ug/Ft ²	Living Room - Floor
7094.3664B.6D	94/03/07	935	19421		60.0 ug/Ft ²	Bedroom - Window Sill
7094.3664B.8D	94/03/07	940	19423	<	40.3 ug/Ft ²	Bedroom - Floor
7094.3664B.9D	94/03/07	942	19424		892.0 ug/Ft ²	Bathroom - Window Well
7094.3664B.10D	94/03/07	945	19425	<	40.3 ug/Ft ²	Bathroom - Floor
7094.3665B.1D	94/03/07	1046	19489		941.0 ug/Ft ²	Kitchen - Window Well
7094.3665B.2D	94/03/07	1047	19490	<	25.0 ug/Ft ²	Kitchen - Floor
7094.3665B.3D	94/03/07	1050	19491		196.0 ug/Ft ²	Living Room - Window Well
7094.3665B.4D	94/03/07	1052	19492	<	24.0 ug/Ft ²	Living Room - Floor
7094.3665B.6D	94/03/07	1056	19494		613.0 ug/Ft ²	Child's Bedroom - Window Well
7094.3665B.7D	94/03/07	1058	19495	<	15.2 ug/Ft ²	Child's Bedroom - Floor
7094.3665B.8D	94/03/07	1102	19496		2093.0 ug/Ft ²	Bedroom - Window Well
7094.3665B.9D	94/03/07	1104	19497	<	13.7 ug/Ft ²	Bedroom - Floor
Summerall (Units 3700- 3718)						
7094.3700A.2D	94/03/08	1001	19379	<	18.1 ug/Ft ²	Kitchen - Window Sill
7094.3700A.3D	94/03/08	1005	19380	<	36.2 ug/Ft ²	Dining Room - Floor
7094.3700A.4D	94/03/08	1007	19381	<	56.8 ug/Ft ²	Stairwell - Tread
7094.3700A.5D	94/03/08	1010	19382	<	36.2 ug/Ft ²	Bedroom - Floor
7094.3700A.6D	94/03/08	1011	19383	<	45.4 ug/Ft ²	Bathroom - Window Sill
7094.3700D.1D	94/03/08	1022	19475	<	17.4 ug/Ft ²	Kitchen - Floor
7094.3700D.2D	94/03/08	1025	19476	<	17.1 ug/Ft ²	Kitchen - Window Sill
7094.3700D.3D	94/03/08	1030	19477		20.3 ug/Ft ²	Living Room - Window Well
7094.3700D.4D	94/03/08	1035	19478	<	25.0 ug/Ft ²	Dining Room - Floor
7094.3700D.5D	94/03/08	1118	19479		29.8 ug/Ft ²	Child's Bedroom - Window Well
7094.3700D.6D	94/03/08	1120	19480		32.8 ug/Ft ²	Child's Bedroom - Floor
7094.3700D.7D	94/03/08	1126	19481		20.5 ug/Ft ²	Child's Bedroom - Floor
7094.3700D.8D	94/03/08	1130	19482		25.2 ug/Ft ²	Bathroom - Floor
7094.3706D.1D	94/03/09	932	19513		22.9 ug/Ft ²	Kitchen - Window Well
7094.3706D.2D	94/03/09	935	19514	<	17.2 ug/Ft ²	Kitchen - Floor
7094.3706D.3D	94/03/09	936	19515	<	18.9 ug/Ft ²	Dining Room - Window Sill
7094.3706D.4D	94/03/09	938	19516	<	25.0 ug/Ft ²	Dining Room - Floor
7094.3706D.5D	94/03/09	942	19517	<	13.6 ug/Ft ²	Bedroom - Floor
7094.3706D.6D	94/03/09	945	19518	<	14.9 ug/Ft ²	Child's Bedroom - Closet Floor
7094.3708C.2D	94/03/09	940	19450	<	17.6 ug/Ft ²	Kitchen - Window Sill
7094.3708C.3D	94/03/09	942	19451	<	40.3 ug/Ft ²	Living Room - Floor
7094.3708C.4D	94/03/09	945	19452	<	67.6 ug/Ft ²	Stairwell - Tread
7094.3708C.5D	94/03/09	947	19453		125.0 ug/Ft ²	Bedroom - Floor
7094.3708C.6D	94/03/09	950	19454	<	28.4 ug/Ft ²	Bedroom - Window Well
7094.3718A.2D	94/03/10	900	19562	<	20.3 ug/Ft ²	Kitchen - Window Sill
7094.3718A.3D	94/03/10	902	19563	<	24.0 ug/Ft ²	Kitchen - Floor
7094.3718A.4D	94/03/10	904	19564	<	16.9 ug/Ft ²	Living Room - Window Sill
7094.3718A.5D	94/03/10	904	19565	<	25.0 ug/Ft ²	Living Room - Floor
7094.3718A.6D	94/03/10	908	19566		23.3 ug/Ft ²	Child's Bedroom - Closet Floor
7094.3718A.7D	94/03/10	911	19567	<	21.2 ug/Ft ²	Bathroom - Floor
7094.3718A.8D	94/03/10	914	19568	<	10.7 ug/Ft ²	Child's Bedroom - Floor

Table 3 (continued)
 FORT McCLELLAN DUST DATA
 Buildings and Family Housing Groups

Field ID	Sample Date	Sample Time	Lab #	Result	Units	Location of Wipe Sample
FAMILY HOUSING GROUPS						
Baltzell Rd. (Units 25 - 30)						
7094.25B.1D	94/02/02	1010	18912	<	56.8 ug/Ft ²	Kitchen - Window Sill
7094.25B.3D	94/02/02	1020	18914		50.0 ug/Ft ²	Living Room - Floor
Drennen (Units 81 - 107)						
7094.106.5.1D	94/02/09	1030	18907	<	64.1 ug/Ft ²	Bedroom - Floor
7094.106.5.2D	94/02/09	1030	18908	<	58.8 ug/Ft ²	Bedroom - Window Sill
7094.106.5.4D	94/02/09	1035	18910	<	56.8 ug/Ft ²	Bedroom - Floor
7094.106.5.5D	94/02/09	1040	18911		54.9 ug/Ft ²	Kitchen - Window Well
WAC Circle (Units 2235 - 2240)						
7094.2235.2D	94/03/17	917	19437	<	32.9 ug/Ft ²	Bedroom - Floor
7094.2235.3D	94/03/17	920	19438	<	26.9 ug/Ft ²	Kitchen - Window Sill
Avery (Units 3310 - 3343)						
7094.3319A.2.4D	94/02/09	0	18885		7632.0 ug/Ft ²	Kitchen - Window Well
7094.3319A.3.1D	94/02/09	1131	18887	<	40.0 ug/Ft ²	Living Room - Floor
7094.3319A.4.7D	94/02/09	1139	18893	<	50.0 ug/Ft ²	Master Bath - Floor
7094.3319A.4D	94/02/09	1138	18890		147.0 ug/Ft ²	Master Bath - Window Well
7094.3319A.5.2D	94/02/09	1144	18892	<	100.0 ug/Ft ²	Bedroom - Window Sill
7094.3319A.5D	94/02/09	1142	18891	<	41.0 ug/Ft ²	Bedroom - Closet Floor
7094.3319A.6.3D	94/02/09	1135	18889		933.0 ug/Ft ²	Bedroom - Floor
7094.3319A.6.4D	94/02/09	1134	18888		4600.0 ug/Ft ²	Bedroom - Window Sill
Horton/Church/Baker (Units 3500 - 3542)						
7094.3519B.1D	94/02/22	1627	19427	<	26.0 ug/Ft ²	Kitchen - Window Well
7094.3519B.2D	94/02/22	1632	19428	<	25.0 ug/Ft ²	Kitchen - Floor
7094.3519B.3D	94/02/22	1633	19429	<	25.0 ug/Ft ²	Living Room - Floor
7094.3519B.5D	94/02/22	1642	19431	<	29.1 ug/Ft ²	Living Room - Window Well
7094.3519B.6D	94/02/22	1645	19432	<	25.0 ug/Ft ²	Baby Bedroom - Floor
7094.3519B.7D	94/02/22	1647	19433	<	28.4 ug/Ft ²	Baby Bedroom - Window Well
7094.3519B.8D	94/02/22	1650	19434	<	25.0 ug/Ft ²	Child's Bedroom - Floor
7094.3519B.9D	94/02/22	1655	19435	<	28.4 ug/Ft ²	Child's Bedroom - Window Well
7094.3520E.1D	94/02/23	1147	19299	<	12.4 ug/Ft ²	Kitchen - Floor
7094.3520E.2D	94/02/23	1150	19300	<	19.1 ug/Ft ²	Kitchen - Door
7094.3520E.4D	94/02/23	1153	19302		15.2 ug/Ft ²	Stairwell - Railing Support
7094.3526B.2D	94/02/24	930	19313	<	25.0 ug/Ft ²	Laundry Room - Floor
7094.3530C.2D	94/02/25	1005	19346		198.0 ug/Ft ²	Kitchen - Floor
7094.3530C.3D	94/02/25	1010	19347	<	59.5 ug/Ft ²	Stairwell - Tread
7094.3533E.1D	94/02/26	1215	19356	<	17.6 ug/Ft ²	Foyer - Floor
7094.3533E.2D	94/02/26	1216	19357	<	15.2 ug/Ft ²	Stairwell - Railing Support
7094.3533E.3D	94/02/26	1217	19358	<	28.4 ug/Ft ²	Kitchen - Window Well
7094.3534B.2D	94/02/28	1002	19342	<	59.5 ug/Ft ²	Kitchen - Floor
7094.3534B.3D	94/02/28	1004	19343	<	71.4 ug/Ft ²	Stairwell - Floor

APPENDIX D

Table 4
 QUALITY CONTROL DATA FOR
 FORT McCLELLAN DUST SAMPLES
 Buildings and Family Housing Groups

Spike Field ID (1000 ug/Sample Spike)	Sample Date	Sample Time	Lab #	Result	Units	Spike Percent Recovery
7094.106.5.3D	94/02/09	1035	18909	900.0	ug/Sample	90.0 %
7094.3319A.2.D	94/02/09	0	18886	850.0	ug/Sample	85.0 %
7094.3519B.4D	94/02/22	1640	19430	1020.0	ug/Sample	102.0 %
7094.3520E.3D	94/02/23	1153	19301	1010.0	ug/Sample	101.0 %
7094.3610B.6D	94/03/02	1055	19390	985.0	ug/Sample	98.5 %
7094.3616B.1D	94/03/03	932	19621	1010.0	ug/Sample	101.0 %
7094.3626B.5D	94/03/04	1128	19445	970.0	ug/Sample	97.0 %
7094.3640B.1D	94/03/04	1536	19612	965.0	ug/Sample	96.5 %
7094.3652A.6D	94/03/05	935	19400	975.0	ug/Sample	97.5 %
7094.3659B.9D	94/03/05	1054	19415	1005.0	ug/Sample	100.5 %
7094.3664B.7D	94/03/07	937	19422	1005.0	ug/Sample	100.5 %
7094.3665B.5D	94/03/07	1054	19493	1000.0	ug/Sample	100.0 %
7094.3700A.7D	94/03/08	1015	19384	930.0	ug/Sample	93.0 %
7094.3708C.7D	94/03/09	953	19455	935.0	ug/Sample	93.5 %
7094.3718A.1D	94/03/10	858	19561	925.0	ug/Sample	92.5 %
7094.3742B.2D	94/03/15	1034	19596	970.0	ug/Sample	97.0 %
7094.3766A.1D	94/03/16	1022	19605	995.0	ug/Sample	99.5 %
7094.1740.1D	94/02/25	1712	19467	840.0	ug/Sample	84.0 %
7094.3213.1D	94/02/10	1600	18859	900.0	ug/Sample	90.0 %
7094.3293.3D	94/02/03	1038	18872	900.0	ug/Sample	90.0 %
7094.3527.2D	94/02/24	1638	19573	1010.0	ug/Sample	101.0 %

Field Blank ID	Sample Date	Sample Time	Lab #	Result	Units
7094.25B.2D.BLANK	94/02/02	1015	18913	< 50.0	ug/Sample
7094-D1 BLANK	94/02/02	850	18883	< 50.0	ug/Sample
7094.106.BLANK	94/02/09	1020	18906	< 50.0	ug/Sample
7094.2235.1D BLANK	94/03/17	915	19436	< 25.0	ug/Sample
7094.3319A.BLANK	94/02/09	1020	18884	< 50.0	ug/Sample
7094.3519B.BLANK	94/02/22	1625	19426	< 25.0	ug/Sample
7094.3520E.BLANK	94/02/23	1145	19298	< 25.0	ug/Sample
7094.3526B.1D.BLANK	94/02/24	925	19312	< 25.0	ug/Sample
7094.3530C.1D BLANK	94/02/25	1002	19345	< 25.0	ug/Sample
7094.3533E.BLANK	94/02/26	1210	19355	< 25.0	ug/Sample
7094.3534B.1D BLANK	94/02/28	1000	19341	< 25.0	ug/Sample
7094.3536A.D2.BLANK	94/02/01	1440	18895	< 50.0	ug/Sample
7094.3536A.D8.BLANK	94/02/01	0	18901	< 50.0	ug/Sample
7094.3610B.1D BLANK	94/03/02	1030	19385	< 25.0	ug/Sample
7094.3616B.BLANK	94/03/03	930	19620	< 25.0	ug/Sample
7094.3626B.BLANK	94/03/04	1115	19440	< 25.0	ug/Sample
7094.3640B.BLANK	94/03/04	1535	19611	< 25.0	ug/Sample
7094.3652A.1D BLANK	94/03/05	920	19395	< 25.0	ug/Sample
7094.3659B.BLANK	94/03/05	1035	19406	< 25.0	ug/Sample
7094.3664B.1D BLANK	94/03/07	920	19416	< 25.0	ug/Sample
7094.3665B.BLANK	94/03/07	1045	19488	< 25.0	ug/Sample
7094.3700A.1D BLANK	94/03/08	1000	19378	< 25.0	ug/Sample
7094.3700D.9D BLANK	94/03/08	1132	19483	< 25.0	ug/Sample
7094.3700D.BLANK	94/03/08	1020	19474	< 25.0	ug/Sample
7094.3706D.BLANK	94/03/09	930	19512	< 25.0	ug/Sample
7094.3708C.1D BLANK	94/03/09	937	19449	< 25.0	ug/Sample
7094.3718A.BLANK	94/03/10	855	19560	< 25.0	ug/Sample
7094.3718D.1D BLANK	94/03/10	918	19328	< 25.0	ug/Sample
7094.3725A.1D BLANK	94/03/11	930	19499	< 25.0	ug/Sample
7094.3725D.1D BLANK	94/03/11	1045	19485	< 25.0	ug/Sample
7094.3725D.BLANK	94/03/11	1045	19484	< 25.0	ug/Sample
7094.3732H.1D BLANK	94/03/14	1105	19349	< 25.0	ug/Sample
7094.3737B.BLANK	94/03/14	1405	19626	< 25.0	ug/Sample
7094.3742B.BLANK	94/03/15	1030	19594	< 25.0	ug/Sample
7094.3743B.1D BLANK	94/03/15	1045	19367	< 25.0	ug/Sample
7094.3766A.BLANK	94/03/16	1020	19604	< 25.0	ug/Sample
7094.1740.BLANK	94/02/25	1710	19466	< 25.0	ug/Sample
7094.2299.1D BLANK	94/03/15	1545	19532	< 25.0	ug/Sample
7094.3213.BLANK	94/02/10	1600	18858	< 50.0	ug/Sample
7094.3293.BLANK	94/02/03	1025	18869	< 50.0	ug/Sample
7094.3527.BLANK	94/02/24	1632	19571	< 25.0	ug/Sample
7094.3681.BLANK	94/02/05	1410	18864	< 50.0	ug/Sample

Appendix D

**BUILDING AREAS
WHERE SOIL LEAD CONCENTRATIONS
EXCEED 400 mg/Kg (ppm)**

Building/Unit #, Use	Soil Lead Concentration mg/KG (ppm)	Comment
129, Workshop	1810	within 3 ft of Bldg
893, Chapel	4158	within 3 ft of Bldg, interim controls
1740, Soldier's Chapel	1590	within 3 ft of Bldg
2242, Family Housing	2472	within 3 ft of Bldg
2293, WAC Chapel	532	12 - 20 ft from Bldg

Table I--EPA Recommendations for Response Activities for Residential Lead-Contaminated Bare Soil

Area of Concern	Bare Soil Lead Concentration (ppm)	Recommended Response Activities
<p>Areas expected to be used by children, including:</p> <ul style="list-style-type: none"> ▶ residential backyards, ▶ daycare and school yards, ▶ playgrounds, ▶ public parks, and ▶ other areas where children gather. 	<p>400 - 5000</p>	<p>Interim controls to change use patterns and establish barriers between children and contaminated soil, including:</p> <ul style="list-style-type: none"> ▶ planting ground cover or shrubbery to reduce exposure to bare soil, ▶ moving play equipment away from contaminated bare soil, ▶ restricting access through posting, fencing, or other actions, and ▶ control further contamination of area. <p>Monitor condition of interim controls. Public notice of contaminated common areas by local agency.</p>
	<p>> 5000</p>	<p>Abatement of soil, including:</p> <ul style="list-style-type: none"> ▶ removal and replacement of contaminated soil, and ▶ permanent barriers. <p>Public notice of contaminated common areas by local agency.</p>
<p>Areas where contact by children is less likely or infrequent</p>	<p>2000 - 5000</p>	<p>Interim controls to change use patterns and establish barriers between children and contaminated soil, including:</p> <ul style="list-style-type: none"> ▶ planting ground cover or shrubbery to reduce exposure to bare soil, ▶ moving play equipment away from contaminated bare soil, ▶ restricting access through posting, fencing, or other actions, and ▶ control further contamination of area. <p>Monitor condition of interim controls. Public notice of contaminated common areas by local agency.</p>
	<p>> 5000</p>	<p>Abatement of soil, including:</p> <ul style="list-style-type: none"> ▶ removal and replacement of contaminated soil, and ▶ permanent barriers. <p>Public notice of contaminated common areas by local agency.</p>



SOIL AND DUST SAMPLE DATA FOR
~~LEAD RISK ASSESSMENT~~
FORT McCLELLAN AND ANNISTON ARMY DEPOT
ALABAMA

1. Enclosed are the sample results and quality control data for soil and dust (wipe) samples taken for lead risk assessment at Ft. McClellan and Anniston Army Depot Alabama.

2. Soil and dust sampling was conducted in accordance with general procedures in the April 1, 1990 HUD Guidelines (revised September 28, 1990). A lead-based paint (LBP) survey using a SCITEC MAP 3, X-ray Fluorescence Spectrometer (XRF spectrum analyzer) was performed just prior to dust sampling. Therefore, dust samples were taken in areas where lead contaminated dust was more likely to exist.

3. The data is grouped according to the type of sample (soil or dust) and area sampled. Each building is treated as a separate area. Family housing is divided into areas similar in; type and time of construction, location and LBP survey results. For example, Units 25 - 30 on Baltzell Rd. were built in the mid 1950's and have similar floorplans and LBP survey results.

4. This report consists of:

- ✓ Table 1: Soil Sample Data for Ft. McClellan
- ✓ Table 2: Laboratory Quality Control Data for Ft. McClellan Soil Samples
- Table 3: Dust Sample Data for Ft. McClellan
- Table 4: Laboratory Quality Control Data for Ft. McClellan Dust Samples
- Table 5: Soil, Dust and Quality Control Data for Anniston Army Depot

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Table 1
FORT McCLELLAN SOIL SAMPLE DATA
Buildings and Family Housing Groups

Field ID	Sample Date	Sample Time	SAD Lab #	Result	Units	Location of Composite Sample
BUILDINGS						
Building 66 (Child Development Center)						
66.1	94/03/30	1617	19707	125.0	mg/Kg	0 - 3' From Building
66.2	94/03/30	1617	19708	127.0	mg/Kg	10' - 20' From Building
66.3	94/03/30	1620	19709	82.8	mg/Kg	Parking Lot
Building 67 (Silver Chapel)						
67.1	94/03/30	1600	19794	87.5	mg/Kg	0 - 3' From Building
67.2	94/03/30	1600	19795	37.8	mg/Kg	10' - 20' From Building
Building 128 (Family Fitness Center)						
128.1	94/03/30	1445	19721	77.3	mg/Kg	0 - 3' From Building
128.2	94/03/30	1450	19722	52.5	mg/Kg	10' - 20' From Building
Building 129 (Workshop)						
129.1	94/03/30	1452	19796	1810.0	mg/Kg	0 - 3' From Building
129.2	94/03/30	1455	19797	109.0	mg/Kg	10' - 20' From Building
Building 130 (Miller Gym)						
130.1	94/03/30	1455	19855	219.0	mg/Kg	0 - 3' From Building
130.2	94/03/30	1500	19856	113.0	mg/Kg	10' - 20' From Building
130.3	94/03/30	1505	19857	68.3	mg/Kg	Parking Lot
Building 292 (Noble Army Hospital)						
292.1	94/03/31	1005	19850	< 25.0	mg/Kg	0 - 3' From Building
292.2	94/03/31	1005	19851	46.9	mg/Kg	10' - 20' From Building
292.3	94/03/31	1005	19852	88.7	mg/Kg	Parking Lots - West Side
Building 893 (Chapel)						
893.1	94/03/31	945	19830	4158.0	mg/Kg	0 - 3' From Building
893.2	94/03/31	945	19831	215.0	mg/Kg	10' - 20' From Building
Building 992 (Recreation Center)						
992.1	94/03/31	945	19832	166.0	mg/Kg	0 - 3' From Building
992.2	94/03/31	945	19833	111.0	mg/Kg	10' - 20' From Building
Building 1740 (Soldier's Chapel)						
1740.1	94/03/31	950	19820	1590.0	mg/Kg	0 - 3' From Building
1740.2	94/03/31	950	19821	90.1	mg/Kg	10' - 20' From Building
Building 2101 (Post Theater)						
2101.1	94/03/30	1506	19792	142.0	mg/Kg	0 - 3' From Building
2101.2	94/03/30	1510	19793	30.2	mg/Kg	Playground - Near pond
Building 2102 (Library)						
2102.1	94/03/30	1515	19842	193.0	mg/Kg	Beneath Guide Wire Cover

Table 1 (continued)
 FORT McCLELLAN SOIL SAMPLE DATA
 Buildings and Family Housing Groups

Field ID	Sample Date	Sample Time	SAD Lab #	Result	Units	Location of Composite Sample
BUILDINGS (continued)						
Building 2213 (Child Development Center)						
2213.1	94/03/31	850	19843	168.0	mg/Kg	0 - 3' From Building
2213.2	94/03/31	850	19844	95.6	mg/Kg	10' - 20' From Building
2213.3	94/03/31	850	19845	55.5	mg/Kg	Parking Lot
2213.4	94/03/31	850	19846	31.7	mg/Kg	Playground
Building 2290 (Preventative Medicine)						
2290.1	94/03/31	800	19847	142.0	mg/Kg	0 - 3' From Building
2290.2	94/03/31	800	19848	41.4	mg/Kg	10' - 20' From Building
2290.3	94/03/31	800	19849	106.0	mg/Kg	Parking Lot
Building 2293 (WAC Chapel)						
2293.1	94/03/31	800	19853	260.0	mg/Kg	0 - 3' From Building
2293.2	94/03/31	800	19854	532.0	mg/Kg	10' - 20' From Building
Building 2299 (Chemical Museum)						
2299.1	94/03/31	835	19840	117.0	mg/Kg	0 - 3' From Building
2299.2	94/03/31	835	19841	58.1	mg/Kg	10' - 20' From Building
Building 3182 (MP Museum)						
3182.1	94/03/31	912	19785	76.0	mg/Kg	0 - 3' From Building
3182.2	94/03/31	912	19786	54.1	mg/Kg	10' - 20' From Building
Building 3213 (Army Community Service Center)						
3213.1	94/03/30	1530	19751	84.2	mg/Kg	0 - 3' From Building
3213.2	94/03/30	1535	19752	< 25.0	mg/Kg	10' - 20' From Building
Building 3293 (Chapel)						
3293.1	94/03/30	1540	19838	33.1	mg/Kg	0 - 3' From Building
3293.2	94/03/30	1540	19839	31.3	mg/Kg	10' - 20' From Building
Building 3527 (Scout Building)						
3527.1	94/03/30	1035	19723	190.0	mg/Kg	0 - 3' From Building
3527.2	94/03/30	1038	19724	57.3	mg/Kg	10' - 20' From Building
Building 3681 (Dependent School)						
3681.1	94/03/30	1120	19725	58.6	mg/Kg	0 - 3' From Building
3681.2	94/03/30	1120	19726	35.8	mg/Kg	10' - 20' From Building
3681.3	94/03/30	1120	19727	31.0	mg/Kg	Playground - Behind Main Building
3681.4	94/03/30	1120	19728	< 25.0	mg/Kg	Ballfield
3681.5	94/03/30	1120	19729	31.2	mg/Kg	Playground - Behind Trailers
3681.6	94/03/30	1120	19730	80.8	mg/Kg	Parking Lot

Table 1 (continued)
 FORT McCLELLAN SOIL SAMPLE DATA
 Buildings and Family Housing Groups

Field ID	Sample Date	Sample Time	SAD Lab #	Result	Units	Location of Composite Sample
FAMILY HOUSING GROUPS						
Buchner Circle (Units 9 and 13)						
9.1	94/03/31	900	19834	78.2	mg/Kg	0 - 3' From Building
9.2	94/03/31	900	19835	76.2	mg/Kg	10' - 20' From Building
13.1	94/03/31	900	19836	68.0	mg/Kg	0 - 3' From Building
13.2	94/03/31	900	19837	55.6	mg/Kg	10' - 20' From Building
Baltzell Rd. (Units 25 - 30)						
25.1	94/03/30	1615	19753	57.7	mg/Kg	0 - 3' From Building
25.2	94/03/30	1615	19754	75.0	mg/Kg	10' - 20' From Building
27.1	94/03/30	1620	19755	106.0	mg/Kg	0 - 3' From Building
27.2	94/03/30	1620	19756	78.8	mg/Kg	10' - 20' From Building
28.1	94/03/30	1625	19757	47.0	mg/Kg	0 - 3' From Building
28.2	94/03/30	1625	19758	151.0	mg/Kg	10' - 20' From Building
29.1	94/03/30	1630	19759	57.5	mg/Kg	0 - 3' From Building
29.2	94/03/30	1630	19760	< 25.0	mg/Kg	10' - 20' From Building
30.1	94/03/30	1635	19761	37.2	mg/Kg	0 - 3' From Building
30.2	94/03/30	1635	19762	31.1	mg/Kg	10' - 20' From Building
Drennen (Units 81 - 107)						
81.1	94/03/30	1550	19798	156.0	mg/Kg	0 - 3' From Building
81.2	94/03/30	1555	19799	52.9	mg/Kg	10' - 20' From Building
89.1	94/03/30	1611	19804	94.7	mg/Kg	0 - 3' From Building
89.2	94/03/30	1612	19805	86.6	mg/Kg	10' - 20' From Building
102.1	94/03/30	1604	19800	44.0	mg/Kg	0 - 3' From Building
102.2	94/03/30	1607	19801	32.3	mg/Kg	10' - 20' From Building
104.1	94/03/30	1608	19802	40.1	mg/Kg	0 - 3' From Building
104.2	94/03/30	1610	19803	28.5	mg/Kg	10' - 20' From Building
107.1	94/03/30	1614	19806	73.9	mg/Kg	0 - 3' From Building
107.2	94/03/30	1615	19807	62.3	mg/Kg	10' - 20' From Building
WAC Circle (Units 2235 - 2240)						
2235.1	94/03/31	820	19824	182.0	mg/Kg	0 - 3' From Building
2235.2	94/03/31	820	19825	65.9	mg/Kg	10' - 20' From Building
2236.1	94/03/31	820	19826	468.0	mg/Kg	0 - 3' From Building
2236.2	94/03/31	820	19827	66.1	mg/Kg	10' - 20' From Building
Unit 2242						
2242.1	94/03/31	822	19828	2472.0	mg/Kg	0 - 3' From Building
2242.2	94/03/31	822	19829	87.1	mg/Kg	10' - 20' From Building

Table 1 (continued)
FORT McCLELLAN SOIL SAMPLE DATA
Buildings and Family Housing Groups

Field ID	Sample Date	Sample Time	SAD Lab #	Result	Units	Location of Composite Sample
FAMILY HOUSING GROUPS (continued)						
Unit 2271						
2271.1	94/03/31	830	19822	197.0	mg/Kg	0 - 3' From Building
2271.2	94/03/31	830	19823	39.9	mg/Kg	10' - 20' From Building
Avery (Units 3310 - 3343)						
33.1	94/03/30	1225	19710	39.4	mg/Kg	Playground - Near # 3335
3314.1	94/03/30	1215	19719	45.1	mg/Kg	0 - 3' From Building
3314.2	94/03/30	1220	19720	69.9	mg/Kg	10' - 20' From Building
3327.1	94/03/30	1206	19717	75.6	mg/Kg	0 - 3' From Building
3327.2	94/03/30	1208	19718	49.1	mg/Kg	10' - 20' From Building
3328.1	94/03/30	1200	19715	270.0	mg/Kg	0 - 3' From Building
3328.2	94/03/30	1205	19716	65.9	mg/Kg	10' - 20' From Building
3338.1	94/03/30	1150	19713	357.0	mg/Kg	0 - 3' From Building
3338.2	94/03/30	1155	19714	< 25.0	mg/Kg	10' - 20' From Building
3341.1	94/03/30	1140	19711	97.3	mg/Kg	0 - 3' From Building
3341.2	94/03/30	1145	19712	< 25.0	mg/Kg	10' - 20' From Building
Littlebrant (Units 3400 - 3411)						
3401.1	94/03/30	1140	19731	< 25.0	mg/Kg	0 - 3' From Building
3401.2	94/03/30	1140	19732	32.5	mg/Kg	10' - 20' From Building
3402.1	94/03/30	1155	19733	54.5	mg/Kg	0 - 3' From Building
3402.2	94/03/30	1155	19734	42.2	mg/Kg	10' - 20' From Building
3403.1	94/03/30	1145	19735	113.2	mg/Kg	0 - 3' From Building
3403.2	94/03/30	1145	19736	< 25.0	mg/Kg	10' - 20' From Building
3407.1	94/03/30	1200	19737	25.8	mg/Kg	0 - 3' From Building
3407.2	94/03/30	1200	19738	< 25.0	mg/Kg	10' - 20' From Building
3409.1	94/03/30	1205	19739	205.0	mg/Kg	0 - 3' From Building
3409.2	94/03/30	1205	19740	37.9	mg/Kg	10' - 20' From Building
Morton/Church/Baker (Units 3500 - 3542)						
35.1	94/03/30	955	19901	113.8	mg/Kg	Parking Lot/Roadway In front of # 3540
35.2	94/03/30	1010	19904	< 25.0	mg/Kg	Large Playground
35.3	94/03/30	1020	19905	83.3	mg/Kg	Roadway - Near playground
3503.1	94/03/30	1050	19910	246.0	mg/Kg	0 - 3' From Building
3503.2	94/03/30	1055	19911	36.9	mg/Kg	10' - 20' From Building
3519.1	94/03/30	1025	19906	153.0	mg/Kg	0 - 3' From Building
3519.2	94/03/30	1030	19907	< 25.0	mg/Kg	10' - 20' From Building
3530.1	94/03/30	1040	19908	119.0	mg/Kg	0 - 3' From Building
3530.2	94/03/30	1045	19909	47.9	mg/Kg	10' - 20' From Building

Table 1 (continued)
 FORT McCLELLAN SOIL SAMPLE DATA
 Buildings and Family Housing Groups

Field ID	Sample Date	Sample Time	SAD Lab #	Result	Units	Location of Composite Sample
FAMILY HOUSING GROUPS (continued)						
Morton/Church/Baker (Units 3500 - 3542) (continued)						
3533.1	94/03/30	1000	19902	254.0	mg/Kg	0 - 3' From Building
3533.2	94/03/30	1005	19903	41.5	mg/Kg	10' - 20' From Building
3540.1	94/03/30	945	19899	65.9	mg/Kg	0 - 3' From Building
3540.2	94/03/30	950	19900	76.2	mg/Kg	10' - 20' From Building
Wirans/Church/Morton (Units 3610 - 3673)						
3615.1	94/03/30	945	19741	64.3	mg/Kg	0 - 3' From Building
3615.2	94/03/30	945	19742	55.2	mg/Kg	10' - 20' From Building
3626.1	94/03/30	1000	19743	52.0	mg/Kg	0 - 3' From Building
3626.2	94/03/30	1000	19744	37.4	mg/Kg	10' - 20' From Building
3629.1	94/03/30	1005	19745	98.6	mg/Kg	0 - 3' From Building
3629.2	94/03/30	1005	19746	50.3	mg/Kg	10' - 20' From Building
3635.1	94/03/30	1020	19747	77.5	mg/Kg	0 - 3' From Building
3635.2	94/03/30	1020	19748	36.1	mg/Kg	10' - 20' From Building
3671.1	94/03/30	1030	19749	57.1	mg/Kg	0 - 3' From Building
3671.2	94/03/30	1030	19750	73.4	mg/Kg	10' - 20' From Building
Summerall (Units 3700- 3718)						
37A.1	94/03/30	1445	19808	58.6	mg/Kg	Playground - Near # 3712
37A.2	94/03/30	1445	19809	88.4	mg/Kg	Parking Lot - Near # 3708
3700.1	94/03/30	1520	19818	106.0	mg/Kg	0 - 3' From Building
3700.2	94/03/30	1520	19819	93.7	mg/Kg	10' - 20' From Building
3704.1	94/03/30	1510	19816	230.0	mg/Kg	0 - 3' From Building
3704.2	94/03/30	1510	19817	45.9	mg/Kg	10' - 20' From Building
3708.1	94/03/30	1505	19814	63.3	mg/Kg	0 - 3' From Building
3708.2	94/03/30	1505	19815	40.5	mg/Kg	10' - 20' From Building
3714.1	94/03/30	1500	19812	119.0	mg/Kg	0 - 3' From Building
3714.2	94/03/30	1500	19813	50.2	mg/Kg	10' - 20' From Building
3718.1	94/03/30	1450	19810	195.0	mg/Kg	0 - 3' From Building
3718.2	94/03/30	1450	19811	61.9	mg/Kg	10' - 20' From Building
Sharp/Summerall (Units 3719 - 3732)						
378.1	94/03/30	1352	19767	152.0	mg/Kg	Playground - Behind # 3729
3720.1	94/03/30	1400	19768	182.0	mg/Kg	0 - 3' From Building
3720.2	94/03/30	1405	19769	< 25.0	mg/Kg	10' - 20' From Building
3722.1	94/03/30	1410	19770	71.2	mg/Kg	0 - 3' From Building
3722.2	94/03/30	1415	19771	< 25.0	mg/Kg	10' - 20' From Building
3725.1	94/03/30	1415	19772	83.2	mg/Kg	0 - 3' From Building
3725.2	94/03/30	1420	19773	65.8	mg/Kg	10' - 20' From Building

Table 1 (continued)
 FORT McCLELLAN SOIL SAMPLE DATA
 Buildings and Family Housing Groups

Field ID	Sample Date	Sample Time	SAD Lab #	Result	Units	Location of Composite Sample
FAMILY HOUSING GROUPS (continued)						
Sharp/Summerall (Units 3719 - 3732) (continued)						
3729.1	94/03/30	1348	19765	188.0	mg/Kg	0 - 3' From Building
3729.2	94/03/30	1350	19766	47.4	mg/Kg	10' - 20' From Building
3732.1	94/03/30	1337	19763	206.0	mg/Kg	0 - 3' From Building
3732.2	94/03/30	1340	19764	29.5	mg/Kg	10' - 20' From Building
Cooper/Turner/Bray/Littlebrant (Units 3737 - 3770)						
37C.1	94/03/30	1400	19778	< 25.0	mg/Kg	Playground - Behind # 3767
3737.1	94/03/30	1415	19783	128.0	mg/Kg	0 - 3' From Building
3737.2	94/03/30	1415	19784	102.0	mg/Kg	10' - 20' From Building
3744.1	94/03/30	1410	19781	39.8	mg/Kg	0 - 3' From Building
3744.2	94/03/30	1410	19782	104.0	mg/Kg	10' - 20' From Building
3745.1	94/03/30	1405	19779	56.1	mg/Kg	0 - 3' From Building
3745.2	94/03/30	1405	19780	74.7	mg/Kg	10' - 20' From Building
3768.1	94/03/30	1345	19774	66.7	mg/Kg	0 - 3' From Building
3768.2	94/03/30	1345	19775	41.4	mg/Kg	10' - 20' From Building
3769.1	94/03/30	1355	19776	114.0	mg/Kg	0 - 3' From Building
3769.2	94/03/30	1355	19777	< 25.0	mg/Kg	10' - 20' From Building

Table 2
QUALITY CONTROL DATA FOR
FORT McCLELLAN SOIL SAMPLES
Buildings and Family Housing Groups

Field ID	SAD Lab #	Result	Duplicate Result	Units	Spike Percent Recovery
3341.2	19712	< 25.0	32.0	mg/Kg	172.0 %
128.2	19722	52.5	42.9	mg/Kg	103.5 %
3401.2	19732	32.5	47.2	mg/kg	109.0 %
3615.2	19742	55.2	60.7	mg/Kg	109.0 %
3213.2	19752	< 25.0	< 25.0	mg/Kg	112.0 %
30.2	19762	31.1	< 25.0	mg/Kg	104.5 %
3725.1	19772	83.2	60.2	mg/Kg	92.0 %
3744.2	19782	104	188	mg/Kg	92.0 %
129.2	19797	109	56.0	mg/Kg	96.5 %
107.2	19807	94.7	86.6	mg/Kg	103.5 %
3704.2	19817	45.9	38.7	mg/Kg	93.5 %
2236.2	19827	66.1	71.7	mg/Kg	101.5 %
13.2	19837	55.6	90.4	mg/Kg	98.5 %
2290.1	19847	142	139	mg/Kg	94.5 %
130.3	19857	68.3	77.2	mg/Kg	101.5 %
3530.2	19908	119	95.9	mg/Kg	100.0 %

Standard Reference Material Manufacturer	Lot Number	Certified True Value (ug/L)	Run Number	Observed Value (ug/L)	Percent Recovery
Environmental Resource Associates	9947	500	1	500	100.0 %
"	"	"	2	555	111.0 %
"	"	"	3	592	118.5 %
"	"	"	4	482	96.5 %
"	"	"	5	488	97.5 %
"	"	"	6	478	95.5 %
"	"	"	7	570	114.0 %
"	"	"	8	480	96.0 %
"	"	"	9	512	102.5 %
"	"	"	10	572	114.5 %
"	"	"	11	510	102.0 %
"	"	"	12	538	107.5 %
"	"	"	13	545	109.0 %
"	"	"	14	500	100.0 %
"	"	"	15	595	119.0 %
"	"	"	16	550	110.0 %
"	"	"	17	530	106.0 %
"	"	"	18	500	100.0 %
"	"	"	19	500	100.0 %

Blank	Run Number	Result	Units
	1	< 500	ug/L
	2	< 500	ug/L
	3	< 500	ug/L
	4	< 500	ug/L
	5	< 500	ug/L
	6	< 500	ug/L
	7	< 500	ug/L
	8	< 500	ug/L
	9	< 500	ug/L
	10	< 500	ug/L
	11	< 500	ug/L
	12	< 500	ug/L
	13	< 500	ug/L
	14	< 500	ug/L
	15	< 500	ug/L
	16	< 500	ug/L
	17	< 500	ug/L
	18	< 500	ug/L
	19	< 500	ug/L
	20	< 500	ug/L
	21	< 500	ug/L
	22	< 500	ug/L

APPENDIX E

Appendix E

TABLE SUMMARY OF LEAD-BASED PAINT HAZARDS

Building No.	Interior Paint Cond.	Exterior Paint Cond.	LBP Present	LBP Fair Cond.	LBP Poor Cond.	LBP on Friction Surfaces	LBP on Impact Surfaces	LBP on Surface Accessible to mouthing by Children	Lead Dust Exceed Std	Soil Lead Exceed 400 ppm
66 Child Dev. Center	Good Fair Poor	Fair	I-Yes E-ND	I-Yes	I-Yes		Door Jamb, Stall?		NT	NONE
67 Silver Chapel	Good Fair Poor	Good Fair Poor	I-Yes E-Yes	I-Yes	I-Yes		Door & Jamb		Stairwell Floor	NONE
128 Family Fitness Center	Good	Good Fair	I-ND E-Yes	E-Yes			Door & comps.		NT	NONE
129 Workshop	Good Fair Poor	Good Fair Poor	I-Yes E-Yes	I-Yes E-Yes	I-Yes E-Yes		Doors & comp.		NT	0 - 3 ft of Bldg
130 Miller Gym	Good	Good	I-ND E-Yes						NT	NONE
292 Hospital	Good	Good	I-ND E-Not Tested						NT	NONE
893 Chapel	No Obser- vation	Poor	I-Not tested E-Yes	E-Yes	E-Yes	E- Window Sash	Door		NT	0 - 3 ft of Bldg
992 Rec. Center	No Obser- vation	Good Fair Poor	I-Not tested E-Yes	E-Yes	E-Yes				NT	NONE

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TABLE SUMMARY OF LEAD-BASED PAINT HAZARDS

Building No.	Interior Paint Cond.	Exterior Paint Cond.	LBP Present	LBP Fair Cond.	LBP Poor Cond.	LBP on Friction Surfaces	LBP on Impact Surfaces	LBP on Surface Accessible to mouthing by Children	Lead Dust Exceed Std	Soil Lead Exceed 400 ppm
1012 Truman Gym	Good Fair Poor	Good	I-Yes E-ND	I-Yes			Orange Metal Doors		NT	NT
1077 WAC Museum	Good	Good	I-ND E-ND						NT	NT
1740 Soldier's Chapel	Good Fair Poor	Good Fair Poor	I-Yes E-Yes	I-Yes	I-Yes E-Yes	Window Sash	Door & Comp.		NONE	10 - 20 ft of Bldg, if children freq.
1928 Bowling Alley	Good to Poor	Fair to Good	I-ND E-ND						NT	NT
1929 Dental Clinic	Good Fair Poor	Fair Poor	I-ND E-ND						NT	NT
2101 Post Theater	Good	Poor to Fair	I-ND E-Yes	E-Yes	E-Yes		Door & comp.		NT	NONE
2102 Library	Good	Good Poor	I-ND E-Yes		E-Yes				NT	NONE
2213 Child Dev. Center	Good to Fair, minor Poor	Good Fair Poor	I-Yes E-Yes	E-Yes	E-Yes		Door & Comp.		NT	NONE

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TABLE SUMMARY OF LEAD-BASED PAINT HAZARDS

Building No.	Interior Paint Cond.	Exterior Paint Cond.	LBP Present	LBP Fair Cond.	LBP Poor Cond.	LBP on Friction Surfaces	LBP on Impact Surfaces	LBP on Surface Accessible to mouthing by Children	Lead Dust Exceed Std	Soil Lead Exceed 400 ppm
2242 Family Housing	Good Fair Poor	Good Fair Poor	I-Yes E-Yes	E-Yes	I-Yes E-Yes	Window Sash, etc	Doors		NT	0 - 3 ft of Bldg
2271 Family Housing	Good Fair Poor	Good Fair Poor	I-Yes E-Yes	E-Yes	I-Yes E-Yes		Door & Comp.	Window Sill	NT	NONE
2290 Preventive Medicine	Good Fair Poor	Good Fair Poor	I-Yes E-Yes	E-Yes	E-Yes		Screen Doors, Door & Frame		NT	NONE
2293 WAC Chapel	Good to Fair	Good Fair Poor	I-ND E-Yes	E-Yes	E-Yes	E-Window Sash	Door & Jamb		NT	10 - 20 ft of Bldg, if children frequent
2299 Chemical Corps Museum	Good Fair Poor	Good Fair Poor	I-Yes E-Yes	I-Yes E-Yes	I-Yes E-Yes		Roll-up door		Entry Floor Area	NONE
3182 MP Museum	Good Fair	Good Fair	I-Yes E-Yes	I-Yes E-Yes		Window Sash	Door & Jamb		NT	NONE
3213 Army Comm. Svc Cntr	Good to Fair	Good Fair Poor	I-Yes E-Yes	E-Yes	E-Yes	E-Window Sash	E-Door		NONE	NONE

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TABLE SUMMARY OF LEAD-BASED PAINT HAZARDS

Building No.	Interior Paint Cond.	Exterior Paint Cond.	LBP Present	LBP Fair Cond.	LBP Poor Cond.	LBP on Friction Surfaces	LBP on Impact Surfaces	LBP on Surface Accessible to mouthing by Children	Lead Dust Exceed Std	Soil Lead Exceed 400 ppm
3293 Chapel	Good to Fair	Good Fair Poor	I-Yes E-Yes	E-Yes	E-Yes		E-Door & Comp.		NONE	NONE
3527 Scout Building	Good Fair Poor	Fair Poor	I-Yes E-Yes	I-Yes	E-Yes		E-Door & Jamb		NONE	NONE
3681 Elem. School	Good Fair Poor	Good	I-Yes E-Yes				Door Jamb, rear & side entry		NONE	NONE
Buchner Family Housing, 9, 13	Good	Good Fair Poor	I-Yes E-Yes	I-Yes E-Yes 1/2 units	E-Yes 1/2 units		Door & Comp	Book-Shelves? Window Sill	NT	NONE
Baltzell Family Housing	Good Fair Poor	Good Fair Poor	I-Yes E-Yes	E-Yes 3/5 units			Doors & comp	Window Sill Sheif? Height?	NONE	NONE
Drennen Family Housing	Good Fair Poor	Good Fair Poor	I-Yes E-Yes	I-Yes 3/10 E-Yes 3/10 units	I-Yes 2/10 E-Yes 1/10 units		Door & Comp	Chair Molding? Window Sills	NONE	NONE

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TABLE SUMMARY OF LEAD-BASED PAINT HAZARDS

Building No.	Interior Paint Cond.	Exterior Paint Cond.	LBP Present	LBP Fair Cond.	LBP Poor Cond.	LBP on Friction Surfaces	LBP on Impact Surfaces	LBP on Surface Accessible to mouthing by Children	Lead Dust Exceed Std	Spill Lead Exceed 400 ppm
WAC Circle Housing	Good	Good Fair Poor	I-Yes E-Yes	E-Yes 1/2 units	E-Yes 1/2 units		Door & Comp		NONE	NONE
Avery Family Housing, Group 1, 3310-3331	overall good, some fair, little poor	overall good, some fair, little poor	I-Yes E-Yes	I-Yes 1/16 units E-Yes 3/16 units	E-Yes 3/16 units	Window Sash	E-Door Casing		1 FL 1 WW 1WS Unit 3319 1 unit tested	NONE
Avery Family Housing, Group 2, 3334-3343	Good	Good	I-Yes E-Yes				Door Comp, only in 3340A	Shelves? Height? Curtain Molding?	NT	NONE
Littlebrant Family Housing, 3400-3411	Good	Good Fair Poor	I-Yes E-Yes	E-Yes 1/5 units	E-Yes 2/5 units			Shelves? Height?	NT	NONE
Morton, Church, & Baker Rd Family Housing, 3500-3540	Good to fair	Good Fair Poor	I-Yes E-Yes	E-Yes 8/31 units	E-Yes 11/31 units				1 FL Unit 3530C 8 units tested	NONE

Appendix E

TABLE SUMMARY OF LEAD-BASED PAINT HAZARDS

Building No.	Interior Paint Cond.	Exterior Paint Cond.	LBP Present	LBP Fair Cond.	LBP Poor Cond.	LBP on Friction Surfaces	LBP on Impact Surfaces	LBP on Surface Accessible to mouthing by Children	Lead Dust Exceed Std	Soil Lead Exceed 400 ppm
Wirans, Church, and Morton Rds Family Housing, 3610-3673	Good Fair	Good Fair Poor	I-Yes E-Yes	I-Yes 11/32 units E-Yes 20/32 units	I-Yes 2/32 units E-Yes 16/32	Window Sash	E-Door Comp.	Shelf? Height?	10 WW in 6 units 8 units tested	NONE
Summerall Family Housing, Group A, 3700-3718	Good	Good Fair Poor	I-Yes E-Yes	E-Yes 3/18 units	E-Yes 1/18 units		Door & Comp	Window Sill Shelf? Height?	1 FL Unit 3708C 6 units tested	NONE
Summerall /Sharp Family Housing, Group B, 3719-3732	Good Fair Poor	Good Fair Poor	I-Yes E-Yes	E-Yes 12/21 units	E-Yes 2/21 units		Door & Comp.	Shelf? Height?	1 FL Unit 3731H 3 units tested	NONE
Cooper, Bray, & Littlebrant Family Housing, Group C, 3737-3770	Good	Good Fair Poor	I-Yes E-Yes	E-Yes 2/20 units	E-Yes 2/20 units	Window Sash		Shelf? Height?	1WW Unit 3737B 4 units tested	NONE

ND - None Detected; NT - Not Tested; I - Interior; E - Exterior; WW - Window Well; Comp. - Component/s; WS - Window Sill; FL - Floor