Former National Guard Armory
Idabel, Oklahoma

Remediation Final Report

Prepared by:
Department of Environmental Quality
707 North Robinson
Oklahoma City, Oklahoma 73101

The Oklahoma Department of Environmental Quality (DEQ) is pleased to present the City of Idabel with the Final Remediation Report for the former Idabel Armory.

DEED NOTICE

A Notice of Remediation has been filed in the county courthouse and is included in this report. It summarizes remediation performed at the former Idabel Armory and describes continuing operation and maintenance and land use restrictions. This completes the DEQ cleanup of the property. For more detail on the activities described below, see enclosed reports.

ASBESTOS REMEDIATION

DEQ and its contractors completed the following activities:

- Asbestos inspection:
  - No asbestos was present

TARGETED BROWNFIELD ASSESSMENT

In January 2012, DEQ provided a Phase I Targeted Brownfield Assessment to the City of Idabel. A copy of this report is available at http://www.deq.state.ok.us/lpdnew/scapIndex.htm.

LEAD REMEDIATION

DEQ and its contractors completed the following activities:

- Lead-based paint (LBP) inspection
- Lead dust wipe sampling
- Indoor firing range cleanup, including:
  - Lead dust cleanup: high efficiency particulate air (HEPA) vacuuming, wet washing, and sealing with appropriate sealant floors, walls, and ceiling
- HEPA vacuuming and wet washing of floors in the building
- Proper disposal of associated waste

Additional copies of this report can be found at http://www.deq.state.ok.us/lpdnew/scapIndex.htm and DEQ Central Records at 707 N Robinson Oklahoma City, Oklahoma 73101.

This publication is issued by the Oklahoma Department of Environmental Quality authorized by Steven A. Thompson, Executive Director. Copies have been prepared at a cost of $0.053 each. Copies have been deposited with the Publications Clearinghouse of the Oklahoma Department of Libraries. 1/2012 cmullins\LPD\Armories_SCAP\ArmoryReports\Idabel1_2012.

1. Deeds and Legal Documents
2. Maintenance Plan
3. Inspection Reports
4. Scope of Work
5. Final Abatement Reports
6. Confirmation Sampling

DEEDS AND LEGAL DOCUMENTS

I-2001-513319 Book 0838 Pg: 45
01/07/2011 12:32 pm Pg 0045-0046
Fee: $ 15.00 Doc: $ 0.00
Karen Conway - McCurtain County Clerk
State of Oklahoma

QUITCLAIM DEED

KNOW ALL MEN BY THESE PRESENTS:

That the State of Oklahoma, acting by and through the Oklahoma Military Department by its Adjutant General, Major General Myles L. Deering, a body corporate and politic and instrumentality of the State of Oklahoma, Grantor, in consideration of the sum of One and No/100 dollars and other valuable consideration in hand paid, the receipt and sufficiency of which are hereby acknowledged, do hereby quitclaim, grant, bargain, sell and convey unto **City of Idabel, Oklahoma,** Grantee, the following described real property and premises lying and situated in the McCurtain County, State of Oklahoma, as follows:

Begin 1664.68 feet East and 1285 feet South of the NW corner of NE1/4 Section 36, Township 7 South, Range 23 East of IBM; thence South 695.0 feet; thence West 505.69 feet; thence North 730.0 feet; thence South 85° East 506.9 feet to the point of beginning, containing 8.27 acres, more or less.

together with the improvements thereon and appurtenances thereunto belonging.

NOTICE: THE ABOVE DESCRIBED PROPERTY MAY HAVE BEEN CONTAMINATED WITH LEAD, ASBESTOS AND OTHER CONTAMINANTS.

TO HAVE AND TO HOLD unto the Grantee, its successors, and assigns for so long as said real property is used for a public purpose as required for this transfer in accordance with title 44, section 233.3(B) of the Oklahoma Statutes.

Signed and delivered this 4 day of January 2011.

838 Page 45
State of Oklahoma CERTIFIED COPY
County of McCurtain)SS
This instrument was filed for record

JAN 07 2011

at 12:35 o'clock P M. and duly certified on above date and hour
KAREN S. CONAWAY, County Clerk
By: Kathy LaDale

STATE OF OKLAHOMA

By: _____
Major General Myles L. Deering,
Adjutant General of the State of Oklahoma

45

This Transaction is Exempt from Documentary Tax Stamps. Title 68 O.S. § 3202(11)

I-2001-513319 Book 0838 Pg 46
01/07/2011 12:32 pm Pg 0045-0046
Fee: $ 15.00 Doc: $ 0.00
Karen Conaway - McCurtain County Clerk
State of Oklahoma

ACKNOWLEDGMENT

STATE OF OKLAHOMA)
) ss
COUNTY OF OKLAHOMA)

Before me, Jennifer Meyer in and for this state, on this 4 day of January, 2011, personally appeared Major General Myles L. Deering, as Adjutant General of the State of Oklahoma, to me known to be the identical person who executed the within and foregoing Quitclaim Deed, and acknowledged to me that he executed the same as free and voluntary act and deed for the uses and purposes therein set forth.

Jennifer Meyer
Notary Public

JENNIFER MEYER NOTARY PUBLIC STATE OF OKLAHOMA

My Commission Expires:
12-23-12

My Commission Number:
04001605

46

This Transaction is Exempt from Documentary Tax Stamps. Title 68 O.S. § 3202(11).

I-2001-520363 Book 0857 Pg: 517
02/16/2012 10:10 am Pg 0517-0520
Fee: $ 19.00 Doc: $ 0.00
Karen Conaway - McCurtain County Clerk
State of Oklahoma

NOTICE OF REMEDIATION AND EASEMENT
FORMER IDABEL ARMORY
IDABEL, OKLAHOMA

LEGAL BASIS FOR NOTICE: The Oklahoma Department of Environmental Quality (DEQ) hereby files this Notice of Remediation pursuant to Oklahoma Statutes, 27A § 2-7-123 (C). This Notice does not grant any right to any person not already allowed by law and shall not be construed to authorize or encourage any person or other legal entity to cause or increase pollution, to avoid compliance with state or federal laws and regulations regarding pollution or to escape responsibility for maintaining environmentally sound operations.

The DEQ may take administrative or civil action to recover costs or to compel compliance with the Land Use Restrictions and to prevent damage to or interference with the Engineering Controls and Continuing Operation, Maintenance of said Engineering Controls herein described.

The Land Use Restrictions, Engineering Controls and Continuing Operation, Maintenance of said Engineering Controls shall apply to the Affected Property and to persons who own and/or use the Affected Property until such time as the DEQ files a subsequent Notice of Remediation that changes or removes one or more of them. Activities that cause or could cause damage to the Remedy or the Engineering Controls or recontamination of soil or groundwater are prohibited.

The owner of the Affected Property has the legal authority to create, and does hereby voluntarily create, an easement granted to the DEQ and its employees and agents, for ingress and egress through, across and onto the parking and other outside areas of the Affected Property as they exist from time to time to assure the ongoing protection of the Remedy, Engineering Controls and Land Use Restrictions. This easement touches and concerns the land and runs with the land, is legally binding on all current and future owners and tenants of the Affected Property, and shall only be removed or modified if and when the DEQ modifies or removes the Land Use Restrictions, Engineering Controls and Continuing Operation, Maintenance of said Engineering Controls.

REASON FOR NOTICE: The below described Affected Property was contaminated with materials that required remediation pursuant to State and Federal environmental laws and regulations. Sampling performed by DEQ contractors, conducted on March 5, 2011, indicated that there was asbestos, lead-based paint, and lead dust in the building.

AFFECTED PROPERTY: The Affected Property is the former Idabel Armory located at 2001 Industrial Parkway, Idabel, McCurtain County, Oklahoma.

The legal description is as follows:

In McCurtain County, Oklahoma, begin 1664.68 feet East and 1285 feet South of NW corner of NE1/4 Section 36, Township 7 South, Range 23 East of IBM; thence South 695.0 feet; thence West 505.69 feet; thence North 730.0 feet ; thence South 85° East 506.9 feet to the point of beginning, containing 8.27 acres, more or less.

REMEDY: Remediation activities (Remedy) at the Affected Property included:

Wesley Squyres
PO Box 1677
OKC OK 73101

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Karen Conaway - McCurtain County Clerk
State of Oklahoma

The remedy included abatement of asbestos, lead-based paint and dust. The remedy was completed on December 7, 2011.

For more detailed information please refer to *Former National Guard Armory Idabel, Oklahoma Remediation Final Report.* To obtain a copy of the report, contact:

Oklahoma Department of Environmental Quality
Central Records

Mailing Address
P.O. Box 1677
Oklahoma City, Oklahoma 73101

Physical Address
707 N Robinson
Oklahoma City, OK 73102

Electronic Address
http://www.deq.state.ok.us/lpdnew/scapIndex.htm

DISCLAIMER

(A) Lead: DEQ did not test every painted surface inside and outside of the building, therefore there is a potential for lead-based paint at the affected property.

(B) Asbestos: DEQ did not test all building materials inside and outside of the building, therefore there is a potential for asbestos at the affected property.

CONTINUING OPERATION, MAINTENANCE AND MONITORING

(A) Lead-based paint encapsulant: Lead-based paint encapsulant was applied over lead-based paint on non-friction surfaces. These areas should be periodically inspected and maintained as appropriate.

(B) Sealant: Following cleanup, sealant was applied to the IFR and room floors where lead-based paint abatement was performed. Sealant should be inspected on a periodic basis and maintained as appropriate.

LAND USE RESTRICTIONS: The land use restrictions at the above-described Affected Property are:

a. No residential use of the property by children age 6 or under. Residential use is defined as having a child present at the Affected Property for more than sixteen (16) hours within one twenty four (24) hour period.

b. The IFR should not be used as a child occupied facility. Child-occupied facilities include, but are not limited to, day-care centers, preschools, and kindergarten classrooms where a child 6 or under spends at least 6 hours per week.

These land use restrictions apply to the entirety of the Affected Property described herein above.

CHANGING LAND USE RESTRICTIONS: Changes to land use restrictions must be approved by the DEQ or its successor agency. The person requesting the change in land use

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02/16/2012 10:10 am Pg 0517-0520
Fee: $ 19.00 Doc: $ 0.00
Karen Conaway - McCurtain County Clerk
State of Oklahoma

must demonstrate to the DEQ's satisfaction that contamination at the site has reached levels appropriate for the proposed new land uses and that further remediation is not necessary or that additional institutional or engineering controls are adequate to achieve levels protective of human health and the environment for the proposed uses.

The DEQ may require oversight costs, work plans, sampling, reports, and public participation as part of its review of the new information to support the requested change in land use restrictions. The person requesting the change will be required to follow agency procedures effective at the time of the request.

The DEQ at its discretion may determine, based on the new information submitted, that contaminants are present at the Site at levels that will not pose a risk to human health or the environment if the new land use restrictions being requested are allowed. Upon making this determination, the DEQ will file a recordable notice of remediation pursuant to state law in the land records in the in the office of the county clerk where the Site is located designating the new land use restrictions.

This Notice of Remediation and the restrictions and requirements contained herein run with the land and no change of ownership of the Affected Property will change the Land Use Restrictions.

Steven A. Thompson

Steven A. Thompson, Executive Director
Oklahoma Department of Environmental Quality

2-13-12
Date

ACKNOWLEDGMENT

STATE OF OKLAHOMA
COUNTY OF OKLAHOMA

Before me, a Notary Public, in and for said County and State, on this 13 day of February, 2012, personally appeared Steven A. Thompson to me known to be the identical person who executed the within and foregoing instrument and acknowledged to me that executed the same as free and voluntary act and deed for the uses and purposed therein set forth.

In Testimony Whereof, I have hereunto set my hand and official seal the day and year above written.

My Commission expires:

2/17, 2013

Linda Yakber
Notary Public

LINDA YAKBER NOTARY #08001329 EXP. 02/17/13 PUBLIC STATE OF OKLAHOMA

519

I-2001-520363 Book 0857 Pg: 520
02/16/2012 10:10 am Pg 0517-0520
Fee: $ 19.00 Doc: $ 0.00
Karen Conaway - McCurtain County Clerk
State of Oklahoma

IDABEL ARMORY EASEMENT

I hereby certify that I have the legal right to, and do hereby, create an easement and encumber the real property as described in the foregoing Notice of Remediation. I hereby voluntarily grant an easement to the DEQ and its employees and agents, for ingress and egress through, across and onto the Affected Property to assure the ongoing placement, operation and protection of the remedy, engineering controls and land use restrictions described herein above.

City of Idabel Tina Tasker-Thomas Mayor — 1-30-12
Landowner — Date

ACKNOWLEDGMENT

STATE OF OKLAHOMA
COUNTY OF MCCURTAIN

Before me, a Notary Public, in and for said County and State, on this 30th day of January, 2012, personally appeared Tina Tasker - Thomas to me known to be the identical person who executed the within and foregoing instrument and acknowledged to me that executed the same as free and voluntary act and deed for the uses and purposed therein set forth.

In Testimony Whereof, I have hereunto set my hand and official seal the day and year above written.

My Commission expires:

9-23, 2014.

Sharon Martin
Notary Public

9/23/14

COUNTY CLERK McCURTAIN CO., OKLAHOMA

Book of 857 Page 517
State of Oklahoma CERTIFIED COPY
County of McCurtain(—)SS
This instrument was filed for record

FEB 16 2012

at 10:12 o'clock A M. And duly certified on above date and hour
KAREN S. CONAWAY, County Clerk
by Kathy Whala Deputy

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MEMORANDUM OF AGREEMENT
BETWEEN
THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY AND
CITY OF IDABEL

1. PURPOSE: The purpose of this Memorandum of Agreement (MOA) is to establish a mutual framework governing the respective organizational relationships, responsibilities, and activities between the Oklahoma Department of Environmental Quality (DEQ) and the City of Idabel. This agreement is primarily for occupancy and access to the local armory building before and during limited remediation. The areas of responsibility and relationships presented herein provide the concept under which the program will be executed.

2. BACKGROUND: The Oklahoma Military Department (OMD) transferred title to its armory building at 2001 Industrial Pkwy, Idabel, Oklahoma to City of Idabel for public purpose use. There is a strong likelihood that the building contains asbestos and/or lead based paint. If an indoor firing range is located in the building, high concentrations of lead will be present. The DEQ plans to confirm the presence of hazards using sampling and analysis and to abate the asbestos, abate the lead based paint, and remediate the firing range.

3. RESPONSIBILITIES OF THE PARTIES: The following paragraphs identify responsibilities of the parties under this MOA:

The City's Responsibilities:

- Provide keys and access to DEQ and its contractors as needed to evaluate and remediate building;
- Restrict occupant's use/presence in the building before and during remediation, as requested. This could include removing equipment, vehicles and other items that may be in the way of cleanup activities; and
- Coordinate with DEQ during the remediation process.

The DEQ's Responsibilities:

- Provide regular progress reports to the City;

- Mitigate hazards to remedial goals with minimal use restrictions;
- Supply the City with a final report of all DEQ activities;
- File mandatory Notice of Remediation, i.e. deed notice;
- Notify the City of ongoing operations and maintenance issues, if any; and
- Perform armory transfer ceremony, if appropriate.

4. BUILDING USE RESTRICTIONS BEFORE CLEANUP

- No access to or use of the indoor firing range, if one is located there;
- No residential use;
- No use as a child occupied or elder care facility; and
- No use of the property without DEQ approval.

5. RESPONSIBILITY FOR COSTS: The DEQ is responsible for costs associated with site characterization and remediation of lead and asbestos in the armory building. The DEQ is not responsible for costs associated with insuring, maintenance and mowing of the property. The DEQ is not responsible for structural issues, replacement of roofing systems, mold issues, or building security.

6. PUBLIC INFORMATION: The City is generally responsible for all public information. However, the DEQ may make public announcements and respond to all inquiries relating to the characterization and remediation of the building. The City and the DEQ shall make their best efforts to give the other party advance notice before making any public statement regarding work contemplated, undertaken, or completed pursuant to this MOA. DEQ will prepare a press release in advance of the armory ceremony, if one is held.

7. COMMUNICATIONS AND COORDINATION REPRESENTATIVES: To provide consistent and effective communication between the DEQ and the City, each party shall appoint a principal representative to serve as its central point of contact on matters relating to this MOA.

For the DEQ:

Dustin Davidson
Project Manager
Box 1677, OkC, OK 73101-1677
405-702-5100
dustin.davidson@deq.ok.gov

For the City:

Jerry Shinn
Mayor
201 E Main St, Idabel OK 74745
580-286-7608
jshinn@idabel.net

8. MISCELLANEOUS: This MOA shall not affect any pre-existing or independent relationships or obligations between the parties.

9. EFFECTIVE DATE: This Agreement becomes effective upon the date of the signature of the Executive Director of the DEQ and will remain in effect until the armory building has been remediated and released for occupancy by the DEQ.

10. ACCEPTANCE OF AGREEMENT: The parties acknowledge and agree that they have read the Agreement and that they accept the responsibilities with which they are charged. The City agrees to comply with the building use restrictions before cleanup and understands that failure to comply with said restrictions or failure to adhere to the responsibilities enumerated in this Agreement may result in delayed remediation.

Jerry Shinn
Jerry Shinn
Mayor
City of Idabel

12-22-10
DATE

Steven A. Thompson
Steven A. Thompson
Executive Director
Department of Environmental Quality

1-19-11
DATE

MAINTENANCE PLAN

MAINTENANCE PLAN
FORMER IDABEL ARMORY
IDABEL, OKLAHOMA

The Armory located at 2001 Industrial Parkway, Idabel, Oklahoma, was contaminated with materials that required remediation pursuant to State and Federal environmental laws and regulations. Please refer to Attachment 1 for land use restrictions. Sampling performed by DEQ contractors, conducted on March 5, 2011, indicated that there was asbestos, lead-based paint, and lead dust in the building. Remediation activities at the Affected Property included abatement of asbestos, lead-based paint, and lead dust. The remedy was completed on December 7, 2011. The following maintenance plan is to be completed by the owner of the Affected Property. DEQ recommends inspection of remediated areas every 5 years. During site inspections the owner should note any signs of disrepair or improper maintenance. Continuing operation, maintenance and monitoring should include:

- Firing Range – The walls and ceiling of the indoor firing range was cleaned and sealed with DEQ approved lead-based paint encapsulant. In addition, the floors were cleaned and sealed with acrylic sealant to remediate surfaces below 40µg/SF for lead. These surfaces need to be resealed if encapsulant or sealant shows signs of deterioration, damage, or flaking.

Note – A list of DEQ approved acrylic sealant and elastomeric encapsulants is attached (Attachment 3). DEQ did not test every painted surface and all building materials inside and outside of the building, therefore there is a potential for lead-based paint and asbestos at the affected property.

If you have any questions or concerns feel free to contact me at (405) 702-5112.

Sincerely,

Rebecca Marfurt
Environmental Programs Specialist
DEQ Land Protection Division
Site Cleanup Assistance Program

ATTACHMENT 1

Land use Restrictions

LAND USE RESTRICTIONS: The land use restrictions at the above-described Affected Property are:

a. No residential use of the property by children age 6 or under. Residential use is defined as having a child present at the Affected Property for more than sixteen (16) hours within one twenty four (24) hour period.

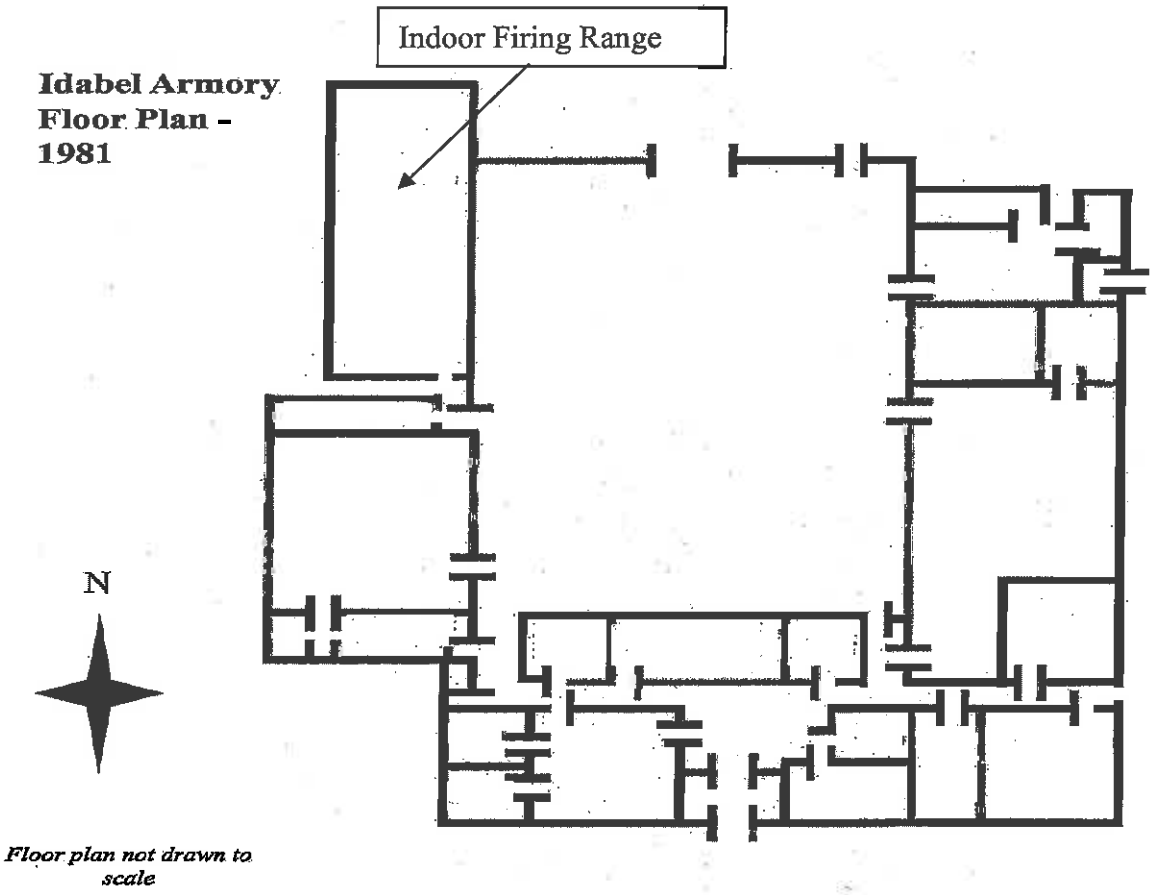
b. The indoor firing range should not be used as a child occupied facility. Child occupied facilities include, but are not limited to, day-care centers, preschools, and kindergarten classrooms where a child under 6 spends at least 6 hours per week.

These land use restrictions apply to the entirety of the Affected Property described herein above.

ATTACHMENT 2

Floor Plan Map

Labeled areas represent walls and floors with encapsulant and/or sealant.



ATTACHMENT 3

DEQ Approved Sealants and Encapsulants List

Acrylic Sealant approved by DEQ

KM-669 Acrylic

Lead-Based Paint Encapsulants approved by DEQ

Encapsulant Manufacturer	Encapsulant Product(s)
Coronado Paint Company	LEAD BLOCK™
Dumond Chemicals	LEAD STOP™
Dynacraft Industries, Inc.	Back to Nature Protect-A-Coat
Encap Systems Corporation	EncapSeal™ I
Encap Systems Corporation	EncapSeal™ II
Fiberlock Technologies, Inc.	Child GUARD interior/exterior
Fiberlock Technologies, Inc.	L-B-C® Type III
Global Encasement, Inc.	LeadLock™
Grace Construction Products	Lead Seal®
Grace Construction Products	Barrier Coat® II
Insl-x Products Corporation	INSL-CAP™
SAFE Encasement Systems	SE-120 Protective Skin
Specification Chemicals, Inc.	NU-WAL® #2500 Coating

INSPECTION REPORTS

LEAD-BASED PAINT INSPECTION REPORT

IDABEL ARMORY

DCS Contract Number: ID11070-5

05-05-11

Lead-Based Paint Inspection & Settled-Dust Sampling

Prepared For:

Oklahoma Department of Environmental Quality

Land Protection Division

707 North Robinson

Oklahoma City, Oklahoma 73102

Prepared By:

Marshall Environmental Management, Inc.

1601 Southwest 89th Street, Suite A-100

Oklahoma City, Oklahoma 73159

TABLE OF CONTENTS

CERTIFICATION

This is to certify that, Marshall Environmental Management, Inc. was contracted by the State of Oklahoma, Department of Central Services to conduct a Lead-Based Paint Inspection in addition to collecting samples of settled dust within the Idabel Armory located at 2001 Industrial parkway in Idabel, Oklahoma for the State of Oklahoma Department of Environmental Quality, Land Protection Division. All services performed on March 5, 2011 were conducted by a Certified, Oklahoma Department of Environmental Quality, Lead-Based Paint Inspector/Risk Assessor, Jamie Marshall and Jacob Jones, representative of Marshall Environmental Management, Inc., under the direction of Dr. Charles L. Marshall Certified Industrial Hygienist and President of Marshall Environmental Management, Inc. The analytical results associated with this Lead-Based Paint Inspection and settled dust sampling are believed to accurately, reflect the concentrations of lead in paint and settled dust that were present at the time this Inspection was accomplished.

OWNER INFORMATION

City of Idabel

CERTIFIED LEAD-BASED PAINT INSPECTOR/RISK ASSESSOR

3-24-11

Jamie Marshall, B.S., Industrial Hygiene Associate — **Report Date**
ODEQ Certification Number: OKRASR13418

3.24.11

Jacob Jones, B.S., Industrial Hygiene Associate — **Report Date**
ODEQ Certification Number: OKRASR13457

CERTIFIED LEAD-BASED PAINT FIRM

Marshall Environmental Management, Inc.
1601 Southwest 89th Street, Suite A-100
Oklahoma City, Oklahoma 73159
ODEQ Certification Number: OKFIRM11160

X-RAY FLUORESCE ANALYZER

Analyzer Make: Niton XLp Spectrum Analyzer
Analyzer Model: #XLp 300A
Analyzer Serial Number: 12585
Source Date: November 11, 2006

IDABEL ARMORY

LEAD-BASED PAINT INSPECTION & SETTLED DUST SAMPLING

EXECUTIVE SUMMARY

On March 5, 2011, Marshall Environmental Management, Inc. (MEM) performed a Lead-Based Paint (LBP) Inspection in addition to collecting samples of settled dust within the Idabel Armory located at 2001 Industrial Parkway in Idabel, Oklahoma. This Inspection and sampling event were accomplished as part of the Oklahoma Department of Environmental Quality (ODEQ), Land Protection Division (LPD) Site Cleanup Assistance Program and Armory Cleanup Program with the purpose of establishing the presence of LBP and lead-laden dust so, if necessary, a strategy may be prepared for remediation and/or abatement activities.

The analytical data resulting from the surfaces that were sampled did not identify any LBP surfaces, however lead-laden dust was discovered on various surfaces within the Armory. The remainder of this Report is comprised of the Sampling Methodology, Scope of Service, Analytical Findings, the Disclaimer and Standard of Care, information regarding LBP and the obligation to disclose the results of this LBP Inspection.

SAMPLING METHODOLOGY

This LBP Inspection and Settled Dust Sampling Event were conducted in accordance with the United States Department of Housing and Urban Development (HUD) guidelines, "*Guidelines for the Evaluation of Lead-Based Paint Hazards in Housing,*" in addition to the requirements set forth by the Environmental Protection Agency (EPA), "*Requirements for Lead-based Paint Activities in Target Housing and Child-occupied Facilities,*" 40 Code of Federal Regulations (CFR) Part 745.

SCOPE OF SERVICE

LEAD-BASED PAINT

All painted surfaces within the Armory were representatively sampled and analyzed for lead content excluding non-fixed and factory painted items utilizing an X-Ray Fluorescence (XRF), direct reading, data logging instrument. The street facing side of the Armory was labeled as Side A and going in a clockwise direction, the remaining sides were categorized as Side B, Side C and Side D respectively. The corresponding analytical data, including the start and stop times and calibration checks, and the floor plan diagram that illustrates room equivalents and specific sampling locations are provided with the Appendix to this Report.

LEAD-LADEN DUST

Settled dust collected from randomly selected floor surfaces throughout the Armory were sampled and analyzed for lead content. The settled dust is collected by placing a template of a known dimension firmly against the selected surface; next, the area within the template is wiped in a particular pattern utilizing a specified wipe; each wipe is then placed in an approved container for transportation purposes. The laboratory data resulting from the analysis of the

surface samples coincides with the sampling locations indicated on the floor plan diagram attached with the Appendix to this Report.

ANALYTICAL FINDINGS

LEAD-BASED PAINT

According to HUD/EPA "Lead-Based Paint" is characterized as paint that contains concentrations of lead greater than or equal to 1-milligram per square centimeter (≥1-mg/cm^2). As such, no LBP was identified on any of the surfaces that were sampled as part of this Inspection.

LEAD-LADEN DUST

In accordance with HUD/EPA, settled dust containing concentrations of lead equal to or greater than 40-micrograms per square foot (40-µg/ft^2) represent lead contamination; this action level applies to all surfaces within the Armory excluding the Indoor Firing Range (IFR). According to the Departments of the Army National Guard (ARNG) and the Air Force National Guard (ANG) Bureau guidelines, "*Guidelines and Procedures for Rehabilitation and Conversion of Indoor Firing Ranges*", lead concentrations within an IFR equal to or greater than 200-µg/ft^2 represent lead contamination. Therefore, the table below reflects the concentrations of lead in settled dust that were established throughout the Armory, the "Bolded" data represents lead concentrations, which exceeded the respective clearance levels.

TABLE I: SURFACE WIPE ANALYSIS

SAMPLE ID	LOCATION	CONCENTRATION	CLEARANCE LEVEL
0023-1	ROOM 1	<21.33-µg/ft^2	40-µg/ft^2
0023-2	ROOM 2	<21.33-µg/ft^2	40-µg/ft^2
0023-3	ROOM 3	<21.33-µg/ft^2	40-µg/ft^2
0023-4	ROOM 4	<21.33-µg/ft^2	40-µg/ft^2
0023-5	ROOM 5	<21.33-µg/ft^2	40-µg/ft^2
0023-6A	ROOM 6 NORTH	**498.43-µg/ft^2**	200-µg/ft^2
0023-6B	ROOM 6 SOUTH	**7,165.2-µg/ft^2**	200-µg/ft^2
0023-6C	ROOM 6 CENTER	**5136.8-µg/ft^2**	200-µg/ft^2
0023-7	ROOM 7 COMPOSITE	**42.04-µg/ft^2**	40-µg/ft^2
0023-7A	ROOM 7 NORTH	35.02-µg/ft^2	40-µg/ft^2
0023-7B	ROOM 7 CENTER	<21.33-µg/ft^2	40-µg/ft^2
0023-7C	ROOM 7 SOUTH	<21.33-µg/ft^2	40-µg/ft^2
0023-8	ROOM 8	<21.33-µg/ft^2	40-µg/ft^2
0023-9	ROOM 9	<21.33-µg/ft^2	40-µg/ft^2
0023-10	ROOM 10	<21.33-µg/ft^2	40-µg/ft^2
0023-11	ROOM 11	<21.33-µg/ft^2	40-µg/ft^2
0023-12	ROOM 12	<21.33-µg/ft^2	40-µg/ft^2
0023-13	ROOM 13	<21.33-µg/ft^2	40-µg/ft^2
0023-14	ROOM 14	<21.33-µg/ft^2	40-µg/ft^2

SAMPLE ID	LOCATION	CONCENTRATION	CLEARANCE LEVEL
0023-15	ROOM 15	<21.33-µg/ft^2	40-µg/ft^2
0023-16	ROOM 16	<21.33-µg/ft^2	40-µg/ft^2
0023-17	ROOM 17	39.87-µg/ft^2	40-µg/ft^2
0023-18	ROOM 18	33.33-µg/ft^2	40-µg/ft^2
0023-19	ROOM 19	37.75-µg/ft^2	40-µg/ft^2
0023-20	ROOM 20	<23.9-µg/ft^2	40-µg/ft^2
0023-21	ROOM 21	<23.9-µg/ft^2	40-µg/ft^2
0023-22	ROOM 22	<23.9-µg/ft^2	40-µg/ft^2
0023-23	ROOM 23	58.33-µg/ft^2	40-µg/ft^2
0023-24	ROOM 24	493.24-µg/ft^2	40-µg/ft^2

HISTORICAL OVERVIEW OF LEAD-BASED PAINT ACTIVITIES

Historical records were not provided for review nor was there evidence or information that would suggest that a prior LBP Inspection or Risk Assessment occurred within the Idabel Armory.

DISCLAIMER AND STANDARD OF CARE

The Idabel Armory is a one-story structure comprised of a brick façade and a flat roof that was constructed on a concrete slab circa 1981. Although the paint on various surfaces does not contain lead in concentrations that exceed the federal standard, a hazard could be presented if painted surfaces are disturbed. Occupational Safety and Health Administration (OSHA) regulations covering worker safety and health may apply when painted surfaces, lead-based paint or not, are disturbed. For any renovation that may disturb more than 2-square feet (2-ft^2) of painted surface in a facility built before 1978 the EPA pre-renovation rule requires that the contractor provide a copy of the booklet "*Protect Your Family From Lead in Your Home*" or "*Renovate Right: Important Lead Hazard Information for Families, Child Care Providers and Schools.*" Furthermore, if renovation of any kind takes place the contractor should provide a copy of "*Renovate Right: Important Lead Hazard Information for Families, Child Care Providers and Schools.*" This Report was generated utilizing HUD/EPA protocols referenced in the Certification portion of this Report. The analytical results associated with this LBP Inspection are only applicable on the date(s) indicated and future activities may alter the results. At the time these services were completed, no deviations from the Scope of Service took place.

DISCLOSURE STATEMENT AND OWNERS LEGAL OBLIGATION

Under Federal law (24 CFR Part 35 and 40 CFR Part 745), this LBP Inspection Report must be disclosed and made available to prospective tenants before becoming obligated under a lease or sales contract where LBP is present. If an Inspection finds that LBP is not present in certain multifamily dwelling units, which are to be leased, the dwelling unit(s) is exempt from disclosure requirements. However, under federal law **even if no LBP is identified** the owner is still required to fulfill certain legal responsibilities when the property is sold not leased. Property owners and sellers are also required to distribute an educational pamphlet and include standard warning language in their leases or sales contracts to ensure that information is provided in order to protect children from LBP hazards.

Information regarding the legal obligation to disclose results associated with LBP inspections and/or risk assessments to tenants and/or purchasers can be obtained from the National Lead Information Center Clearinghouse (1-800-424-LEAD). This information is specified in 24 CFR Part 35 and 40 CFR Part 745 (published in the *Federal Register*, Volume 61, Number 45, April 6, 1996, beginning on p. 9064).

LEAD-BASED PAINT INFORMATION

You may contact the National Lead Information Center Clearinghouse (1-800-424-LEAD) to obtain HUD/EPA brochures, question and answer booklets, regulations, mentioned in this Report, and other information regarding LBP disclosure.

APPENDIX

XRF ANALYTICAL DATA

(CALIBRATION CHECKS & START & STOP TIMES)

SURFACE WIPES CHAIN OF CUSTODY & ANALYTICAL DATA

FLOOR PLAN DIAGRAMS

SURFACE WIPES

CERTIFICATIONS

Idabel Armory
XRF Data

Marshall Environmental Management, Inc.
1601 Southwest 89th Street, Suite A-100
Oklahoma City, OK 73159

Index	Time	Type	Units	Sequence	Component	Substrate	Side	Color	Results	Depth Index	Action Level	PbK
2	2011-03-05 10:19	PAINT	mg / cm ^2	Final			CALIBRATE		Positive	1.22	1.00	< LOD : 1.80
6	2011-03-05 10:24	PAINT	mg / cm ^2	Final			CALIBRATE		Positive	1.06	1.00	0.80 ± 0.20
7	2011-03-05 10:26	PAINT	mg / cm ^2	Final			CALIBRATE		Positive	1.13	1.00	0.80 ± 0.40
8	2011-03-05 10:44	PAINT	mg / cm ^2	Final	WALL	CONCRETE	OFFICE A	WHITE	Negative	1.00	1.00	< LOD : 1.13
10	2011-03-05 10:46	PAINT	mg / cm ^2	Final	WALL	CONCRETE	OFFICE B	WHITE	Negative	1.00	1.00	< LOD : 1.04
11	2011-03-05 10:46	PAINT	mg / cm ^2	Final	WALL	CONCRETE	OFFICE C	WHITE	Negative	1.00	1.00	< LOD : 1.04
12	2011-03-05 10:47	PAINT	mg / cm ^2	Final	WALL	CONCRETE	OFFICE D	WHITE	Negative	1.00	1.00	< LOD : 1.66
13	2011-03-05 10:49	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 4 A	WHITE	Negative	1.00	1.00	< LOD : 1.09
14	2011-03-05 10:49	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 4 B	WHITE	Negative	1.15	1.00	< LOD : 1.08
15	2011-03-05 10:50	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 4 C	WHITE	Negative	1.00	1.00	< LOD : 2.23
16	2011-03-05 10:52	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 4 D	WHITE	Negative	1.00	1.00	< LOD : 1.04
20	2011-03-05 10:54	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 5 A	WHITE	Negative	3.40	1.00	< LOD : 1.06
21	2011-03-05 10:55	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 5 B	WHITE	Negative	1.00	1.00	< LOD : 0.75
22	2011-03-05 10:55	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 5 C	WHITE	Negative	2.17	1.00	< LOD : 1.50
23	2011-03-05 10:56	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 5 D	WHITE	Negative	1.00	1.00	< LOD : 1.09
25	2011-03-05 10:58	PAINT	mg / cm ^2	Final	DOOR	METAL	RM 5	BLACK	Negative	1.00	1.00	< LOD : 4.04
26	2011-03-05 10:58	PAINT	mg / cm ^2	Final	DOOR JAMB	METAL	RM 5	BLACK	Negative	1.00	1.00	< LOD : 4.87
27	2011-03-05 10:59	PAINT	mg / cm ^2	Final	DOOR JAMB	METAL	RM 4	BLACK	Negative	1.00	1.00	< LOD : 4.95
28	2011-03-05 10:59	PAINT	mg / cm ^2	Final	DOOR	METAL	RM 4	BLACK	Negative	1.00	1.00	< LOD : 4.01
29	2011-03-05 11:00	PAINT	mg / cm ^2	Final	DOOR	METAL	OFFICE D	BLACK	Negative	1.00	1.00	< LOD : 3.95
31	2011-03-05 11:01	PAINT	mg / cm ^2	Final	DOOR JAMB	METAL	OFFICE D	BLACK	Negative	1.00	1.00	< LOD : 4.50
32	2011-03-05 11:03	PAINT	mg / cm ^2	Final	DOOR JAMB	METAL	OFFICE C	BLACK	Negative	1.00	1.00	< LOD : 4.80
33	2011-03-05 11:03	PAINT	mg / cm ^2	Final	DOOR	METAL	OFFICE C	BLACK	Negative	1.00	1.00	< LOD : 4.15
36	2011-03-05 11:08	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 9 A	WHITE	Negative	1.00	1.00	< LOD : 1.03
37	2011-03-05 11:09	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 9 B	WHITE	Negative	1.00	1.00	< LOD : 1.09
38	2011-03-05 11:10	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 9 C	WHITE	Negative	1.60	1.00	< LOD : 2.31
39	2011-03-05 11:10	PAINT	mg / cm ^2	Final	WALL	DRYWALL	RM 9 C	BLUE	Negative	1.00	1.00	< LOD : 2.52
40	2011-03-05 11:12	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 9 D	WHITE	Negative	1.44	1.00	< LOD : 0.90
41	2011-03-05 11:13	PAINT	mg / cm ^2	Final	DOOR	METAL	RM 9 B	BLACK	Negative	1.00	1.00	< LOD : 4.47
42	2011-03-05 11:13	PAINT	mg / cm ^2	Final	DOOR JAMB	METAL	RM 9 B	BLACK	Negative	1.00	1.00	< LOD : 4.67
43	2011-03-05 11:16	PAINT	mg / cm ^2	Final	DOOR JAMB	METAL	RM 9 B	BROWN	Negative	1.00	1.00	< LOD : 4.83
44	2011-03-05 11:16	PAINT	mg / cm ^2	Final	DOOR	METAL	RM 9 B	BROWN	Negative	1.00	1.00	< LOD : 4.40
45	2011-03-05 11:17	PAINT	mg / cm ^2	Final	DOOR	METAL	RM 17 A	BROWN	Negative	1.00	1.00	< LOD : 4.75
47	2011-03-05 11:18	PAINT	mg / cm ^2	Final	DOOR JAMB	METAL	RM 17 A	BROWN	Negative	1.00	1.00	< LOD : 5.00
48	2011-03-05 11:19	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 17 A	BEIGE	Negative	1.00	1.00	< LOD : 1.12
49	2011-03-05 11:20	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 17 B	BEIGE	Negative	1.00	1.00	< LOD : 0.75
50	2011-03-05 11:21	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 17 C	BEIGE	Negative	1.00	1.00	< LOD : 2.42
51	2011-03-05 11:21	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 17 D	BEIGE	Negative	1.00	1.00	< LOD : 2.25
52	2011-03-05 11:22	PAINT	mg / cm ^2	Final	CEILING	CONCRETE	RM 17 D	BEIGE	Negative	1.12	1.00	< LOD : 2.01
53	2011-03-05 11:23	PAINT	mg / cm ^2	Final	WALL	DRYWALL	RM 18 A	BLUE	Negative	1.85	1.00	< LOD : 1.93

Idabel Armory
XRF Data

Marshall Environmental Management, Inc.
1601 Southwest 89th Street, Suite A-100
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Index	Time	Type	Units	Sequence	Component	Substrate	Side	Color	Results	Depth Index	Action Level	Pb/c
54	2011-03-05 11:24	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 18 B	BLUE	Negative	1.00	1.00	< LOD : 2.08
55	2011-03-05 11:25	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 18 C	BLUE	Negative	1.00	1.00	< LOD : 0.94
56	2011-03-05 11:26	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 18 D	BLUE	Negative	1.00	1.00	< LOD : 1.04
57	2011-03-05 11:27	PAINT	mg / cm ^2	Final	DOOR	WOOD	RM 18 A	GREY	Negative	1.00	1.00	< LOD : 2.19
58	2011-03-05 11:27	PAINT	mg / cm ^2	Final	DOOR JAMB	WOOD	RM 18 A	GREY	Negative	1.00	1.00	< LOD : 2.17
59	2011-03-05 11:28	PAINT	mg / cm ^2	Final	DOOR JAMB	METAL	RM 8 B	BROWN	Negative	1.00	1.00	< LOD : 4.64
60	2011-03-05 11:29	PAINT	mg / cm ^2	Final	DOOR	METAL	RM 8 B	BROWN	Negative	1.00	1.00	< LOD : 4.11
61	2011-03-05 11:31	PAINT	mg / cm ^2	Final	DOOR	METAL	RM 8 C	BROWN	Negative	1.00	1.00	< LOD : 4.78
62	2011-03-05 11:31	PAINT	mg / cm ^2	Final	DOOR JAMB	METAL	RM 8 G	BROWN	Negative	1.00	1.00	< LOD : 3.23
63	2011-03-05 11:32	PAINT	mg / cm ^2	Final	DOOR JAMB	METAL	RM 8 D	BROWN	Negative	1.00	1.00	< LOD : 4.93
64	2011-03-05 11:32	PAINT	mg / cm ^2	Final	DOOR	METAL	RM 8 D	BROWN	Negative	1.00	1.00	< LOD : 4.25
66	2011-03-05 11:34	PAINT	mg / cm ^2	Final	WALL	METAL	RM 2 A	WHITE	Negative	1.72	1.00	< LOD : 0.91
67	2011-03-05 11:35	PAINT	mg / cm ^2	Final	WALL	METAL	RM 2 B	WHITE	Negative	1.00	1.00	< LOD : 1.55
69	2011-03-05 11:36	PAINT	mg / cm ^2	Final	WALL	METAL	RM 2 C	WHITE	Negative	1.00	1.00	< LOD : 1.10
70	2011-03-05 11:37	PAINT	mg / cm ^2	Final	WALL	METAL	RM 2 D	WHITE	Negative	5.96	1.00	< LOD : 1.79
72	2011-03-05 11:38	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 10 A	WHITE	Negative	1.35	1.00	< LOD : 1.74
73	2011-03-05 11:39	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 10 B	WHITE	Negative	1.00	1.00	< LOD : 1.04
74	2011-03-05 11:40	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 10 C	WHITE	Negative	1.00	1.00	< LOD : 1.04
75	2011-03-05 11:41	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 10 D	WHITE	Negative	1.00	1.00	< LOD : 0.75
76	2011-03-05 11:42	PAINT	mg / cm ^2	Final	DOOR	METAL	RM 10 D	BLACK	Negative	1.00	1.00	< LOD : 4.34
78	2011-03-05 11:42	PAINT	mg / cm ^2	Final	DOOR JAMB	METAL	RM 10 D	BLACK	Negative	1.00	1.00	< LOD : 4.64
79	2011-03-05 11:44	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 11 A	WHITE	Negative	1.00	1.00	< LOD : 1.04
80	2011-03-05 11:46	PAINT	mg / cm ^2	Final	WALL	DRYWALL	RM 11 B	WHITE	Negative	1.51	1.00	< LOD : 1.95
81	2011-03-05 11:47	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 11 C	WHITE	Negative	1.78	1.00	< LOD : 1.08
82	2011-03-05 11:48	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 11 D	WHITE	Negative	1.00	1.00	< LOD : 1.06
83	2011-03-05 11:48	PAINT	mg / cm ^2	Final	DOOR	METAL	RM 11 C	BLACK	Negative	1.00	1.00	< LOD : 3.96
84	2011-03-05 11:50	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 12 A	BLUE	Negative	1.98	1.00	< LOD : 1.02
85	2011-03-05 11:51	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 12 B	BLUE	Negative	1.00	1.00	< LOD : 1.05
86	2011-03-05 11:51	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 12 C	BLUE	Negative	1.00	1.00	< LOD : 2.06
87	2011-03-05 11:52	PAINT	mg / cm ^2	Final	WALL	DRYWALL	RM 12 D	BLUE	Negative	1.00	1.00	< LOD : 1.88
89	2011-03-05 11:52	PAINT	mg / cm ^2	Final	TRIM	WOOD	RM 12 D	BLUE	Negative	1.00	1.00	< LOD : 2.40
90	2011-03-05 11:53	PAINT	mg / cm ^2	Final	DOOR	METAL	RM 12 C	GREY	Negative	1.00	1.00	< LOD : 3.78
91	2011-03-05 11:54	PAINT	mg / cm ^2	Final	DOOR	METAL	RM 12 C	BLACK	Negative	1.00	1.00	< LOD : 3.97
92	2011-03-05 11:54	PAINT	mg / cm ^2	Final	DOOR JAMB	METAL	RM 12 C	BLACK	Negative	1.00	1.00	< LOD : 4.79
93	2011-03-05 11:58	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 13 A	WHITE	Negative	1.83	1.00	< LOD : 1.01
94	2011-03-05 11:59	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 13 B	WHITE	Negative	2.80	1.00	< LOD : 1.00
95	2011-03-05 12:00	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 13 C	WHITE	Negative	1.00	1.00	< LOD : 1.04
97	2011-03-05 12:01	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 13 D	WHITE	Negative	1.00	1.00	< LOD : 1.09
98	2011-03-05 12:01	PAINT	mg / cm ^2	Final	DOOR	METAL	RM 13 C	BLACK	Negative	1.00	1.00	< LOD : 4.27
99	2011-03-05 12:02	PAINT	mg / cm ^2	Final	DOOR JAMB	METAL	RM 13 C	BLACK	Negative	1.00	1.00	< LOD : 4.73

Idabel Armory
XRF Data

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Index	Time	Type	Units	Sequence	Component	Substrate	Side	Color	Results	Depth Index	Action Level	PbK
100	2011-03-05 12:03	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 14 A	WHITE	Negative	1.00	1.00	<LOD : 1.08
101	2011-03-05 12:04	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 14 B	WHITE	Negative	1.00	1.00	<LOD : 2.08
103	2011-03-05 12:05	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 14 c	WHITE	Negative	1.57	1.00	<LOD : 1.08
104	2011-03-05 12:06	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 14 D	WHITE	Negative	1.00	1.00	<LOD : 0.98
105	2011-03-05 12:08	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 15 A	WHITE	Negative	1.11	1.00	<LOD : 0.90
107	2011-03-05 12:10	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 15 B	WHITE	Negative	1.75	1.00	<LOD : 1.09
108	2011-03-05 12:11	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 15 C	WHITE	Negative	1.00	1.00	<LOD : 1.04
109	2011-03-05 12:12	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 15 D	WHITE	Negative	1.00	1.00	<LOD : 0.96
110	2011-03-05 12:13	PAINT	mg / cm ^2	Final	DOOR	METAL	RM 15 A	BLACK	Negative	1.00	1.00	<LOD : 4.10
111	2011-03-05 12:14	PAINT	mg / cm ^2	Final	DOOR JAMB	METAL	RM 15 A	BLACK	Negative	1.00	1.00	<LOD : 4.73
112	2011-03-05 12:17	PAINT	mg / cm ^2	Final	DOOR JAMB	METAL	RM 20 A	BLACK	Negative	1.00	1.00	<LOD : 4.83
113	2011-03-05 12:18	PAINT	mg / cm ^2	Final	DOOR	METAL	RM 20 A	BLACK	Negative	1.00	1.00	<LOD : 4.06
114	2011-03-05 12:21	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 20 A	WHITE	Negative	1.00	1.00	<LOD : 1.08
117	2011-03-05 12:23	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 20 B	WHITE	Negative	1.00	1.00	<LOD : 1.04
118	2011-03-05 12:23	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 20 C	WHITE	Negative	1.00	1.00	<LOD : 1.04
119	2011-03-05 12:24	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 20 D	WHITE	Negative	1.00	1.00	<LOD : 1.05
120	2011-03-05 12:28	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 21 A	WHITE	Negative	1.00	1.00	<LOD : 1.08
121	2011-03-05 12:29	PAINT	mg / cm ^2	Final	PIPE	METAL	RM 21 B	WHITE	Negative	1.00	1.00	<LOD : 4.86
122	2011-03-05 12:30	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 21 B	WHITE	Negative	1.00	1.00	<LOD : 1.03
124	2011-03-05 12:32	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 21 C	WHITE	Negative	1.00	1.00	<LOD : 0.90
125	2011-03-05 12:32	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 21 D	WHITE	Negative	1.00	1.00	<LOD : 2.35
126	2011-03-05 12:33	PAINT	mg / cm ^2	Final	DOOR	METAL	RM 21 D	BLACK	Negative	1.00	1.00	<LOD : 4.17
127	2011-03-05 12:34	PAINT	mg / cm ^2	Final	DOOR JAMB	METAL	RM 21 D	BLACK	Negative	1.00	1.00	<LOD : 4.98
128	2011-03-05 12:36	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 22 A	WHITE	Negative	2.50	1.00	<LOD : 1.05
130	2011-03-05 12:37	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 22 B	WHITE	Negative	1.00	1.00	<LOD : 2.34
132	2011-03-05 12:38	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 22 C	WHITE	Negative	1.00	1.00	<LOD : 1.06
133	2011-03-05 12:38	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 22 D	WHITE	Negative	1.00	1.00	<LOD : 1.74
134	2011-03-05 12:40	PAINT	mg / cm ^2	Final	DOOR	METAL	RM 22 D	BLACK	Negative	1.00	1.00	<LOD : 4.07
135	2011-03-05 12:41	PAINT	mg / cm ^2	Final	DOOR JAMB	METAL	RM 22 D	BLACK	Negative	1.00	1.00	<LOD : 4.65
136	2011-03-05 12:42	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 23 A	WHITE	Negative	1.00	1.00	<LOD : 1.02
138	2011-03-05 12:43	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 23 B	WHITE	Negative	1.00	1.00	<LOD : 0.90
141	2011-03-05 12:44	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 23 C	WHITE	Negative	1.00	1.00	<LOD : 0.97
142	2011-03-05 12:45	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 23 D	WHITE	Negative	1.00	1.00	<LOD : 2.30
143	2011-03-05 12:45	PAINT	mg / cm ^2	Final	DOOR	METAL	RM 23 D	BROWN	Negative	1.00	1.00	<LOD : 4.35
144	2011-03-05 12:46	PAINT	mg / cm ^2	Final	DOOR JAMB	METAL	RM 23 D	GREEN	Negative	1.00	1.00	<LOD : 4.51
145	2011-03-05 12:46	PAINT	mg / cm ^2	Final	DOOR JAMB	METAL	RM 23 A	GREEN	Negative	1.00	1.00	<LOD : 4.95
146	2011-03-05 12:47	PAINT	mg / cm ^2	Final	DOOR	METAL	RM 23 A	GREEN	Negative	1.00	1.00	<LOD : 4.06
149	2011-03-05 12:49	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 24A	WHITE	Negative	1.00	1.00	<LOD : 1.03
150	2011-03-05 12:49	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 24B	WHITE	Negative	1.50	1.00	<LOD : 1.01
151	2011-03-05 12:50	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 24C	WHITE	Negative	1.00	1.00	<LOD : 0.99

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Index	Time	Type	Units	Sequence	Component	Substrate	Side	Color	Results	Depth Index	Action Level	Pb%
152	2011-03-05 12:51	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 24D	WHITE	Negative	1.00	1.00	< LOD : 0.75
153	2011-03-05 12:52	PAINT	mg / cm ^2	Final	DOOR	METAL	RM 24D	BROWN	Negative	1.00	1.00	< LOD : 4.28
154	2011-03-05 12:52	PAINT	mg / cm ^2	Final	DOOR JAMB	METAL	RM 24D	BROWN	Negative	1.00	1.00	< LOD : 4.80
155	2011-03-05 12:53	PAINT	mg / cm ^2	Final	RAFTERS	METAL	RM 6	WHITE	Negative	1.07	1.00	< LOD : 4.95
157	2011-03-05 12:55	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 6 A	WHITE	Negative	1.00	1.00	< LOD : 2.29
159	2011-03-05 12:56	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 6 B	WHITE	Negative	1.00	1.00	< LOD : 1.07
161	2011-03-05 12:57	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 6 D	WHITE	Negative	2.19	1.00	< LOD : 1.02
162	2011-03-05 12:58	PAINT	mg / cm ^2	Final	DOOR	METAL	RM 6 A	BROWN	Negative	1.00	1.00	< LOD : 4.03
163	2011-03-05 12:58	PAINT	mg / cm ^2	Final	DOOR JAMB	METAL	RM 6 A	BROWN	Negative	1.00	1.00	< LOD : 5.11
164	2011-03-05 12:59	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 7 A	BEIGE	Negative	5.33	1.00	< LOD : 1.09
166	2011-03-05 13:01	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 7 B	BEIGE	Negative	1.96	1.00	< LOD : 1.06
167	2011-03-05 13:02	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 7 C	BEIGE	Negative	1.14	1.00	< LOD : 1.05
169	2011-03-05 13:03	PAINT	mg / cm ^2	Final	WALL	CONCRETE	RM 7 D	BEIGE	Negative	1.00	1.00	< LOD : 1.05
170	2011-03-05 13:04	PAINT	mg / cm ^2	Final	DOOR	METAL	RM 7 C	BROWN	Negative	1.00	1.00	< LOD : 4.32
171	2011-03-05 13:05	PAINT	mg / cm ^2	Final	DOOR JAMB	METAL	RM 7 C	BROWN	Negative	1.00	1.00	< LOD : 4.42
172	2011-03-05 13:05	PAINT	mg / cm ^2	Final	DOOR JAMB	METAL	RM 7 D	BLACK	Negative	1.00	1.00	< LOD : 4.40
173	2011-03-05 13:06	PAINT	mg / cm ^2	Final	DOOR	METAL	RM 7 D	BLACK	Negative	1.00	1.00	< LOD : 4.53
175	2011-03-05 13:06	PAINT	mg / cm ^2	Final	DOOR	METAL	RM 7 B	BLACK	Negative	1.00	1.00	< LOD : 4.07
177	2011-03-05 13:07	PAINT	mg / cm ^2	Final	DOOR JAMB	METAL	RM 7 B	BLACK	Negative	1.00	1.00	< LOD : 4.70
183	2011-03-05 13:19	PAINT	mg / cm ^2	Final			CALIBRATE		Positive	1.08	1.00	0.80 ± 0.30
184	2011-03-05 13:21	PAINT	mg / cm ^2	Final			CALIBRATE		Positive	1.07	1.00	0.90 ± 0.30
186	2011-03-05 13:25	PAINT	mg / cm ^2	Final			CALIBRATE		Positive	1.10	1.00	0.90 ± 0.40

1601 SW 89th St. Ste. A-100
Oklahoma City, OK 73159

Marshall Environmental Management, Inc.
Chain Of Custody

Phone: (405) 616-0401
Fax: (405) 681-6753
marshenv@swbell.net

PROJECT INFORMATION		INVOICE TO		REPORT TO	
Project ID	0023-LBP-030511	Client/Company	Marshall Environmental Management, Inc.	Client/Company	
Project Name		Attention		Attention	
Project Address		Title		Title	
Site Contact		Invoice To Address		Address	
Phone Number		Phone Number		Phone Number	
Mobile Number		Fax Number		Fax Number	
Email		Mobile Number		Mobile Number	
		E-mail Address		E-mail Address	

Lab Id #	Sample Date	Field Id	Sample Location (lobby, bedroom, etc.)	Specific Sample Area	Sample Matrix	Sample Media	Sample Time		Volume/Area	Unit	Analysis/ Parameters
0023-01	3/5/2011	W-01	Room 1	N/A	Surface	Wipe	On	N/A	108	inches^2	AA Total Pb
							Off	N/A			
0023-02	3/5/2011	W-02	Room 2	N/A	Surface	Wipe	On	N/A	108	inches^2	AA Total Pb
							Off	N/A			
0023-03	3/5/2011	W-03	Room 3	N/A	Surface	Wipe	On	N/A	108	inches^2	AA Total Pb
							Off	N/A			
0023-04	3/5/2011	W-04	Room 4	N/A	Surface	Wipe	On	N/A	108	inches^2	AA Total Pb
							Off	N/A			
0023-05	3/5/2011	W-05	Room 5	N/A	Surface	Wipe	On	N/A	108	inches^2	AA Total Pb
							Off	N/A			
0023-06	3/5/2011	W-06A	Room 6 North	N/A	Surface	Wipe	On	N/A	144	inches^2	AA Total Pb
							Off	N/A			
0023-07	3/5/2011	W-06B	Room 6 South	N/A	Surface	Wipe	On	N/A	144	inches^2	AA Total Pb
							Off	N/A			
0023-08	3/5/2011	W-06C	Room 6 Center	N/A	Surface	Wipe	On	N/A	144	inches^2	AA Total Pb
							Off	N/A			
0023-09	3/5/2011	W-07	Room 7 Composite	N/A	Surface	Wipe	On	N/A	108	inches^2	AA Total Pb
							Off	N/A			
0023-10	3/5/2011	W-7A	Room 7 North	N/A	Surface	Wipe	On	N/A	144	inches^2	AA Total Pb
							Off	N/A			

Collected By	Jamie Marshall	(print)	Date	3/5/2011	Relinquished By	Jamie Marshall	(print)	Date	3/10/2011
		(signature)	Time	1100			(signature)	Time	1140
Received By		(print)	Date		Relinquished By		(print)	Date	
		(signature)	Time				(signature)	Time	

Turn-Around-Time			Condition Upon Receipt	Method of Shipment	Jamie Marshall
X	Standard	5/7 Business Days			
	Rush	Next Day			
	Immediate	Same Day	Sample Notes		

Matrix	Media				
Air	MV	MP	ST	SW	TL
Aqueous	Micro-Vacuum	Mold Plate	Spore Trap	Swab	Tape-Lift
Bulk					
Sludge					
Soil					
Solid					

1601 SW 89th St. Ste. A-100
Oklahoma City, OK 73159

Marshall Environmental Management, Inc.
Chain Of Custody

Phone: (405) 616-0401
Fax: (405) 681-6753
marshenv@swbell.net

PROJECT INFORMATION		INVOICE TO		REPORT TO	
Project Id.	0023-LBP-030511	Client/Company	Marshall Environmental Management, Inc.	Client/Company	
Project Name		Attention Title		Attention Title	
Project Address		Invoice To Address		Address	
Site Contact		Phone Number		Phone Number	
Phone Number		Fax Number		Fax Number	
Mobile Number		Mobile Number		Mobile Number	
email		E-mail Address		Email Address	

Lab Id	Sample Date	Field Id.	Sample Location (lobby, bedroom, etc.)	Specific Sample Area	Sample Matrix	Sample Media	Sample Time		Volume/Area	Unit	Analysis/ Parameters
0023-11	3/5/2011	W-07B	Room 7 Center	N/A	Surface	Wipe	On Off	N/A N/A	144	$inches^2$	AA Total Pb
0023-12	3/5/2011	W-07C	Room 7 South	N/A	Surface	Wipe	On Off	N/A N/A	144	$inches^2$	AA Total Pb
0023-13	3/5/2011	W-08	Room 8	N/A	Surface	Wipe	On Off	N/A N/A	108	$inches^2$	AA Total Pb
0023-14	3/5/2011	W-09	Room 9	N/A	Surface	Wipe	On Off	N/A N/A	108	$inches^2$	AA Total Pb
0023-15	3/5/2011	W-10	Room 10	N/A	Surface	Wipe	On Off	N/A N/A	108	$inches^2$	AA Total Pb
0023-16	3/5/2011	W-11	Room 11	N/A	Surface	Wipe	On Off	N/A N/A	108	$inches^2$	AA Total Pb
0023-17	3/5/2011	W-12	Room 12	N/A	Surface	Wipe	On Off	N/A N/A	108	$inches^2$	AA Total Pb
0023-18	3/5/2011	W-13	Room 13	N/A	Surface	Wipe	On Off	N/A N/A	108	$inches^2$	AA Total Pb
0023-19	3/5/2011	W-14	Room 14	N/A	Surface	Wipe	On Off	N/A N/A	108	$inches^2$	AA Total Pb
0023-20	3/5/2011	W-15	Room 15	N/A	Surface	Wipe	On Off	N/A N/A	108	$inches^2$	AA Total Pb

Collected By	Jamie Marshall (print) / [signature] (signature)	Date	3/5/2011	Relinquished By	Jamie Marshall (print) / (signature)	Date	3/10/2011		
		Time	1100			Time	1140		
Received By	(print) / (signature)	Date		Relinquished By	(print) / (signature)	Date			
		Time				Time			

Turn-Around-Time			
X	Standard	5-7 Business Days	
	Rush	Next Day	
	Immediate	Same Day	

Condition Upon Receipt:

Sample Notes:

Method of Shipment: Jamie Marshall

Matrix	Media				
	MV	MP	ST	SW	TL
Air	Micro-Vacuum	Mold-Tape	Spore-Trap	Swab	Tape-Lift
Aqueous					
Bulk					
Sludge					
Soil					
Solid					

1601 SW 89th St. Ste. A-100
Oklahoma City, OK 73159

Marshall Environmental Management, Inc.
Chain Of Custody

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Fax: (405) 681-6753
marshenv@swbell.net

PROJECT INFORMATION		INVOICE TO		REPORT TO	
Project Id:	0023-LBP-030511	Client/Company:	Marshall Environmental Management, Inc.	Client/Company:	
Project Name:		Attention:		Attention:	
Project Address:		Title:		Title:	
Site Contact:		Invoice To Address:		Address:	
Phone Number:		Phone Number:		Phone Number:	
Mobile Number:		Fax Number:		Fax Number:	
email:		Mobile Number:		Mobile Number:	
		E-mail Address:		E-mail Address:	

Lab Id	Sample Date	Field Id	Sample Location (Room, Bathroom, etc.)	Specific Sample Area	Sample Matrix	Sample Media	Sample Time	Volume/Area	Unit	Analysis/ Parameters
0023-21	3/5/2011	W-16	Room 16	N/A	Surface	Wipe	N/A	108	inches^2	AA Total Pb
0023-22	3/5/2011	W-17	Room 17	N/A	Surface	Wipe	N/A	108	inches^2	AA Total Pb
0023-23	3/5/2011	W-18	Room 18	N/A	Surface	Wipe	N/A	108	inches^2	AA Total Pb
0023-24	3/5/2011	W-19	Room 19	N/A	Surface	Wipe	N/A	108	inches^2	AA Total Pb
0023-25	3/5/2011	W-20	Room 20	N/A	Surface	Wipe	N/A	108	inches^2	AA Total Pb
0023-26	3/5/2011	W-21	Room 21	N/A	Surface	Wipe	N/A	108	inches^2	AA Total Pb
0023-27	3/5/2011	W-22	Room 22	N/A	Surface	Wipe	N/A	108	inches^2	AA Total Pb
0023-28	3/5/2011	W-23	Room 23	N/A	Surface	Wipe	N/A	108	inches^2	AA Total Pb
0023-29	3/5/2011	W-24	Room 24	N/A	Surface	Wipe	N/A	108	inches^2	AA Total Pb

Collected By:	Jamie Marshall	(print)	Date:	3/5/2011	Relinquished By:	Jamie Marshall	(print)	Date:	3/10/2011
Received By:		(signature)	Time:	1100			(signature)	Time:	1140
		(print)	Date:		Relinquished By:		(print)	Date:	
		(signature)	Time:				(signature)	Time:	

Turn-Around-Time			Condition Upon Receipt	Method of Shipment:	Jamie Marshall
X	Standard	5-7 Business Days			
	Rush	Next Day			
	Immediate	Same Day	Sample Notes		

Matrix	Media				
Air	MV	MP	ST	SW	TL
Aqueous	Micro-Vacuum	Wipe/Filter	Sponge/Tape	Swab	Tape Lift
Bulk					
Sludge					
Soil					
Solid					

2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Marshall Environmental Management, Inc.
1601 SW 89th Street, Ste. A-100
Oklahoma City, OK 73159

Re: QuanTEM ID 192796

QuanTEM appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making QuanTEM your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

We continually work to improve our service. Help us out by providing feed back on your experience at www.QuanTEM.com. Click on Service Survey and fill out the form. We look forward to hearing from you.

Respectfully,
QuanTEM Laboratories, LLC.

2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Environmental Chemistry Analysis Report

QuanTEM Set ID: 192796
Date Received: 03/10/11
Received By: Sherrie Leftwich
Date Sampled:
Time Sampled:
Analyst: BM
Date of Report: 3/24/2011

AIHA ID: 101352

Client: Marshall Environmental Management, Inc.
1601 SW 89th Street, Ste. A-100
Oklahoma City, OK 73159

Acct. No.: A331

Project: Revised
Location: N/A
Project No.: 0023-LBP-030511-JJ

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	0023-1	Wipe	Lead	<21.33	21.33	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100
002	0023-2	Wipe	Lead	<21.33	21.33	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100
003	0023-3	Wipe	Lead	<21.33	21.33	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100
004	0023-4	Wipe	Lead	<21.33	21.33	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100
005	0023-5	Wipe	Lead	<21.33	21.33	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100
006	0023-6A	Wipe	Lead	498.43	16.0	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100
007	0023-6B	Wipe	Lead	7,165.2	16.0	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100
008	0023-6C	Wipe	Lead	5136.8	16.0	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100
009	0023-7	Wipe	Lead	42.04	16	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100
010	0023-7A	Wipe	Lead	35.02	16.0	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100
011	0023-7B	Wipe	Lead	<16.0	16.0	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100

Note: Sample results have not been corrected for blank values.

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Environmental Chemistry Analysis Report

QuanTEM Set ID: 192796
Date Received: 03/10/11
Received By: Sherrie Leftwich
Date Sampled:
Time Sampled:
Analyst: BM
Date of Report: 3/24/2011

AIHA ID: 101352

Client: Marshall Environmental Management, Inc.
1601 SW 89th Street, Ste. A-100
Oklahoma City, OK 73159

Acct. No.: A331

Project: Revised
Location: N/A
Project No.: 0023-LBP-030511-JJ

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
012	0023-7C	Wipe	Lead	<16.00	16.00	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100
013	0023-8	Wipe	Lead	<21.33	21.33	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100
014	0023-9	Wipe	Lead	<21.33	21.33	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100
015	0023-10	Wipe	Lead	<21.33	21.33	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100
016	0023-11	Wipe	Lead	<21.33	21.33	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100
017	0023-12	Wipe	Lead	<21.33	21.33	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100
018	0023-13	Wipe	Lead	<21.33	21.33	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100
019	0023-14	Wipe	Lead	<21.33	21.33	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100
020	0023-15	Wipe	Lead	<21.33	21.33	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100
021	0023-16	Wipe	Lead	<21.33	21.33	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100
022	0023-17	Wipe	Lead	39.87	21.33	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100

Note: Sample results have not been corrected for blank values.

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Environmental Chemistry Analysis Report

QuanTEM Set ID: 192796
Date Received: 03/10/11
Received By: Sherrie Leftwich
Date Sampled:
Time Sampled:
Analyst: BM
Date of Report: 3/24/2011

AIHA ID: 101352

Client: Marshall Environmental Management, Inc.
1601 SW 89th Street, Ste. A-100
Oklahoma City, OK 73159

Acct. No.: A331

Project: Revised
Location: N/A
Project No.: 0023-LBP-030511-JJ

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
023	0023-18	Wipe	Lead	33.33	21.33	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100
024	0023-19	Wipe	Lead	37.75	21.33	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100
025	0023-20	Wipe	Lead	<21.33	21.33	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100
026	0023-21	Wipe	Lead	<21.33	21.33	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100
027	0023-22	Wipe	Lead	<21.33	21.33	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100
028	0023-23	Wipe	Lead	58.33	21.33	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100
029	0023-24	Wipe	Lead	493.24	21.33	ug/sq. Ft.	03/11/11 13:00	EPA600/R-93/200 / NIOSH 9100

Authorized Signature: _____
Benton Miller, Analyst

Note: Sample results have not been corrected for blank values.

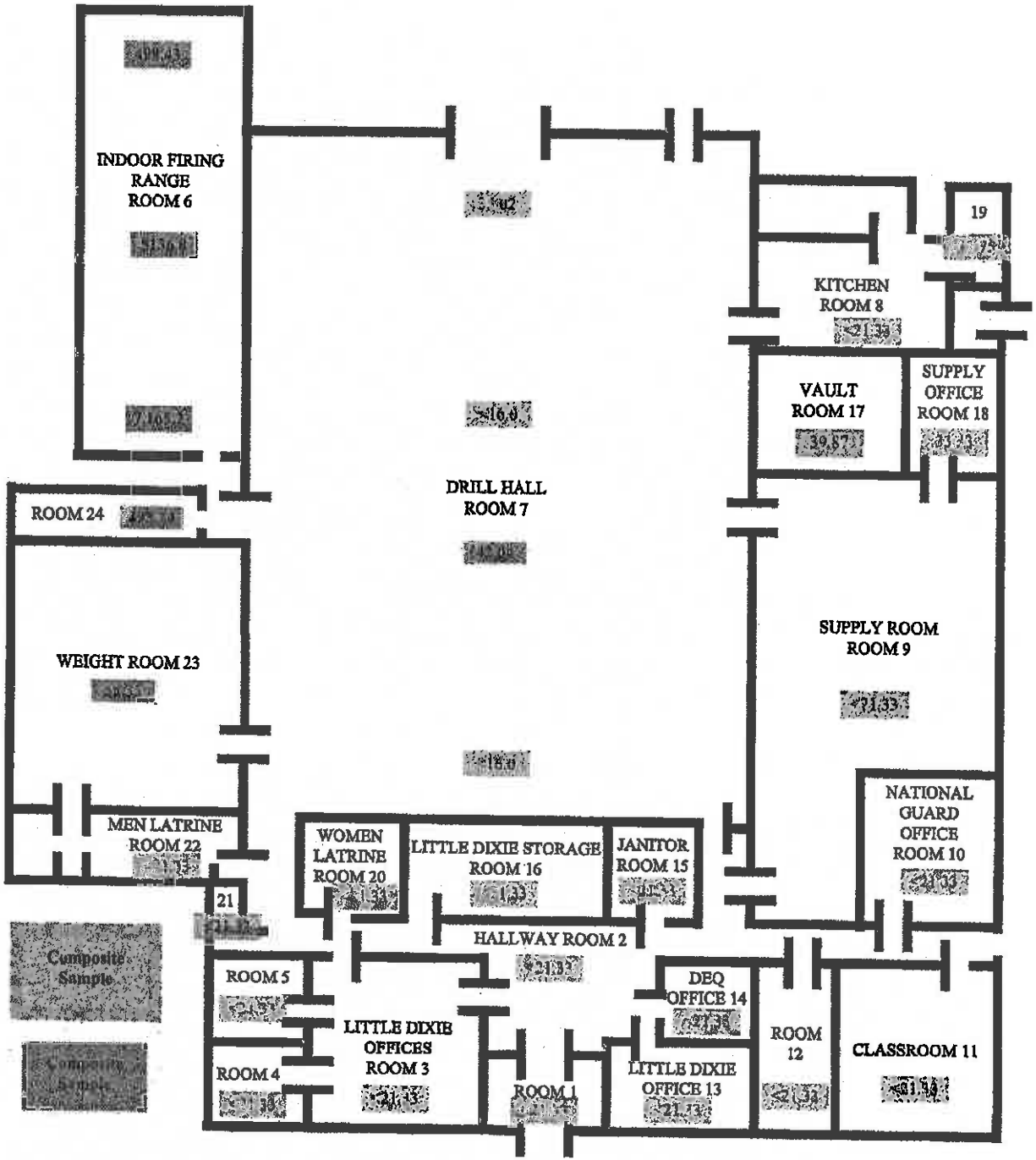
Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

IDABEL ARMORY

SURFACE DUST SAMPLING

N



Department of Environmental Quality

This is to Certify That

MARSHALL ENVIRONMENTAL MANAGEMENT

has met the specifications of the Oklahoma Lead-Based Paint Management Act and is certified as a Lead Based Paint

FIRM

Certification #: OKFIRM11160

This certificate is valid from the date of issuance and expires as prescribed by law.

Issued on: 4/1/2010 Expires on: 3/31/2011

Division Director
Air Quality Division

Environmental Programs Manager
Air Quality Division

Department of Environmental Quality

This is to Certify That

JACOB JONES

has met the specifications of the Oklahoma Lead-Based Paint Management Act and is certified as a Lead-Based Paint

INSPECTOR/RISK ASSESSOR

Certification #: OKRASR13457

This certificate is valid from the date of issuance and expires as prescribed by law.

Issued on: 4/1/2010 Expires on: 3/31/2011

Division Director
Air Quality Division

Environmental Programs Manager
Air Quality Division

ASBESTOS INSPECTION REPORT

IDABEL ARMORY

DCS Contract Number: ID11070-5

03-05-11

Asbestos Inspection

Prepared For:

Oklahoma Department of Environmental Quality

Land Protection Division

707 North Robinson

Oklahoma City, Oklahoma 73102

Prepared By:

Marshall Environmental Management, Inc.

1601 Southwest 89th Street, Suite A-100

Oklahoma City, Oklahoma 73159

TABLE OF CONTENTS

CERTIFICATION

This is to certify that, on March 5, 2011 Marshall Environmental Management, Inc was contracted by the State of Oklahoma, Department of Central Services to conduct an Asbestos Inspection of the Idabel Armory located at 2001 Industrial Parkway in Idabel, Oklahoma for the State of Oklahoma Department of Environmental Quality, Land Protection Division. This Asbestos Inspection was performed by a Licensed, Oklahoma Department of Labor, Asbestos Hazard Emergency Response Act Inspector Jamie Marshall, representative of Marshall Environmental Management, Inc, under the direction of a Licensed, Oklahoma Department of Labor, Asbestos Hazard Emergency Response Act Management Planner Dr. Charles L. Marshall Certified Industrial Hygienist and President of Marshall Environmental Management, Inc. The findings and analytical data resulting from this Asbestos Inspection are believed to accurately, depict the condition(s) and location(s) of material(s) that contains asbestos on the date this Inspection was conducted.

3-30-11

Dr. Charles L. Marshall, CIH, CSP **Date**

Certified Industrial Hygienist - Comprehensive Practice Certification		#4489
Certified Safety Professional - Comprehensive Practice Certification		#9941
Registered Professional Environmental Specialist - State Department of Health		#710
Certified Hazardous Materials Manager, Master Level Certification		#1909
Certified Healthcare Safety Professional, Master Level Certification		#521
EPA AHERA Certifications	Asbestos Inspector	#400517
	Management Planner	#500396
	Project Designer	#2415
ODOL License	Project Designer	#OKMP-0028
	Management Planner	#OKMP-0246
	Asbestos Inspector	#OK-150343

3-30-11

Jamie Marshall, B.S., Industrial Hygiene Associate **Date**

ODOL License	Asbestos Inspector	#OK-158090

LABORATORY ANALYSIS PERFORMED BY

Marshall Environmental Management, Inc.
1601 Southwest 89th Street, A-100
Oklahoma City, OK 73159

IDABEL ARMORY

ASBESTOS INSPECTION

EXECUTIVE SUMMARY

On March 5, 2011, Marshall Environmental Management, Inc. (MEM) completed an Asbestos Inspection of the Idabel Armory so, if necessary, a strategy, which follows the regulations set forth by the Environmental Protection Agency (EPA), may be prepared for the management and/or abatement of Asbestos Containing Materials (ACM). As such, the analytical results correlating with the samples that were collected as part of this Asbestos Inspection did not identify the presence of materials that contain asbestos; therefore, no further actions regarding ACM are required. The remainder of this Report is comprised of the Sampling Strategy and Methodology, the Observations and Findings, the Regulatory Review, Limitations of the Survey and the Appendix to this Report.

SAMPLING STRATEGY AND METHODOLOGY

Each accessible area throughout the Armory was systematically inspected in order to collect samples of building materials suspected of containing asbestos. The sample collection process includes thoroughly documenting the location, condition, classification and the estimated quantity of material(s) suspected of containing asbestos. Suspect ACM that are uniform in color and texture and believed to be applied during the same period are described as "Homogenous." A specified number of samples are collected from a homogenous material and if laboratory analyses determine that the material contains asbestos, the entirety of the homogenous material is considered asbestos containing. The following are examples of the types of materials that were visually inspected and sampled during this Asbestos Inspection:

Surfacing Materials

- Examples include but are not limited to blown on or troweled on surfacing material commonly observed on ceilings, walls or structural steel.

Thermal System Insulation

- Examples include but are not limited to insulation on piping, thermal process or Heating Ventilation and Air Conditioning (HVAC) equipment and components.

Miscellaneous Materials

- Examples include but are not limited to floor and ceiling tiles, mastics, vinyl sheet-flooring, wallboard, wallboard-tape and mud or joint compounds.

"Asbestos Containing Materials" are any materials, which consist of greater than one percent (>1%) asbestos as defined by the EPA Approved Analytical Method: 40 Code of Federal Regulations (CFR) Chapter I, Part 763, Subpart F, Appendix C, referred to as *"Interim Method for determination of Asbestos in Bulk Insulation Samples,"* using Polarized Light Microscopy (PLM), US EPA 600/M4-82-020 1982. Each sample collected was submitted for analysis in accordance with the EPA authorized Method: 600 49 CFR Part 61 Subpart M, Asbestos National Emission Standard for Hazardous Air Pollutants (NESHAP) Rules.

OBSERVATIONS AND FINDINGS

The Idabel Armory is a one-story structure comprised of a brick façade and a flat roof that was constructed on a concrete slab foundation in approximately 1981. The analytical data resulting from the samples that were collected during this Inspection did not discover any materials that contain asbestos. The correlating chain of custody forms and laboratory analysis is provided for your records in the Appendix to this Report.

REGULATORY REVIEW

Prior to 1980 asbestos was commonly utilized during construction in addition to being found in various building materials. In 1994, Occupational Safety and Health Administration (OSHA) required employers to identify ACM in pre-1980 construction as part of its Standard for Occupational Exposure to Asbestos in Construction (29 CFR 1926.1101), this OSHA standard covers maintenance, repair and removal functions involving ACM or Presumed ACM (PACM). Without Asbestos Inspections, owners and/or operators must treat suspected ACM as asbestos. The EPA and the Oklahoma Department Of Labor (ODOL) define an ACM as any material that contains concentrations of asbestos >1%.

The ODOL regulates the Hazard Communication requirements for public employees as part of the ODOL Public Employees Occupational Safety and Health (PEOSH) Program. The State of Oklahoma Hazard Communication Standard (HAZCOM), revised as of August 2006, is provided in the Oklahoma Asbestos Control Act (OAC) 380 Chapter 45: http://www.ok.gov/odol/documents/Asbestos_law_rules.pdf

Specific provisions of the OAC Standard (45-15-1) address asbestos notifications and labeling requirements. The labeling requirements specify that pipe insulation and various equipment insulation that contains asbestos as well as rooms where asbestos is present be identified with an Asbestos Warning Label. The asbestos warning labels are to be readily visible and include the following warning:

DANGER

CONTAINS ASBESTOS FIBERS

AVOID BREATHING DUST

CANCER AND LUNG DISEASE HAZARD

Section 380:45-15-2 requires a notice to employees when ACM are used in acoustical materials on ceilings and walls this type of ACM is referred to as Surfacing Material.

The EPA requires asbestos inspections in school buildings in grades K through 12 as part of the Asbestos Hazard Emergency Response Act (AHERA), which is authorized in 40 CFR 763.6. If asbestos is present within School Facilities grades K-12 an Asbestos Management Plan is required by the Local Educational Authority (LEA) to be in place.

The AHERA sampling protocol addresses the systematic sample collection of all forms of ACM in addition to categorizing ACM materials as friable, that which can be rendered to a powder by hand pressure, Category I or II non-friable. The AHERA Inspection must also evaluate the condition and the potential for disturbance of ACM.

In addition to AHERA, the EPA also regulates commercial asbestos abatement activities. A NESHAP notification is required to be submitted to the ODEQ 10-business day prior to the abatement of ACM whenever the quantities meet or exceed 160-square feet, 260-linear feet or 35-cubic feet. Instruction regarding NESHAP notification requirements and ODEQ compliance are provided on the DEQ website at: http://www.deq.state.ok.us/aqdnew/asbestos/index.htm

Land disposal requirements are also regulated by the EPA through State Landfill Permits. These efforts are now administered by the ODEQ Air Quality and Land Protection regulations. The ODEQ requires the advance filing of a NESHAP notification when any demolition or renovation activities take place. The NESHAP notification process tracks abated ACM to an ODEQ approved landfill on a project-by-project basis.

The ODOL Asbestos Division regulates Asbestos Abatement by implementing the rules that govern the abatement of friable ACM. Under the ODOL asbestos rule, OAC 380:50, only adequately licensed Contractors can perform asbestos abatement, develop management plans and project designs. All abatement supervisors, abatement workers and asbestos inspectors must be licensed by the ODOL. The ODOL Rules are available on the ODOL web site at: http://www.ok.gov/odol/

LIMITATIONS OF SURVEY

This Asbestos Inspection was limited to certain aspects of the building construction these limitations may have restricted or prevented the complete inspection of hidden or inaccessible building materials; therefore, inaccessible building materials were not inspected. Furthermore, locations presenting a hazard to bystanders or the Inspector were not assessed.

The findings resulting from this Inspection are valid as of the date this Asbestos Inspection was performed; however, changes in the conditions of a property may certainly occur with the passage of time whether due to natural processes or the works of man. Additionally, changes in applicable or appropriate standards may also occur possibly resulting from legislation or the expansion of knowledge.

Our Investigation was conducted using the degree of care and skill ordinarily exercised by professional consultants under similar circumstances practicing in this or similar localities. Professional services have been performed; results associated with this Asbestos Inspection were obtained and reported in accordance with generally accepted principles and practices. No other representations either expressed or implied are made; thus, Marshall Environmental Management, Inc. is not responsible for independent conclusions, opinions, or recommendations made by others. It should also be noted that as-built plans were not available for review or use in the planning of this Asbestos Inspection.

APPENDIX

CHAIN OF CUSTODY & ANALYTICAL RESULTS

LICENSES

1601 SW 89th St. Ste. A-100
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Marshall Environmental Management, Inc.
Chain Of Custody

Phone: (405) 616-0401
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marshenv@swbell.net

PROJECT INFORMATION		INVOICE TO		REPORT TO	
Project Id	0022-AB-030511	Client/Company	State of Oklahoma - Department of Central Services	Client/Company	Oklahoma Department of Environmental Quality - Land Protection Division
Project Name	Idabel Armory Asbestos Inspection	Attention Title	Cindy Melton Administrative Programs Director	Attention Title	Dustin Davidson
Project Address	2001 Industrial Parkway Idabel, OK 74745	Invoice To Address	P.O. Box 53448 Oklahoma City, OK 73152-3448	Address	P.O. Box 1677 Oklahoma City, OK 73101
Site Contact	Tina Thomas	Phone Number	405-522-4805	Phone Number	405-702-5115
Phone Number		Fax Number	405-522-0051	Fax Number	
Mobile Number	580-612-8070	Mobile Number		Mobile Number	
email		E-mail Address	[illegible]	E-mail Address	[illegible]

Lab Id	Sample Date	Field Id	Sample Location (Building, Floor, Room)	Specific Sample Area	Sample Matrix	Sample Media	Sample Time	Volume/Area	Units	Analysis/ Parameters
0016	3/5/2011	B-01	Room 14 NW Beige 12x12 Floor Tile		NA	Bulk	NA	NA	NA	AB PLM
0016	3/5/2011	B-02	Room 14 NW Yellow Mastic		NA	Bulk	NA	NA	NA	AB PLM
0016	3/5/2011	B-03	Room 14 NE Beige 12x12 Floor Tile		NA	Bulk	NA	NA	NA	AB PLM
0016	3/5/2011	B-04	Room 14 NE Yellow Mastic		NA	Bulk	NA	NA	NA	AB PLM
0016	3/5/2011	B-05	Room 14 SE Beige 12x12 Floor Tile		NA	Bulk	NA	NA	NA	AB PLM
0016	3/5/2011	B-06	Room 14 SE Yellow Mastic		NA	Bulk	NA	NA	NA	AB PLM
0016	3/5/2011	B-07	Room 8 East Ceiling Tile		NA	Bulk	NA	NA	NA	AB PLM
0016	3/5/2011	B-08	Room 20 Center Ceiling Tile		NA	Bulk	NA	NA	NA	AB PLM
0016	3/5/2011	B-09	Room 4 East Ceiling Tile		NA	Bulk	NA	NA	NA	AB PLM
0016	3/5/2011	B-10	Room 2 Ceiling Tile		NA	Bulk	NA	NA	NA	AB PLM

Collected By	Jamie Marshall	Date	3/5/2011	Relinquished By		Date		Sample Matrix	Sample Media
Received By		Time	13:00			Time		Air	MV MP ST SW TL
		Date		Relinquished By		Date		Aqueous	
		Time				Time		Bulk	
Turn-Around-Time		Condition Upon Receipt		Method of Shipment				Sludge	
X Standard	5-7 Business Days							Soil	
Rush	Next Day	Sample Notes						Solid	
Immediate	Same Day							Page	1 of 5

MV = Micro Vacuum, MP = Mold Plate, ST = Spore Trap, SW = Swab, TL = Tape Lift

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PROJECT INFORMATION	
Project Id	0022-AB-030511
Project Name	Idabel Annory Asbestos Inspection
Project Address	2001 Industrial Parkway Idabel, OK 74745
Site Contact	Tina Thomas
Phone Number	
Mobile Number	580-612-8070
email	

INVOICE TO	
Client/Company	State of Oklahoma - Department of Central Services
Attention	Cindy Melton
Title	Administrative Programs Director
Invoice To Address	P.O. Box 53448 Oklahoma City, OK 73152-3448
Phone Number	405-522-4805
Fax Number	405-522-0051
Mobile Number	
Email Address	Cindy.melton@dcs.ok.gov

REPORT TO	
Client/Company	Oklahoma Department of Environmental Quality - Land Protection Division
Attention	Dustin Davidson
Title	
Address	P.O. Box 1677 Oklahoma City, OK 73101
Phone Number	405-702-5115
Fax Number	
Mobile Number	
E-mail Address	dustin.davidson@deq.ok.gov

Lab Id	Sample Date	Field Id	Sample Location (Room, Floor, etc.)	Specific Sample Area	Sample Matrix	Sample Media	Sample Type	Volume/Area	Unit	Analytical Parameters
0016	3/5/2011	B-11	Room 12 Ceiling Tile		NA	Bulk	NA	NA	NA	AB PLM
0016	3/5/2011	B-12	Room 12 Ceiling Tile		NA	Bulk	NA	NA	NA	AB PLM
0016	3/5/2011	B-13	Room 9 Cove Base		NA	Bulk	NA	NA	NA	AB PLM
0016	3/5/2011	B-14	Room 9 Cove Base Mastic		NA	Bulk	NA	NA	NA	AB PLM
0016	3/5/2011	B-15	Room 14 Cove Base		NA	Bulk	NA	NA	NA	AB PLM
0016	3/5/2011	B-16	Room 14 Cove Base Mastic		NA	Bulk	NA	NA	NA	AB PLM
0016	3/5/2011	B-17	Room 1 Cove Base		NA	Bulk	NA	NA	NA	AB PLM
0016	3/5/2011	B-18	Room 1 Cove Base Mastic		NA	Bulk	NA	NA	NA	AB PLM
0016	3/5/2011	B-19	HVAC TSI Room 16		NA	Bulk	NA	NA	NA	AB PLM
0016	3/5/2011	B-20	HVAC TSI Room 12		NA	Bulk	NA	NA	NA	AB PLM

Collected By	Jamie Marshall	(print)	Date	3/5/2011	Relinquished By		(print)	Date	
		(signature)	Time	13:00			(signature)	Time	
Received By		(print)	Date		Relinquished By		(print)	Date	
		(signature)	Time				(signature)	Time	

Turn-Around-Time		
X	Standard	5-7 Business Days
	Rush	Next Day
	Immediate	Same Day

Condition Upon Receipt:

Sample Notes:

Method of Shipment:

Sample Matrix	Sample Media				
Air	MV	MP	ST	SW	TL
Aqueous	Micro-Vacuum	Mold Plate	Spore Trap	Swab	Tape-Lift
Bulk					
Sludge					
Soil					
Solid					

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PROJECT INFORMATION		INVOICE TO		REPORT TO	
Project Id	0022-AB-030511	Client/Company	State of Oklahoma - Department of Central Services	Client/Company	Oklahoma Department of Environmental Quality - Land Protection Division
Project Name	Idabel Armory Asbestos Inspection	Attention Title	Cindy Melton Administrative Programs Director	Attention Title	Dustin Davidson
Project Address	2001 Industrial Parkway Idabel, OK 74745	Invoice To Address	P.O. Box 53448 Oklahoma City, OK 73152-3448	Address	P.O. Box 1677 Oklahoma City, OK 73101
Site Contact	Tina Thomas	Phone Number	405-522-4805	Phone Number	405-702-5115
Phone Number		Fax Number	405-522-0051	Fax Number	
Mobile Number	580-612-8070	Mobile Number		Mobile Number	
email		E-mail Address	[illegible]	E-mail Address	[illegible]

Lab Id	Sample Date	Field Id	Sample Location (Building, Room, etc.)	Specific Sample Area	Sample Volume	Sample Media	Sample Type		Volume/Area	Unit	Analysis/ Parameters
0016	3/5/2011	B-21	HVAC TSI Room 11		NA	Bulk	Direct Observation	NA	NA	NA	AB PLM
0016	3/5/2011	B-22	Room 3 North Ceiling Tile		NA	Bulk	Direct Observation	NA	NA	NA	AB PLM
0016	3/5/2011	B-23	Room 3 South Ceiling Tile		NA	Bulk	Direct Observation	NA	NA	NA	AB PLM
0016	3/5/2011	B-24	Room 3 Center Ceiling Tile		NA	Bulk	Direct Observation	NA	NA	NA	AB PLM
0016	3/5/2011	B-25	Room 12 North Bed Tape		NA	Bulk	Direct Observation	NA	NA	NA	AB PLM
0016	3/5/2011	B-26	Room 12 North Bed Mud		NA	Bulk	Direct Observation	NA	NA	NA	AB PLM
0016	3/5/2011	B-27	Room 12 North Bed Dry Wall		NA	Bulk	Direct Observation	NA	NA	NA	AB PLM
0016	3/5/2011	B-28	Room 12 South Bed Tape		NA	Bulk	Direct Observation	NA	NA	NA	AB PLM
0016	3/5/2011	B-29	Room 12 South Bed Mud		NA	Bulk	Direct Observation	NA	NA	NA	AB PLM
0016	3/5/2011	B-30	Room 12 South Dry Wall		NA	Bulk	Direct Observation	NA	NA	NA	AB PLM

Collected By	Jamie Marshall	(print)	Date	3/5/2011	Relinquished By	(print)	Date		
		(signature)	Time	13:00		(signature)	Time		
Received By		(print)	Date		Relinquished By	(print)	Date		
		(signature)	Time			(signature)	Time		

Turn-Around-Time			Condition Upon Receipt	Method of Shipment
X	Standard	5-7 Business Days		
	Rush	Next Day	Sample Notes	
	Immediate	Same Day		

Sample Matrix	Sample Media				
Air	MV	MP	ST	SW	TL
Aqueous	Micro-Vacuum	Mold Plate	Spore Trap	Swab	Tape-Lift
Bulk					
Sludge					
Soil					
Solid					

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PROJECT INFORMATION	
Project Id	0022-AB-030511
Project Name	Idabel Armory Asbestos Inspection
Project Address	2001 Industrial Parkway Idabel, OK 74745
Site Contact	Tina Thomas
Phone Number	
Mobile Number	580-612-8070
email	

INVOICE TO	
Client Company	State of Oklahoma - Department of Central Services
Attention	Cindy Melton
Title	Administrative Programs Director
Invoice To Address	P.O. Box 53448 Oklahoma City, OK 73152-3448
Phone Number	405-522-4805
Fax Number	405-522-0051
Mobile Number	
E-mail Address	

REPORT TO	
Client Company	Oklahoma Department of Environmental Quality - Land Protection Division
Attention	Dustin Davidson
Title	
Address	P.O. Box 1677 Oklahoma City, OK 73101
Phone Number	405-702-5115
Fax Number	
Mobile Number	
E-mail Address	

Lab Id	Sample Date	Field Id	Sample Location (Room, Bathroom, etc.)	Specific Sample Area	Sample Matrix	Sample Media	Sample Time		Volume / Area	Unit	Analysis/ Parameters
0016	3/5/2011	B-31	Room 11 North Bed Tape		NA	Bulk	Duplicate	NA	NA	NA	AB PLM
0016	3/5/2011	B-32	Room 11 North Bed Mud		NA	Bulk	Duplicate	NA	NA	NA	AB PLM
0016	3/5/2011	B-33	Room 11 North Dry Wall		NA	Bulk	Duplicate	NA	NA	NA	AB PLM
0016	3/5/2011	B-34	Room 16 Hot Water TSI		NA	Bulk	Duplicate	NA	NA	NA	AB PLM
0016	3/5/2011	B-35	Room 19 Hot Water TSI		NA	Bulk	Duplicate	NA	NA	NA	AB PLM
0016	3/5/2011	B-36	Room 3 Hot Water TSI		NA	Bulk	Duplicate	NA	NA	NA	AB PLM
0016	3/5/2011	B-37	Room 2 South Tan 12x12 Floor Tile		NA	Bulk	Duplicate	NA	NA	NA	AB PLM
0016	3/5/2011	B-38	Room 2 South Yellow Mastic		NA	Bulk	Duplicate	NA	NA	NA	AB PLM
0016	3/5/2011	B-39	Room 2 East Tan 12x12 Floor Tile		NA	Bulk	Duplicate	NA	NA	NA	AB PLM
0016	3/5/2011	B-40	Room 2 East Yellow Mastic		NA	Bulk	Duplicate	NA	NA	NA	AB PLM

Collected By	Jamie Marshall	(print)	Date	3/5/2011	Relinquished By		(print)	Date	
		(signature)	Time	13:00			(signature)	Time	
Received By		(print)	Date		Relinquished By		(print)	Date	
		(signature)	Time				(signature)	Time	

Turn-around-Time			Condition Upon Receipt	Method of Shipment
X	Standard	5-7 Business Days		
	Rush	Next Day	Sample Notes	
	Immediate	Same Day		

Sample Matrix	Sample Media				
Air	MV	MP	ST	SW	TL
Aqueous	Micro-Vacuum	Mold Plate	Spore Trap	Swab	Tape-Lift
Bulk					
Sludge					
Soil					
Solid					

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PROJECT INFORMATION		INVOICE TO		REPORT TO	
Project Id	0022-AB-030511	Client Company	State of Oklahoma - Department of Central Services	Client Company	Oklahoma Department of Environmental Quality - Land Protection Division
Project Name	Idabel Annory Asbestos Inspection	Attention Title	Cindy Melton Administrative Programs Director	Attention Title	Dustin Davidson
Project Address	2001 Industrial Parkway Idabel, OK 74745	Invoice To Address	P.O. Box 53448 Oklahoma City, OK 73152-3448	Address	P.O. Box 1677 Oklahoma City, OK 73101
Site Contact	Tina Thomas	Phone Number	405-522-4805	Phone Number	405-702-5115
Phone Number		Fax Number	405-522-0051	Fax Number	
Mobile Number	580-612-8070	Mobile Number		Mobile Number	
email		E-mail Address	[illegible]	E-mail Address	[illegible]

Lab Id	Sample Date	Field Id	Sample Location (Building, Room No., etc.)	Specific Sample Area	Sample Matrix	Sample Media	Sample Time		Volume/Area	Unit	Analyses Parameters
0016	3/5/2011	B-41	Room 2 West Tan 12x12 Floor Tile		NA	Bulk	Duration (Air Only)	NA	NA	NA	AB PLM
0016	3/5/2011	B-42	Room 2 West Yellow Mastic		NA	Bulk	Duration (Air Only)	NA	NA	NA	AB PLM
0016											
0016											
0016											
0016											
0016											
0016											
0016											
0016											

Collected By	Jamie Marshall	Relinquished By (print)		Date	3/5/2011	Received By (print)		Date		Sample Matrix	Sample Media
Received By		Relinquished By (signature)		Time	13:00	Received By (signature)		Time		Air	MV MP ST SW TL
		Relinquished By (print)		Date		Received By (print)		Date		Aqueous	
		Relinquished By (signature)		Time		Received By (signature)		Time		**Bulk**	
										Sludge	
										Soil	
										Solid	
										Page	5 of 5

Turn-Around-Time					
X	Standard	5-7 Business Days	Condition Upon Receipt		Method of Shipment
	Rush	Next Day	Sample Notes		
	Immediate	Same Day			

Micro-Vacuum | Mold Plate | Spore Trap | Swab | Tape-Lift

Bulk Asbestos Analysis

Marshall Environmental Management, Inc.

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marsheny@swbell.net

PROJECT LOCATION		INVOICE TO		REPORT TO	
Project Id.	0022-AB-030511	Client	State of Oklahoma Department of Central Services Construction & Properties Division	Client	State of Oklahoma Department of Environmental Quality Land Protection Division
Project	Idabel Armory Asbestos Inspection	Attention	Cindy Melton	Attention	Dustin Davidson
Project Address	2001 Industrial Parkway Idabel, OK 74745-2330	Address	P.O. Box 53448 Oklahoma City, OK 73102	Address	P.O. Box 1677 Oklahoma City, OK 73102
Contact	Tina Thomas, City Clerk	Phone	405-5622-4805	Phone	405-702-5115
Phone	580-286-76068	Fax	405-522-0051	Fax	
Cell	580-612-8070	Other		Other	
email	trfoshee63@hotmail.com	email	cindy_melton@dcs.state.ok.us	email	dustin.davidson@deq.ok.gov

LAB LOG NUMBER	DATE OF SAMPLING	SAMPLE DESCRIPTION/LOCATION	SAMPLE COMPOSITION		NO ASBESTOS DETECTED	
0016-030511-PLM-01	March 5, 2011	Beige 12x12 Floor Tile	COLOR	Beige/Tan	100%	Vinyl Aggregate
		Room 14	CONDITION	Good		
		Northwest	TYPE	Miscellaneous		
			NOTE			
0016-030511-PLM-02	March 5, 2011	Yellow Mastic	COLOR	yellow	100%	Adhesive
		Room 14	CONDITION	Good		
		Northwest	TYPE	Miscellaneous		
			NOTE			
0016-030511-PLM-03	March 5, 2011	Beige 12x12 Floor Tile	COLOR	Beige/Tan	100%	Vinyl Aggregate
		Room 14	CONDITION	Good		
		Northeast	TYPE	Miscellaneous		
			NOTE			
0016-030511-PLM-04	March 5, 2011	Yellow Mastic	COLOR	yellow	100%	Adhesive
		Room 14	CONDITION	Good		
		Northeast	TYPE	Miscellaneous		
			NOTE			
0016-030511-PLM-05	March 5, 2011	Beige 12x12 Floor Tile	COLOR	Beige/Tan	100%	Vinyl Aggregate
		Room 14	CONDITION	Good		
		Southeast	TYPE	Miscellaneous		
			NOTE			

Jamie Marshall	Jamie Marshall, B.S., Industrial Hygiene Associate	March 15, 2011
ANALYST NAME (PRINT)	ANALYST SIGNATURE	DATE ANALYZED

Polarized Light Microscopy Asbestos Analysis Test Method:	Lab Accreditation:
40 CFR Chapter I, Part 763, Subpart F, Appendix A, "Interim Method for determination of Asbestos in Bulk Insulation Samples" using Polarized Light Microscopy (PLM), US EPA 600/M4-82-020 1982.	AIHA PAT ID# 102334

Bulk Asbestos Analysis

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PROJECT LOCATION		INVOICE TO		REPORT TO	
Project Id.	0022-AB-030511	Client	State of Oklahoma Department of Central Services Construction & Properties Division	Client	State of Oklahoma Department of Environmental Quality Land Protection Division
Project	Idabel Armory Asbestos Inspection	Attention	Cindy Melton	Attention	Dustin Davidson
Project Address	2001 Industrial Parkway Idabel, OK 74745-2330	Address	P.O. Box 53448 Oklahoma City, OK 73102	Address	P.O. Box 1677 Oklahoma City, OK 73102
Contact	Tina Thomas, City Clerk	Phone	405-5622-4805	Phone	405-702-5115
Phone	580-286-76068	Fax	405-522-0051	Fax	
Cell	580-612-8070	Other		Other	
email	trfoshee63@hotmail.com	email	cindy_melton@dcs.state.ok.us	email	dustin.davidson@deq.ok.gov

LAB LOG NUMBER	DATE OF SAMPLING	SAMPLE DESCRIPTION/LOCATION	SAMPLE COMPOSITION		NO ASBESTOS DETECTED	
0016-030511-PLM-06	March 5, 2011	Yellow Mastic	COLOR	Yellow	100%	Adhesive
		Room 14	CONDITION	Good		
		Southeast	TYPE	Miscellaneous		
			NOTE			
0016-030511-PLM-07	March 5, 2011	Ceiling	COLOR	White	95%	Calcareous Material
		Room 8	CONDITION	Good	5%	Fibrous Glass
		East	TYPE	Miscellaneous		
			NOTE			
0016-030511-PLM-08	March 5, 2011	Ceiling	COLOR	White	95%	Calcareous Material
		Room 20	CONDITION	Good	5%	Fibrous Glass
		Center	TYPE	Miscellaneous		
			NOTE			
0016-030511-PLM-09	March 5, 2011	Ceiling Tile	COLOR	White	95%	Calcareous Material
		Room 4	CONDITION	Good	5%	Fibrous Glass
		East	TYPE	Miscellaneous		
			NOTE			
0016-030511-PLM-10	March 5, 2011	Ceiling Tile	COLOR	Gray	10%	Calcareous Material
		Room 20	CONDITION	Good	40%	Cellulose
			TYPE	Miscellaneous	30%	Fibrous Glass
			NOTE		20%	Perlite

Jamie Marshall	Jamie Marshall, B.S., Industrial Hygiene Associate	March 15, 2011
ANALYST NAME (PRINT)	ANALYST SIGNATURE	DATE ANALYZED

Polarized Light Microscopy Asbestos Analysis Test Method:	Lab Accreditation:
40 CFR Chapter I, Part 763, Subpart F, Appendix A, "Interim Method for determination of Asbestos in Bulk Insulation Samples" using Polarized Light Microscopy (PLM), US EPA 600/M4-82-020 1982.	AIHA PAT ID# 102334

Bulk Asbestos Analysis

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PROJECT LOCATION		INVOICE TO		REPORT TO	
Project Id.	0022-AB-030511	Client	State of Oklahoma Department of Central Services Construction & Properties Division	Client	State of Oklahoma Department of Environmental Quality Land Protection Division
Project	Idabel Armory Asbestos Inspection	Attention	Cindy Melton	Attention	Dustin Davidson
Project Address	2001 Industrial Parkway Idabel, OK 74745-2330	Address	P.O. Box 53448 Oklahoma City, OK 73102	Address	P.O. Box 1677 Oklahoma City, OK 73102
Contact	Tina Thomas, City Clerk	Phone	405-5622-4805	Phone	405-702-5115
Phone	580-286-76068	Fax	405-522-0051	Fax	
Cell	580-612-8070	Other		Other	
email	trfoshee63@hotmail.com	email	cindy_melton@dcs.state.ok.us	email	dustin.davidson@deq.ok.gov

LAB LOG NUMBER	DATE OF SAMPLING	SAMPLE DESCRIPTION/LOCATION	SAMPLE COMPOSITION		NO ASBESTOS DETECTED			
0016-030511-PLM-11	March 5, 2011	Ceiling Tile	COLOR	Gray			10%	Calcareous Material
		Room 12	CONDITION	Good			40%	Cellulose
			TYPE	Miscellaneous			30%	Fibrous Glass
			NOTE				20%	Perlite

LAB LOG NUMBER	DATE OF SAMPLING	SAMPLE DESCRIPTION/LOCATION	SAMPLE COMPOSITION		NO ASBESTOS DETECTED			
0016-030511-PLM-12	March 5, 2011	Ceiling Tile	COLOR	Gray			10%	Calcareous Material
		Room 12	CONDITION	Good			40%	Cellulose
			TYPE	Miscellaneous			30%	Fibrous Glass
			NOTE				20%	Perlite

LAB LOG NUMBER	DATE OF SAMPLING	SAMPLE DESCRIPTION/LOCATION	SAMPLE COMPOSITION		NO ASBESTOS DETECTED			
0016-030511-PLM-13	March 5, 2011	Cove Base	COLOR	Brown			100%	Rubber
		Room 9	CONDITION	Good				
			TYPE	Miscellaneous				
			NOTE					

LAB LOG NUMBER	DATE OF SAMPLING	SAMPLE DESCRIPTION/LOCATION	SAMPLE COMPOSITION		NO ASBESTOS DETECTED			
0016-030511-PLM-14	March 5, 2011	Cove Base Mastic	COLOR	Yellow			100%	Adhesive
		Room 9	CONDITION	Good				
			TYPE	Miscellaneous				
			NOTE					

LAB LOG NUMBER	DATE OF SAMPLING	SAMPLE DESCRIPTION/LOCATION	SAMPLE COMPOSITION		NO ASBESTOS DETECTED			
0016-030511-PLM-15	March 5, 2011	Cove Base	COLOR	Brown			100%	Rubber
		Room 14	CONDITION	Good				
			TYPE	Miscellaneous				
			NOTE					

Jamie Marshall	Jamie Marshall, B.S., Industrial Hygiene Associate	March 15, 2011
ANALYST NAME (PRINT)	ANALYST SIGNATURE	DATE ANALYZED

Polarized Light Microscopy Asbestos Analysis Test Method:	Lab Accreditation:
40 CFR Chapter I, Part 763, Subpart F, Appendix A, "Interim Method for determination of Asbestos in Bulk Insulation Samples" using Polarized Light Microscopy (PLM), US EPA 600/M4-82-020 1982.	AIHA PAT ID# 102334

Bulk Asbestos Analysis

Marshall Environmental Management, Inc.

1601 Southwest 890th Street, Suite A-100
Oklahoma City, OK 73159
Phone: (405) 616-0401 Fax: (405) 681-6753
marshenv@swbell.net

PROJECT LOCATION		INVOICE TO		REPORT TO	
Project Id.	0022-AB-030511	Client	State of Oklahoma Department of Central Services Construction & Properties Division	Client	State of Oklahoma Department of Environmental Quality Land Protection Division
Project	Idabel Armory Asbestos Inspection	Attention	Cindy Melton	Attention	Dustin Davidson
Project Address	2001 Industrial Parkway Idabel, OK 74745-2330	Address	P.O. Box 53448 Oklahoma City, OK 73102	Address	P.O. Box 1677 Oklahoma City, OK 73102
Contact	Tina Thomas, City Clerk	Phone	405-5622-4805	Phone	405-702-5115
Phone	580-286-76068	Fax	405-522-0051	Fax	
Cell	580-612-8070	Other		Other	
email	trfoshee63@hotmail.com	email	cindy_melton@dcs.state.ok.us	email	dustin.davidson@deq.ok.gov

LAB LOG NUMBER	DATE OF SAMPLING	SAMPLE DESCRIPTION/LOCATION	SAMPLE COMPOSITION		NO ASBESTOS DETECTED	
0016-030511-PLM-16	March 5, 2011	Cove Base Mastic	COLOR	Yellow	100%	Adhesive
		Room 14	CONDITION	Good		
			TYPE	Miscellaneous		
			NOTE			
LAB LOG NUMBER	DATE OF SAMPLING	SAMPLE DESCRIPTION/LOCATION	SAMPLE COMPOSITION		NO ASBESTOS DETECTED	
0016-030511-PLM-17	March 5, 2011	Cove Base	COLOR	Brown	100%	Rubber
		Room 1	CONDITION	Good		
			TYPE	Miscellaneous		
			NOTE			
LAB LOG NUMBER	DATE OF SAMPLING	SAMPLE DESCRIPTION/LOCATION	SAMPLE COMPOSITION		NO ASBESTOS DETECTED	
0016-030511-PLM-18	March 5, 2011	Cove Base Mastic	COLOR	Yellow	100%	Adhesive
		Room 1	CONDITION	Good		
			TYPE	Miscellaneous		
			NOTE			
LAB LOG NUMBER	DATE OF SAMPLING	SAMPLE DESCRIPTION/LOCATION	SAMPLE COMPOSITION		NO ASBESTOS DETECTED	
0016-030511-PLM-19	March 5, 2011	HVAC Thermal System Insulation	COLOR	Yellow	100%	Fibrous Glass
		Room 16	CONDITION	Good		
			TYPE	Thermal System Insulation		
			NOTE			
LAB LOG NUMBER	DATE OF SAMPLING	SAMPLE DESCRIPTION/LOCATION	SAMPLE COMPOSITION		NO ASBESTOS DETECTED	
0016-030511-PLM-20	March 5, 2011	HVAC Thermal System Insulation	COLOR	Yellow	100%	Fibrous Glass
		Room 12	CONDITION	Good		
			TYPE	Thermal System Insulation		
			NOTE			

Jamie Marshall	Jamie Marshall, B.S., Industrial Hygiene Associate	March 15, 2011
ANALYST NAME (PRINT)	ANALYST SIGNATURE	DATE ANALYZED

Polarized Light Microscopy Asbestos Analysis Test Method:
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Cell	580-612-8070	Other		Other	
email	trfoshee63@hotmail.com	email	cindy_melton@dcs.state.ok.us	email	dustin.davidson@deq.ok.gov

LAB LOG NUMBER	DATE OF SAMPLING	SAMPLE DESCRIPTION/LOCATION	SAMPLE COMPOSITION		NO ASBESTOS DETECTED			
0016-030511-PLM-21	March 5, 2011	HVAC Thermal System Insulation Room 11	COLOR	Yellow			100%	Fibrous Glass
			CONDITION	Good				
			TYPE	Thermal System Insulation				
			NOTE					
LAB LOG NUMBER	DATE OF SAMPLING	SAMPLE DESCRIPTION/LOCATION	SAMPLE COMPOSITION		NO ASBESTOS DETECTED			
0016-030511-PLM-22	March 5, 2011	Ceiling Tile Room 3 North	COLOR	White			100%	Styrofoam
			CONDITION	Good				
			TYPE	Miscellaneous				
			NOTE					
LAB LOG NUMBER	DATE OF SAMPLING	SAMPLE DESCRIPTION/LOCATION	SAMPLE COMPOSITION		NO ASBESTOS DETECTED			
0016-030511-PLM-23	March 5, 2011	Ceiling Tile Room 3 South	COLOR	White			100%	Styrofoam
			CONDITION	Good				
			TYPE	Miscellaneous				
			NOTE					
LAB LOG NUMBER	DATE OF SAMPLING	SAMPLE DESCRIPTION/LOCATION	SAMPLE COMPOSITION		NO ASBESTOS DETECTED			
0016-030511-PLM-24	March 5, 2011	Ceiling Tile Room 3 Center	COLOR	White			100%	Styrofoam
			CONDITION	Good				
			TYPE	Miscellaneous				
			NOTE					
LAB LOG NUMBER	DATE OF SAMPLING	SAMPLE DESCRIPTION/LOCATION	SAMPLE COMPOSITION		NO ASBESTOS DETECTED			
0016-030511-PLM-25	March 5, 2011	Bedding-Tape Room 12 North	COLOR	White			93%	Calcareous Matcrial
			CONDITION	Good			7%	Cellulose
			TYPE	Miscellaneous				
			NOTE					

Jamie Marshall	Jamie Marshall, B.S., Industrial Hygiene Associate	March 15, 2011
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Lab Accreditation:
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Cell	580-612-8070	Other		Other	
email	trfoshee63@hotmail.com	email	cindy_melton@dcs.state.ok.us	email	dustin.davidson@deq.ok.gov

LAB LOG NUMBER	DATE OF SAMPLING	SAMPLE DESCRIPTION/LOCATION	SAMPLE COMPOSITION		NO ASBESTOS DETECTED	
0016-030511-PLM-26	March 5, 2011	Bedding-Mud	COLOR	White	100%	Cellulose
		Room 12	CONDITION	Good		
		North	TYPE	Miscellaneous		
			NOTE			
0016-030511-PLM-27	March 5, 2011	Drywall	COLOR	White	100%	Cellulose
		Room 12	CONDITION	Good		
		North	TYPE	Surfacing		
			NOTE			
0016-030511-PLM-28	March 5, 2011	Bedding-Tape	COLOR	White	93%	Calcareous Material
		Room 12	CONDITION	Good	7%	Cellulose
		South	TYPE	Miscellaneous		
			NOTE			
0016-030511-PLM-29	March 5, 2011	Bedding-Mud	COLOR	White	100%	Cellulose
		Room 12	CONDITION	Good		
		South	TYPE	Miscellaneous		
			NOTE			
0016-030511-PLM-30	March 5, 2011	Drywall	COLOR	White	100%	Calcareous Material
		Room 12	CONDITION	Good		
		South	TYPE	Surfacing		
			NOTE			

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Polarized Light Microscopy Asbestos Analysis Test Method:	Lab Accreditation:
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email	trfoshee63@hotmail.com	email	cindy_melton@dcs.state.ok.us	email	dustin.davidson@deq.ok.gov

LAB LOG NUMBER	DATE OF SAMPLING	SAMPLE DESCRIPTION/LOCATION	SAMPLE COMPOSITION		NO ASBESTOS DETECTED	
0016-030511-PLM-31	March 5, 2011	Bedding-Tape	COLOR	White	93%	Calcareous Material
		Room 11	CONDITION	Good	7%	Cellulose
		North	TYPE	Miscellaneous		
			NOTE			
0016-030511-PLM-32	March 5, 2011	Bedding-Mud	COLOR	White	100%	Cellulose
		Room 11	CONDITION	Good		
		North	TYPE	Miscellaneous		
			NOTE			
0016-030511-PLM-33	March 5, 2011	Dry Wall	COLOR	White	100%	Calcareous Material
		Room 11	CONDITION	Good		
		North	TYPE	Surfacing		
			NOTE			
0016-030511-PLM-34	March 5, 2011	hot Water Thermal System Insulation	COLOR	Yellow	100%	Fibrous Glass
		Room 16	CONDITION	Good		
			TYPE	Miscellaneous		
			NOTE			
0016-030511-PLM-35	March 5, 2011	hot Water Thermal System Insulation	COLOR	Yellow	100%	Fibrous Glass
		Room 19	CONDITION	Good		
			TYPE	Thermal System Insulation		
			NOTE			

Jamie Marshall	Jamie Marshall, B.S., Industrial Hygiene Associate	March 15, 2011
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Polarized Light Microscopy Asbestos Analysis Test Method:
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email	trfoshee63@hotmail.com	email	cindy_melton@dcs.state.ok.us	email	dustin.davidson@deq.ok.gov

LAB LOG NUMBER	DATE OF SAMPLING	SAMPLE DESCRIPTION/LOCATION	SAMPLE COMPOSITION		NO ASBESTOS DETECTED	
0016-030511-PLM-36	March 5, 2011	Hot Water Thermal System Insulation	COLOR	Yellow	100%	Fibrous Glass
		Room 3	CONDITION	Good		
			TYPE	Thermal System Insulation		
			NOTE			
0016-030511-PLM-37	March 5, 2011	Tan 12x12 Floor Tile	COLOR	Tan/Beige	100%	Vinyl Aggregate
		Room 2	CONDITION	Good		
			TYPE	Miscellaneous		
			NOTE			
0016-030511-PLM-38	March 5, 2011	Yellow Mastic	COLOR	Yellow	100%	Adhesive
		Room 2	CONDITION	Good		
		South	TYPE	Miscellaneous		
			NOTE			
0016-030511-PLM-39	March 5, 2011	Tan 12x12 Floor Tile	COLOR	Tan/Beige	100%	Vinyl Aggregate
		Room 2	CONDITION	Good		
		East	TYPE	Miscellaneous		
			NOTE			
0016-030511-PLM-40	March 5, 2011	Yellow Mastic	COLOR	Yellow	100%	Adhesive
		Room 2	CONDITION	Good		
		East	TYPE	Miscellaneous		
			NOTE			

Jamie Marshall	Jamie Marshall, B.S., Industrial Hygiene Associate	March 15, 2011
ANALYST NAME (PRINT)	ANALYST SIGNATURE	DATE ANALYZED

Polarized Light Microscopy Asbestos Analysis Test Method:
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email	trfoshee63@hotmail.com	**email**	cindy_melton@dcs.state.ok.us	**email**	dustin.davidson@deq.ok.gov

LAB LOG NUMBER	DATE OF SAMPLING	SAMPLE DESCRIPTION/LOCATION	SAMPLE DESCRIPTION		NO ASBESTOS DETECTED	
0016-030511-PLM-41	March 5, 2011	Tan 12x12 Floor Tile	COLOR	Tan/Beige	100%	Vinyl Aggregate
		Room 2	CONDITION	Good		
		West	TYPE	Miscellaneous		
			NOTE			

LAB LOG NUMBER	DATE OF SAMPLING	SAMPLE DESCRIPTION/LOCATION	SAMPLE DESCRIPTION		NO ASBESTOS DETECTED	
0016-030511-PLM-42	March 5, 2011	Yellow Mastic	COLOR	Yellow	100%	Adhesive
		Room 2	CONDITION	Good		
		West	TYPE	Miscellaneous		
			NOTE			

LAB LOG NUMBER	DATE OF SAMPLING	SAMPLE DESCRIPTION/LOCATION	SAMPLE COMPOSITION	
			COLOR	
			CONDITION	
			TYPE	
			NOTE	

LAB LOG NUMBER	DATE OF SAMPLING	SAMPLE DESCRIPTION/LOCATION	SAMPLE COMPOSITION	
			COLOR	
			CONDITION	
			TYPE	
			NOTE	

LAB LOG NUMBER	DATE OF SAMPLING	SAMPLE DESCRIPTION/LOCATION	SAMPLE COMPOSITION	
			COLOR	
			CONDITION	
			TYPE	
			NOTE	

ANALYST NAME (PRINT)	ANALYST SIGNATURE	DATE ANALYZED
Jamie Marshall	Jamie Marshall, B.S., Industrial Hygiene Associate	March 15, 2011

Polarized Light Microscopy Asbestos Analysis Test Method: 40 CFR Chapter I, Part 763, Subpart F, Appendix A, "Interim Method for determination of Asbestos in Bulk Insulation Samples" using Polarized Light Microscopy (PLM), US EPA 600/M4-82-020 1982.	Lab Accreditation: AIHA PAT ID# 102334

FEE: $500.00

Oklahoma Department of Labor

Charles Marshall

has filed in the office of the Commissioner of Labor of the State of Oklahoma
an application for a Limited Asbestos Contractor's license for

AHERA MANAGEMENT PLANNER

Now, therefore, The Commissioner of Labor of the State of Oklahoma, by virtue of
the power vested in him by law hereby issues to the
applicant license **No. OK-MP130246.**

Lloyd L Fields

LLOYD L. FIELDS
Commissioner of Labor

July 14, 2010
Date of Issuance

EXPIRES: June 30, 2011

FEE: $25.00

Oklahoma Department of Labor

Jamie Marshall

has filed in the office of the Commissioner of Labor of the State of Oklahoma
an application for a Limited Asbestos Contractor's license for

AHERA INSPECTOR

Now, therefore, The Commissioner of Labor of the State of Oklahoma, by virtue of
the power vested in him by law hereby issues to the
applicant license **No. OK158090.**

Lloyd L Fields

I.LOYD L. FIELDS
Commissioner of Labor

June 03, 2010
Date of Issuance

EXPIRES: June 02, 2011

SCOPES OF WORK

SCOPE OF WORK FOR REMEDIATION OF LEAD

Lead Remediation in Idabel Armory

Addenda #1 – Summary of Changes

Clarifications and Changes –

1. All items in IFR shall be cleaned, removed and properly disposed.

2. Peg board on south wall of IFR shall be cleaned, removed and properly disposed.

3. All boards on ceiling shall be cleaned, removed, and properly disposed.

4. Glue on walls and ceiling shall be scraped smooth with wall prior to painting.

5. Once surfaces are below 200 ug/SF in the IFR, floors shall be sealed with KM-669 Acrylic Sealer and walls and ceiling shall be painted with a neutral colored primer and encapsulated with DEQ approved elastomeric encapsulant. A list of DEQ approved Lead-Based Paint Encapsulants is located in Attachment 3 of the Scope of Work.

6. The items located in the floor of the Weight Room (Room 23) shall have dust removed and then be moved to a location on the Drill Floor that already had the floors cleaned.

STATEMENT OF WORK
For
Remediation of Lead Contamination at the Idabel Armory

The Oklahoma Department of Environmental Quality (DEQ) is requesting bids from qualified bidders for remediation services at a former National Guard armory located in Idabel, Oklahoma. This statement of work (SOW) describes the remediation of lead contaminated dust throughout the building. This work must be performed to provide for safe re-use of the facility with unrestricted use such as storage areas, classrooms, or office space. A mandatory site visit and walk through will be held to give a better understanding of the site. A floor plan map of the Idabel Armory is attached for review (**Attachment 1**).

The building is located at 2001 Industrial Parkway, Idabel, Oklahoma. The building **does** have available water and electricity to use during remediation.

SPECIAL PROVISIONS:

1. Work Schedule: The Contractor shall schedule all work to be complete within thirty (30) calendar days after date of the written "Notice to Proceed".
    a. A pre-construction meeting shall be held at the site after the Notice to Proceed date to review Scope of Work and answer any questions the contractor may have.
    b. All on-site work shall be completed by the Contractor five (5) days prior to the scheduled contract completion date, with the remaining five (5) days utilized for final inspection and correction of all deficiencies.
2. Conditions of Work: The following conditions of work will apply in accomplishment of this contract:
    a. All work shall be performed in accordance with all applicable State and Federal regulations.
    b. The contractor shall perform this work in such a manner as to cause a minimum of interruption to normal work being performed in the contract area.
    c. Coordination of work areas shall be scheduled with DEQ.
    d. Disposal of Removed Materials: All materials removed by the Contractor under this contract shall be disposed of in accordance with State and Federal regulations. DEQ will sign as generator, if necessary.

CONTRACTOR SHALL:

- Attend mandatory pre-bid meeting and site walk through;
- Posses a current lead-based paint firm license and have a certified lead-based paint supervisor in order to perform lead-based paint abatement;
- Follow all appropriate OSHA requirements;
- Read Guidelines for Rehabilitation and Conversion of Indoor Firing Ranges, November 3, 2006, Departments of the Army and Air Force, National Guard Bureau (**Attachment 5**), and refer to this document as a reference and guideline for remediating IFR lead contamination.
- Follow OSHA Lead in Construction Interim Final Standard (29 CFR 1926.62) for lead-based paint abatement, indoor firing range remediation, and lead dust remediation;

Submit With Bid:

- Copy of lead-based paint firm license;
- Copy of lead-based paint supervisor license;
- Three references with name, type of project, phone number, and location of similar work in the last three years.

Submit After Contract Award:

- A Work Plan with planned activities and schedule to DEQ for approval;

SEQUENCE OF EVENTS

The remediation of the building shall be as follows:

1. First – The Indoor Firing Range (IFR) shall be cleaned.
2. Second – The floors of the entire building shall be cleaned.
3. Third – DEQ shall be contacted to perform third party confirmation sampling to confirm indoor firing range (IFR) and all floors have been appropriately remediated.

LEAD DUST REMEDIATION INSTRUCTIONS

See Lead-Based Paint Inspection and Settled Dust Sampling Report for details (**Attachment 4**)

1. Indoor Firing Range (IFR)

The IFR is a long narrow room where the Oklahoma Military Department would target practice with weapons. The IFR is to be cleaned by removal of all lead contaminated materials, including removal of all removable acoustical tiles and lead contaminated dust and other lead containing particulates on the floor, walls, and ceiling of the IFR.

- **Pre-remediation Preparation**
  - To ensure cross contamination does not occur, use engineering controls such as:
    - Sealing openings with 6 mil poly sheeting to contain dust inside IFR;
    - Covering floor of area outside IFR with 6 mil poly sheeting to make sure not to track lead dust into clean areas;
    - Securing IFR at the end of the work day. At no time shall the IFR be accessible for unauthorized entry without the contractor present;
  - When inside IFR wear appropriate personal protective equipment (See **Attachment 2**).

- **Water Removal**
    - All wash water from the building shall be filtered through a 1 micron filter and stored on site in containers;
    - The wash water will be sampled for total lead and total phosphorus; Total lead shall be run by ICP and total phosphorus shall be run by EPA Method 365.3;
    - Sample results shall be submitted to DEQ to determine if wash water can be disposed at the local Waste Water Treatment Facility;
    - Wash water shall be disposed appropriately.

- **Pre-remediation Removal**
    - Decontaminate all items to be removed from the IFR, wrap in poly sheeting, and properly dispose.
        - Items such as acoustical tiles or other porous materials shall be HEPA vacuumed, washed, and sampled for TCLP. Acoustical tile will have 3 – five part composite samples taken. All other materials shall have 1 – five part composite sample taken of each material. If samples pass TCLP then properly dispose. If any samples fail TCLP, dispose of that item as hazardous waste.

- **Remediation**
    - HEPA vacuum and wet wash walls, floor, ceiling, vent fan, and other structures that are contaminated;
    - If acoustical tile cannot be removed from the ceiling, tiles shall be HEPA vacuumed, wet washed, and then sealed with DEQ approved lead-based paint encapsulant (**Attachment 3**);
    - Dispose lead contaminated dust, wash water, and appropriate cleaning materials as hazardous waste or as appropriate (See section 3. Disposal of Materials for detailed information).

- **Post-remediation**
    - All post-remediation sampling shall be performed by DEQ. The Contractor shall provide DEQ a minimum of five (5) calendar days prior notice to perform sampling. See Section C (Confirmation and Clearance Sampling) for contact information;
    - Post remediation sampling is required to confirm the IFR has been remediated to 200 micrograms per square foot (ug/SF);
        - Areas above 200 ug/SF shall be re-cleaned and re-tested until results are at or below 200 ug/SF;

    - If surfaces of the IFR cannot be cleaned and DEQ determines that these surfaces contain imbedded lead fragments, construction grout shall be used over these surfaces.
        - Surfaces shall be thoroughly cleaned;
        - BASF Acryl 60 or DEQ approved equivalent shall be applied to surfaces according to manufacturer's specifications. Specifications are attached (Attachment 4);

- BASF Construction Grout or DEQ approved equivalent shall be applied (sprayed or troweled) to surfaces according to manufacturer's specifications. Specifications are attached (**Attachment 3**).

- Once the IFR has been remediated to 200 ug/SF, seal the floor, ceiling, and walls with appropriate sealant;
  - Floor, ceiling, and walls will be sealed with KM-669 Acrylic Sealer or equivalent. Specifications attached (**Attachment 3**);
  - IFR area will have forced air applied to room 4 days after sealer is applied. This will be done to remove all vapors from the area;
- After surfaces are sealed, the Contractor shall provide DEQ a minimum of five (5) calendar days prior notice to perform post remediation wipe sampling to confirm the IFR has been remediated to 40 ug/SF;
- Areas above 40 ug/SF shall be cleaned to remove lead dust from sealed surface. Once cleaned, the area shall be retested to confirm area has been remediated to 40 ug/SF;
- All re-testing of previously failed areas shall be performed by DEQ. Contractor shall provide DEQ a minimum of five (5) calendar day's prior notice to perform sampling.
- The chart below summarizes the clearance numbers for the indoor firing range. All lead wipe samples must be at or below these numbers in order for the room to be considered clean.

Post Remediation	Post Sealant
200 ug/SF	40 ug/SF

2. Remaining Building

Lead Dust Remediation (See Attachment 4)

- Surfaces above the floors such as walls, shelves, etc. may have accumulated dust that has settled. This accumulation shall be removed prior to the cleaning of the floors. This shall be done to prevent recontamination of the floors after they are cleaned.

- Floors of the entire building shall require lead dust remediation;
  - Remove dust from all equipment, shelving, trash, etc, and remove these items from room before remediation begins;
  - Remove dust from all carpet, remove carpet from rooms, and dispose of all carpet as non-hazardous waste before lead dust remediation of floor begins;
  - Dispose any materials, determined by the DEQ to be trash, as non-hazardous waste;
  - HEPA vacuum and wet wash floors of entire building;
    - Lead levels on the floor are high in many areas of the building and lead contaminated dust may be ground into the pores and cracks of the concrete. It may be necessary to clean floors several times or use alternate cleaning methods after HEPA vacuuming and wet washing to remove the lead dust from the

concrete and get the lead levels down to 40 micrograms per square foot (ug/SF).

- Contact DEQ to perform post remediation wipe sampling to confirm that room floors with lead contamination have been appropriately remediated to 40 micrograms per square foot (ug/SF). See Section C (Confirmation and Clearance Sampling) for additional information;
- Areas above 40 ug/SF shall be re-cleaned and re-tested until results are at or below 40 ug/SF;
- Lead dust and appropriate cleaning materials shall be disposed as appropriate.
- Wash Water Disposal
  - All wash water from the building shall be filtered through a 1 micron filter and stored on site in containers;
  - The wash water will be sampled for total lead and total phosphorus; Total lead shall be run by ICP and total phosphorus shall be run by EPA Method 365.3;
  - Sample results shall be submitted to DEQ to determine if wash water can be disposed at the local Waste Water Treatment Facility;
  - Wash water shall be disposed appropriately.

3. Disposal of Materials

Hazardous Waste

- Lead contaminated sand shall be disposed as hazardous waste;
- Lead contaminated dust from the cleaning of the IFR and remaining building shall be disposed as hazardous waste;
- Wash water filters shall be disposed as hazardous waste;
- Mop heads, towels, brushes, wipes, and other cleaning supplies shall be disposed as hazardous waste;

Other

- Poly Sheeting shall be disposed as appropriate. If contractor plans to dispose as non-hazardous waste, best management practices such as vacuuming, washing, wiping down, or cleaning poly sheeting prior to disposal shall be implemented.
- Personal protective equipment (gloves, tyvec, face masks, etc.) shall be disposed as appropriate.

4. Confirmation and Clearance Sampling

- Contractor may use his own lab to check progress of remediation, however all DEQ decisions shall be based on analytical data from samples taken by DEQ.
- DEQ will be responsible for taking all post remediation samples.
- DEQ shall be notified five (5) days prior to each sampling event.

- Contact Information: DEQ
  Contact: Dustin Davidson
  Phone: (405) 702-5115

- The third-party sampling shall not be included in the contractors base bid;

- All post remediation sampling done outside the indoor firing range will be performed after all initial abatement, remediation, and cleaning is complete.

- The chart below summarizes the clearance numbers for the building. All lead wipe samples shall be at or below these numbers in order for these areas to be considered clean.

IFR Post Remediation	IFR Post Sealant	Room Floors
200 ug/SF	40 ug/SF	40 ug/SF

5. FINAL REPORT

- Write final report and submit to DEQ;

- Final report shall include:
  - A detailed summary of work including any warranties and data;
  - copy of post remediation sampling report;
  - waste manifests (if any); and
  - photo documentation of work;
    - Photo documentation of work will have color digital photos with captions describing photo;

- Final report will be submitted in hard copy and electronically on disc.

OWNER REPRESTATIVE

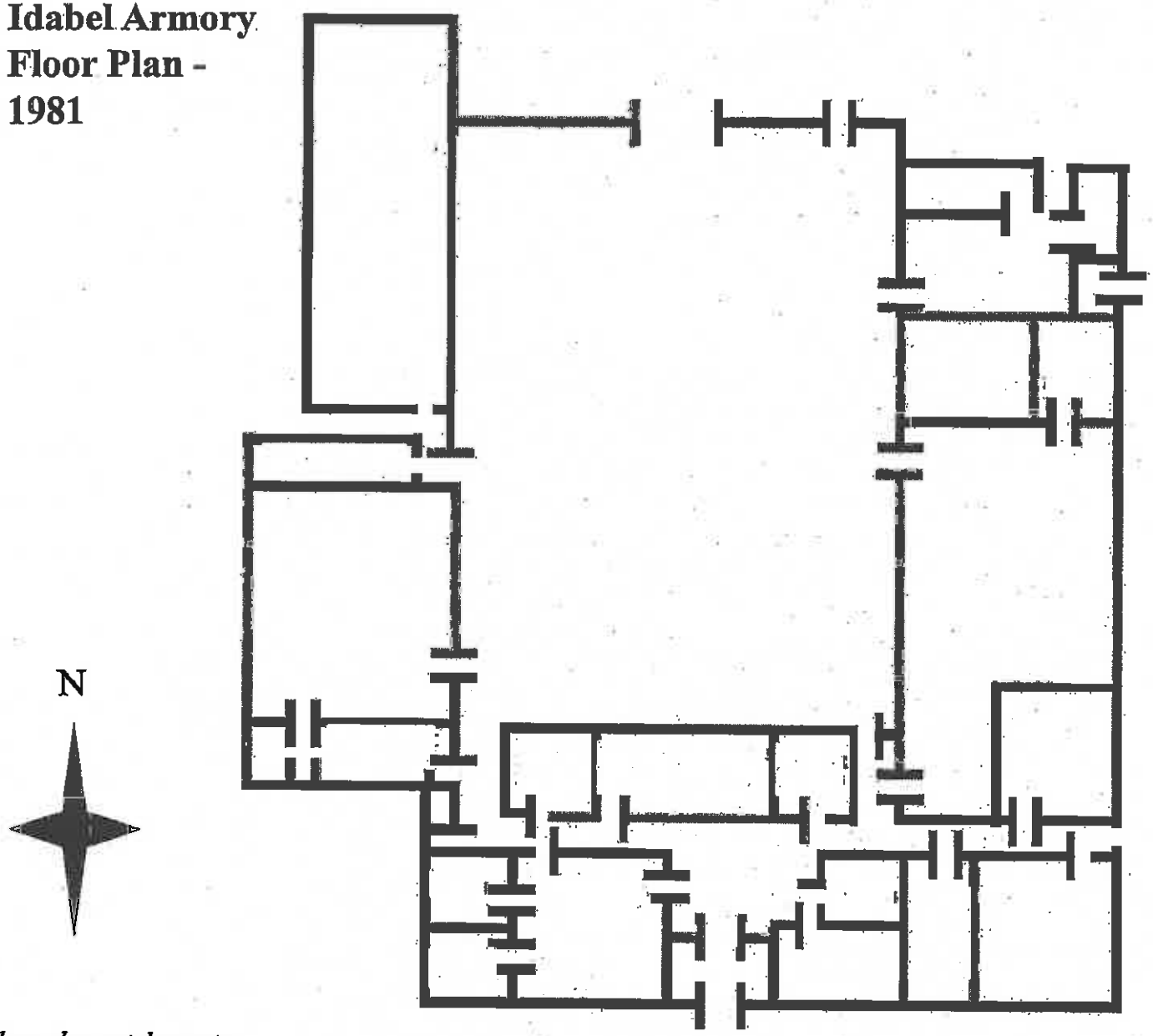
Owner's Representative: Dustin Davidson
Oklahoma Department of Environmental Quality
Land Protection Division
707 N. Robinson
Oklahoma City, OK 73102

Phone Numbers:
(405) 702-5115 (Office)
(405) 702-5101 (Fax)
E-Mail: Dustin.Davidson@deq.ok.gov

ATTACHMENT 1

Floor Plan Map

Idabel Armory
Floor Plan -
1981

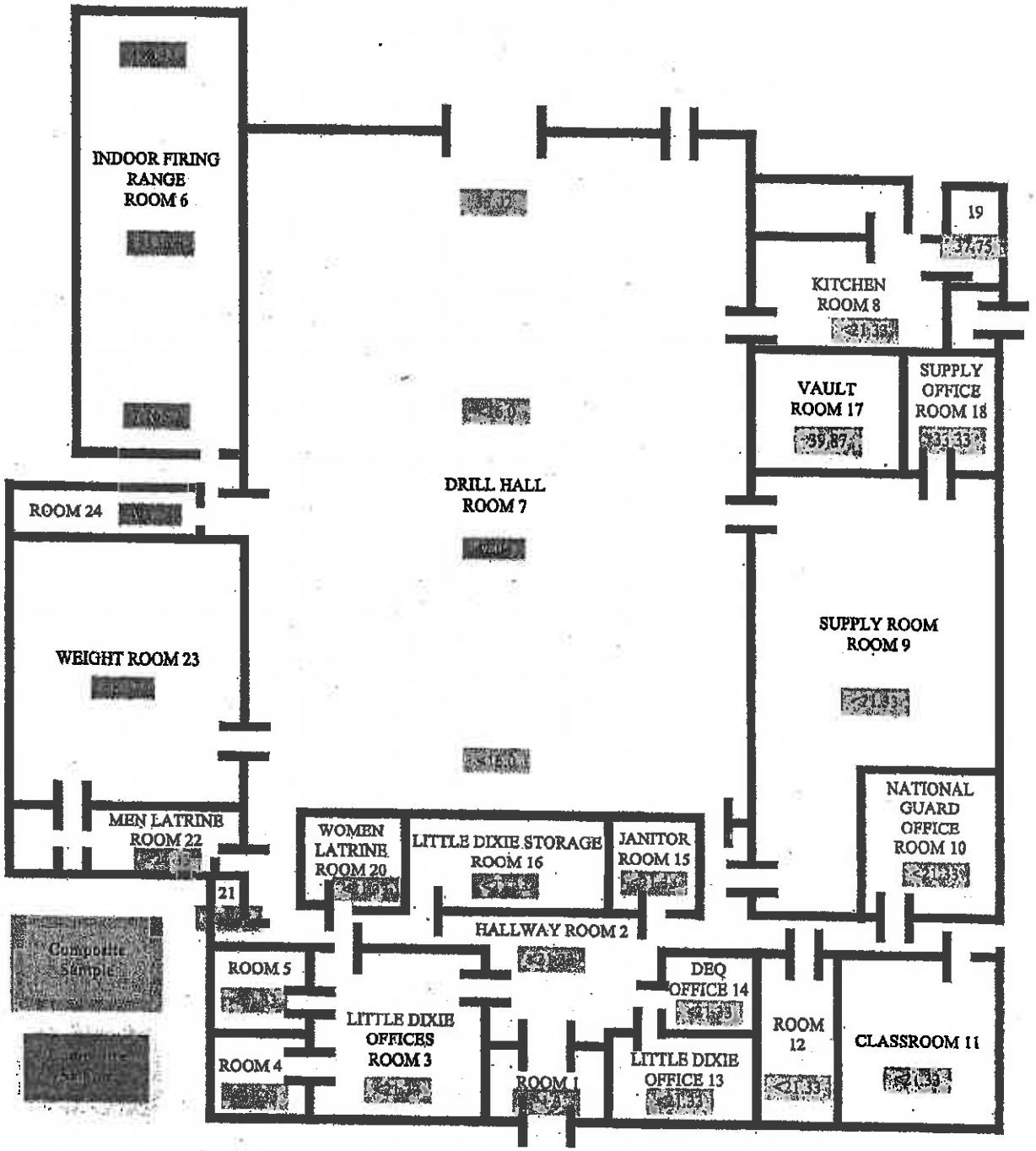


Floor plan not drawn to scale

IDABEL ARMORY

SURFACE DUST SAMPLING

N



ATTACHMENT 2

Health & Safety Aspects to Consider

Health & Safety Aspects to Consider

Project Goal: To ensure that former National Guard Armories are free of lead dust. Specifically, indoor firing ranges (IFR's) and other areas that contain lead contamination.

Please Note: the following information is from the Departments of the Army and the Air Force, National Guard Bureau, Guidelines and Procedures for Rehabilitation and Conversion of Indoor Firing Ranges (**Attachment 4**).

Health and Medical Aspects

Health Effects

29 Code of Federal Regulations (CFR) 1910.1025, Appendix A, identifies lead as a highly toxic metal. Elemental lead is indestructible and common in the environment. Lead can enter the body by inhalation (breathing) or ingestion (eating). In addition, lead is a cumulative poison. It accumulates in the blood, bones, and organs, including the kidneys, brain and liver. Effects include nervous and reproductive system disorders, delays in neurological and physical development, cognitive and behavioral changes, and hypertension. Symptoms include loss of appetite, difficulty sleeping, irritability, fatigue, headache, and inability to concentrate. It can stay in the bones for decades. Worker awareness and training are important to ensure that employees can recognize the symptoms of exposure and get prompt medical attention.

Medical Surveillance for occupational Exposure to Lead

a. 29 CFR 1910.1025(j)(i-ii), Medical Surveillance - General: "The employer shall institute a medical surveillance program for all employees who are or may be exposed above the action level for more than 30 days per year. The employer shall assure all medical examinations and procedures are performed by or under the supervision of a licensed physician."

b. The DOD 6055.5-M, Occupational Medical Surveillance Manual - Table 2-I lists medical surveillance criteria for employees "who are or may be exposed above the action level for 30 days/year."

Personal Protective Equipment

29 CFR 1910.1025(f)(2),for housekeeping and rehabilitation the employer shall select respirators from among those approved for protection against dust, fume, and mist by the National Institute for Occupational Safety and Health (NIOSH), under the provision of 42 CFR part 84. The employer shall institute a respiratory protection program in accordance with 29 CFR 1910.134(b), (d), (e), and (f). As a minimum, personnel conducting the decontamination of the range shall be provided with the following personal protective equipment.

a. Under 29 CFR 1910.1025 (g). For employees engaged in range rehabilitation and/or range conversion, the employer shall provide at no cost to the employee, and ensure that the employee uses appropriate protective work clothing and equipment such as, but not limited to:

(1) Protective coveralls with hood and shoe covers or disposable Tyvek ™ full body suit.

(2) Disposable rubber gloves; and disposable shoe coverlets (If necessary).

(3) Full-face air purifying respirator with P-100 cartridges.

b. The employer shall provide the clothing required in a clean and dry condition at least daily to employees engaged in the conversion of IFRs.

c. The employer shall provide for the cleaning, laundering, or disposal of used or contaminated protective clothing and equipment.

d. The employer shall assure that all protective clothing is removed at the completion of a work shift only in areas designated for that purpose (Change Areas or Change Rooms).

e. The employer shall ensure that contaminated protective clothing that is to be cleaned, laundered, or disposed of, is placed in a closed container in the change area that seals sufficiently enough to prevent dispersion of lead dust.

f. The employer shall further inform in writing any person who cleans or launders protective clothing or equipment of the potentially harmful effects of exposure to lead.

g. The employer shall ensure that the containers of contaminated protective clothing and equipment are labeled as follows: CAUTION: *CLOTHING CONTAMINATED WITH LEAD. DO NOT REMOVE DUST BY BLOWING OR SHAKING. DISPOSE OF LEAD CONTAMINATED WASH WATER IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, OR FEDERAL REGULATIONS.*

Education, Maintenance, Cleaning and Conversion

Worker Education

a. 29 CFR 1910.1025, Appendix 13, requires an information and training program for **all employees exposed** to lead above the action level **or** who may suffer skin or eye irritation from lead. The program must inform the employees of the specific hazards associated with their work environment, protective measures which can be taken, the danger of lead to their bodies (including their reproductive systems), and their rights under the standard. In addition you must make readily available to all employees, including those exposed below the action level, a copy of this standard and its appendices. This training program shall be repeated annually for personnel in range cleanup operations.

b. The supervisor shall ensure that each individual employee is informed of the following:

(1) The content of the standard and its appendices.

(2) The specific nature of operations that could result in exposure to lead above the action level.

(3) The purpose, proper selection, fitting, use, and limitations of respirators.

(4) The purpose and a description of medical surveillance program.

(5) Eating and drinking are prohibited in lead contaminated areas.

(6) Smoking and smoking materials shall not be permitted in contaminated areas.

(7) Employees must wash their hands and other exposed skin whenever they leave the work area.

(8) The engineering controls and work practices associated with the individual's job assignment.

(9) The contents of any compliance plan in effect.

(10) Instructions to employees that chelating agents should not routinely be used to remove lead from their bodies and should not be used at all except under the direction of a licensed physician.

REFERENCES

Section 1 Required Publications

There are no entries in this section

Section II Related Publications

ASTM E1792-03
Standard Specification for Wipe Sampling Materials for Lead in Surface Dust

AR 11-34
The Respiratory Protection Program

AR 40-5
Preventive Medicine

DODI 6055.5
Industrial Hygiene and Occupational Health

DOD 6055.5-M
Occupational Medical Surveillance Manual

29 CFR, Part 1910
Occupational Safety and Health Administration, Department of Labor

National Institute for Occupational Safety and Health (NIOSH) 76-130
Lead Exposure and Design Considerations for Indoor Firing Ranges, Department of Health, Education and Welfare

NGR 385-15
Policy and Responsibilities for Inspection, Evaluation and Operation Army National Guard National Guard Indoor Firing Ranges (IFRs).

NGR 415-5
Army National Guard Military Construction Program Development and Execution

NGR 420-10
Construction and Facilities Management Office Operations

Technical Manual, 5th Edition
Occupational Safety and Health Administration, Department of Labor Section III

ATTACHMENT 3

DEQ Approved Lead-Based Paint Encapsulants List

Sealant and Encapsulant Specifications

Lead-Based Paint Encapsulants approved by DEQ

Encapsulant Manufacturer	Encapsulant Product(s)
Coronado Paint Company	LEAD BLOCK™
Dumond Chemicals	LEAD STOP™
Dynacraft Industries, Inc.	Back to Nature Protect-A-Coat
Encap Systems Corporation	EncapSeal™ I
Encap Systems Corporation	EncapSeal™ II
Fiberlock Technologies, Inc.	Child GUARD interior/exterior
Fiberlock Technologies, Inc.	L-B-C® Type III
Global Encasement, Inc.	LeadLock™
Grace Construction Products	Lead Seal®
Grace Construction Products	Barrier Coat® II
Insl-x Products Corporation	INSL-CAP™
SAFE Encasement Systems	SE-120 Protective Skin
Specification Chemicals, Inc.	NU-WAL® #2500 Coating

KELLY-MOORE PAINTS

INDUSTRIAL COATINGS

HIGH PERFORMANCE SYSTEMS

KM-669

Acrylic Sealer

THIS PRODUCT MAY NOT BE AVAILABLE IN SOME AREAS DUE TO VOC REGULATIONS
Contact your Kelly-Moore representative for more information

Product Description
A one component, solvent borne, high gloss, clear acrylic sealer designed for use on concrete, masonry, and brick. Dustproofs concrete by penetrating surface pores leaving a tough, durable film.

Performance Features

- Non-Yellowing
- Excellent Adhesion to Concrete
- Good Water & Salt Chemical Resistance
- Good Abrasion Resistance
- Can be Sprayed, Padded or Rolled

Product Specifications

Resin Type	Acrylic
Color Range	Clear
Finish	High Gloss
Drying Time	8 hours to recoat
Practical Coverage	250-450 Sq. Ft. / Gallon
Recommended Dry Film Thickness	1.2 -2.2 mils per coat
Solids By Volume	35%
Sizes	Five gallon pails
V.O.C.	560 Grams per liter
Clean Up	KM-S-74 or KM-SA-50

Surface Preparation

WARNING! If you scrape, sand or remove old paint from any surface, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Carefully clean up with a wet mop or HEPA vacuum. Before you start, find out how to protect yourself and your family by contacting the U.S. EPA/Lead Information Hotline at 1-800-424-LEAD (5323) or log on to www.epa.gov/lead.

Surface Preparation:
Remove all dirt, grease, oil, soil, chemical contaminants, and other matter. Allow surface to dry.

Application Procedure:
When mixing, use an EXPLOSION PROOF SLOW SPEED DRILL WITH A JIFFY MIXER. Apply a uniform wet film, do not puddle material. Do not cover more area than can be worked in 10 minutes due to fast dry time. When spraying, use a low pressure machine. Two coats may be necessary depending on porosity or type of service.

For safety and product curing, proper ventilation is necessary throughout application and cure.

Dry Times: 8 hours

See Precautions and Limited Warranty next page

KM-669 (cont.)

Precautions
KM-669 is Flammable. KM-669 contains flammable solvents. Keep away from all sources of ignition during mixing, application, and cure. In confined areas, provide adequate forced air ventilation. The use of goggles, fresh air masks or NIOSH approved respirators, protective skin cream and protective clothing is a recommended standard practice when spraying coatings

Proper Disposal
For proper disposal of excess material, please contact your local city or county waste management agency.

Limited Warranty: The statements made on this bulletin, product labels or by any of our agents concerning this material are given for information only. They are believed to be true and accurate and are intended to provide a guide to approved construction practices and materials. As workmanship, weather, construction equipment, quality of other materials and other variables affecting results are all beyond our control, Kelly-Moore Paint Company, Inc., does not make nor does it authorize any agent or representative to make any warranty of MERCHANTABILITY OR FITNESS for any purpose or any other warranty, guarantee or representation, expressed or implied, concerning this material except that it conforms to Kelly-Moore's quality control standards. Any liability whatsoever of Kelly-Moore Paint Company, Inc. to the buyer or user of this product is limited to the purchaser's cost of the product itself.

SEE MATERIAL SAFETY DATA SHEETS FOR FULL SAFETY PRECAUTIONS.

KM-669 IS FOR PROFESSIONAL USE ONLY

KM-669 IS FOR INDUSTRIAL USE ONLY

KEEP AWAY FROM CHILDREN

MATERIAL SAFETY DATA SHEET

For Coatings, Resins & Related Materials

Section I

Manufactured For: Kelly-Moore Paints
Address: 987 Commercial Street
San Carlos, CA 94070

Prep Date: 07/28/06

Emergencies Involving Spills, Leaks, Fires, Exposure, Or Accident Contact
Chemtrec: 1-800-424-9300

Product Class: Acrylic Lacquer Sealer
Trade Name: KM-669 CLEAR
H.M.I.S. Codes: H F R P
2 * 3 0 -

Information Phone: 1-888-677-2468

Section II - HAZARDOUS INGREDIENTS

Ingredient	C.A.S.#	Weight Percent	Occupt. Exposure Limits OSHA PEL	ACGIH TLV	Vapor Pressure mm Hg & Temp.F	
Acrylic Resins	Mixture	30-40	Not Established		Not Determined	
*Xylene	1330-20-7	40-50	100 ppm	100 ppm	6.1	68
*Ethyl Benzene	100-41-4	15-20	100 ppm	100 ppm	7.1	68

*Indicates toxic chemical(s) subject to reporting requirements of Section 313 of Title III and of 40 CFR 372.

Section III - PHYSICAL DATA

Boiling Range (Deg. F): 240°
Evaporation Rate: Slower than Ether
Percent Volatile By Volume: 70 ± 3%

Vapor Density: Heavier than air

Weight Per Gallon (lbs.): 7.75 ± .25

Section IV - FIRE & EXPLOSION HAZARD DATA

Flash Point (Deg. F): 80°

Lower Explosive Limit: 1.0

Extinguishing Media: Foam, alcohol foam, CO2, dry chemical, water spray

OSHA Flammability Classification: Flammable Liquid IC

Special Firefighting Procedures: Wear a NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Use water to keep fire exposed containers cool. Water may be ineffective as an extinguishing agent.

Unusual Fire & Explosion Hazards: Vapors are heavier than air and may travel along the ground or be moved by ventilation to ignition sources at locations distant from material handling point. Pressure may build up in containers and create an explosion hazard.

KM-669 CLEAR

Section V - HEALTH HAZARD DATA

THIS PRODUCT IS FLAMMABLE

Effects Of Overexposure:
Eyes: Irritation, burning, tearing and redness.
Skin: Moderate irritation or defatting of skin upon prolonged or repeated contact.
Ingestion: Abdominal pain, nausea, vomiting and diarrhea.
Inhalation: Excessive exposure to vapors can cause headache, dizziness, uncoordination, nausea and loss of consciousness.

Emergency & First Aid Procedures:
Eyes: Flush with water for 15 minutes.
Skin: Remove contaminated clothing, wash skin with soap and water.
Ingestion: Do not induce vomiting. Get medical attention immediately.
Inhalation: Move to fresh air, aid breathing if necessary.

In all cases, consult a physician for best treatment.

Chemical listed as carcinogen or potential carcinogen:
NTP: No IARC: No OSHA: No

Section VI - REACTIVITY DATA

Stability: Product Stable
Conditions to Avoid: All sources of ignition
Incompatibility (Materials to Avoid): Oxidizing agents, strong acids & bases
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, nitrogen oxides and organic compounds.
Hazardous Polymerization: Will Not Occur

Section VII - SPILL OR LEAK PROCEDURES

Steps To Be Taken In Case Material Is Released Or Spilled: Dike spill area. Absorb spill with inert absorbent material. Place in sealed metal containers for proper disposal.

Waste Disposal Method: Dispose of in accordance with local, state and federal regulations.

Section VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use a NIOSH/MSHA jointly approved respirator
Ventilation: Use mechanical ventilation
Protective Gloves: Neoprene or rubber
Eye Protection: Chemical splash goggles
Other Protective Equipment: Protective clothing, barrier cream, eye bath, safety shower

Section IX - SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling & Storing: Store in dry area. Keep away from open flames and high temperatures.
Other Precautions: Minimize contact. Avoid breathing vapors. Practice good industrial hygiene and safe working practices.

State and Local Regulations
California Proposition 65
This product contains the following substances known to the State of California to cause cancer, birth defects or other reproductive hazards: Benzene, Toluene.

BASF

The Chemical Company

PRODUCT DATA

3 03 01 00 Maintenance of Concrete

ACRYL 60®

Water-based acrylic bonding and modifying admixture

Description

Acryl 60® is an acrylic-polymer emulsion mixed with Portland cement mortars, plasters, stucco, and concrete mixes to enhance their physical properties, adhesion to substrates, and durability.

Packaging

1 quart (0.9 L) bottles

1 gallon (3.8 L) bottles

5 gallon (18.9 L) pails

30 gallon (113.5 L) drums

55 gallon (208 L) drums

Color

Milky white

Shelf Life

1 year when properly stored

Storage

Transport and store in unopened containers between 40 and 100° F (4 and 38° C). Protect from freezing.

Features	Benefits
• Acrylic polymer	Significantly improves adhesion, cohesion, tensile, compressive, and flexural strengths of cement-based materials
• Excellent chemical and UV resistance	Promotes long-lasting repairs
• Improved freeze/thaw stability of Portland cement-based materials	Suitable for cold climate applications
• Stable	Will not re-emulsify when exposed to water

Where to Use

APPLICATION

- Cement-based mixes to improve their adhesion, and durability
- As gauging liquid for Thoro® waterproofing and repair products, such as Thoroseal® and Thoro®
- Walkways
- Ramps and structural beams

LOCATION

- Interior or exterior
- Above or below grade

SUBSTRATE

- Columns

How to Apply

Surface Preparation

1. The methods required for preparation will vary depending on the end product to be applied and the site and substrate conditions.

2. In all cases the surface must be clean and sound. Remove all loose and disintegrated material. Remove any and all traces of oil, grease, dirt, dust, efflorescence, biological, mold or mildew, and release or curing agents.

3. Vacuum, sweep, or blow out the areas to be patched with clean, oil-free air.

CONCRETE/CMU/MASONRY SURFACES

Predampen the area to be patched or coated with potable water to a saturated surface-dry (SSD) condition. Do not leave standing water on surface. Proper surface preparation and cleanliness are extremely important.

OTHER SURFACES

For other surface preparation guidelines, refer to the specific Thoro® product data guide for information.

Mixing

1. The normal ratio of Acryl 60® to clean potable water is 1 part Acryl 60® to 3 parts water (1 to 3). Where increased physical and chemical resistance are required, increase the Acryl 60® content in the mixing liquid to a 1 to 2 or 1 to 1 Acryl 60® to water ratio (see chart above).

2. Always mechanically mix. Do not overmix or mix at a high speed.

Thoro

Technical Data

Composition

Acryl 60® is an acrylic-polymer emulsion.

Typical Properties

PROPERTY	VALUE
Density, lbs/gal (kg/L), Lab Method	8.65 (1.04)
Solids content, by volume, %, Lab Method	28
Maximum water dilution, Parts Acryl 60® to H_2O, Lab Method	1:3

Test Data

The following properties are for sand/cement mortar samples:

PROPERTY	RESULTS		TEST METHODS
	With Water	With 1 to 1 Acryl 60® and Water	
Compressive strength, psi (MPa) 28 days	3,800 (26.2)	4,500 (31)	ASTM C 109
Tensile strength, psi (MPa) 28 days	225 (1.5)	350 (2.4)	ASTM C 190
Flexural strength, psi (MPa) 28 days	1,000 (6.9)	1,800 (12.4)	ASTM C 348
Freeze/thaw durability	11 at 98 cycles	102 at 300 cycles	Method A

Test results are averages obtained with laboratory conditions at 70° F (21° C) and 50% R. Reasonable variations can be expected.

Mixing Ratios

APPLICATION	RATIO
For scrub coats applied before patching or overlays	Use straight Acryl 60®
To improve the adhesion properties of plaster, mortars and to reduce cracking in cement plaster	Use 1 part Acryl 60® to 3 parts water
For large overlays or topping	Use 2 parts Acryl 60® to 1 part water
For bonding cement plaster no thicker than 1/4 – 3/8" (6 – 10 mm)	Use 1 part Acryl 60® to 3 parts water

NOTE: The above ratios are for normal conditions. Where bonding is more critical, increase the Acryl 60® content of the mixing liquid.
A TEST PATCH IS ALWAYS RECOMMENDED.

For detailed application instructions for Thoro® products, see specific product data sheets.

Application

SAND/CEMENT MORTAR

1. Thoroughly mix all cement and sand first. The sand must be clean, free of clay, and dry.
2. Make up mixing liquid from a 1 to 3 or 1 to 2 Acryl 60® water ratio depending upon requirements.
3. Slowly add the mixing liquid to the cement/sand mixture and mix with a slow-speed mixer for 1 – 2 minutes to avoid entrapping air. After preparing, cleaning, and predampening the surface, brush apply a scrub coat (not diluted) of the Acryl 60®-modified cement/sand. Scrub vigorously into the surface to displace any air pockets.
4. Place the mix into the scrub-coated repair area while the scrub coat is still wet or tacky. Place the mix and avoid overtroweling. The trowel should be cleaned frequently, kept wet, and used with minimal pressure.
5. Maximum time for placement should not exceed 20 minutes. Higher air and surface temperatures will decrease working and placement time.

Curing

1. When rapid drying is expected due to high temperatures, rapid air movement, or wind, it is recommended that the surface be covered with wet burlap to retain moisture.
2. For normal use, allow a 24-hour curing period.
3. For heavy wheeled traffic, allow a 4-day curing period.

Clean Up

Clean all tools and equipment immediately with water. Cured material may be removed by mechanical means only.

For Best Performance

- Do not use Acryl 60® modified mixes when the ambient air or surface temperature is below 40° F (4° C) or when the temperature is expected to fall below 40° F (4° C) within 24 hours. High relative humidity, excessive moisture, and low temperatures will retard the curing of Acryl 60® modified mixes.
- Do not use with air-entrained cement mixes or with air-entraining admixtures.
- Do not overmix or aerate mixes.
- Use with proper ventilation.
- Do not use Acryl 60® as a surface-applied external bonding agent or as a primer.
- Do not expose cement-based mixes modified with Acryl 60® to water immersion service for a minimum of 24 hours at 73° F (23° C).
- Not recommended for exposure to soft water or immersion where contact with water-treatment chemicals is present without a protective top coat.
- Caution should be used when a highly solvent material is being used over a base system that contains Acryl 60®.
- Make certain the most current versions of product data sheet and MSDS are being used; call Customer Service (1-800-433-9517) to verify the most current version.
- Proper application is the responsibility of the user. Field visits by BASF personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

Health and Safety

ACRYL 60®

Caution

Acryl 60® contains no hazardous ingredients as defined by 29 CFR 1910.1200 WHMIS.

Risks

May cause skin, eye or respiratory irritation. Ingestion may cause irritation.

Precautions

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Keep container closed when not in use. DO NOT take internally. Use only with adequate ventilation. Use impervious gloves, eye protection and if the TLV is exceeded or used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable Federal, state and local regulations.

First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes. In case of skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. Remove and wash contaminated clothing. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs or if swallowed, SEEK IMMEDIATE MEDICAL ATTENTION.

Proposition 65

This product contains material listed by the state of California as known as to cause cancer, birth defects, or other reproductive harm.

VOC Content

1 g/L or 0.01 lbs/gal less water and exempt solvents.

For medical emergencies only, call ChemTrec (1-800-424-9300).

BASF Construction Chemicals, LLC – Building Systems

889 Valley Park Drive
Shakopee, MN, 55379

www.BuildingSystems.BASF.com

Customer Service 800-433-9517
Technical Service 800-243-6739

BASF

The Chemical Company

PRODUCT DATA

03 62 13 Non-Metallic Non-Shrink Grouting

CONSTRUCTION GROUT

General construction, mineral-aggregate nonshrink grout

Description

Construction Grout is a noncatalyzed, multi-purpose construction grout containing mineral aggregate.

Yield

One 50 lb (22.7 kg) bag of Construction Grout mixed with 1.15 gallons (4.35 L) of water (flowable mix) provides approximately 0.45 ft³ (0.013 m³) of mixed grout.

Packaging

50 lb (22.7 kg) multi-wall paper bags

Color

Concrete gray when cured

Shelf Life

1 year when properly stored

Storage

Store in unopened bags under clean, dry conditions.

Features	Benefits
• Concrete gray color (after curing)	• Blends in with surrounding concrete
• No organic accelerators, including chlorides or other salts	Will not corrode reinforcing steel
• Can be extended with clean, well-graded coarse aggregate	• Fills large voids without additional mix water
• Hardens free of bleeding when properly placed	Provides high effective bearing area for proper support and load transfer

Where to Use

APPLICATION

- Normal loads for columns and baseplates
- Bedding grout for precast panels
- Repairing of cavities resulting from ineffective concrete consolidation
- Caulking concrete pipe
- Backfilling, underpinning foundations, and pressure grouting of slabs needing alignment
- General construction applications
- Damp pack applications

LOCATION

- Interior or exterior

How to Apply

Application

For aggregate extension guidelines refer to Appendix MB-10: Guide to Cementitious Grouting.

Mixing

By using the minimum amount of water to provide the desired workability, maximum strength will be achieved. Whenever possible, mix the grout with a mechanical mixer. Either a mortar mixer or an electric drill with a paddle device is acceptable. Put the measured amount of water into the mixer, add grout, then mix till a uniform consistency is attained. Do not use water in an amount or a temperature that will cause bleeding or segregation.

Curing

Cure all exposed grout shoulders by wet curing for 24 hours and by applying a recommended curing compound compliant with ASTM C 309 or preferably ASTM C 1315.

For Best Performance

- Contact your local representative for a pre-job conference to plan the installation.
- Construction Grout is designed for the 50 to 90° F (10 to 32° C) application temperature range. Consult your BASF representative when applying outside this range. Use cold and hot weather concreting practices (ACI 305 and ACI 306) when grouting within 10° F (6° C) of these minimum and maximum temperature ranges.
- To ensure optimum performance of Construction Grout, place at a plastic or flowable consistency and at ambient temperatures of 50° F (10° C) and above.
- For best results, allow a minimum of 1" (25 mm) vertical clearance under baseplates when placing Construction Grout.
- Do not use Construction Grout where it will come in contact with steel designed for stresses above 80,000 psi (552 MPa). Use Masterflow® 816, Masterflow® 1205, or Masterflow® 1341 post-tensioning cable grouts.

Technical Data

Composition

Construction Grout is a noncatalyzed hydraulic cement-based grout containing mineral aggregate.

Compliances

- CRD C 621 and ASTM C 1107, Grade C, at flowable or plastic consistency
- City of Los Angeles Research Report Number RR 23137

Typical Properties

Mixed Grout Data* (Flowable Mix)

PROPERTY	VALUE
Approximate Water, gal (L)	1.15 (4.35)
Initial set, hrs, at 70° F (21° C)	6
Final set, hrs, at 70° F (21° C)	8

*At a constant percent of water, consistency will vary with temperature. Final set takes place at approximately 8 hours at a flowable consistency and 70° F (21° C).

Test Data

PROPERTY	RESULTS	TEST METHODS
Flow, %, 5 drops	126 – 145	ASTM C230
Volume change, %, flowable consistency, after 28 days	0.08	ASTM C 1090
Compressive strength, psi (MPa)		ASTM C 942, according to ASTM C 1107

	Consistency Flowable[1]	Plastic[2]	Stiff[3] (damp pack)
1 day	1,500 (10)	—	—
3 days	5,000 (34.5)	6,000 (41.4)	8,000 (55.2)
7 days	6,000 (41.3)	7,000 (48.3)	9,500 (65.5)
28 days	7,000 (48.0)	8,500 (58.6)	10,000 (69.0)

[1] 140% flow on flow table, ASTM C 230, 5 drops in 3 seconds
[2] 100% flow on flow table, ASTM C 230, 5 drops in 3 seconds
[3] 40% flow on flow table, ASTM C 230, 5 drops in 3 seconds
Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

- Do not add plasticizers, accelerators, retarders, or other additives unless advised in writing by BASF Technical Services.
- The surface to be grouted should be clean, strong, and roughened to CSP 5 – 9 according to ICRI Guideline 03732 to permit proper bond. For freshly placed concrete, consider using Liquid Surface Etchant (see Form No. 1020198).
- Do not place Construction Grout in lifts greater than 6" (152 mm) unless the product is extended with aggregate to dissipate hydration heat.
- Where precision alignment and severe service, such as heavy loading, rolling, or impact resistance are required, use metallic-reinforced, noncatalyzed Embeco® 885 grout. If the amount of impact resistance needed is not great enough to require metallic reinforcement, use natural-aggregate, Masterflow® 928.
- The water requirement may vary with mixing efficiency, temperature, and other variables.
- The concrete surfaces should be saturated (ponded) with clean water for 24 hours before grouting. Remove water immediately before application.
- Make certain the most current versions of product data sheet and MSDS are being used; call Customer Service (1-800-433-9517) to verify the most current versions.
- Proper application is the responsibility of the user. Field visits by BASF personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

Health and Safety

CONSTRUCTION GROUT

WARNING!

Construction Grout contains silica, crystalline quartz; portland cement; limestone; calcium oxide; gypsum; silica, amorphous.

Risks

Product is alkaline on contact with water and may cause injury to skin or eyes. Ingestion or inhalation of dust may cause irritation. Contains small amount of free respirable quartz which has been listed as a suspected human carcinogen by NTP and IARC. Repeated or prolonged overexposure to free respirable quartz may cause silicosis or other serious and delayed lung injury.

Precautions

Avoid contact with skin, eyes and clothing. Prevent inhalation of dust. Wash thoroughly after handling. Keep container closed when not in use. DO NOT take internally. Use only with adequate ventilation. Use impervious gloves, eye protection and if the TLV is exceeded or used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable Federal, state and local regulations.

First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes. In case of skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. Remove and wash contaminated clothing. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs or if swallowed, SEEK IMMEDIATE MEDICAL ATTENTION.

Waste Disposal Method

This product when discarded or disposed of is not listed as a hazardous waste in federal regulations. Dispose of in a landfill in accordance with local regulations. For additional information on personal protective equipment, first aid, and emergency procedures, refer to the product Material Safety Data Sheet (MSDS) on the job site or contact the company at the address or phone numbers given below.

Proposition 65

This product contains material listed by the State of California as known to cause cancer, birth defects or other reproductive harm.

VOC Content

0 g/L or 0 lbs/gal less water and exempt solvents.

For medical emergencies only, call ChemTrec (1-800-424-9300).

BASF Construction Chemicals, LLC – Building Systems
889 Valley Park Drive
Shakopee, MN, 55379
www.BuildingSystems.BASF.com
Customer Service 800-433-9517
Technical Service 800-243-6739

Form No. [illegible]
Printed on recycled paper including 10% post consumer fiber.

FINAL ABATEMENT REPORTS

LEAD CONTAMINATION ABATEMENT REPORT

FINAL REPORT

DCS PROJECT NO. 12121

IDABEL ARMORY

LEAD REMEDIATION

INDEX

Summary of work

Remediation of Idabel Armory:

Work was initiated in the Indoor Firing Range upon arrival. The ceiling, walls and floor were HEPA vacuumed, wet mopped and, when cleared, the floor was sealed and the room was secured to prevent re-contamination.

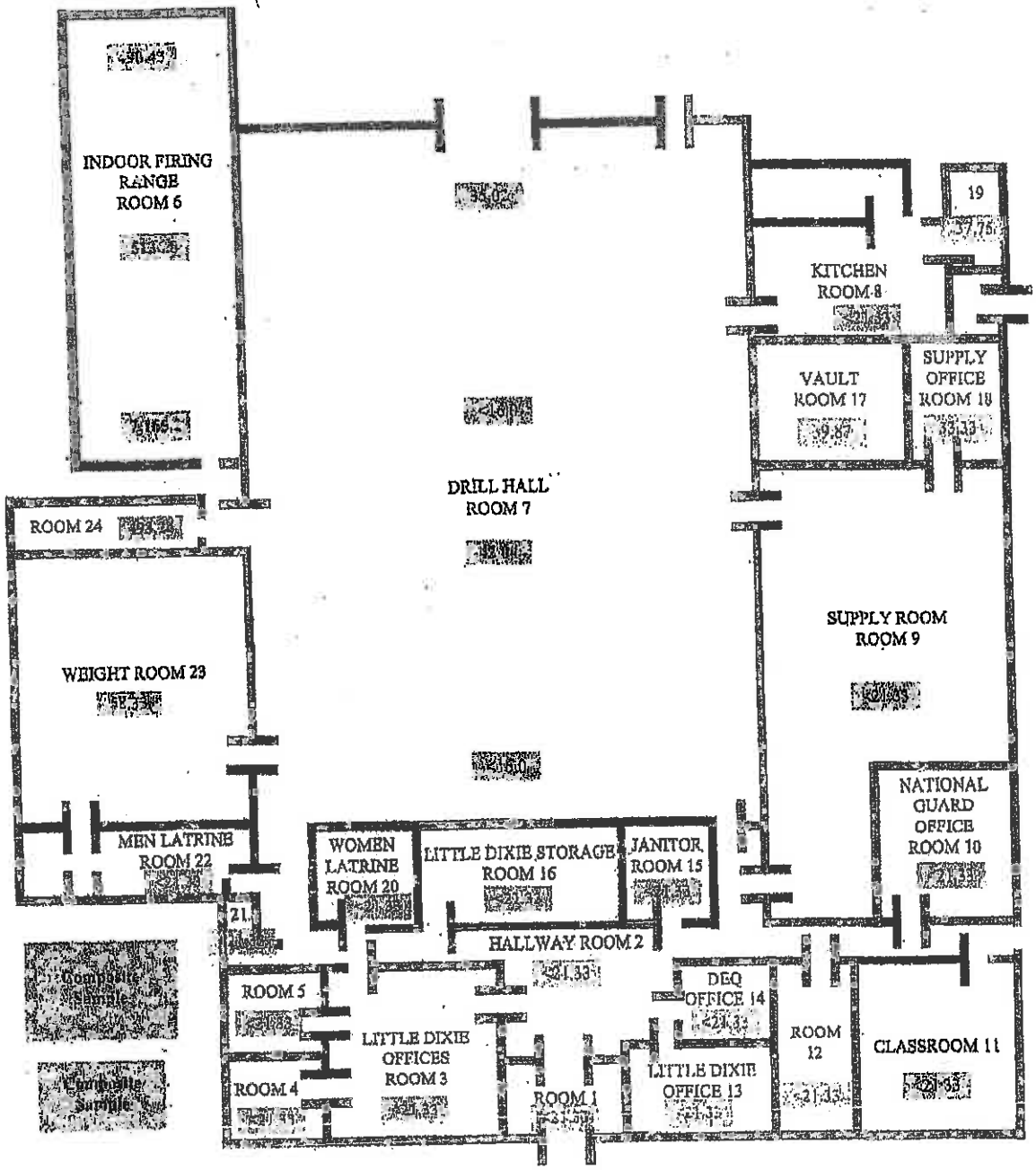
The floors in the remainder of the armory were then HEPA vacuumed and mopped with special attention to room 7 (Drill Hall) and rooms 23 (Weight Room) and 24.

DEQ was then notified, and post remediation clearance sampling/analysis were completed.

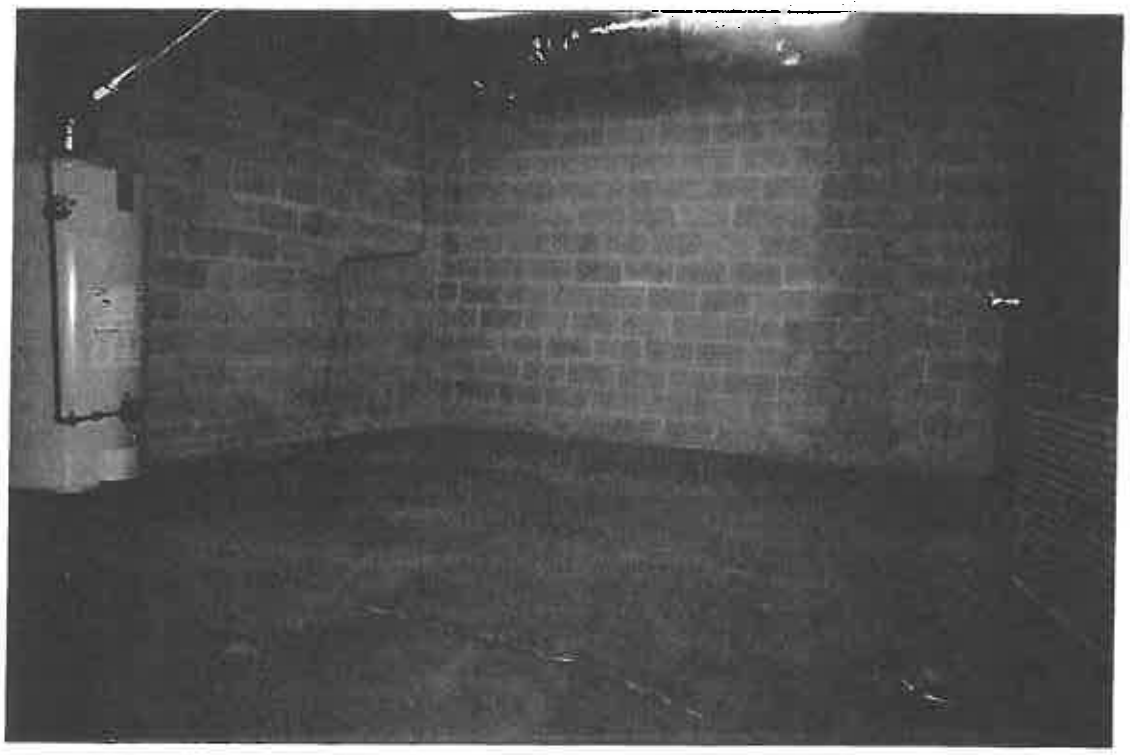
IDABEL ARMORY

SURFACE DUST SAMPLING

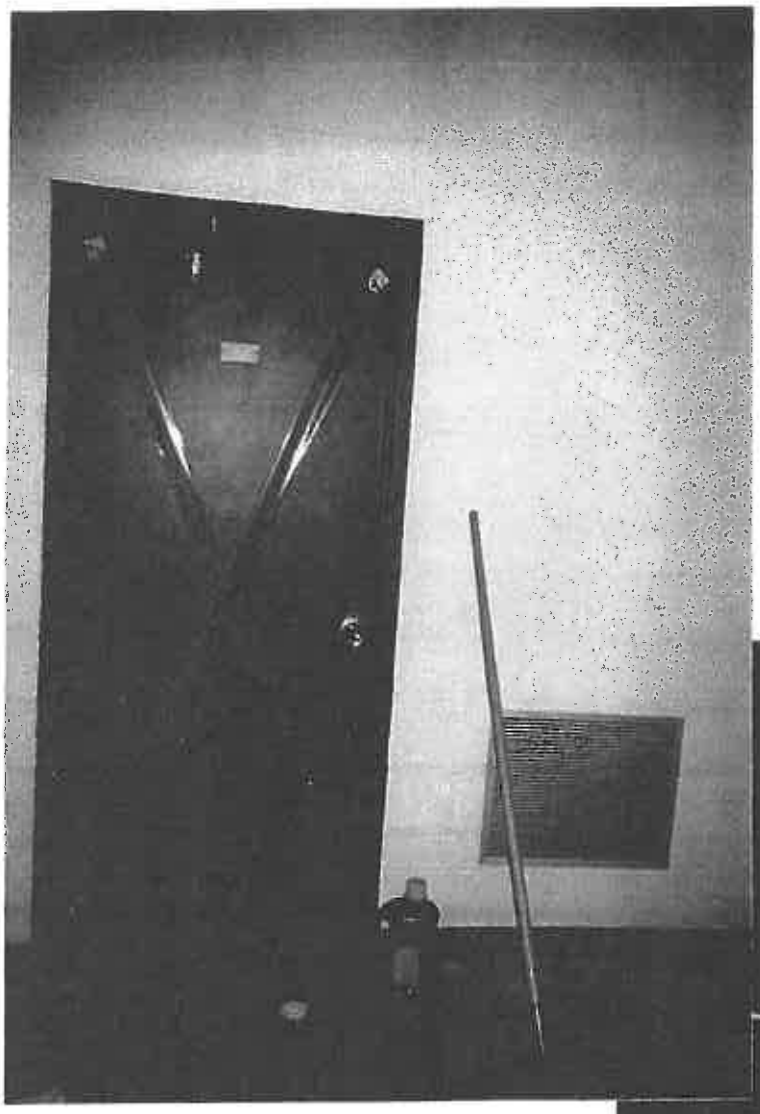
N



Floor - HEPA vacuumed and mopped, Room 9 (view to the South)

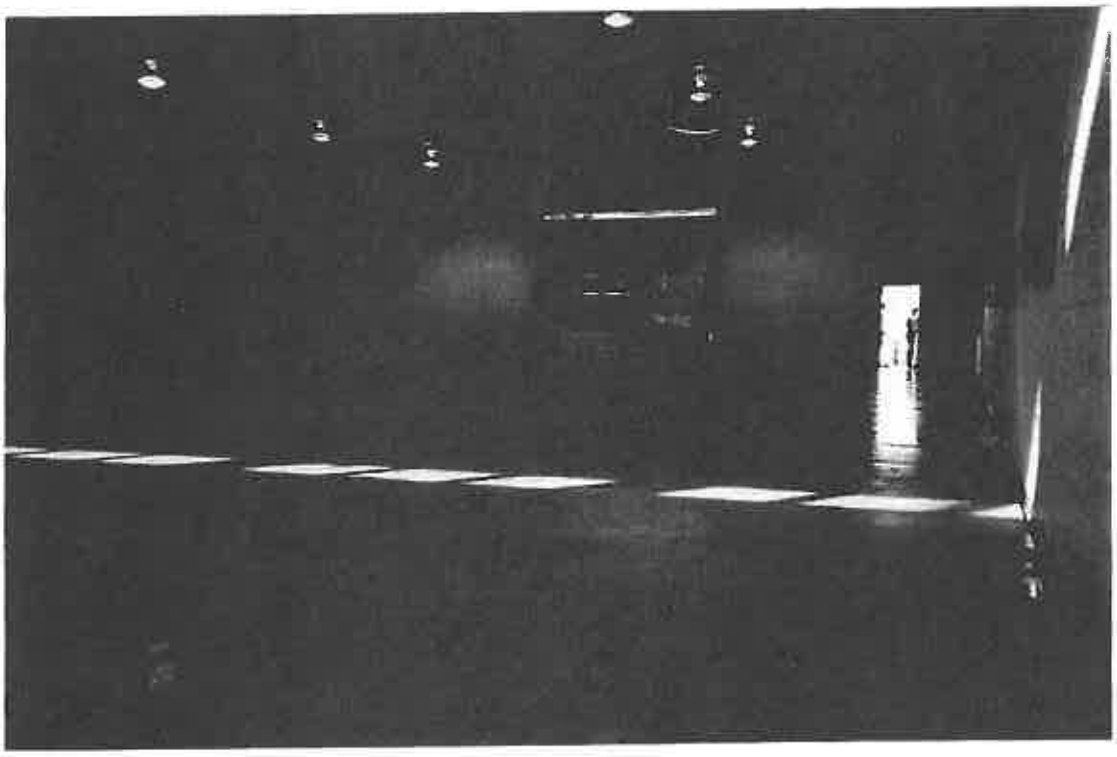


Storage room - floor HEPA vacuumed and mopped

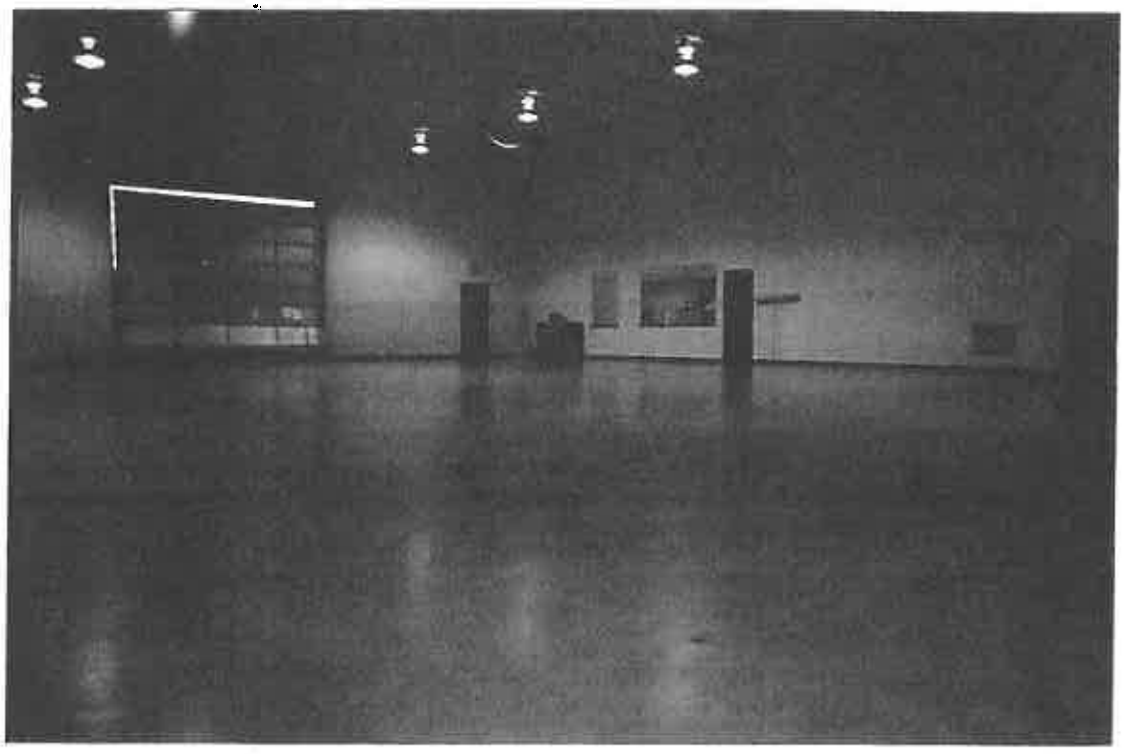


< HEPA vacuumed and mopped

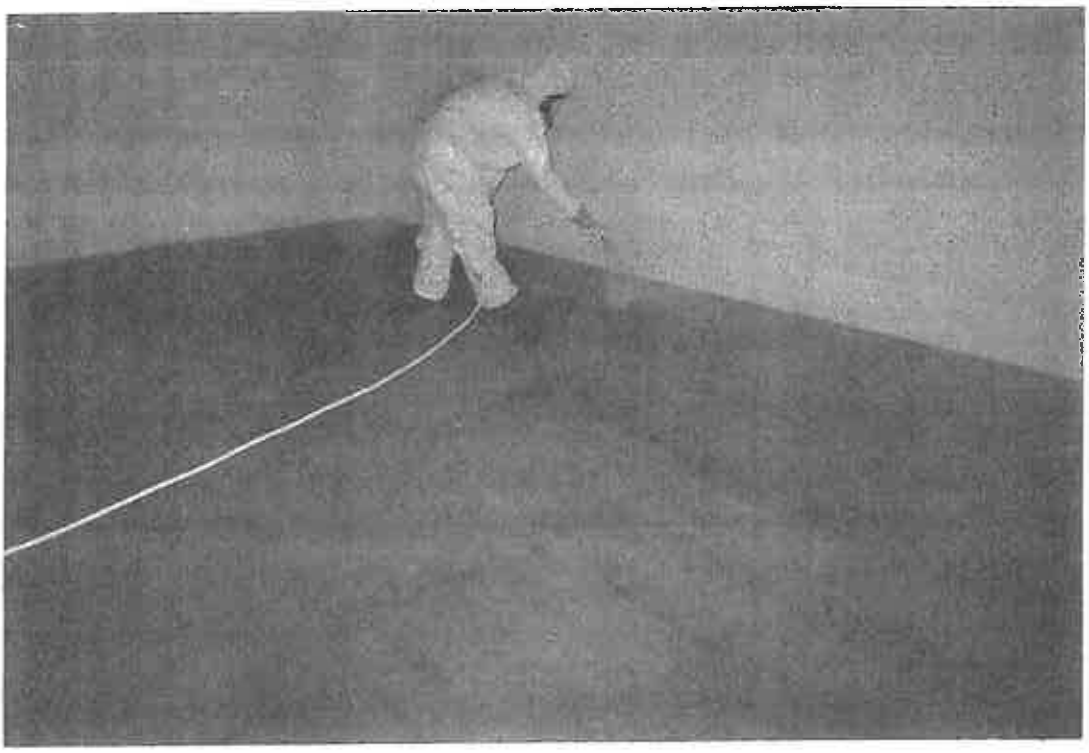
Hallway floor - HEPA vacuumed and mopped (view to East) >



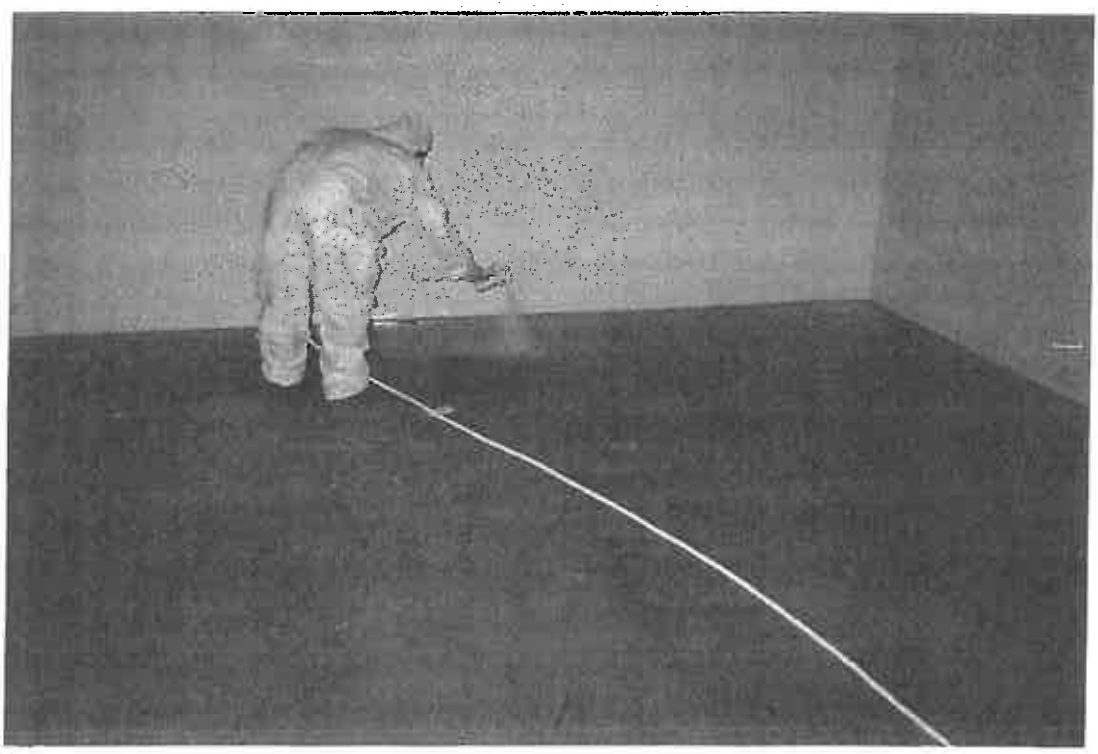
Floor - HEPA vacuumed and mopped, Drill Hall (view to the North Northwest)



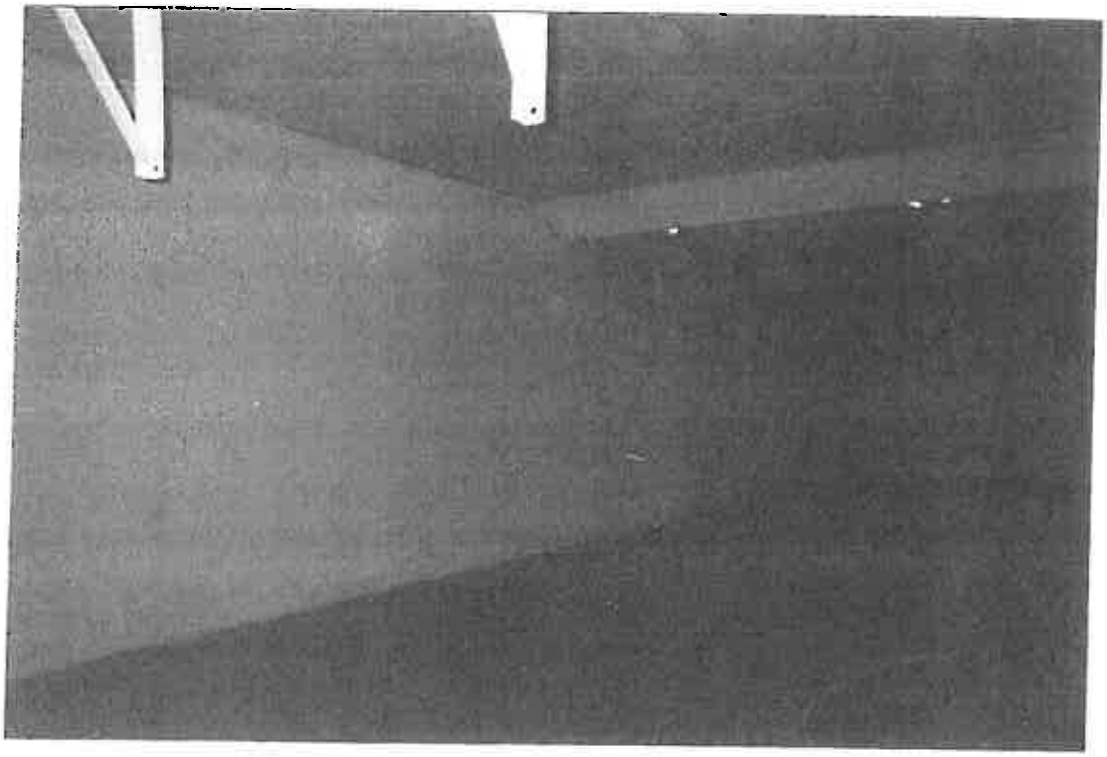
Floor - HEPA vacuumed and mopped, Drill Hall (view to the North Northeast)



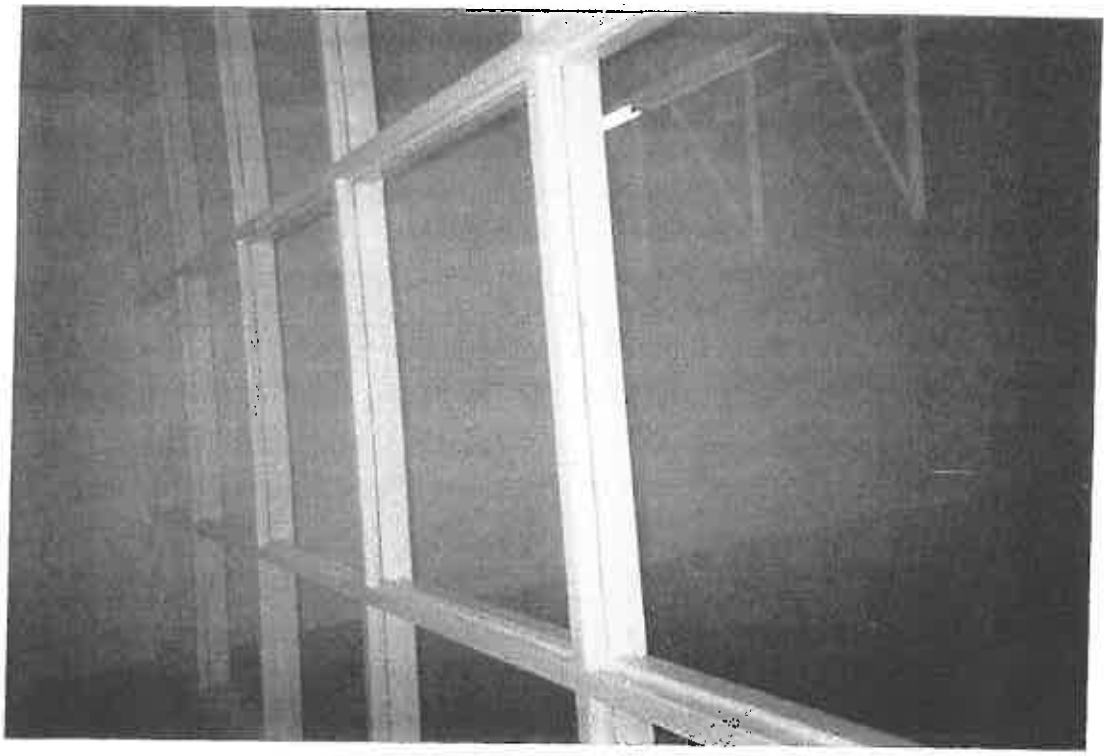
IFR - HEPA vacuumed, mopped and floor sealed (view to the North)



IFR - HEPA vacuumed, mopped and floor sealed (view to the North)



IFR - HEPA vacuumed, mopped walls, ceilings and floors sealed (view to the North)



IFR - HEPA vacuumed, mopped walls, ceilings and floors sealed

CONFIRMATION SAMPLING

LEAD CONFIRMATION SAMPLING

QUANTEM® LABORATORIES

2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Environmental Chemistry Analysis Report

QuanTEM Set ID: 201542
Date Received: 11/09/11
Received By: Sherrie Leftwich
Date Sampled:
Time Sampled:
Analyst: BM
Date of Report: 11/10/2011

AIHA ID: 101352

Client: State of Oklahoma
DEQ Land Protection
Attn: Dustin Davidson
707 N. Robinson
Oklahoma City, OK 73102
Acct. No.: B486

Project: Idabel Armory
Location: Idabel Armory
Project No.: N/A

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	1	Wipe	Lead	<16.0	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
002	2	Wipe	Lead	<16.0	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
003	3	Wipe	Lead	<16.0	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
004	4	Wipe	Lead	<16.0	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
005	5	Wipe	Lead	<16.0	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
006	6	Wipe	Lead	<16.0	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
007	7	Wipe	Lead	<16.0	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
008	8	Wipe	Lead	<16.0	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
009	9	Wipe	Lead	<16.0	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
010	10	Wipe	Lead	31.6	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
011	11	Wipe	Lead	<16.0	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
012	12	Wipe	Lead	<16.0	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
013	13	Wipe	Lead	20.5	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
014	14	Wipe	Lead	<16.0	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
015	15	Wipe	Lead	<16.0	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
016	16	Wipe	Lead	24.6	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
017	17	Wipe	Lead	28.0	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)

Note: Sample results have not been corrected for blank values.

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Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7420 (1) = EPA 600/R-93/200 Preperation Modified. EPA 7420 Analysis Modified
EPA Method 7082 (2) = EPA 600/R-93/200 Preperation Modified. EPA 7082 Analysis Modified

QUANTEM® LABORATORIES

2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Environmental Chemistry Analysis Report

QuanTEM Set ID: 201542
Date Received: 11/09/11
Received By: Sherrie Leftwich
Date Sampled:
Time Sampled:
Analyst: BM
Date of Report: 11/10/2011

AIHA ID: 101352

Client: State of Oklahoma
DEQ Land Protection
Attn: Dustin Davidson
707 N. Robinson
Oklahoma City, OK 73102
Acct. No.: B486

Project: Idabel Armory
Location: Idabel Armory
Project No.: N/A

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
018	18	Wipe	Lead	28.6	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
019	19	Wipe	Lead	144	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
020	20	Wipe	Lead	244	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
021	21	Wipe	Lead	42.3	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
022	22	Wipe	Lead	34.6	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
023	23	Wipe	Lead	<16.0	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
024	24	Wipe	Lead	46.0	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
025	25	Wipe	Lead	104	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
026	26	Wipe	Lead	595	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
027	27	Wipe	Lead	<16.0	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
028	28	Wipe	Lead	<16.0	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
029	29	Wipe	Lead	<16.0	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
030	30	Wipe	Lead	102	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
031	31	Wipe	Lead	60.1	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
032	32	Wipe	Lead	324	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
033	33	Wipe	Lead	299	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
034	34	Wipe	Lead	312	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)

Note: Sample results have not been corrected for blank values.

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EPA Method 7082 (2) = EPA 600/R-93/200 Preperation Modified. EPA 7082 Analysis Modified

QUANTEM LABORATORIES

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Client: State of Oklahoma
DEQ Land Protection
Attn: Dustin Davidson
707 N. Robinson
Oklahoma City, OK 73102
Acct. No.: B486

Project: Idabel Armory
Location: Idabel Armory
Project No.: N/A

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
035	35	Wipe	Lead	344	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
036	36	Wipe	Lead	<16.0	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
037	37	Wipe	Lead	<16.0	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
038	38	Wipe	Lead	<16.0	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
039	39	Wipe	Lead	<16.0	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
040	40	Wipe	Lead	<16.0	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)
041	41	Wipe	Lead	116	16	ug/sq. Ft.	11/10/11 11:30	W EPA 7420 (1)

Authorized Signature: _____
Benton Miller, Analyst

Note: Sample results have not been corrected for blank values.

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Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7420 (1) = EPA 600/R-93/200 Preperation Modified. EPA 7420 Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preperation Modified. EPA 7082 Analysis Modified

Supplemental Report
QAQC Results

QA ID: 9351 **Date:** 11/10/2011 **Lab Number:** 201542
Test: Lead **Matrix:** Wipe **Approved By:** Benton Miller
Date Approved: 11/10/2011

Notes:

Blank Data:

Type of Blank	Blank Value
FCB	0
ICB	0
Matrix Blank	0

Standards Data:

Standard	Low Limit	Obtained	High Limit
CCV	4.5	5.4	5.5
FCV	4.5	4.9	5.5
ICV	0.8	1.1	1.2
RLVS	0.256	0.287	0.384

Duplicate Data:

Recovery Data:

Sample Number	Result	Spike Level	Result + Spike	% Recovery	Dup. Result + Spike	% Dup. Recovery	% Spike RPD
MS-W1	0.000	5.470	5.201	95.1	5.130	93.8	1.4
MS-W2	0.000	5.525	5.574	100.9	5.483	99.2	1.6
MS-W3	0.000	5.503	5.265	95.7	5.249	95.4	0.3

Authorized Signature: _____

Benton Miller, Analyst

Lead Chain-of-Custody

QUANTEM LABORATORIES
2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1660 (405) 755-7272 Fax (405) 755-2056
www.quantem.com

This Box for Lab Use Only
Lab No. 201542
Accept / Reject

Company Name: DEQ Acct.#: _____ Project Name: Idabel Armory

Project Location: Idabel Armory Project Number: _____

Sample Number	Sample Description	Volume of Area	Sample Matrix	Analysis: Pb	Units Requested: PPM/	Wt %	mg / kg	mg / l	ug / sq. ft.	ug / sq. in.	mg / cm²
1		1 ft²	C	X					X		
2		1	C								
3		1									
4		1									
5		1									
6		1									
7		1									
8		1									
9		1									
10		1									
11		1									
12		1									
13		1									
14		1									
15		1									

Sample Matrix Codes
- A - Soil
- B - Paint Chips
- C - Surface / Dust Wipes
- D - Bulk Miscellaneous
- E - Air Cassette
- F - Other (SPECIFY)

LEGAL DOCUMENT
Please Print Legibly

TURNAROUND TIME
- [ ] Same Day
- [X] 24 Hour
- [ ] 3-Day
- [ ] 5-day

CONTACT INFORMATION
Name: Dustin Davidson
Phone:
Report Results VIA (CHOOSE ONE):
- [ ] FAX:
- [ ] QuanTEM WebSite
- [X] E-Mail: dustindavidson@deq.ok.gov

Relinquished By	Date/Time	VIA	Received By	Date/Time	Date Sampled	Sampled By
Dustin Davidson	11/9/11 9:57		Clifford	11/9/11 10:00		Dustin Davidson

Saturday FedEx Shipping - CALL TO SCHEDULE
Use this address for Saturday FedEx only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517
Mark Package 'HOLD FOR SATURDAY PICKUP'

QUANTEM LABORATORIES

Lead Chain-of-Custody

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 (405) 755-7272 Fax: (405) 755-2058
www.quantem.com

This Box for Lab Use Only
Lab No. 201542
(Accept) Reject

Company Name: DEQ Acct.#: ______ Project Name: Idabel Armory
Project Location: Idabel Armory Project Number: ______

Sample Number	Sample Description	Volume of Area	Sample Matrix	Analysis: Pb	PPM	Wt %	mg / kg	mg / l	ug / sq. ft.	ug / cu. M.	mg / cm²
16		1ft²	C	X					X		
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											

Sample Matrix Codes
A - Soil
B - Paint Chips
C - Surface / Dust Wipes
D - Bulk Miscellaneous
E - Air Cassette
F - Other (SPECIFY)

LEGAL DOCUMENT
Please Print Legibly

TURNAROUND TIME

- [ ] Same Day
- [X] 24 Hour
- [ ] 3-Day
- [ ] 5-day

CONTACT INFORMATION

Name: Dustin Davidson
Phone:
Report Results VIA (CHOOSE ONE):
- [ ] FAX:
- [ ] QuanTEM WebSite
- [X] E-Mail: dustin.davidson@deq.ok.gov

Relinquished By	Date/Time	VIA	Received By	Date/Time	Date Sampled	Sampled By
Dustin Davidson	11/9/11 9:58		[signature]	11/9/11 10:00	11/8/11	Dustin Davidson
Relinquished By	Date/Time	VIA	Received By	Date/Time		

Saturday FedEx Shipping - CALL TO SCHEDULE
Use this address for Saturday FedEx only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517
Mark Package 'HOLD FOR SATURDAY PICKUP'

Revision: May 2006

Lead Chain-of-Custody

QUANTEM LABORATORIES
2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-4660 (405) 755-7272 Fax: (405) 755-2058
www.quantem.com

This Box for Lab Use Only
Lab No. 201542
Accept / Reject

Company Name: DEQ Acct.#: Project Name: Idabel Armory

Project Location: Idabel Armory Project Number:

Sample Number	Sample Description	Volume of Area	Sample Matrix	Analysis: Pb	Units Requested: PPM	Wt %	mg / kg	mg / l	ug / sq. ft.	ug / cu. M.	mg / cm²
31		1ft²	C	X					X		
32											
33											
34											
35											
36											
37											
38											
39											
40											
41											

Sample Matrix Codes:
A - Soil
B - Paint Chips
C - Surface / Dust Wipes
D - Bulk Miscellaneous
E - Air Cassette
F - Other (SPECIFY)

LEGAL DOCUMENT
Please Print Legibly

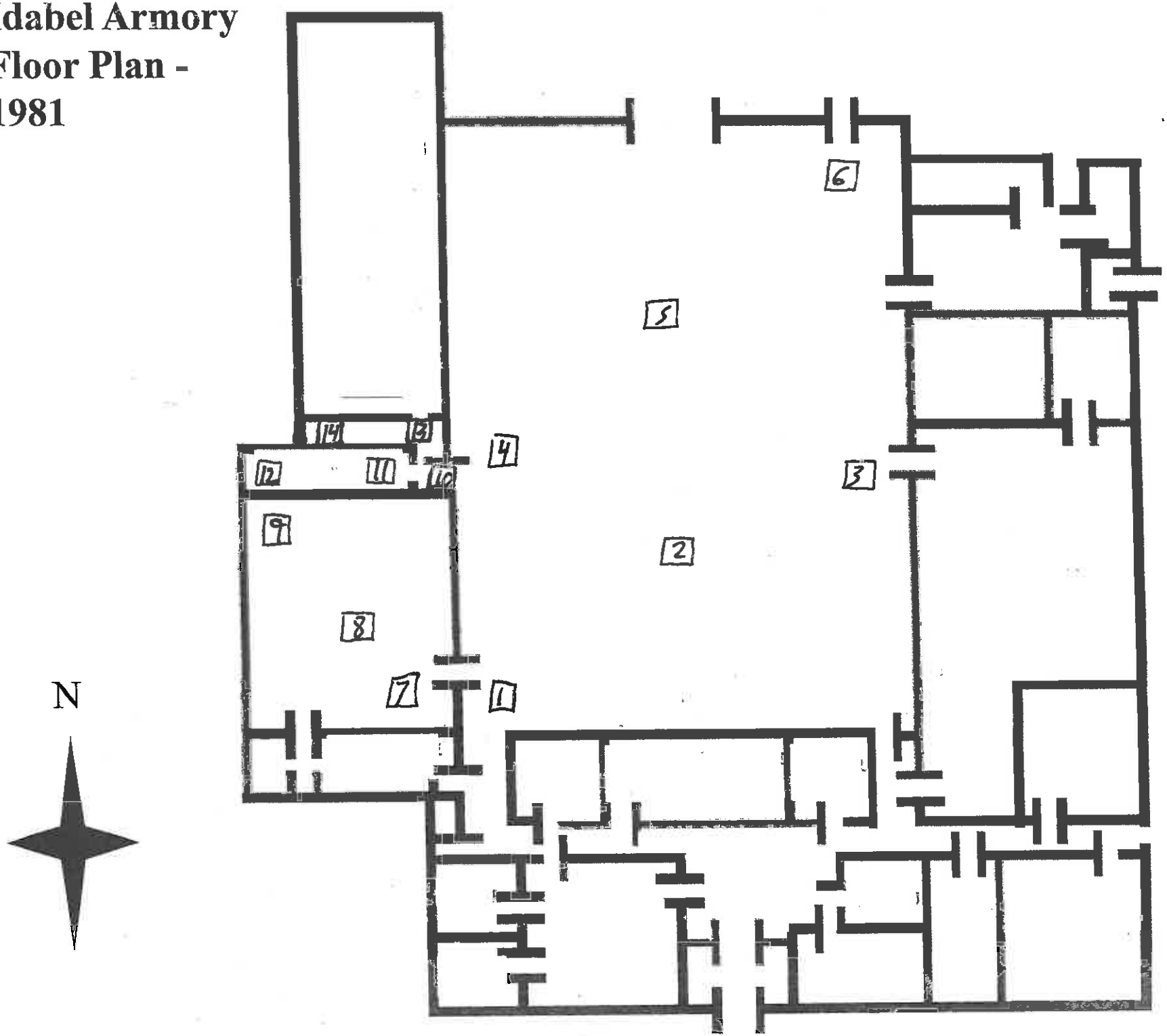
TURNAROUND TIME
- Same Day
- X 24 Hour
- 3-Day
- 5-day

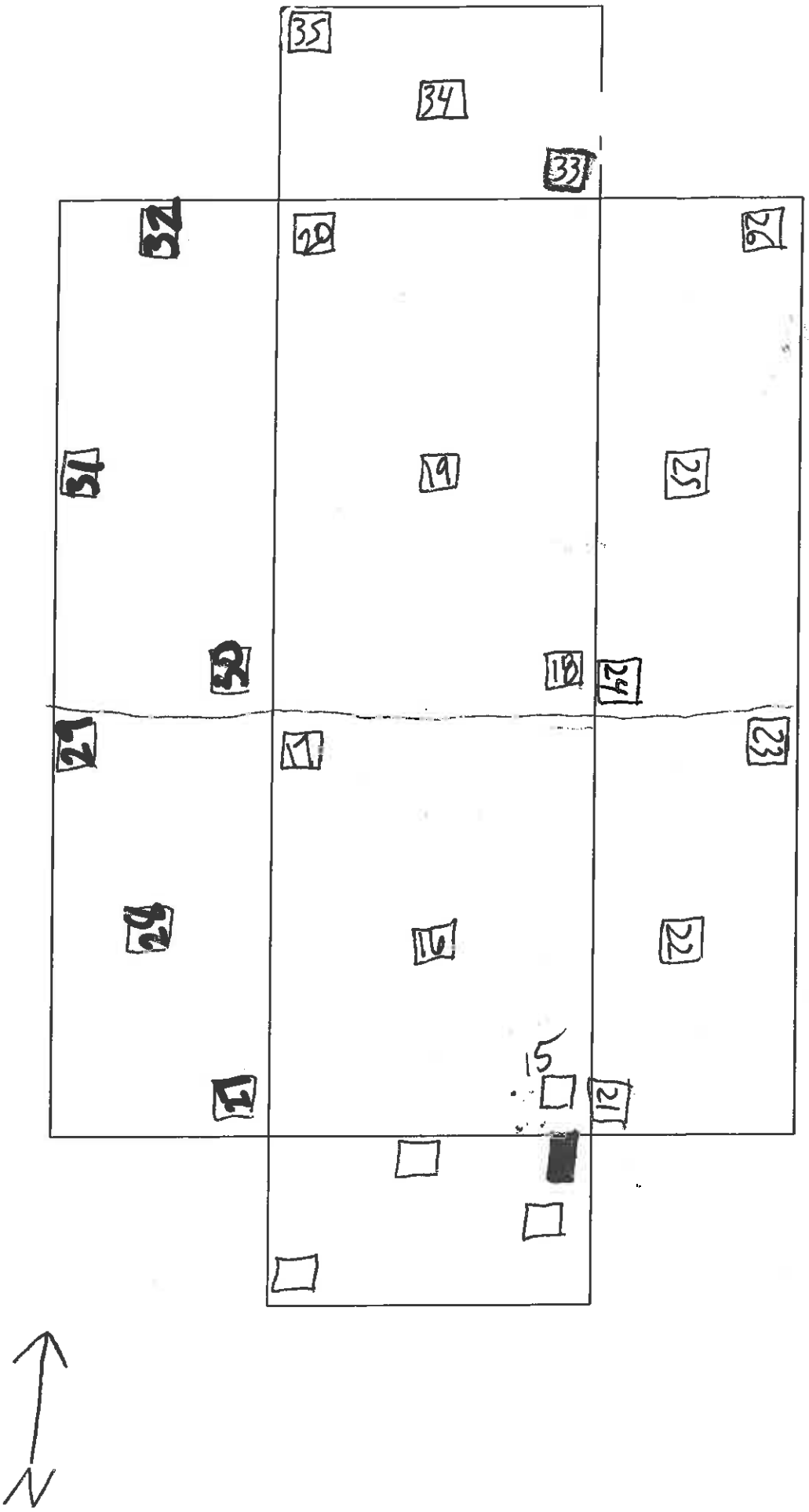
CONTACT INFORMATION
Name: Dustin Davidson
Phone:
Report Results VIA (CHOOSE ONE):
- FAX:
- QuanTEM WebSite
- X E-Mail: dustin.davidson@deq.OK.gov

Relinquished By	Date/Time	VIA	Received By	Date/Time	Date Sampled	Sampled By:
Dustin Davidson	11/9/11 9:58		Shipwise	11/9/11 10:00	11/8/11	Dustin Davidson
Relinquished By	Date/Time		Received By	Date/Time		

Saturday FedEx Shipping - CALL TO SCHEDULE
Use this address for Saturday FedEx only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517
Mark Package "HOLD FOR SATURDAY PICKUP"

Idabel Armory Floor Plan - 1981

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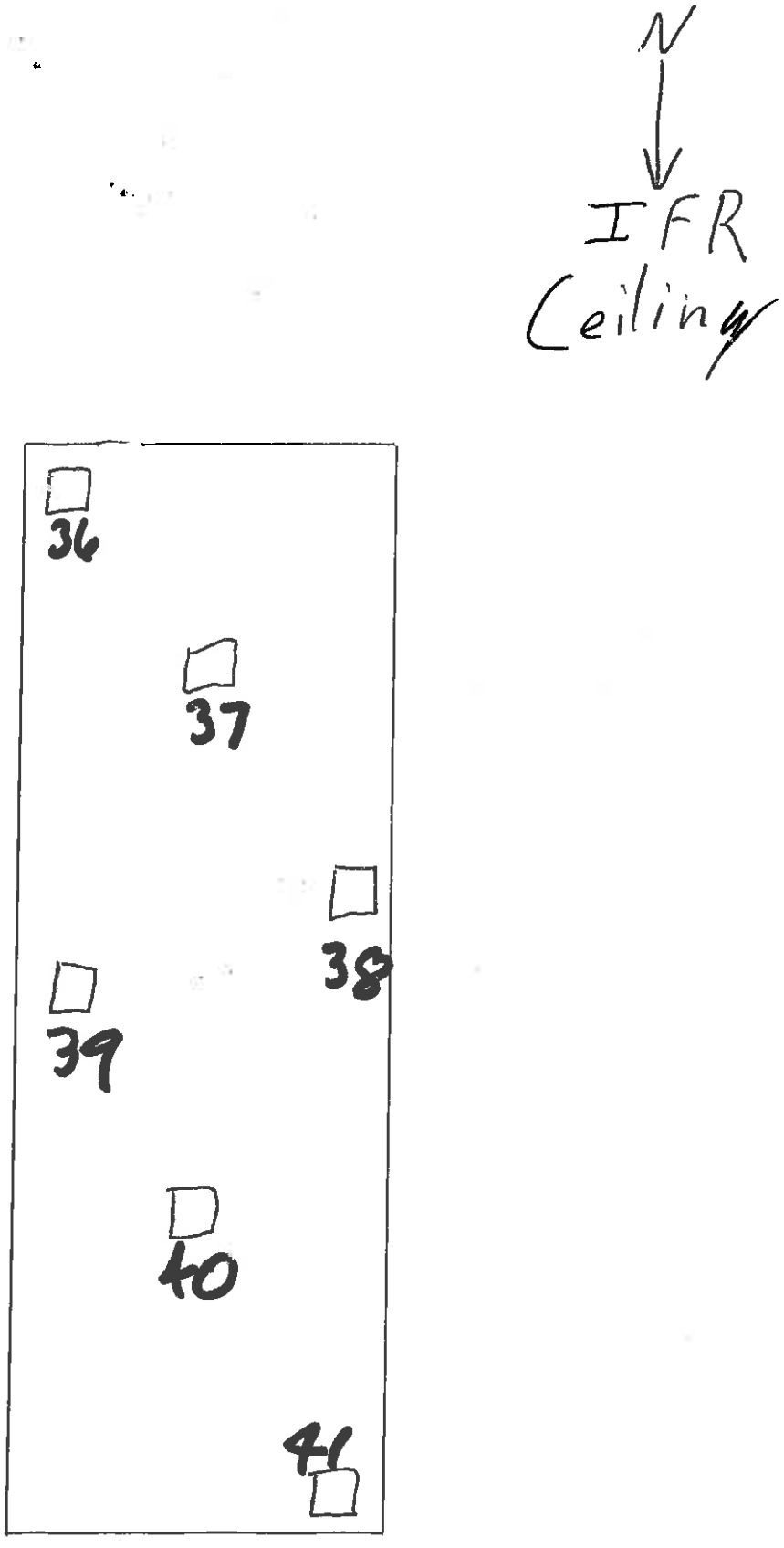
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IFR
Ceiling
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QUANTEM® LABORATORIES

2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Environmental Chemistry Analysis Report

QuanTEM Set ID: 202188
Date Received: 12/01/11
Received By: Sherrie Leftwich
Date Sampled:
Time Sampled:
Analyst: RS
Date of Report: 12/2/2011

AIHA ID: 101352

Client: State of Oklahoma
Dept. of Environmental Quality
707 N. Robinson
Oklahoma City, OK 73102

Acct. No.: A795

Project: Idabel Armory
Location: Idabel Armory
Project No.: N/A

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	1	Wipe	Lead	318	16	ug/sq. Ft.	12/02/11 11:30	W EPA 7420 (1)
002	2	Wipe	Lead	188	16	ug/sq. Ft.	12/02/11 11:30	W EPA 7420 (1)
003	3	Wipe	Lead	17.8	16	ug/sq. Ft.	12/02/11 11:30	W EPA 7420 (1)
004	4	Wipe	Lead	85.3	16	ug/sq. Ft.	12/02/11 11:30	W EPA 7420 (1)
005	5	Wipe	Lead	<16.0	16	ug/sq. Ft.	12/02/11 11:30	W EPA 7420 (1)
006	6	Wipe	Lead	128	16	ug/sq. Ft.	12/02/11 11:30	W EPA 7420 (1)
007	7	Wipe	Lead	47.4	16	ug/sq. Ft.	12/02/11 11:30	W EPA 7420 (1)
008	8	Wipe	Lead	51.1	16	ug/sq. Ft.	12/02/11 11:30	W EPA 7420 (1)
009	9	Wipe	Lead	54.5	16	ug/sq. Ft.	12/02/11 11:30	W EPA 7420 (1)

Authorized Signature: Rebecca Sparks
Rebecca Sparks, Analyst

Note: Sample results have not been corrected for blank values.

This report applies only to the standards or procedures indicated and to the specific samples tested. It is not indicative of the qualities of apparently identical or similar products or procedures, nor does it represent an ongoing assurance program unless so noted. These reports are for the exclusive use of the client and are not to be reproduced without specific written permission.

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7420 (1) = EPA 600/R-93/200 Preperation Modified. EPA 7420 Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preperation Modified. EPA 7082 Analysis Modified

Supplemental Report
QAQC Results

QA ID: 9420 **Date:** 12/2/2011 **Lab Number:** 202188
Test: Lead **Matrix:** Wipe **Approved By:** Rebecca Sparks
Date Approved: 12/2/2011

Notes:

Blank Data:

Type of Blank	Blank Value
FCB	0
ICB	0
Matrix Blank	0

Standards Data:

Standard	Low Limit	Obtained	High Limit
CCV	4.5	5.2	5.5
FCV	4.5	5.2	5.5
ICV	0.8	1.1	1.2
RLVS	0.256	0.352	0.384

Duplicate Data:

Recovery Data:

Sample Number	Result	Spike Level	Result + Spike	% Recovery	Dup. Result + Spike	% Dup. Recovery	% Spike RPD
MS-W1	0.000	5.503	5.644	102.6	5.773	104.9	2.3

Authorized Signature: Rebecca Sparks
Rebecca Sparks, Analyst

QUANTEM LABORATORIES

Lead Chain-of-Custody

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www.quantem.com

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Lab No. 202188
Accept (circled) Reject

Company Name: DEQ
Acct#:
Project Name: Idabel Armory
Project Location: Idabel Armory
Project Number:

Sample Number	Sample Description	Volume of Area	Sample Matrix	Analysis: Pb				Units Requested: ppm	Wt %	mg/kg	mg/l	ug/sq. ft	ug/cu. M.	mg/cm²
1		1ft²	C	X								X		
2		"	C	X								X		
3		"	C	X								X		
4		"	C	X								X		
5		"	C	X								X		
6		"	C	X								X		
7		"	C	X								X		
8		"	C	X								X		
9		"	C	X								X		

Sample Matrix Codes
- A - Soil
- B - Paint Chips
- C - Surface / Dust Wipes
- D - Bulk Miscellaneous
- E - Air Cassette
- F - Other (SPECIFY)

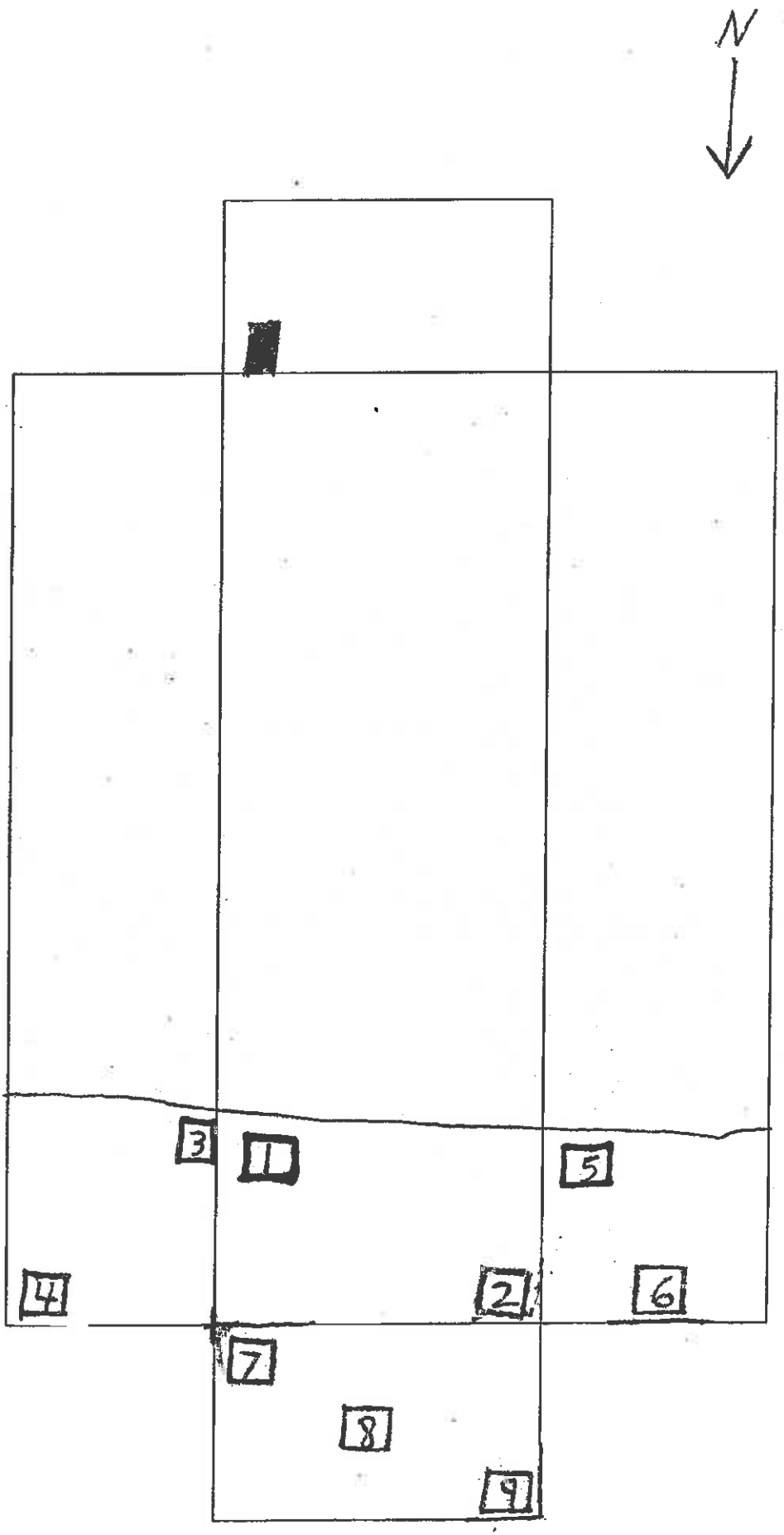
LEGAL DOCUMENT
Please Print Legibly

TURNAROUND TIME
- [ ] Same Day
- [X] 24 Hour
- [ ] 3-Day
- [ ] 5-day

CONTACT INFORMATION
Name: Dustin Davidson
Phone: 405-702-5115
Report Results VIA (CHOOSE ONE):
- [ ] FAX:
- [ ] QuanTEM WebSite
- [X] E-Mail: dustin.davidson@deq.ok.gov

Relinquished by	Date/Time	Received by	Date/Time	Sampled By
Dustin Davidson (signature)	12/1/11 12:40	S. Leftwich (signature)	12/1/11 12:40	Dustin Davidson

Saturday FedEx Shipping - CALL TO SCHEDULE
Use this address for Saturday FedEx only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517
Mark Package "HOLD FOR SATURDAY PICKUP"


N
3
1
5
4
2
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7
8
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2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

State of Oklahoma
DEQ Land Protection
Attn: Dustin Davidson
707 N. Robinson
Oklahoma City, OK 73102

Re: QuanTEM ID 202373

QuanTEM appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making QuanTEM your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

We continually work to improve our service. Help us out by providing feed back on your experience at www.QuanTEM.com. Click on Service Survey and fill out the form. We look forward to hearing from you.

Respectfully,
QuanTEM Laboratories, LLC.

QUANTEM® LABORATORIES

2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Environmental Chemistry Analysis Report

QuanTEM Set ID: 202373
Date Received: 12/08/11
Received By: Sherrie Leftwich
Date Sampled:
Time Sampled:
Analyst: BM
Date of Report: 12/8/2011

AIHA ID: 101352

Client: State of Oklahoma
DEQ Land Protection
Attn: Dustin Davidson
707 N. Robinson
Oklahoma City, OK 73102
Acct. No.: B486

Project: Idabel Armory
Location: Idabel
Project No.: N/A

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	1-1-A	Wipe	Lead	22.1	16	ug/sq. Ft.	12/08/11 13:30	W EPA 7420 (1)

Authorized Signature: _____
Benton Miller, Analyst

Note: Sample results have not been corrected for blank values.

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Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7420 (1) = EPA 600/R-93/200 Preperation Modified. EPA 7420 Analysis Modified
EPA Method 7082 (2) = EPA 600/R-93/200 Preperation Modified. EPA 7082 Analysis Modified

Supplemental Report
QAQC Results

QA ID: 9440
Test: Lead

Date: 12/8/2011
Matrix: Wipe

Lab Number: 202373
Approved By: Benton Miller
Date Approved: 12/8/2011

Notes:

Blank Data:

Type of Blank	Blank Value
FCB	0
ICB	0
Matrix Blank	0

Standards Data:

Standard	Low Limit	Obtained	High Limit
CCV	4.5	4.9	5.5
FCV	4.5	5.3	5.5
ICV	0.8	1	1.2
RLVS	0.256	0.344	0.384

Duplicate Data:

Recovery Data:

Sample Number	Result	Spike Level	Result + Spike	% Recovery	Dup. Result + Spike	% Dup. Recovery	% Spike RPD
MS-W1	0.000	5.503	5.544	100.8	5.564	101.1	0.4

Authorized Signature: _____

Benton Miller, Analyst

LEAD CHAIN OF CUSTODY

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Page 1 of 1

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Lab No. 202373
Accept Reject

Report Results (☑ one box)
☐ QuanTEM Website
☐ Other _____

Contact Information		Project Information	
Company: DEQ	Phone: 405-702-5115	Project Name: Idabel Armory	
Contact: Dustin Davidson	Cell Phone: 405-317-4292	Project Location: Idabel	
Account #:	E-mail: dustin.davidson@deq.ok.gov	Project ID:	

Sampled By: Name: Dustin Davidson Date: 12/6/11

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
Dustin Davidson	12/8/11 8:37		SLuffwick	12/8/11 8:40

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	Sample Description	Volume (Liters)	Volume Area (Length x Width)	Sample Matrix (see matrix code box)	Analysis: Pb			Units (☑ ONE box only): PPM	Wt %	mg / l	µg / ft²	µg / m³	mg / cm²
1	1-1-A	Sample 1 Resample		161 ft²		X						X		
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														

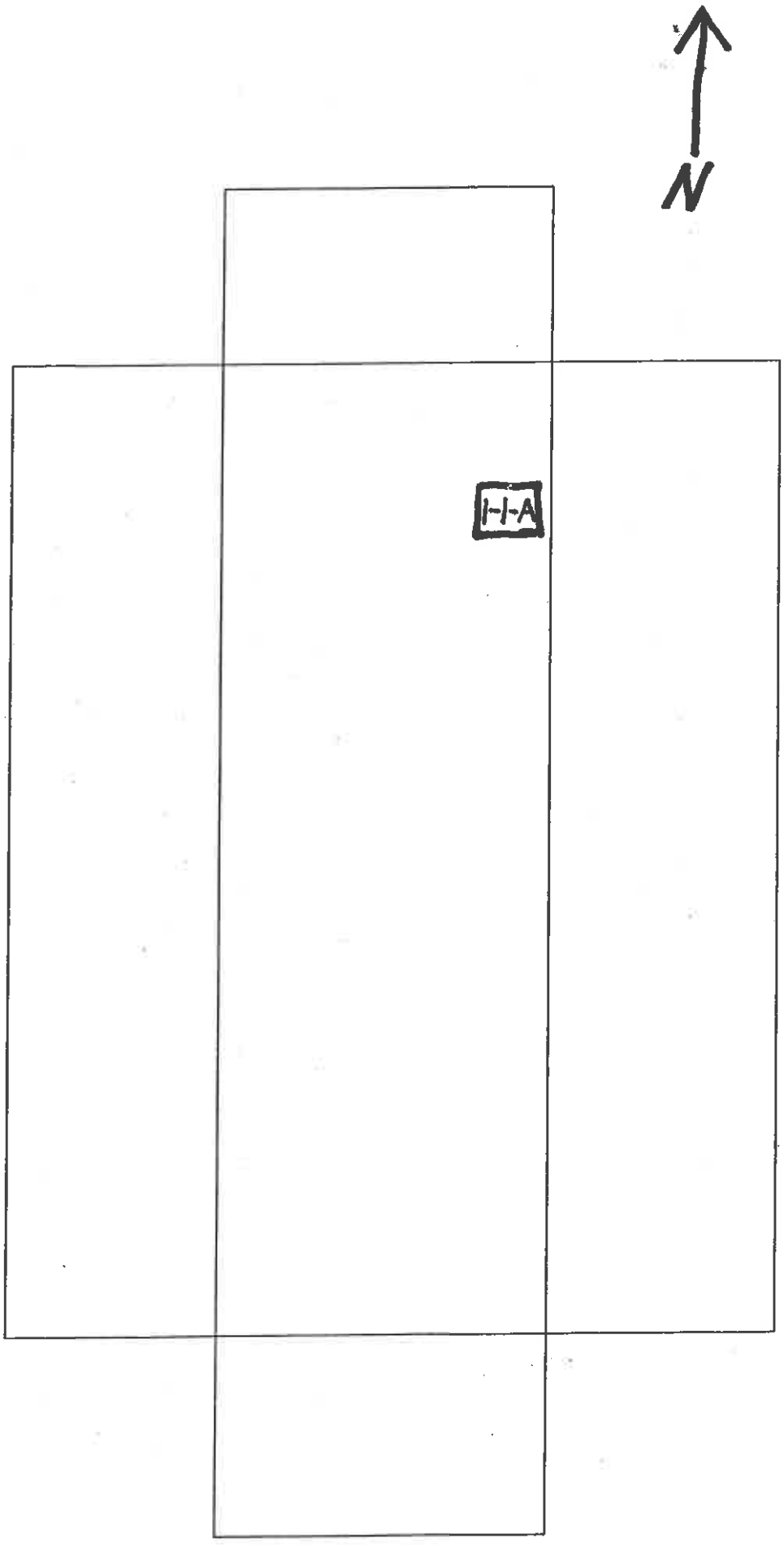
Sample Matrix Codes

A	Soil
B	Paint Chips
C	Surface / Dust Wipes
D	Bulk Miscellaneous
E	Air Cassette

TURNAROUND TIME

X	Same Day
	24 - Hour
	3 - Day
	5 - Day

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"


N
I-I-A

QUANTEM® LABORATORIES
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Environmental Chemistry Analysis Report

QuanTEM Set ID: 202535
Date Received: 12/13/11
Received By: Sherrie Leftwich
Date Sampled:
Time Sampled:
Analyst: RS
Date of Report: 12/13/2011

AIHA ID: 101352

Client: State of Oklahoma
DEQ Land Protection
Attn: Dustin Davidson
707 N. Robinson
Oklahoma City, OK 73102
Acct. No.: B486

Project: Idabel Armory
Location: Idabel Oklahoma
Project No.: N/A

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	1	Wipe	Lead	<16.0	16	ug/sq. Ft.	12/13/11 14:30	W EPA 7420 (1)
002	2	Wipe	Lead	<16.0	16	ug/sq. Ft.	12/13/11 14:30	W EPA 7420 (1)
003	3	Wipe	Lead	<16.0	16	ug/sq. Ft.	12/13/11 14:30	W EPA 7420 (1)
004	4	Wipe	Lead	<16.0	16	ug/sq. Ft.	12/13/11 14:30	W EPA 7420 (1)
005	5	Wipe	Lead	<16.0	16	ug/sq. Ft.	12/13/11 14:30	W EPA 7420 (1)
006	6	Wipe	Lead	<16.0	16	ug/sq. Ft.	12/13/11 14:30	W EPA 7420 (1)
007	7	Wipe	Lead	<16.0	16	ug/sq. Ft.	12/13/11 14:30	W EPA 7420 (1)
008	8	Wipe	Lead	<16.0	16	ug/sq. Ft.	12/13/11 14:30	W EPA 7420 (1)
009	9	Wipe	Lead	<16.0	16	ug/sq. Ft.	12/13/11 14:30	W EPA 7420 (1)
010	10	Wipe	Lead	<16.0	16	ug/sq. Ft.	12/13/11 14:30	W EPA 7420 (1)

Authorized Signature: Rebecca Sparks
Rebecca Sparks, Analyst

Note: Sample results have not been corrected for blank values.

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Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7420 (1) = EPA 600/R-93/200 Preperation Modified. EPA 7420 Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preperation Modified. EPA 7082 Analysis Modified

Supplemental Report
QAQC Results

QA ID: 9455
Test: Lead
Date: 12/13/2011
Matrix: Wipe
Lab Number: 202535
Approved By: Rebecca Sparks
Date Approved: 12/13/2011

Notes:

Blank Data:

Type of Blank	Blank Value
FCB	0
ICB	0
Matrix Blank	0

Standards Data:

Standard	Low Limit	Obtained	High Limit
CCV	4.5	5.1	5.5
FCV	4.5	4.8	5.5
ICV	0.8	1.2	1.2

Duplicate Data:

Recovery Data:

Sample Number	Result	Spike Level	Result + Spike	% Recovery	Dup. Result + Spike	% Dup. Recovery	% Spike RPD
MS-W2	0.000	5.427	5.196	95.7	5.085	93.7	2.2

Authorized Signature: Rebecca Sparks
Rebecca Sparks, Analyst

LEAD CHAIN OF CUSTODY

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Lab No. 262535
Accept Reject

Report Results (☑ one box)
☐ QuanTEM Website
☐ Other _____

Contact Information		Project Information	
Company: DEQ	Phone: 405-702-5115	Project Name: Idabel Armory	
Contact: Dustin Davidson	Cell Phone: 405-317-4292	Project Location: Idabel OKlahoma	
Account #:	E-mail: dustin.davidson@deq.ok.gov	Project ID:	

Sampled By: Name: Dustin Davidson Date: 12/12/11

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
Dustin Davidson	12/13/11 1000		Swiftwick	12/13/11 10:10

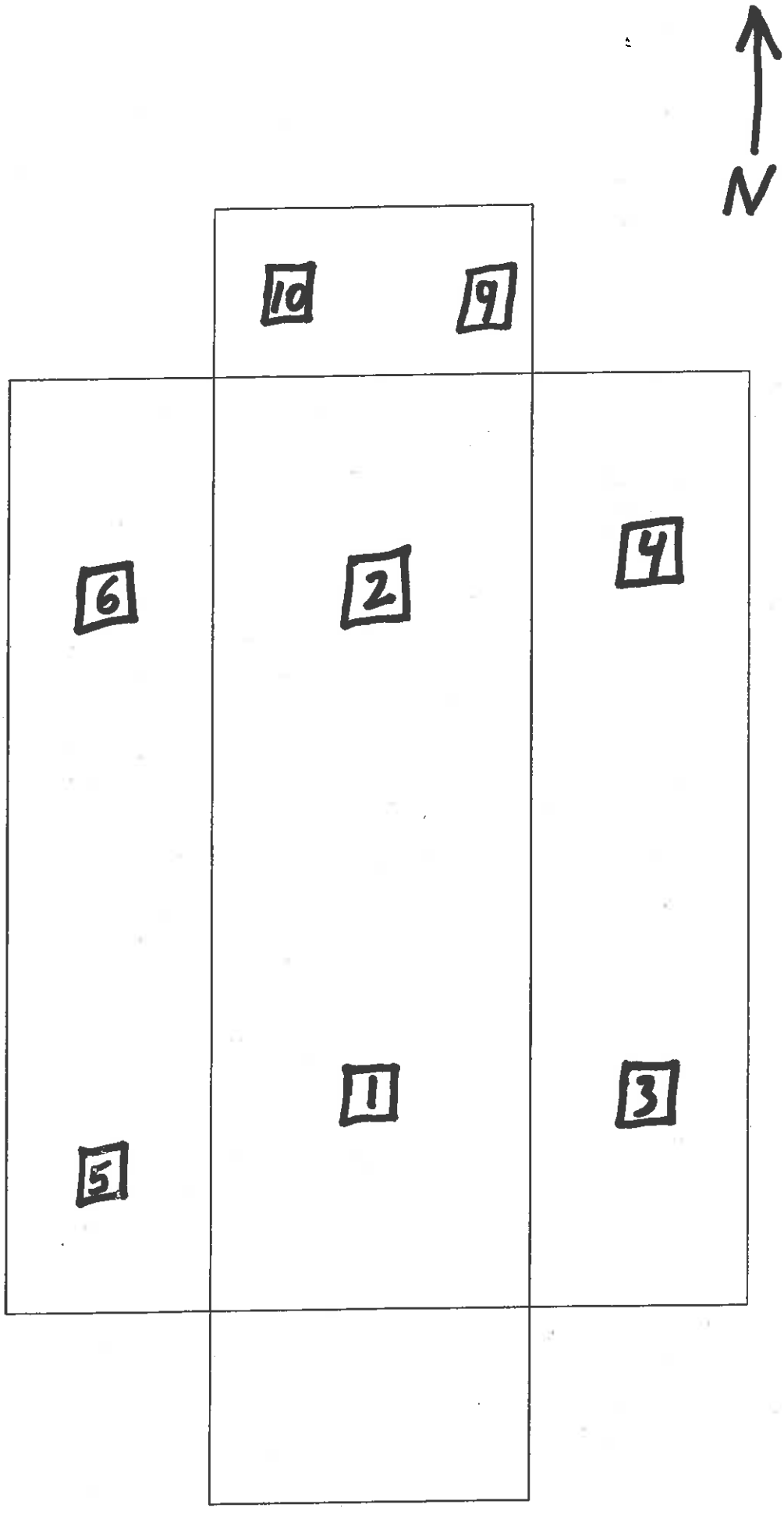
REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	Sample Description	Volume (Liters)	Volume Area (Length x Width)	Sample Matrix (see matrix code box)	Analysis			Units (☑ ONE box only)					
						Pb			PPM	Wt %	mg / l	µg /ft²	µg / m³	mg / cm²
1	1	IFR Floor		1 ft²	C	X						X		
2	2	IFR Floor		"	C	X						X		
3	3	IFR East Long Wall		"	C	X						X		
4	4	IFR East Long wall		"	C	X						X		
5	5	IFR West Long Wall		"	C	X						X		
6	6	IFR west Long wall		"	C	X						X		
7	7	IFR Ceiling		"	C	X						X		
8	8	IFR Ceiling		"	C	X						X		
9	9	IFR north Shortwall		"	C	X						X		
10	10	IFR North Shortwall		"	C	X						X		
11														
12														

Sample Matrix Codes	
A	Soil
B	Paint Chips
C	Surface / Dust Wipes
D	Bulk Miscellaneous
E	Air Cassette

TURNAROUND TIME	
	Same Day
X	24 - Hour
	3 - Day
	5 - Day

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4229 N. Santa Fe Ave., Oklahoma City, OK 73105-4517 • Mark Package "Hold for Saturday Pickup"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6
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4
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3
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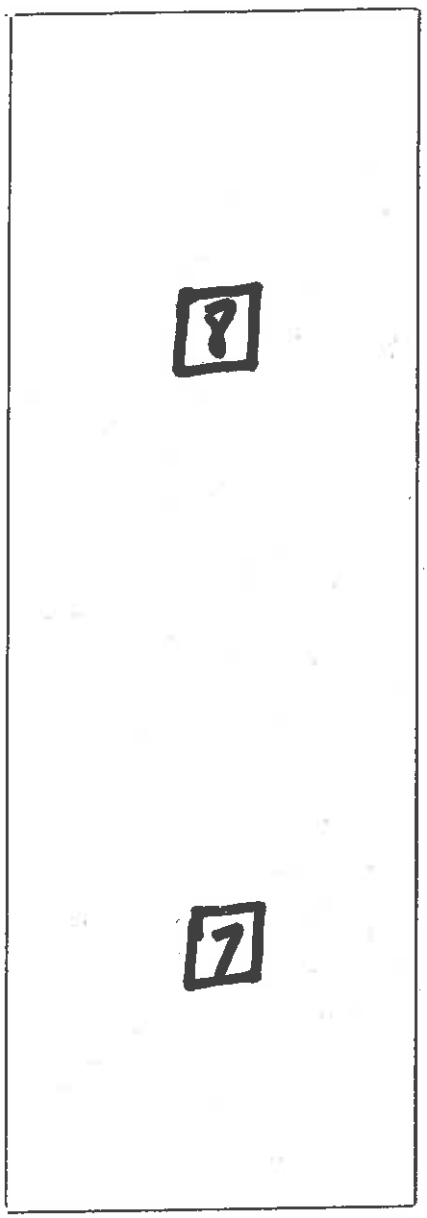
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