PHASE II ENVIRONMENTAL SITE ASSESSMENT
FOR
ACME POWER PLANT
HAZARDOUS BUILDING MATERIALS
165 ACME ROAD
SHERIDAN, SHERIDAN COUNTY, WYOMING

Prepared for:

U.S. ENVIRONMENTAL PROTECTION AGENCY
1595 Wynkoop Street
Denver, Colorado 80202

Prepared by:

WESTON SOLUTIONS, INC.
1435 Garrison Street, Suite 100
Lakewood, Colorado 80215
303-729-6100 • Fax 303-729-6101

Date Prepared	October 2017
TDD No.	0003/1609-07
Document Control No.	W0411.1A.01334
Contract No.	EP-S8-13-01
U.S. EPA Work Assignment Manager	Bill Rothenmeyer

PHASE II ENVIRONMENTAL SITE ASSESSMENT
FOR
ACME POWER PLANT
HAZARDOUS BUILDING MATERIALS
165 ACME ROAD
SHERIDAN, SHERIDAN COUNTY, WYOMING

Prepared for:

U.S. ENVIRONMENTAL PROTECTION AGENCY
1595 Wynkoop Street
Denver, Colorado 80202

Prepared by:

WESTON SOLUTIONS, INC.
1435 Garrison Street, Suite 100
Lakewood, Colorado 80215
303-729-6100 • Fax 303-729-6101

Prepared by: _____ Date: 10/30/2017
Michael Cherny
START Scientist

Reviewed and Approved by: _____ Date: 10/30/2017
Greg Geras, P.G.
START Project Manager and
Environmental Professional

TABLE OF CONTENTS

Section **Page**

TABLE OF CONTENTS (CONTINUED)

Section **Page**

LIST OF FIGURES

LIST OF FIGURES (CONTINUED)

LIST OF TABLES

LIST OF APPENDICES

LIST OF ACRONYMS

ACM	asbestos-containing material
AHERA	Asbestos Hazard Emergency Response Act
AQD	Air Quality Division
ASTM	ASTM, International
CO	Colorado
COC	contaminant of concern
cu. ft.	cubic feet
EPA	United States Environmental Protection Agency
HA	homogeneous area
HUD	United States Department of Housing and Urban Development
LBP	lead-based paint
LF	linear feet
mg/cm^2	milligrams per square centimeter
PCB	polychlorinated biphenyl
P.G.	Professional Geologist
PLM	Polarized Light Microscopy
QA	Quality Assurance
QC	Quality Control
RACM	regulated asbestos-containing material
SAP	Sampling and Analysis Plan
SCCD	Sheridan County Conservation District
sq. ft.	square feet
START	Superfund Technical Assessment and Response Team
SOO	Statement of Objectives
TBA	Targeted Brownfields Assessment
TCLP	Toxicity Characteristic Leaching Procedure
TDD	Technical Direction Document
user	Sheridan County Conservation District
WESTON	Weston Solutions, Inc.
XRF	X-ray fluorescence

SUMMARY

The United States Environmental Protection Agency (EPA) tasked the Weston Solutions, Inc. (WESTON) Superfund Technical Assessment and Response Team (START) to assist the EPA in conducting a Phase II Environmental Site Assessment (ESA) for the Acme Power Plant at 165 Acme Road located in Sheridan, Wyoming (WY) (Site) (Figure 1). This Phase II ESA report documents activities and results related to the hazardous building material portion of the overall Phase II ESA investigation. Activities and results regarding other media investigated during the Phase II ESA (e.g., drilling, sub-surface soils, groundwater, etc.) is presented in a separate report (WESTON, 2017c).

SCOPE OF WORK

This Phase II ESA was conducted in accordance with Technical Direction Document (TDD) 0003/1609-07 and ASTM, International (ASTM) E1903-11– Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process. The purpose of a Phase II ESA is to achieve the objectives set forth in the Statement of Objectives (SOO) developed by the EPA, user(s), and the Phase II Assessor. Goals for this Phase II ESA were to acquire and evaluate sufficient information to determine the location and concentration of potential environmental contamination at the Site, if present. The specific SOO for this Phase II ESA were as follows:

- Assess and evaluate suspected contaminants that may be present at the Site. Develop sufficient information to reasonably render a professional opinion that, with respect to the potential concerns assessed, hazardous substances either are or are not present at the property, including the concentrations of the substances if present;
- Gather and provide sufficient data to assist the Targeted Brownfield Assessment (TBA) recipient to make informed decisions with regard to the future use of the property; and
- Gather sufficient data to provide cost estimates for properly disposing of hazardous materials, remediation, and or demolition, if necessary.

SITE BACKGROUND

The property was previously owned by Diversified Resources LLC, which is listed as an "Inactive-Administratively Dissolved" entity. The Sheridan County Conservation District (SCCD) assumed ownership in June 2017 after completion of a Phase I ESA by START (WESTON, 2017a). The former Acme Power Plant was a coal-fired power plant that supplied power to the Acme Mine and surrounding area. The power plant was constructed in 1910, with additions to the plant in 1947 and 1953. After the power plant ceased operation sometime in the late-1960s to early-1970s, the Site was used for other commercial operations, including but not limited to, car crushing and battery recycling activities. However, these activities were not conducted as registered businesses. The Site is currently abandoned and not being utilized for commercial or industrial purposes.

Sheridan County Conservation District (SCCD) is interested in cleaning up any contamination present as part of water quality improvement efforts in the Tongue River Watershed and potentially for future recreational use of the location. The Phase I ESA completed by START (WESTON, 2017a) identified the possibility of asbestos-containing material (ACM), lead-based paint (LBP), and other environmental hazards being present, due to the age of the buildings. The Phase II ESA was performed as a result of the findings of the Phase I ESA.

SUMMARY OF RESULTS AND CONCLUSIONS

Phase II assessment fieldwork was conducted between May 31st and June 4th, 2017. Results of the Phase II ESA have confirmed the presence of contaminants of concern (COCs) at the Site. The following is a summary of the hazardous building material results and conclusions regarding COCs and associated media identified by START at the Site.

Asbestos-Containing Material (ACM)

Five buildings at the Site were assessed for ACM: Power Plant, Shop, Little House, Trailer, and Barn. In addition, exterior surface soil samples were collected to aid in determining if asbestos fibers sourced from Site debris or if ACM from within the Power Plant has migrated. Of the 111 samples submitted for laboratory analysis, a total of 75 samples were determined to be "positive" (>1% asbestos) for asbestos. The following tables indicate the locations and estimated extents of ACM identified at the Site per building or media. See Sections 5.1 and 6.1 of this report for a more detailed breakdown.

Power Plant		
ACM Material	**Estimated Extent**	**Location**
Boiler Insulation	150 sq. ft.	Detroit Stoker
Brick Caulk	50 LF	Heine Boiler
Brick Plaster	1,000 sq. ft.	Heine Boiler
Door Insulation	5 sq. ft.	Steam Boiler Unit
Electrical Panel	1 panel	South Turbine Room
Equipment Jackets	4,330 sq. ft.	Throughout Building
Fiberboard	1,500 sq. ft.	South Rooms
Fire Brick	10 sq. ft.	2nd Level Catwalk
Fire Doors	3 Doors	South Rooms
Furnace Bricks and Cement	6,000 sq. ft.	Boilers
Insulation Debris	1,380 cu. ft.	Throughout Building
Pipe Flange Gaskets	200 Gaskets	Throughout Building
Pipe Insulation	1,420 LF	Throughout Building

Power Plant		
ACM Material	**Estimated Extent**	**Location**
Pipe Joints	356 Joints	Throughout Building
Plaster[1]	5,850 sq. ft.	Main Turbine Rooms
Roofing Material – Silver Coating	13,500 sq. ft.	Roof
Wire Insulation	50 LF	5th Level Catwalk

Notes:
[1] = insulation debris attached to the plaster was found to be ACM
cu. ft. = cubic feet
LF = linear feet
sq. ft. = square feet

Barn		
ACM Material	**Estimated Extent**	**Location**
Fiberboard	80 sq. ft.	Loft
Manhole Gasket	14 rolls	Main Level
Pipe Insulation	2 boxes	Main Level and Loft

Notes:
sq. ft. = square feet

Shop		
ACM Material	**Estimated Extent**	**Location**
Asbestoline and Fireite	2 gallons	Loft
Brake Pad	3 pads	Main Level
Covering	5 LF	Main Level
Packing/Gasket	8 rolls and 3 gaskets	Main Level
Roofing Material - Tar	110 LF	Roof

Notes:
LF = linear feet

Little House		
ACM Material	**Estimated Extent**	**Location**
Linoleum	80 sq. ft.	Main Level

Notes:
sq. ft. = square feet

Exterior Soils		
Sample ID	**Asbestos Type (% Composition)**	**Location**
APP-SO01-ACM	Chrysotile (Trace)	Beneath pipe insulation debris tote
APP-SO02-ACM	Chrysotile (Trace)	Northwest door

Exterior Soils		
Sample ID	**Asbestos Type (% Composition)**	**Location**
APP-SO03-ACM	Chrysotile (Trace)	Southeast door
APP-SO04-ACM	Chrysotile (Trace)	Northeast door

Based on the results of the ACM survey, asbestos is present throughout the Power Plant as well as in the Barn, Shop, and Little House. The presence of trace amounts of asbestos in exterior surface soils located outside the door of the Power Plant indicates friable asbestos fibers are migrating beyond the walls of the Power Plant building. ACM is considered to be a COC in relation to the Site.

Lead-Based Paint (LBP)

Five buildings at the Site were assessed for LBP: Power Plant, Shop, Little House, Trailer, and Barn. Of the 96 X-ray fluorescence (XRF) readings collected, a total of 31 readings were determined to be "positive" (>1 milligrams per square centimeter [mg/cm^2]) for lead. The following tables indicate the locations and estimated extents of LBP identified at the Site per building. See Sections 5.2 and 6.2 of this report for a more detailed breakdown.

Power Plant		
Location	**Current Surface Paint Color**	**Estimated Extent**
Exterior		
Door	Green	170 sq. ft.
Door Frame	Green	100 LF
Window Sash	Green	2,350 LF
Interior		
Door	Brown	50 sq. ft.
	Dark Brown	100 sq. ft.
	Green	25 sq. ft.
	White	25 sq. ft.
Wall	Cream	1,200 sq. ft.
	Dark Brown	650 sq. ft.
	White	3,000 sq. ft.
Window Frame	White	1,000 LF

Notes:
LF = linear feet
sq. ft. = square feet

Barn		
Location	**Current Surface Paint Color**	**Estimated Extent**
Exterior		
Door	Green	150 sq. ft.
Door Jamb	Green	30 LF
Interior		
Door	Green	230 sq. ft.

Notes:
LF = linear feet
sq. ft. = square feet

Shop		
Location	**Current Surface Paint Color**	**Estimated Extent**
Exterior		
Door	Green	150 sq. ft.
Trim	Green	60 LF
Window Sash	Green	720 LF
Interior		
Door	Green	230 sq. ft.

Notes:
LF = linear feet
sq. ft. = square feet

Trailer		
Location	**Current Surface Paint Color**	**Estimated Extent**
Exterior		
Wall	Dark Brown	60 sq. ft.

Notes:
sq. ft. = square feet

Little House		
Location	**Current Surface Paint Color**	**Estimated Extent**
Exterior		
Wall	White	150 sq. ft.

Notes:
sq. ft. = square feet

Based on the XRF results, elevated lead concentrations are present on door components, window components, walls, and/or trim in all five buildings at the Site. The preceding tables list the location, current surface paint color, and estimated extent of LBP present at the Site. Although there were positive readings on building exterior surfaces, no bare soils were present around the locations of the readings. Therefore, lead impacts to surface soil were not evaluated. LBP is considered to be a COC at the Site.

Polychlorinated biphenyls (PCBs), Mercury, and Mold

Visual inspections were conducted to identify possible polychlorinated biphenyl (PCB)-containing equipment, mercury-containing equipment, and mold**.** A summary of the observations regarding the visual inspections conducted are presented below:

- Of the light ballasts observed, potential PCB-containing ballasts were only identified in the Barn and Maintenance Shop. None of the light fixtures observed in the buildings appeared to be leaking fluids. Additionally, five transformers which are currently or have previously leaked in the past, are believed to have PCBs present as indicated in building sediment sample results (WESTON, 2017c). PCBs are also assumed to be present in lubrication oils and grease of the coal delivery system, compressed air lines, boilers, ash handling systems, and switch gears (GEI, 2000). PCBs are considered COCs in relation to the Site.
- One mercury thermostat switch was observed in the Trailer at the Site. Mercury is considered a COC in relation to the Site.
- Mold was encountered throughout the Power Plant and in the Barn at the Site. Mold is considered a COC in relation to the Site.

SUMMARY OF RECOMMENDATIONS

Based on the results of the environmental assessment, START recommends the following:

- START recommends consulting with the Wyoming Department of Environmental Quality (WDEQ) Air Quality Division (AQD) Asbestos Program regarding the path forward for cleanup of ACM at the Site. Due to the extensive amount of asbestos identified, the remedial option selected for ACM will likely be the primary driver for remediation of all

hazardous building materials identified at the Site. Possible remediation options for discussion may include constructing an asbestos landfill on-site or abatement and off-site disposal. Regardless, START recommends contracting an accredited asbestos remediation company to help determine and/or implement appropriate remedial actions to address the ACM at the Site during the cleanup phase of redevelopment. Any work conducted should be performed by companies certified to handle ACM materials.

- Remove and properly dispose of the tote of friable pipe insulation debris located on the southwest portion of the property next to the railroad tracks. Additional assessment of exterior surface soils using an Incremental Sampling Methodology will be needed to delineate the extent and depth of the asbestos impacts. Activity based sampling is recommended for exposure assessments (WDEQ, 2014).
- START recommends contracting an accredited lead remediation company to determine appropriate remedial actions and/or disposal requirements to address the LBP at the Site during the cleanup phase of redevelopment (e.g., encapsulation, chemical striping, removal, etc.). Additional paint chip samples may be collected to confirm LBP. Dust control methods should be implemented for the debris and it is recommended that all work be performed by an EPA Lead-Safe certified firm. Toxicity Characteristic Leaching Procedure (TCLP) samples will be required for on-site or off-site disposal as per the WDEQ Solid and Hazardous Waste Division requirements (WDEQ, 2015).
- PCB-containing equipment identified or encountered should be properly removed and disposed prior to renovation or demolition activities. Additional sampling of equipment and concrete in the basement of the Power Plant, especially below the transformers, may be necessary prior to on-site or off-site disposal in order to comply with the Toxic Substance Control Act.
- All mercury-containing thermostat switches identified or encountered should be properly removed and disposed prior to renovation or demolition activities.
- Mold should be controlled during demolition (e.g., dust control, ventilation, etc.) or remediated by a certified restoration company, as necessary pending the remediation options selected for the Site.
- As a safety precaution, do not enter the Power Plant or Barn without developing a site-specific health and safety plan. Affix warning signs as described in 29 CFR 1910.1001 to all entrances of buildings with asbestos present.

This summary is intended to be a general description of the scope of work, results, conclusions, and recommendations identified as a result of the Phase II ESA of the Site; however, this section is not intended to be a "stand alone" document or to include the basis of all conclusions presented. The report should be read and used in its entirety. Information included in this section is subject to the scope of services and limitations noted in the original TDD and in this complete report.

1.0 INTRODUCTION

1.1 SCOPE OF WORK AND PURPOSE

The Weston Solutions, Inc. (WESTON) Superfund Technical Assessment and Response Team (START) conducted a Phase II Environmental Site Assessment (ESA) for the Acme Power Plant located at 165 Acme Road, Sheridan, Wyoming (WY) (Site) (Figure 1). The ESA was conducted in accordance with Technical Direction Document (TDD) 0003/1609-07 and ASTM, International (ASTM) E1903-11 – Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process. The purpose of a Phase II ESA is to acquire and evaluate information sufficient to achieve the objectives set forth in the Statement of Objectives (SOO) developed by the user(s) and the Phase II Assessor. The scope of a Phase II ESA is related to the activities agreed upon to meet the objectives of the investigation as defined in the SOO which are subject to ongoing evaluation and refinement as the assessment progresses. The SOO developed for this Site is presented in Section 1.2.

This Phase II ESA report contains the results of the data collection activities and associated quality assurance (QA)/quality control (QC) measures conducted related to the hazardous building material portion of the overall Phase II ESA investigation at the Site. Activities and results regarding other media investigated during the Phase II ESA (e.g., drilling, sub-surface soils, groundwater, etc.) are presented in a separate report (WESTON, 2017c). Information used to conduct this Phase II ESA was based upon reasonably ascertainable, visually and physically observable conditions, and included testing or sampling of materials. The structure of this report is based on the ASTM E1903-11 standard.

1.2 STATEMENT OF OBJECTIVES

The objectives were developed by the Sheridan County Conservation District (SCCD) (user), START (Phase II Assessor), and the United States Environmental Protection Agency (EPA) to obtain sound, scientifically valid data concerning actual property conditions at the Site with respect to the presence or the likely presence of target analytes/substances including, but not limited to, those within the scope of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The SOO for the Site were determined during the project scoping meetings held on November 14th, 2016 and January 12th, 2017. The Phase II ESA objectives determined for the Site were as follows:

- Assess and evaluate suspected contaminants that may be present at the Site. Develop sufficient information to reasonably render a professional opinion that, with respect to the potential concerns assessed, hazardous substances either are or are not present at the property, including the concentrations of the substances if present;
- Gather and provide sufficient data to assist the Targeted Brownfield Assessment (TBA) recipient to make informed decisions with regard to the future use of the property; and
- Gather sufficient data to provide cost estimates for properly disposing hazardous materials, if necessary.

2.0 SUMMARY OF BACKGROUND INFORMATION

Sheridan County Conservation District (SCCD) is interested in cleaning up any contamination present as part of water quality improvement efforts for the Tongue River Watershed and potentially for future recreational use of the location. Prior to redevelopment, stakeholders would like to determine the location and extent of contaminants before moving forward.

2.1 PROPERTY DESCRIPTION, LOCATION, AND HISTORY

The Site is approximately 5.8 acres located on the south bank of the Tongue River, approximately 0.4 miles west of the confluence of the Tongue River and Goose Creek. The property was previously owned by Diversified Resources LLC, which is listed as an "Inactive-Administratively Dissolved" entity. The Sheridan County Conservation District (SCCD) assumed ownership in June 2017 after completion of a Phase I ESA by START (WESTON, 2017a). The former Acme Power Plant was a coal-fired power plant that supplied power to the Acme Mine and surrounding area. The power plant was constructed in 1910, with additions to the plant in 1947 and 1953. After the power plant ceased operation sometime in the late-1960s to early-1970s, the Site was used for other commercial operations, including but not limited to, car crushing and battery recycling activities. However, these activities were not conducted as registered businesses. The Site is currently abandoned and not being utilized for commercial or industrial purposes. There are currently five buildings at the Site (Figure 2), as described below:

- Power Plant: Five-story industrial building, with a basement, grated steel catwalks, a footprint of approximately 13,100 sq. ft., and several pieces of equipment still present.
- Barn: One-story barn structure, with a footprint of approximately 2,200 sq. ft., and a loft for storage.
- Shop: One-story maintenance building, with a footprint of approximately 1,300 sq. ft., and a loft for storage.
- Trailer: One-story building, with a crawlspace, a footprint of approximately 1,150 sq. ft., and consisting of two mobile homes joined into one.
- Little House: One-story building, with a footprint of approximately 85 sq. ft., and consisting of a single room.

The Phase I ESA performed by START (WESTON, 2017a), highlighted the possibility of asbestos-containing material (ACM), lead-based paint (LBP), and other environmental hazards being present, due to the age of the buildings. This Phase II ESA was performed as a result of the conclusions of the Phase I ESA.

2.2 PREVIOUS ENVIRONMENTAL REPORTS AND RECORDS

Previous environmental reports and/or records, if available, were obtained by START from various sources, including local agencies, and reviewed for information relating to the Site. A summary of records obtained is provided in the following table.

Document Reviewed	Description
Document: TBA Application **Prepared for:** EPA **Prepared by:** SCCD **Date:** 2016 **Report Source:** EPA	**Document Summary:** The application gives brief summaries of site background information and environmental conditions at the subject property (including potential contaminants). The application also provides contact names(s) and phone numbers for stakeholders, and potential redevelopment plans. **Information Relating to the Subject Property:** The property was historically utilized as a coal-fired power plant for the Acme Mine between 1910 and 1964. Following the closure of the plant, the property was repurposed for other various commercial operations, including car crushing, salvage operations, and battery recycling activities before being abandoned. SCCD was interested in acquiring the property and cleaning it up as part of water quality improvement efforts for the Tongue River Watershed. The intent is to clean up the site so that it can be used for recreational purposes including access to the Tongue River, picnicking, bird watching, hiking, etc. Although exact redevelopment plans are unknown, the subject property is an ideal area for recreational and green space uses.
Document: Phase I ESA (WESTON, 2017a) **Prepared for:** EPA **Prepared by:** WESTON **Date:** 2017 **Report Source:** WESTON	**Document Summary:** This Phase I ESA revealed the following recognized environmental conditions: existing stained surface soil and stressed vegetation, drum storage areas, previous undocumented activities, transformer spill of PCB-containing oil, coal ash pile, and historic coal-fired power plant operations. Non-scope considerations identified include: observed mold growth and ACM, LBP, mercury-containing equipment, and PCB-containing equipment due to the age of the buildings. **Information Relating to the Subject Property:** Historically the property was used as a coal-fired electric power plant from 1910 to 1964 and later for various commercial operations including car crushing and auto salvage operations, and battery recycling activities. Additions to the power plant were completed in 1947 and 1953. The Tongue River runs through the northern side of the property, which contains one large brick building, a brick storage warehouse, a metal garage, a modular trailer and several mobile trailers. There is also a large amount of various types of debris on the property. On the north edge of the property and on the north bank of the Tongue River lies a portion of the power plant's associated coal ash pile.

3.0 DESCRIPTION OF WORK PERFORMED AND RATIONALE

This section summarizes the work performed and rationale for the work conducted to meet the SOO developed for the investigation as documented in the approved Sampling and Analysis Plan (SAP) for the Site (WESTON, 2017b). Deviations from the approved SAP for this Phase II ESA are presented in Section 3.4.

Based upon the SOO developed for the Site, ACM and LBP surveys were conducted on the five buildings at the Site along with visual inspections for polychlorinated biphenyl (PCB)-containing equipment (e.g., fluorescent light ballasts, transformers, etc.), mercury-containing equipment (e.g., thermostat switches), and mold as part of this Phase II ESA. The investigation included visual inspection, field screening, and/or sample collection for laboratory analysis. Details of the individual media investigations along with rationale are presented below. Photographs of field activities are presented in the Photograph Log (Appendix A). The Phase II fieldwork was conducted between May 31st and June 4th, 2017.

3.1 ASBESTOS-CONTAINING MATERIAL

This Phase II ESA involved an ACM survey, including the collection of bulk asbestos samples and soil samples, in order to establish the extent and presence of ACM. The survey was conducted by Asbestos Hazard Emergency Response Act (AHERA) certified asbestos building inspectors: Mr. Michael Cherny and Mr. Joe Rudi. Visual inspections were conducted on areas of the structures where an individual performing demolition or renovation operations may encounter regulated asbestos-containing material (RACM). Sample locations and the total number of samples were based on AHERA standards (EPA, 1985) and/or the best professional judgment of the inspector. Each potential RACM location was touched to determine if it was friable. Bulk samples were collected of all suspect friable and non-friable RACM and submitted to an asbestos-certified laboratory for analysis. Discrete exterior surface soil samples were collected in areas adjacent to doors and suspect material debris piles.

3.2 LEAD-BASED PAINT

Due to the age of the buildings at the Site, this Phase II ESA involved a LBP survey by EPA Certified LBP Inspector: Mr. Michael Cherny. In order to conduct the LBP survey, an X-ray fluorescence (XRF) instrument was used on painted surface locations to determine if materials were positive for lead (≥1 milligram per square centimeter [mg/cm^2]). Visual inspections were conducted on areas of the buildings and XRF readings were collected based upon the best professional judgment of the inspector.

3.3 VISUAL INSPECTIONS

Visual inspections were conducted for potential PCB-containing equipment, mercury-containing equipment, and mold. The visual inspections were conducted in order to make a presence/non-presence determination of the hazards. Quantity and location information was documented where possible, but no samples were collected.

3.4 DEVIATIONS FROM THE SAMPLING AND ANALYSIS PLAN

Due to the ongoing evaluation and refinement of the SOO, changes can occur to the approved SAP based upon site conditions encountered. A list of the deviations from the approved SAP are presented below.

- Sample nomenclature was modified to include a building identifier letter:
    - "P" for Power Plant,
    - "B" for Barn,
    - "M" for Maintenance Shop,
    - "H" for Little House, and
    - "T" for Trailer).

No other deviations from the approved SAP were identified during this Phase II ESA.

4.0 DESCRIPTION OF METHODS USED

4.1 ASBESTOS-CONTAINING MATERIAL

Asbestos Bulk Sampling

Personnel performing the sampling wore personal protective equipment (PPE) appropriate to the hazard(s) presented and included gloves, Tyvek, booties, hard hats, and/or high-efficiency particulate air (HEPA) respiratory protection. Asbestos bulk samples were randomly collected using the grid system described in the EPA publication "Asbestos in Buildings – Simplified Sampling Scheme for Friable Surfacing Materials" (EPA, 1985). The following general sampling guidelines were followed during the inspection, as applicable:

- In areas where homogeneous suspected RACM (surfacing) was less than 1,000 square feet (sq. ft.), three randomly collected bulk samples were collected from each area;
- In areas where homogeneous suspected RACM (surfacing) was at least 1,000 sq. ft., but less than 5,000 sq. ft., five randomly collected bulk samples were collected from each area;
- In areas where homogeneous suspect RACM (surfacing) was at least 5,000 sq. ft., seven randomly selected bulk samples were collected from each area;
- At least three samples were collected from thermal systems insulations (TSI);
- At least one sample was taken from pipe fittings; and
- For miscellaneous materials, a minimum of one bulk sample was collected for each type.

Quality Assurance (QA)/Quality Control (QC)

Side-by-side field duplicate samples were collected at the frequency of one per 20 bulk samples. A brown fibrous debris layer (reported at 40% asbestos) was noted by the lab in sample APP-P-PL01-040, but was not reported as a layer in the duplicate sample APP-P-PL01-110. This additional layer is thought to be general debris present in the sampling area and not representative of the plaster itself. No other discrepancies were reported in the laboratory results and all results are considered acceptable.

Laboratory Analytical Methods

Samples collected were sent to Reservoirs Environmental Inc. in Denver, Colorado (CO) for polarized light microscopy (PLM) analysis by Method EPA 600/R-93/116 to determine a visual estimation of asbestos content and, if applicable, Method EPA 600/R-93/116 (400 Point Count).

4.2 LEAD-BASED PAINT

XRF Readings

XRF in-situ readings were collected using an Innov-X Alpha Series™ handheld XRF instrument to analyze painted and coated surfaces (interior and exterior) for lead during this Phase II ESA.

XRF readings of walls, windows, and other painted surfaces in each room equivalent were collected. Room equivalents include painted or coated surfaces that are not considered to be separate rooms such as hallways and closets. A representative number of sample readings were collected from a subset of rooms considered by the certified LBP inspector to be of like coated surfaces.

In general, locations where the paint appeared to be thickest were selected for XRF analysis. Locations where paint was worn away or scraped off were avoided. Areas over pipes, electrical surfaces, nails, and other possible interferences were also avoided. The XRF probe faceplate was allowed to lie flat against the surface of the test location to obtain a quality reading.

QA/QC

The following QA/QC activities were conducted as part of this investigation:

- XRF Standardization Readings – XRF standardization readings were collected prior to use, every four hours during use (as applicable), and following use to verify accuracy.

No other QA/QC activities or sample types were required based upon the assessment techniques and sample collection methods. Based on the results of the standardization readings, all results reported are considered acceptable. Results of the QA/QC readings are presented in Table 5.

Laboratory Analytical Methods

Due to no inconclusive readings reported by the XRF instrument, no paint chip samples were collected for laboratory analysis.

4.3 PCBS, MERCURY, AND MOLD

Visual Inspections

Visual inspections were conducted for presence/non-presence determination for possible PCB-containing equipment, mercury thermostat switches, and mold. Suspect hazards encountered, if any, were documented in field notes and/or photographed.

5.0 PRESENTATION OF INFORMATION AND DATA ACQUIRED

5.1 ASBESTOS-CONTAINING MATERIAL

5.1.1 Power Plant

A total of 79 bulk samples were collected from the Power Plant building and submitted for PLM analysis. The following number of samples were collected of each bulk material.

Bulk Material	Number of Samples Collected
Drywall or Joint Compound	6
Fiberboard	1
Insulation (Boiler, Evaporator, Fan, Pipe, Wire)	43
Insulation Debris	7
Miscellaneous	6
Pipe Joint	5
Plaster	9
Roofing Material – Silver Coating	1
Window Caulk	1

In addition, the following assumptions and items of note were observed during the ACM survey:

- When appropriate, samples were collected from areas of the building material already damaged or disturbed.
- The Power Plant building featured three main boiler/furnace systems: Steam Boiler Unit (Boiler-Furnace-Superheater-Airheater), four Heine Boilers, and a Detroit Stoker Boiler. The Heine Boiler and Steam Boiler Unit both had adjacent rooms thought to have historically held the steam turbines and generators, but are now mostly empty. Each system has several hoppers used for coal or coal ash present adjacent to the boiler doors. Ancillary units such as evaporators, blower fans, compressors, generators, surface water heaters, and deaerators are also prevalent throughout the building.
- The basement was not entered due to an excessive standing water hazard; however, portions of the basement were viewed from various locations, as available. Suspect insulation was observed in the basement as well as an insulating jacket on bottom ash hoppers for the Steam Boiler Unit.
- Based on the types of windows present, it is likely that the three boiler/furnace systems were constructed at different times to account for rising demand of power from the plant. Each boiler/furnace system was sampled as a separate homogenous area (HA).

- Suspect insulation was observed throughout the building on piping, pipe fittings, boiler/furnace units, evaporator units, blower units, and wires. Each system/unit was sampled as a separate HA.
- Six areas of pipe insulation debris were sampled as separate HAs on the various floors and catwalks of the Power Plant.
- Drywall samples included sheetrock, tape, compound, and/or texture components. The northern office area was the only place with sheetrock walls or ceilings. Plaster ceilings were present in the main turbine room and on the joints of the ceiling in the south turbine room.
- A suspect cement board was present on the wall between the Steam Boiler Unit and turbine room.
- All floors were concrete or grated steel catwalks.
- Suspect window caulking/glazing were present.
- No ceiling tiles or vinyl cove base were observed in the building.
- Fire-rated doors present are assumed to be ACM.
- Roofing was a flat surface with a silver coating.
- Miscellaneous materials sampled include an electrical panel, plaster on the Heine Boilers, brick caulking, a fire brick, and boiler door gasket.

5.1.2 Barn

A total of nine (9) bulk samples were collected from the Barn and submitted for PLM analysis. The following number of samples were collected of each bulk material.

Bulk Material	Number of Samples Collected
Insulations (hose, pipe, other)	4
Fiberboard	1
Manhole Gasket	2
Plaster	2

In addition, the following assumptions and items of note were observed during the ACM survey:

- When appropriate, samples were collected from areas of the building material already damaged or disturbed.
- Walls and the ceiling were corrugated metal and were not considered suspect materials.
- No suspect flooring was observed since the entire floor was concrete.

- No suspect window glazing was observed in the building.
- Ceiling tiles and vinyl cove base were not present in the building.
- The loft area was used for storage and had a box of suspect pipe insulation and some cement board present.
- There was a box of Johns-Manville Superex Combination Pipe Insulation observed on the east side of the barn. Additional suspect materials, such as a Flexitallic manhole gasket, plaster bags, loose insulation, and hose insulation were also observed.

5.1.3 Maintenance Shop

A total of 16 bulk samples were collected from the Maintenance Shop and submitted for PLM analysis. The following number of samples were collected of each bulk material.

Bulk Material	Number of Samples Collected
Brake Pad	1
Covering	1
Roofing Felt	1
Packing/Gaskets	9
Roofing Material - Tar	3
Window Caulk	1

In addition, the following assumptions and items of note were observed during the ACM survey:

- When appropriate, samples were collected from areas of the building material already damaged or disturbed.
- No suspect materials were observed on the walls as all walls were brick.
- No suspect flooring was observed since the entire floor was concrete.
- Suspect window caulking was observed at the Site.
- Ceiling tiles and cove base were not present in the building.
- Roofing material sampled include roofing tar on the perimeter and roofing felt paper below corrugated metal roofing.
- Suspect materials were observed in the loft area such as a one-gallon container of Asbestoline Semi-Plastic Roof Coating and Johns-Manville Fireite Asbestos Furnace Cement. These were not sampled and are assumed to contain asbestos. However, a roll of roofing felt also present was sampled.

- Additional suspect materials such as brake pads, coverings, felt, and Garlock mechanical packing/gaskets were observed in the shop.
- No insulations were observed on piping present in the building.

5.1.4 Trailer

A total of six (6) bulk samples were collected from the Trailer and submitted for PLM analysis. The following number of samples were collected of each bulk material.

Bulk Material	Number of Samples Collected
Drywall	3
Floor Tile	2
Roofing Material – Asphalt Shingles	1

In addition, the following assumptions and items of note were observed during the ACM survey:

- When appropriate, samples were collected from areas of the building material already damaged or disturbed.
- Drywall samples included sheetrock, compound, and/or texture components. Drywall was only present in the kitchen. The rest of the trailer had wooden sheeting or paneling for walls and ceilings.
- A wooden subfloor was present below all tiled and carpeted areas.
- No suspect window glazing was observed at the Site as all windows were vinyl or metal.
- Ceiling tiles, sink insulation, and cove base were not present in the building.
- Roofing was comprised of asphalt shingles.
- No suspect insulation was observed in the crawlspace or water heater closet.

5.1.5 Little House

Only one (1) bulk sample was collected from the Little House and submitted for PLM analysis as indicted in the following table.

Bulk Material	Number of Samples Collected
Linoleum	1

In addition, the following assumptions and items of note were observed during the ACM survey:

- When appropriate, samples were collected from areas of the building material already damaged or disturbed.

- Walls were comprised of wooden paneling.
- A wooden subfloor was present below the linoleum.
- Ceiling tiles and cove base were not present in the building.
- Roofing was comprised of asphalt shingles.

5.1.6 Soil Sampling

A total of four (4) exterior surface soil samples were collected at the Site and submitted for PLM analysis. The following assumptions and items of note were observed during the soil sampling:

- The first soil sample (APP-SO01-ACM) was taken adjacent to an open tote with what is assumed to be friable pipe insulation debris spilling onto the ground (Appendix A – Photograph 52).
- The remaining three soil samples (APP-SO02-ACM, APP-SO03-ACM, and APP-SO04-ACM) were collected near Power Plant doors located on the northwest, northeast, and southeast sides of the building.

5.2 LEAD-BASED PAINT

5.2.1 Power Plant

A total of 66 XRF readings were taken from the Power Plant. The following number of readings were collected from each area:

Location	Readings Count
Exterior	11
Interior	54
Roof	1

5.2.2 Barn

A total of seven (7) XRF readings were taken from the Barn. The following number of readings were collected from each area:

Location	Readings Count
Exterior	4
Interior	3

5.2.3 Maintenance Shop

A total of seven (7) XRF readings were taken from the Maintenance Shop. The following number of readings were collected from each area:

Location	Readings Count
Exterior	4
Interior	3

5.2.4 Trailer

A total of 16 XRF readings were taken from the Trailer. The following number of readings were collected from each area:

Location	Readings Count
Exterior	5
Interior	11

5.2.5 Little House

No XRF readings were collected from this building.

5.3 PCBS, MERCURY, AND MOLD

The following observations were made during the visual inspections:

- Light fixtures in the buildings primarily used fluorescent bulbs. None of the light fixtures observed in the buildings appeared to be leaking fluids. Of the ballasts inspected, none of the ballasts had "no PCB" markings. A total of six (6) potential PCB-containing ballasts were observed in the Barn and (6) potential PCB-containing ballasts were observed in the in the Maintenance Shop. Five (5) transformers were observed in the main turbine room of the Power Plant.
- One mercury thermostat switch was observed in the Trailer.
- Mold was encountered in the Barn and Power Plant buildings. Damp areas with moss growth were observed throughout the Power Plant and a moldy odor was noted in the basement.

6.0 EVALUATION AND INTERPRETATION OF INFORMATION, DATA, AND RESULTS

The evaluation and interpretation of the information, data, and results for the Phase II ESA are presented below. This section summarizes the field screening data and laboratory results obtained to identify the location and extent of contamination. Benchmarks used for comparison are listed below:

ACM

- **Asbestos-Containing Materials in Schools Rule (40 Code of Federal Regulations [CFR] Part 763, Subpart E).** ACM is defined as any material containing more than one percent (1%) asbestos.
- **Asbestos-Contaminated Soil HW/VRP Guidance Document (WDEQ, 2014).** Asbestos-contaminated soil is defined as having any detectable asbestos in soil.

LBP

- **U.S. Department of Housing and Urban Development (HUD) Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (2012 Edition).** The HUD benchmark for lead-based paint is greater than or equal to 1.0 milligrams per centimeter square ($\geq$1.0 mg/cm^2).

The locations of samples and/or extent of hazardous building materials exceeding benchmarks are depicted on Figures 3 - 14. Field readings and laboratory results for the samples collected are summarized in Tables 1 - 5. Photographs of the field activities conducted are presented in Appendix A. Copies of the laboratory reports are presented in Appendix B. Copies of the field notes and sample collection maps are presented in Appendix C.

6.1 ASBESTOS-CONTAINING MATERIAL

6.1.1 Power Plant

Of the 79 samples submitted for laboratory analysis, 59 samples were reported as "positive" (>1% asbestos) or trace (<1% asbestos) for asbestos. Asbestos results ranged from trace to 80% total asbestos. Of the 59 samples, three (3) were reanalyzed by point count analysis. Of the three samples reanalyzed by point count analysis, one trace sample (APP-P-PL01-110) was point counted below one and is not considered to be ACM. In all, 58 samples collected from the Power Plant were confirmed ACM. The following table indicates the type, condition, and number of samples identified as ACM.

Identified ACM	Condition	Number of ACM Samples
Boiler Insulation	Friable	3

Identified ACM	Condition	Number of ACM Samples
Brick Caulk	Non-friable	1
Brick Plaster	Friable	1
Door Insulation	Non-friable	1
Electrical Panel	Non-friable	1
Equipment Jackets	Friable	17
Fiberboard	Non-friable	1
Fire Brick	Friable	1
Insulation Debris	Friable	7
Pipe Insulation	Friable	15
Pipe Joints	Friable	5
Plaster[1]	Friable	3
Roofing Material – Silver Coating	Non-friable	1
Wire Insulation	Non-friable	1

Notes:
[1] = Insulation debris attached to the plaster was found to be ACM

ACM sample collection locations and approximate extents for the Power Plant are presented on Figures 4 - 9. The confirmed ACM sample IDs, the asbestos-containing layer(s), and the estimated volume of ACM material is presented in Table 1. Sample(s) point counted below one and not considered to be ACM is presented in Table 2. A list of the samples collected that were reported as non-detect for asbestos are presented in Table 3.

Interpretation of Results

All roofing material, pipe insulation debris, fire bricks, linear pipe insulation, pipe fittings, and equipment jackets (e.g., boiler, evaporator, blower fan, deaerator, and surface water heater) were confirmed to be ACM. Additional components of the boilers such as Detroit Stoker insulation, Heine Boiler caulking and plaster, and door gaskets on the Steam Boiler Unit were confirmed to be ACM. A cement fiberboard between the Steam Boiler Unit and the turbine room was confirmed to be ACM. Only the wire insulation coming from an induction motor for the blower on the 5th level was confirmed to be ACM. The following materials were assumed to be ACM: fire doors, furnace bricks and cement, and pipe flange gaskets.

Based on the laboratory results reported for the 58 confirmed ACM samples, asbestos is present in the Power Plant. ACM is considered to be a contaminant of concern (COC) in relation to the Site. The following table indicates the location and estimated extent of ACM identified in the Power Plant.

ACM Material	Location	Estimated Extent
Boiler Insulation	Detroit Stoker	150 sq. ft.
Brick Caulk	Heine Boiler	50 LF
Brick Plaster	Heine Boiler	1,000 sq. ft.
Door Insulation	Steam Boiler Unit	5 sq. ft.
Electrical Panel	South Turbine Room	1 panel
Equipment Jackets	Throughout Building	4,330 sq. ft.
Fiberboard	South Rooms	1,500 sq. ft.
Fire Brick	2nd Level Catwalk	10 sq. ft.
Fire Doors	South Rooms	3 Doors
Furnace Bricks and Cement	Boilers	6,000 sq. ft.
Insulation Debris	Throughout Building	1,380 cu. ft.
Pipe Flange Gaskets	Throughout Building	200 Gaskets
Pipe Insulation	Throughout Building	1,420 LF
Pipe Joints	Throughout Building	356 Joints
Plaster[1]	Main Turbine Rooms	5,850 sq. ft.
Roofing Material – Silver Coating	Roof	13,500 sq. ft.
Wire Insulation	5th Level Catwalk	50 LF

Notes:
[1] = Insulation debris attached to the plaster was found to be ACM
cu. ft. = cubic feet
LF = linear feet
sq. ft. = square feet

6.1.2 Barn

Of the nine (9) samples submitted for laboratory analysis, five (5) samples were reported as "positive" (>1% asbestos) for asbestos. Asbestos results ranged from 13% to 80% total asbestos. The following table indicates the type, condition, and number of samples identified as ACM.

Identified ACM	Condition	Number of ACM Samples
Fiberboard	Non-friable	1
Manhole Gasket	Non-friable	2
Pipe Insulation	Friable	2

ACM sample collection locations and approximate extent of ACM are presented in Figure 10. The confirmed ACM sample IDs, the asbestos-containing layer(s), and the estimated extent of ACM

material is presented in Table 1. A list of the samples collected that were reported as non-detect for asbestos are presented in Table 3.

Interpretation of Results

Remnants of fiberboard in the loft area were confirmed to be ACM. One box of Johns-Manville Superex Combination Pipe Insulation and a box of loose pipe insulation were confirmed to be ACM. Additionally, Flexitallic manhole gaskets were confirmed to be ACM. These materials confirmed to be ACM are assumed to also be used in the Power Plant itself since the Barn was used as storage.

Based on the laboratory results reported for the five confirmed ACM samples, asbestos is present in the building at the Site. ACM is considered to be a COC in relation to the Site. The following table indicates the location and estimated extent of ACM identified at the Site.

ACM Material	Location	Estimated Extent
Fiberboard	Loft	80 sq. ft.
Manhole Gasket	Main Level	14 rolls
Pipe Insulation	Main Level and Loft	2 boxes

Notes:
sq. ft. = square feet

6.1.3 Maintenance Shop

Of the 16 samples submitted for laboratory analysis, 11 samples were reported as "positive" (>1% asbestos) for asbestos. Asbestos results ranged from 12% to 75% total asbestos. The following table indicates the type, condition, and number of samples identified as ACM.

Identified ACM	Condition	Number of ACM Samples
Brake Pad	Non-friable	1
Covering	Non-friable	1
Packing/Gasket	Non-friable	8
Roofing Material - Tar	Non-friable	1

ACM sample collection locations and approximate extent of ACM are presented in Figures 11 and 12. The confirmed ACM sample IDs, the asbestos-containing layer(s), and the estimated extent of ACM material is presented in Table 1. A list of the samples collected that were reported as non-detect for asbestos are presented in Table 3.

Interpretation of Results

Roofing tar on the perimeter of the roof was confirmed to be ACM. Several products such as Garlock packing/gaskets, brake pads, and pipe coverings were confirmed to be ACM. Asbestoline

Semi-Plastic Roof Coating and Johns-Manville Fireite Asbestos Furnace Cement observed in the loft area were assumed to be ACM. These products were assumed to have been used in the power plant itself and may be present in the machinery and/or furnaces.

Based on the laboratory results reported for the 11 confirmed ACM samples, asbestos is present in the building at the Site. ACM is considered to be a COC in relation to the Site. The following table indicates the location and estimated extent of ACM identified at the Maintenance Shop.

ACM Material	Location	Estimated Extent
Asbestoline and Fireite	Loft	2 gallons
Brake Pad	Main Level	3 pads
Covering	Main Level	5 LF
Packing/Gasket	Main Level	8 rolls and 3 gaskets
Roofing Material	Roof	110 LF

Notes:
LF = linear feet

6.1.4 Trailer

Of the six (6) samples submitted for laboratory analysis, none of the samples were reported as "positive" (>1% asbestos) or trace (<1% asbestos) for asbestos. A list of the samples collected that were reported as non-detect for asbestos is presented in Table 3.

Interpretation of Results

Based on the laboratory results reported for the bulk samples, asbestos is not present in the Trailer at the Site. ACM is not considered to be a COC for the building in relation to the Site.

6.1.5 Little House

The one (1) sample submitted for laboratory analysis from the Little House was reported as "positive" (>1% asbestos) for asbestos at 25%. The following table indicates the type, condition, and number of samples identified as ACM.

Identified ACM	Condition	Number of ACM Samples
Linoleum	Friable	1

The sample location and approximate extent of ACM are presented in Figure 14. The confirmed ACM sample, the asbestos-containing layer, and the estimated extent of ACM material is presented in Table 1.

Interpretation of Results

The orange linoleum was confirmed to be ACM. Based on the laboratory result reported for the confirmed ACM sample, asbestos is present in the Little House. ACM is considered to be a COC in relation to the Site. The following table indicates the location and estimated extent of ACM identified in the Little House.

ACM Material	Location	Estimated Extent
Linoleum	Main Level	80 sq. ft.

Notes:
sq. ft. = square feet

6.1.6 Soil Sampling

Of the four samples submitted for laboratory analysis, all samples were reported as "trace" (<1% asbestos) for asbestos. The soil sample collection locations are presented in Figure 3. The soil sample results are presented in Table 4.

Interpretation of Results

The presence of trace amounts of asbestos in exterior surface soils located outside the door of the Power Plant indicates friable asbestos fibers are migrating beyond the walls of the Power Plant building. It is believed that fibers are migrating to exterior soils through open doors or damaged windows. The tote of friable pipe insulation debris is also releasing asbestos fibers into the air and soil.

Based on the laboratory result reported for the soil samples, asbestos sourced from inside the Power Plant and debris at the Site is present in the exterior soils. Asbestos is considered to be a COC in relation to the Site. The following table indicates the location and type of asbestos identified at the Site.

Sample ID	Asbestos Type (% Composition)	Location
APP-SO01-ACM	Chrysotile Trace	Southwest by insulation debris tote
APP-SO02-ACM	Chrysotile Trace	Northwest door
APP-SO03-ACM	Chrysotile Trace	Southeast door
APP-SO04-ACM	Chrysotile Trace	Northeast door

6.2 LEAD-BASED PAINT

6.2.1 Power Plant

Of the 66 XRF readings taken from the building, a total of 20 readings were positive for LBP contamination (≥1 mg/cm^2). The following table indicates the location, current surface paint color, and percent lead for LBP identified in the Power Plant.

Location (# of Positive Readings)	Current Surface Paint Color	% LBP (± Error)
Exterior		
Door (3)	Green	2.3 mg/cm^2 (± 0.21) to 4.99 mg/cm^2 (± 0.42)
Door Frame (1)	Green	1.19 mg/cm^2 (± 0.08)
Window Sash (1)	Green	3.37 mg/cm^2 (± 0.28)
Interior		
Door (6)	Brown	2.28 mg/cm^2 (± 0.24)
	Dark Brown	1.11 mg/cm^2 (± 0.06) to 3.67 mg/cm^2 (± 0.5)
	Green	2.88 mg/cm^2 (± 0.26)
	White	5 mg/cm^2 (± 0.45)
Wall (7)	Cream	1 mg/cm^2 (± 0.04)
	Dark Brown	1 mg/cm^2 (± 0.06 to 0.09) to 1.13 mg/cm^2 (± 0.06)
	White	1 mg/cm^2 (± 0.04 to 0.08)
Window Frame (2)	White	3.81 mg/cm^2 (± 0.62) to 3.82 mg/cm^2 (± 0.36)

A complete list of LBP readings is presented in Table 5. The location and approximate extent of LBP identified in the Power Plant is presented on Figures 5 and 7.

Interpretation of Results

Based on the XRF results, elevated lead concentrations are present on the door components, window components, and walls on the interior and exterior of the Power Plant. The following table lists the location, current surface paint color, and estimated extent of LBP identified. Although there were positive readings on the exterior, no bare soils were present around the location of the readings; therefore, lead impacts to surface soil were not evaluated. LBP is considered to be a COC at the Site.

Location	Current Surface Paint Color	Estimated Extent
Exterior		
Door	Green	170 sq. ft.
Door Frame	Green	100 LF
Window Sash	Green	2,350 LF

Location	Current Surface Paint Color	Estimated Extent
Interior		
Door	Brown	50 sq. ft.
	Dark Brown	100 sq. ft.
	Green	25 sq. ft.
	White	25 sq. ft.
Wall	Cream	1,200 sq. ft.
	Dark Brown	650 sq. ft.
	White	3,000 sq. ft.
Window Frame	White	1,000 LF

Notes:
LF = linear feet
sq. ft. = square feet

6.2.2 Barn

Of the seven (7) XRF readings taken from the building, five (5) readings were positive for LBP contamination (≥1 mg/cm^2). The following table indicates the location, current surface paint color, and percent lead for LBP identified at the Barn.

Location (# of Positive Readings)	Current Surface Paint Color	% LBP (± Error)
Exterior		
Door (3)	Green	1.03 mg/cm^2 (± 0.04)
Door Jamb (1)	Green	2.05 mg/cm^2 (± 0.19) to 4.59 mg/cm^2 (± 0.38)
Interior		
Door (1)	Green	4.96 mg/cm^2 (± 0.45)

A complete list of LBP readings is presented in Table 5. The location and approximate extent of LBP identified in the Barn is presented on Figure 10.

Interpretation of Results

Based on the XRF results, elevated lead concentrations are present on the door components on the interior and exterior of the Barn. The following table lists the location, current surface paint color, and estimated extent LBP present at the Site. Although there were positive readings on the exterior, no bare soils were present around the location of the readings; therefore, lead impacts to surface soil were not evaluated. LBP is considered to be a COC at the Site.

Location	Current Surface Paint Color	Estimated Extent
Exterior		
Door	Green	150 sq. ft.
Door Jamb	Green	30 LF
Interior		
Door	Green	230 sq. ft.

Notes:
LF = linear feet
sq. ft. = square feet

6.2.3 Maintenance Shop

Of the seven (7) XRF readings taken from the building, a total of five (5) readings were positive for LBP contamination (≥1 mg/cm^2). The following table indicates the location, current surface paint color, and percent lead for LBP identified at the Maintenance Shop.

Location (# of Positive Readings)	Current Surface Paint Color	% LBP (± Error)
Exterior		
Door (2)	Green	2.52 mg/cm^2 (± 0.23) to 2.58 mg/cm^2 (± 0.22)
Trim (1)	Green	3.52 mg/cm^2 (± 0.3)
Window Sash (1)	Green	1.76 mg/cm^2 (± 0.16)
Interior		
Door (1)	Green	1.99 mg/cm^2 (± 0.19)

A complete list of LBP readings is presented in Table 5. The location and approximate extent of LBP identified is presented on Figure 11.

Interpretation of Results

Based on the XRF results, elevated lead concentrations are present on the doors, trim, and window sashes in the building. The following table lists the location, current surface paint color, and estimated extent LBP present. Although there were positive readings on the exterior, no bare soils were present around the location of the readings; therefore, lead impacts to surface soil were not evaluated. LBP is considered to be a COC at the Site.

Location	Current Surface Paint Color	Estimated Extent
Exterior		
Door	Green	150 sq. ft.

Location	Current Surface Paint Color	Estimated Extent
Trim	Green	60 LF
Window Sash	Green	720 LF
Interior		
Door	Green	230 sq. ft.

Notes:
LF = linear feet
sq. ft. = square feet

6.2.4 Trailer

Of the 16 XRF readings taken from the building, only one (1) reading was positive for LBP contamination (≥1 mg/cm^2). The following table indicates the location, current surface paint color, and percent lead for LBP identified at the Trailer.

Location (# of Positive Readings)	Current Surface Paint Color	% LBP (± Error)
Exterior		
Wall (1)	Dark Brown	1 mg/cm^2 (± 0.03)

A complete list of LBP readings is presented in Table 5. The location and approximate extent of LBP identified at the Trailer is presented on Figure 13.

Interpretation of Results

Based on the XRF results, elevated lead concentrations are present on an exterior wall of the trailer. The following table lists the location, current surface paint color, and estimated extent of LBP present at the Site. Although there was a positive reading on the exterior, no bare soils were present around the location of the reading; therefore, lead impacts to surface soil were not evaluated. LBP is considered to be a COC at the Site.

Location	Current Surface Paint Color	Estimated Extent
Exterior		
Wall	Dark Brown	60 sq. ft.

Notes:
sq. ft. = square feet

6.2.5 Little House

Paint on the Little House is assumed to be LBP. The location and approximate extent of LBP identified is presented on Figure 14.

Interpretation of Results

The following table lists the location, current surface paint color, and estimated extent LBP present at the Little House. Lead impacts to surface soil were not evaluated. LBP is considered to be a COC at the Site.

Location	Current Surface Paint Color	Estimated Extent
Exterior		
Wall	White	150 sq. ft.

Notes:
sq. ft. = square feet

6.3 PCBS, MERCURY, AND MOLD

The following additional items were noted:

- Of the light ballasts observed, potential PCB-containing ballasts were only identified in the Barn and Maintenance Shop. None of the light fixtures observed in the buildings appeared to be leaking fluids. Additionally, five transformers were confirmed to have PCBs present and are likely leaking, as indicated in sediment sample results (WESTON, 2017c).
- One mercury thermostat switch was observed in the trailer at the Site.
- Mold was encountered at the Site.

Interpretation of Results

- Based on the visual inspections, PCBs are considered COCs at the Site.
- Based on the visual inspections, mercury is considered a COC at the Site.
- Based on the visual inspections, mold is considered a COC at the Site.

6.4 CONCEPTUAL SITE MODEL

Per ASTM E1903-11 (Section 6.4.6), validation of the conceptual site model is conducted by evaluating testing results and other investigation findings to determine whether available information is sufficient to support sound conclusions regarding the presence of the target analytes. The presence of the target analytes investigated as part of this Phase II ESA along with the current exposure pathways, as applicable, for the Site is presented in the following table.

Target Analytes	Media	Contaminants Present Above Screening Benchmarks	Exposure Pathway	Exposure Route	Human Receptors		
					Residential	Workers	Visitors/ Trespassers
ACM	Building Materials and Soil	Yes	Potentially Complete	Dermal	--	X	X
				Ingestion	--	X	X
				Inhalation	--	X	X
LBP	Building Materials	Yes	Potentially Complete	Dermal	--	X	X
				Ingestion	--	X	X
				Inhalation	--	X	X
Mercury, PCBs, and Mold	Building Materials	Yes	Potentially Complete	Dermal	--	X	X
				Ingestion	--	X	X
				Inhalation	--	X	X

Notes: -- = Receptor not at risk for exposure (Based on present site use/redevelopment plans)
X = Receptor at risk to exposure (Currently or potentially based on current site use/redevelopment plans)

CSM Explanation: As no definite redevelopment plans exist, evaluation of exposure pathway completeness is based upon the current site use (abandoned – with potential visitors/trespassers) and workers accessing the Site during future assessment, remediation, and/or Site redevelopment. Short-term visitors to the Site may include visitors for site walks, general contractors, or trespassers. Once future site-specific activities are determined or if a change in current use occurs, exposure pathways should be re-assessed as they may alter the pathway completeness presented in this report and require further evaluation prior to conducting any activities or change in use at the Site.

6.5 DISCLOSURE OF AVAILABLE DATA INSUFFICIENT TO MEET OBJECTIVES

Per ASTM E1903-11 (Section 1.3.2), all Phase II ESA reports must disclose any respect in which available data are insufficient to meet the objectives of the assessment. Listed below are the disclosures in which the available data set for this investigation were insufficient to meet the objectives of this Phase II ESA, if any.

- Although one asbestos sample (APP-P-EJO3-078) was not received by the lab, two other samples were taken from the same evaporator jacket and were confirmed to be ACM. Loss of this sample did not affect the quality of the data.

Based upon the objectives for this Phase II ESA, all objectives were met based upon the available data. In no respect was the available data insufficient to meet the objectives.

7.0 CONCLUSIONS OF THE PHASE II ESA

START performed a Phase II ESA in conformance with the scope and limitations of ASTM Practice E1903-11 for Acme Power Plant at 165 Acme Road located in Sheridan, Wyoming. The following list is a summary of the conclusions regarding COCs and associated media identified by START at the Site:

Asbestos-Containing Material

- Based on the results of the ACM survey, asbestos is present throughout the Power Plant as well as in the Barn, Shop, and Little House. The presence of trace amounts of asbestos in exterior surface soils located outside the door of the Power Plant indicates friable asbestos fibers are migrating beyond the walls of the Power Plant building. ACM is considered to be a COC in relation to the Site.

Lead-Based Paint

- Based on the XRF results, elevated lead concentrations are present on door components, window components, walls, and/or trim in all five buildings at the Site. Although there were positive readings on building exterior surfaces, no bare soils were present around the locations of the readings. Therefore, lead impacts to surface soil were not evaluated. LBP is considered to be a COC at the Site.

PCBs, Mercury, and Mold

A summary of the observations regarding the visual inspections conducted are presented below:

- Of the light ballasts observed, potential PCB-containing ballasts were only identified in the Barn and Maintenance Shop. None of the light fixtures observed in the building appeared to be leaking fluids. Additionally, five transformers were confirmed to have PCBs present and are likely leaking, as indicated in sediment sample results (WESTON, 2017c). PCBs are considered COCs in relation to the Site.
- One mercury thermostat switch was observed in the trailer at the Site. Mercury is considered a COC in relation to the Site.
- Mold was encountered at the Site. Mold is considered a COC in relation to the Site.

RECOMMENDATIONS

Based on the results of the environmental assessment, START recommends the following:

- START recommends consulting with the Wyoming Department of Environmental Quality (WDEQ) Air Quality Division (AQD) Asbestos Program regarding the path forward for cleanup of ACM at the Site. Due to the extensive amount of asbestos identified, the remedial option selected for ACM will likely be the primary driver for remediation of all hazardous building materials identified at the Site. Possible remediation options for discussion may include constructing an asbestos landfill on-site or abatement and off-site

disposal. Regardless, START recommends contracting an accredited asbestos remediation company to help determine and/or implement appropriate remedial actions to address the ACM at the Site during the cleanup phase of redevelopment. Any work conducted should be performed by companies certified to handle ACM materials.

- Remove and properly dispose of the tote of friable pipe insulation debris located on the southwest portion of the property next to the railroad tracks. Additional assessment of exterior surface soils using an Incremental Sampling Methodology will be needed to delineate the extent and depth of the asbestos impacts. Activity based sampling is recommended for exposure assessments (WDEQ, 2014).
- START recommends contracting an accredited lead remediation company to determine appropriate remedial actions and/or disposal requirements to address the LBP at the Site during the cleanup phase of redevelopment (e.g., encapsulation, chemical striping, removal, etc.). Additional paint chip samples may be collected to confirm LBP. Dust control methods should be implemented for the debris and it is recommended that all work be performed by an EPA Lead-Safe certified firm. Toxicity Characteristic Leaching Procedure (TCLP) samples will be required for on-site or off-site disposal as per the WDEQ Solid and Hazardous Waste Division requirements (WDEQ, 2015).
- PCB-containing equipment identified or encountered should be properly removed and disposed prior to renovation or demolition activities. Additional sampling of equipment and concrete in the basement of the Power Plant, especially below the transformers, may be necessary prior to on-site or off-site disposal in order to comply with the Toxic Substance Control Act.
- All mercury-containing thermostat switches identified or encountered should be properly removed and disposed prior to renovation or demolition activities.
- Mold should be controlled during demolition (e.g., dust control, ventilation, etc.) or remediated by a certified restoration company, as necessary pending the remediation options selected for the Site.
- As a safety precaution, do not enter the Power Plant or Barn without developing a site-specific health and safety plan. Affix warning signs as described in 29 CFR 1910.1001 to all entrances of buildings with asbestos present.

8.0 SIGNATURE OF PHASE II ASSESSOR AND SEAL

This Phase II ESA was completed by the following START personnel and subcontractor(s), if applicable. Qualifications are provided at the end of the report:

- Mr. Greg Geras, P.G. – Project Manager;
- Mr. Michael Cherny – Project Team Leader; and
- Mr. Joe Rudi – Project Scientist.

Mr. Greg Geras, P.G. has undertaken the role of Phase II Assessor for this assessment. The following is the certification statement as defined in ASTM Practice E1903-11 (Section 9.2.1):

> *We have performed a Phase II environmental site assessment at the Acme Power Plant at 165 Acme Road located in Sheridan, WY in conformance with the scope and limitations of ASTM Practice E1903-11 and for the following objectives:*
>
> - *Assess and evaluate suspected contaminants that may be present at the Site. Develop sufficient information to reasonably render a professional opinion that, with respect to the potential concerns assessed, hazardous substances either are or are not present at the property, including the concentrations of the substances if present;*
> - *Gather and provide sufficient data to assist the TBA recipient to make informed decisions with regard to the future use of the property; and*
> - *Gather sufficient data to provide cost estimates for properly disposing hazardous materials, if necessary.*

Greg Geras, P.G.
Certifying Environmental Professional (Print)

Project Manager
Title


Signature

10/30/2017
Date

9.0 SPECIFICATIONS FOR ASTM E1903-11 REPORT USE AND RELIANCE

9.1 SPECIAL TERMS AND CONDITIONS

This document has been prepared by the WESTON START-IV team as tasked by the EPA solely for the use and benefit of the EPA and Sheridan County Conservation District (SCCD). Any use of this document or information herein by persons or entities other than the EPA or SCCD, without the express written consent of START, will be at the sole risk and liability of said person or entity. START will not be liable to the EPA, SCCD, or such persons or entities, for any damages resulting therefrom. It is understood that this document may not include all information pertaining to the described site.

9.2 LIMITATIONS AND EXCEPTIONS OF ASSESSMENT

ASTM E1903-11 (Section 4.2.1) acknowledges that "No Phase II ESA can eliminate all uncertainty. Furthermore, any sample, either surface or subsurface, taken for chemical testing may or may not be representative of a larger population. Professional judgment and interpretation are inherent in the process, and even when exercised in accordance with objective scientific principles, uncertainty is inevitable. Additional assessment beyond that which was reasonably undertaken may reduce the uncertainty". ASTM E1903-11 (Section 4.2.1.2) acknowledges that "The effectiveness of a Phase II ESA may be compromised by limitations or defects in the information used to define the objectives and scope of the investigation, including inability to obtain information concerning historic site uses or prior site assessment activities despite the efforts of the user and Phase II Assessor to obtain such information in accordance with 5.1.3". Furthermore, the ASTM E1903-11 (Section 4.2.2) states "Phase II ESAs do not generally require an exhaustive assessment of environmental conditions on a property. There is a point at which the cost of information obtained and the time required to obtain it outweigh the benefit of the information and, in the context of private transactions and contractual responsibilities, may become a material detriment to the orderly conduct of business. If the presence of target analytes is confirmed on a property, the extent of further assessment is a function of the degree of confidence required and the degree of uncertainty acceptable in relation to the objectives of the assessment".

9.3 DISCLAIMERS

START has performed this Phase II ESA in general conformance with the scope and limitations of ASTM E1903-11 standards and TDD 0003/1609-07. The Phase II ESA findings and conclusions presented herein are professional opinions based solely on data collected during the assessment and/or interpretation of information and past data provided for review. The information and data collected from the Site by START is based on the conditions existing on the date(s) of START's assessment activities at the property. START does not warrant or guarantee information obtained from third parties used for this assessment are correct, complete, and/or current.

Though START did collect samples and/or perform testing during this assessment, it is possible that past contamination remains undiscovered or that property conditions will change in the future. START does not warrant or guarantee the property suitable for any particular purpose or certify the property as "clean."

ASTM E1903-11 (Section 1.5) states "This practice is not intended to supersede applicable requirements imposed by regulatory authorities. This practice does not attempt to define a legal standard of care either for the performance of professional services with respect to matters within its scope, or for the performance of any individual *Phase II Environmental Site Assessment"*.

Information, limitations, and disclaimers provided in this general section apply to all of the sections included in this report.

10.0 REFERENCES

ASTM, International (ASTM), 2011. E1903-11, *Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process.* West Conshohocken, Pennsylvania.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
ASTM, 2011	Guidance	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

EPA, 2016. *Technical Direction Document (TDD)* 0003/1609-07.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
EPA, 2016	Guidance	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

EPA, October 1985. EPA's "Pink Book", *Asbestos in Buildings: Simplified Sampling Scheme for Friable Surfacing Materials.* (EPA 560/5-85-030a).

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
EPA, 1985	Document	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

GEI Consultants, Inc., 2000. *Vintage Power Plants: Environmental Characterization, Decontamination, & Demolition.* 2000.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
GEI, 2000	Document	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

WDEQ, 2015. *Lead-Based Paint Waste Management Guide.* July 24, 2015.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
WDEQ, 2015	Guidance	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

WDEQ, 2014. *Asbestos-Contaminated Soil HW/VRP Guidance Document.* August 2014.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
WDEQ, 2014	Guidance	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

WESTON, 2017a. *Phase I Environmental Site Assessment for Acme Power Plant 165 Acme Road, Sheridan, Sheridan County, Wyoming.* January, 2017.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
WESTON, 2017a	Document	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

WESTON, 2017b. *Sampling and Analysis Plan for Acme Power Plant, Targeted Brownfields Assessment, Sheridan, Sheridan County, Wyoming.* May, 2017.

Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
WESTON, 2017b	Document	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

WESTON, 2017c. *Phase II Environmental Site Assessment for Acme Power Plant 165 Acme Road, Sheridan, Sheridan County, Wyoming.* October, 2017.

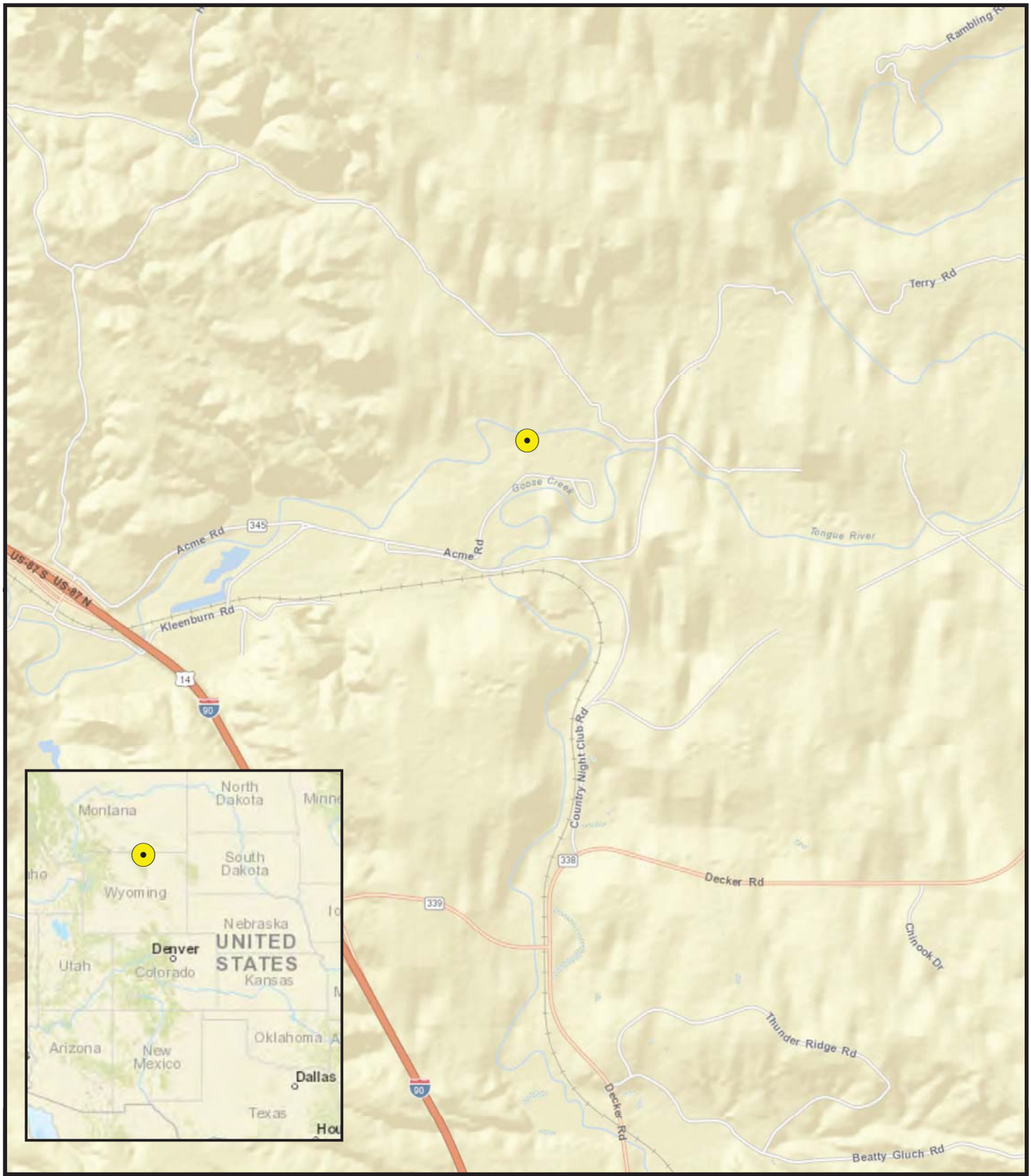
Citation	Reference Type	Assessment Factor				
		Soundness	Applicability and Utility	Clarity and Completeness	Uncertainty and Variability	Evaluation and Review
WESTON, 2017c	Document	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable

11.0 QUALIFICATIONS

START utilized qualified, professional staff, trained in performing the scope of work required for this Phase II ESA. The START team personnel included a project manager and technical specialist(s). Their roles are described in more detail as follows:

- Project Manager – Mr. Greg Geras, P.G. is a professional geologist with over 14 years of experience in the field of environmental sciences. Mr. Geras specializes in the development and implementation of site investigation plans, collection & analysis of soil, sediment, groundwater, and surface water data, evaluation of remediation options, and conducting Phase I and Phase II ESA investigations. He is experienced in projects involving initial and secondary site assessments, remedial action/corrective action, risk assessment, closure plan development, and agency negotiation.
- Project Scientist – Mr. Joe. Rudi, has a B.A. in Outdoor Studies with 7+ years of experience in the field of environmental sciences including environmental lab work, Phase I/II ESAs, MMRP investigations, Phase I site investigations, removal actions and environmental remediation; Mr. Rudi has managed/conducted quality control on projects from $10,000 to 800,000 dollars for the United States Air Force, United States Army Corp of Engineers, and the EPA.
- Scientist – Mr. Michael Cherny has 2+ years of project experience collecting soil, groundwater, surface water, and air samples, and conducting air monitoring. His experience includes conducting site assessments, removals, technical report documentation, and field instrument proficiency. Mr. Cherny is a certified asbestos and LBP inspector in Colorado, Montana, and EPA administered states.

FIGURES



Legend

Site Location

0 0.275 0.55 1.1 Miles

N

Prepared for:
U.S. EPA Region 8

Contract No.:
EP-S8-13-01

TDD:
1609-07

TO:
0003

The source of this map image is Esri, used by EPA with Esri's permission

Prepared By:
Weston Solutions, Inc.
START IV

Suite 100
1435 Garrison Street
Lakewood, CO 80215

FIGURE 1
SITE LOCATION MAP
ACME POWER PLANT
SHERIDAN COUNTY, WY

Date 4/18/2017

Legend

- Power Plant
- Shop
- Little House
- Trailer
- Barn

0 50 100 Feet

N

Prepared for:
U.S. EPA Region 8

Contract No.:
EP-S8-13-01

TDD:
1609-07

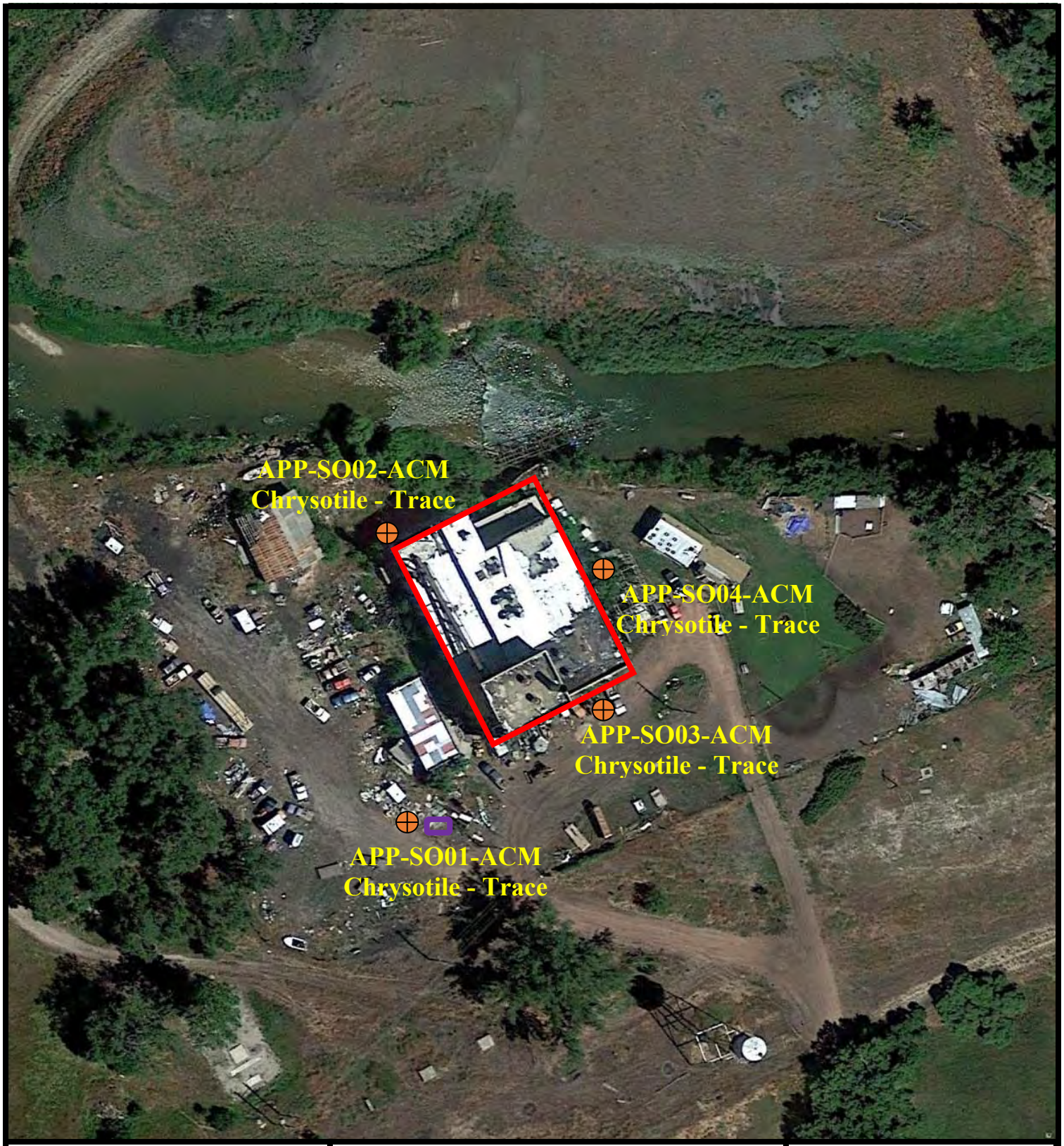
TO:
0003

Prepared By:
Weston Solutions, Inc.
START IV

Suite 100
1435 Garrison Street
Lakewood, CO 80215

FIGURE 2
SITE BUILDINGS MAP
ACME POWER PLANT
SHERIDAN
SHERIDAN COUNTY, WYOMING

DATE: 6/23/2017



Legend

- Power Plant
- Asbestos Soil Sample
- Pipe Insulation Debris

0 50 100 Feet

N

Prepared for:
U.S. EPA Region 8

Contract No.:
EP-S8-13-01

TDD:
1609-07

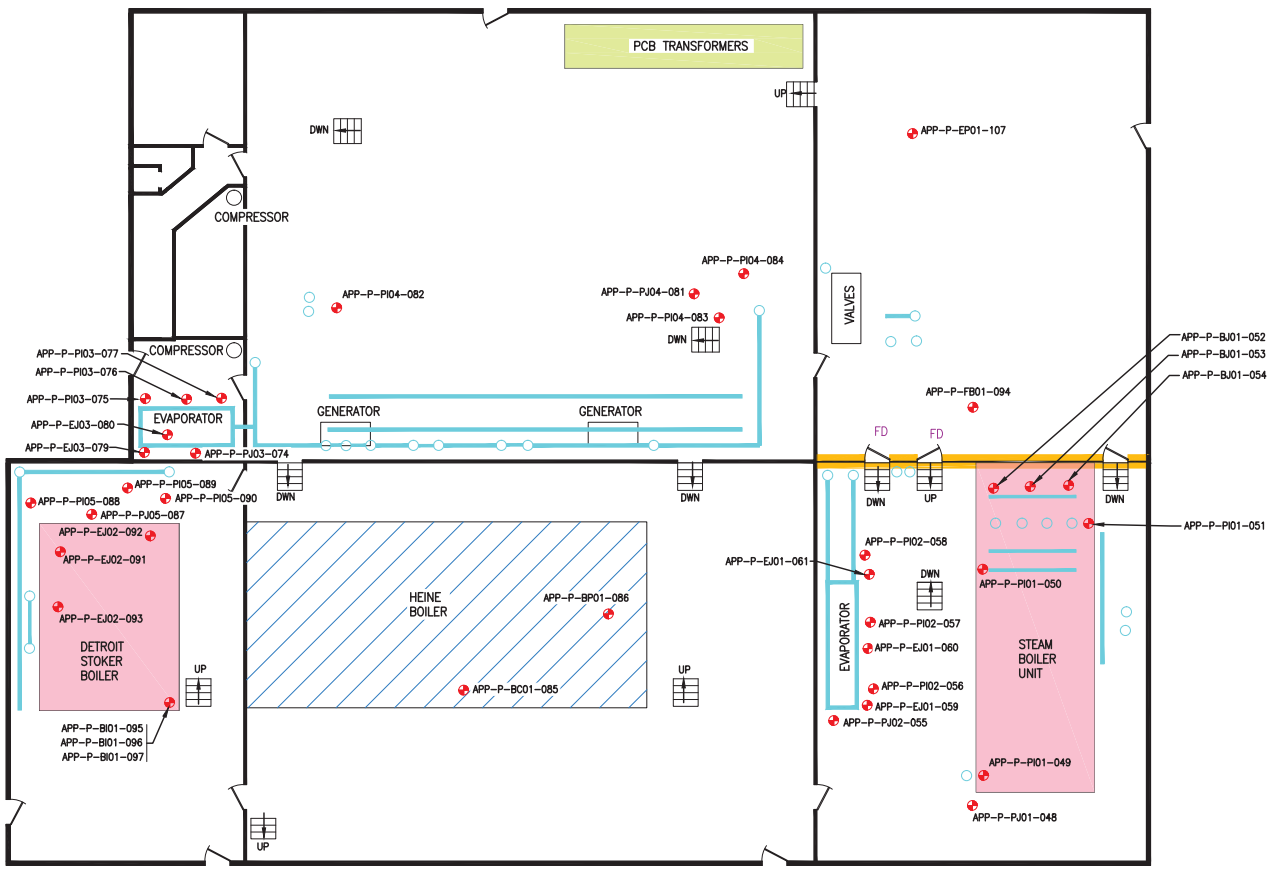
TO:
0003

Prepared By:
Weston Solutions, Inc.
START IV

Suite 100
1435 Garrison Street
Lakewood, CO 80215

FIGURE 3
ACM SOIL SAMPLE MAP
ACME POWER PLANT
SHERIDAN COUNTY, WYOMING

DATE: 6/23/2017



Contract No.:
EP-S8-13-01
TDD: 1609-07
TO: 0003

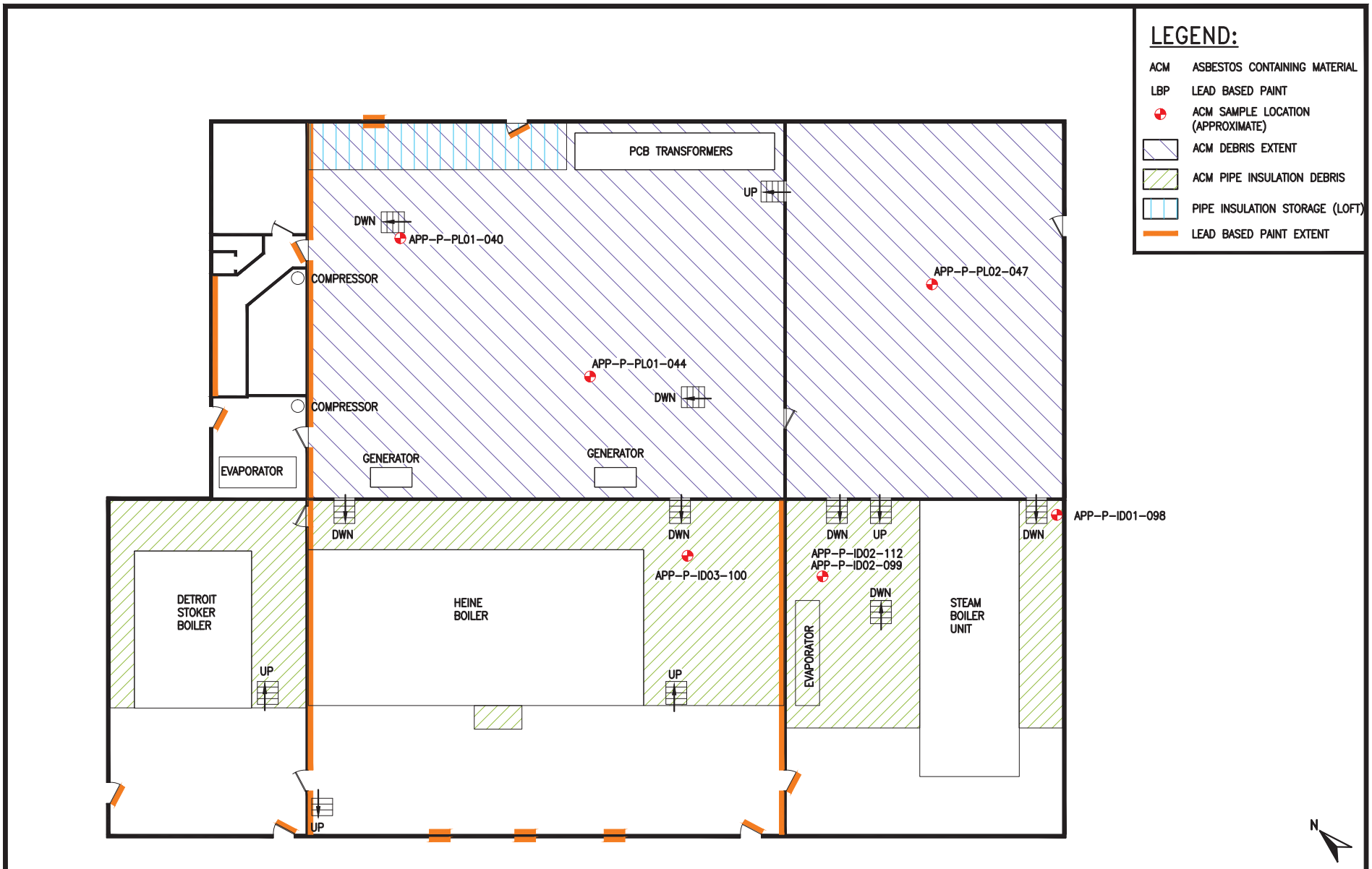
Prepared By:
Weston Solutions, Inc.
START IV
Suite 100
1435 Garrison Street
Lakewood, CO 80215

ACM SAMPLE LOCATION AND EXTENT MAP
ACME POWER PLANT
MAIN LEVEL
HAZARDOUS BUILDING MATERIAL SURVEY

DATE: 06/26/17

SCALE: 1"=15'

Figure 4



Contract No.:
EP-S8-13-01
TDD: 1609-07
TO: 0003

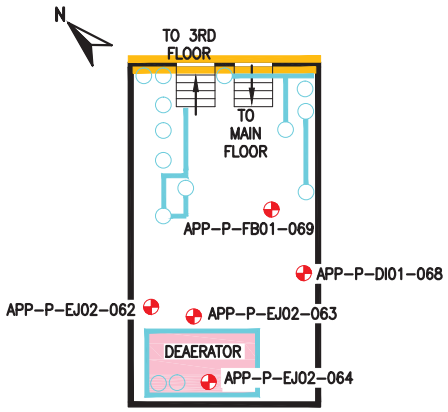
Prepared By:
Weston Solutions, Inc.
START IV
Suite 100
1435 Garrison Street
Lakewood, CO 80215

ACM AND LBP SAMPLE LOCATION AND EXTENT MAP
ACME POWER PLANT
MAIN LEVEL
HAZARDOUS BUILDING MATERIAL SURVEY

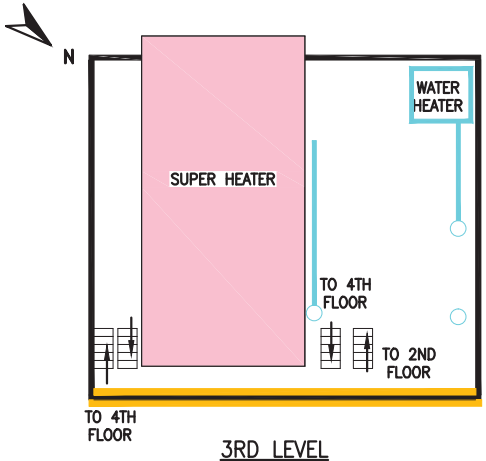
DATE:
06/26/17

SCALE:
1"= 20'

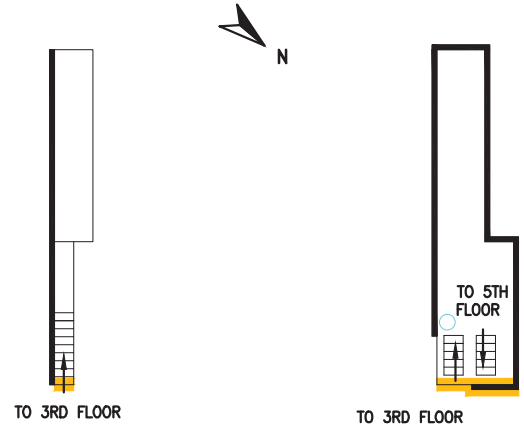
Figure
5



2ND LEVEL



3RD LEVEL



4TH LEVEL

LEGEND:

ACM	ASBESTOS CONTAINING MATERIAL
	ACM SAMPLE LOCATION (APPROXIMATE)
	ACM GENERATOR, BOILER OR WATER HEATER JACKET.
	ACM FIBERBOARD EXTENT
	ACM HORIZONTAL PIPE RUNS (APPROXIMATE)
	ACM VERTICAL PIPE RUN (APPROXIMATE)

Contract No.:
EP-S8-13-01
TDD: 1609-07
TO: 0003

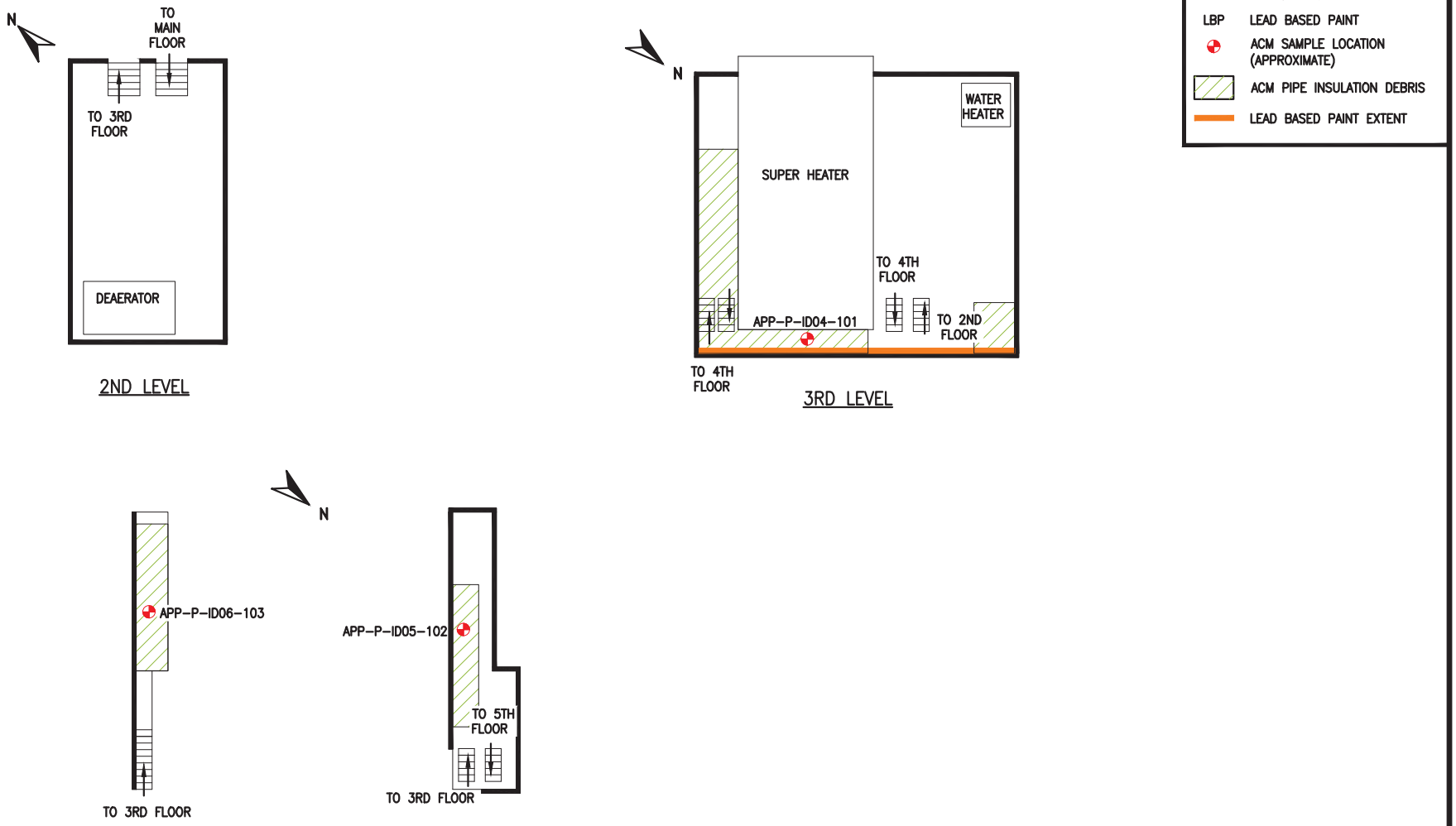
Prepared By:
Weston Solutions, Inc.
START IV
Suite 100
1435 Garrison Street
Lakewood, CO 80215

ACM SAMPLE LOCATION AND EXTENT MAP
ACME POWER PLANT
CATWALKS
HAZARDOUS BUILDING MATERIAL SURVEY

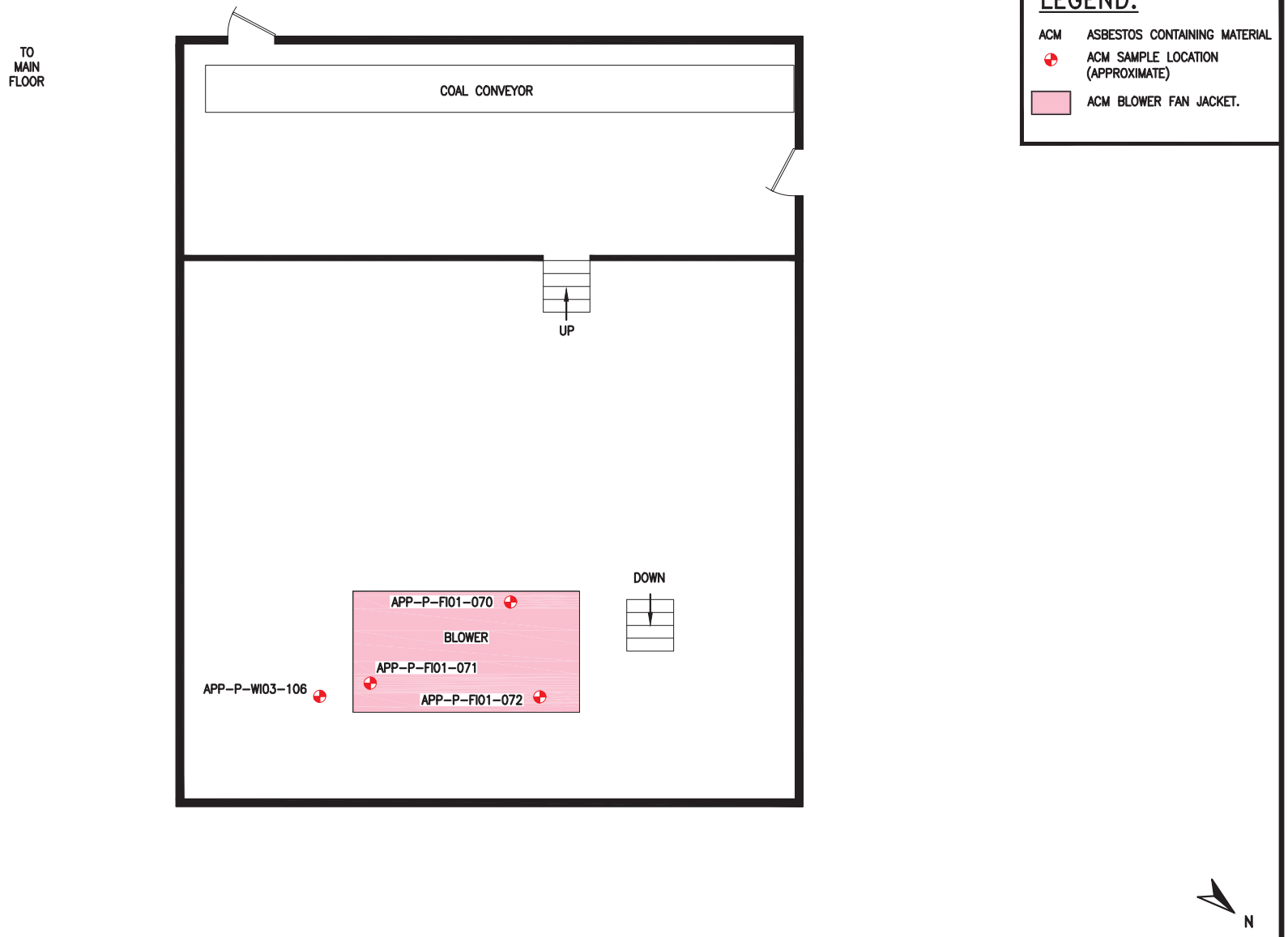
DATE: 06/26/17

SCALE: 1"= 20'

Figure 6



Contract No.: EP-S8-13-01 TDD: 1609-07 TO: 0003	Prepared By: Weston Solutions, Inc. START IV Suite 100 1435 Garrison Street Lakewood, CO 80215	ACM AND LBP SAMPLE LOCATION AND EXTENT MAP ACME POWER PLANT CATWALKS HAZARDOUS BUILDING MATERIAL SURVEY	DATE: 06/26/17 SCALE: 1"= 20'	Figure 7



Contract No.: EP-S8-13-01 TDD: 1609-07 TO: 0003	Prepared By: Weston Solutions, Inc. START IV Suite 100 1435 Garrison Street Lakewood, CO 80215	ACM SAMPLE LOCATION AND EXTENT MAP ACME POWER PLANT 5TH LEVEL HAZARDOUS BUILDING MATERIAL SURVEY	DATE: 06/26/17 SCALE: 1"= 10'	Figure 8

LEGEND:

ACM	ASBESTOS CONTAINING MATERIAL
	ACM SAMPLE LOCATION (APPROXIMATE)
	ACM ROOFING MATERIAL EXTENT

N

Contract No.:
EP-S8-13-01
TDD: 1609-07
TO: 0003

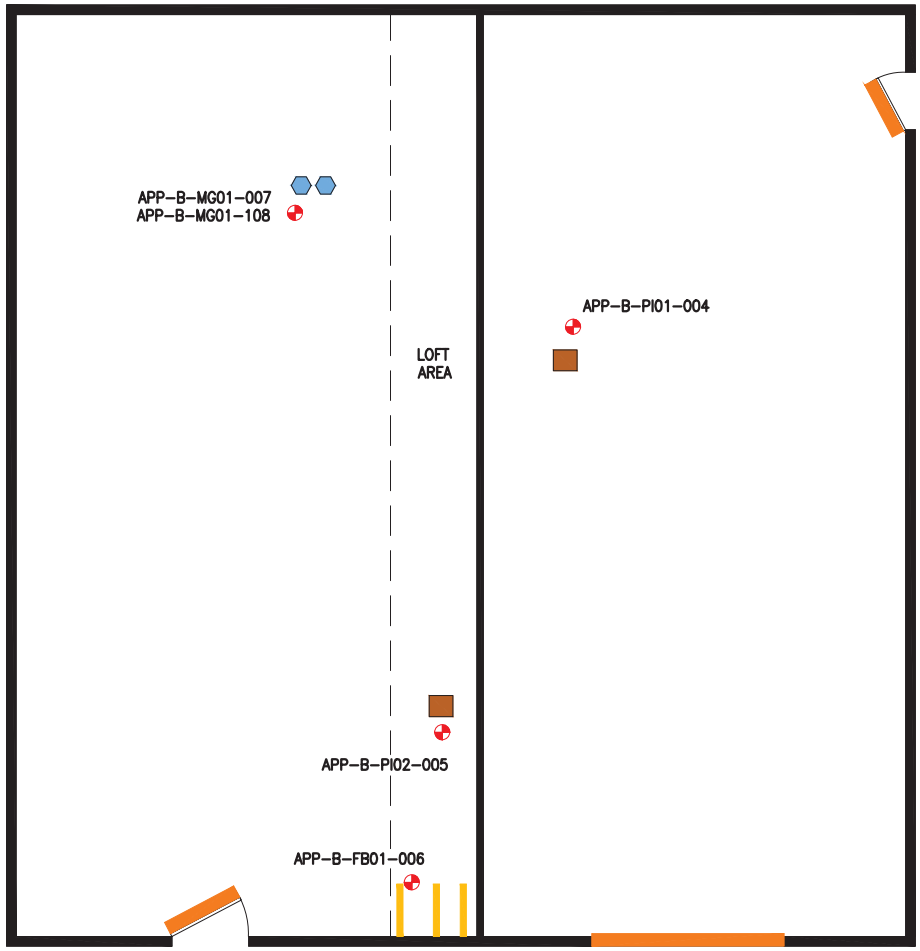
Prepared By:
Weston Solutions, Inc.
START IV
Suite 100
1435 Garrison Street
Lakewood, CO 80215

ACM SAMPLE LOCATION AND EXTENT MAP
ACME POWER PLANT
ROOF
HAZARDOUS BUILDING MATERIAL SURVEY

DATE:
06/26/17

SCALE:
1"= 20'

Figure
9



LEGEND:

ACM	ASBESTOS CONTAINING MATERIAL
LBP	LEAD BASED PAINT
	ACM SAMPLE LOCATION (APPROXIMATE)
	BOX OF ACM PIPE INSULATION
	ACM MANHOLE GASKET
	ACM FIBERBOARD
	LEAD BASED PAINT EXTENT

N

Contract No.:
EP-S8-13-01
TDD: 1609-07
TO: 0003

Prepared By:
Weston Solutions, Inc.
START IV
Suite 100
1435 Garrison Street
Lakewood, CO 80215

ACM AND LBP SAMPLE LOCATION AND EXTENT MAP
ACME POWER PLANT
BARN
HAZARDOUS BUILDING MATERIAL SURVEY

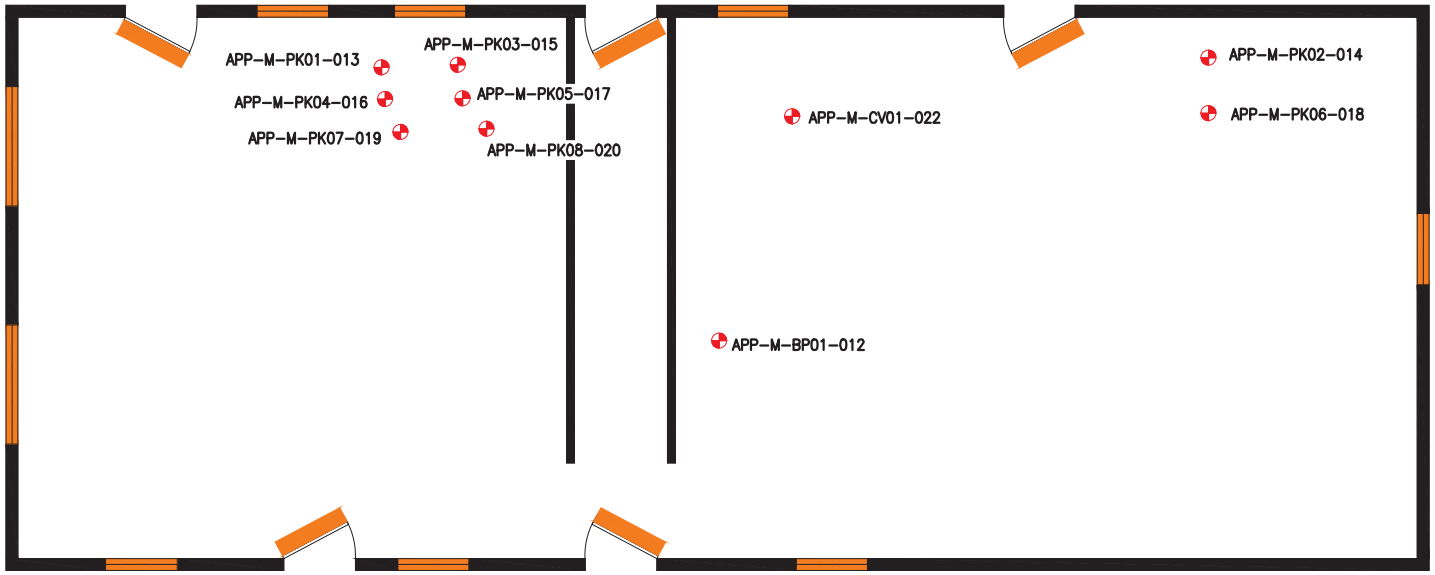
DATE:
06/26/17

SCALE:
1"=10'

Figure
10

LEGEND:

ACM	ASBESTOS CONTAINING MATERIAL
LBP	LEAD BASED PAINT
⊕	ACM SAMPLE LOCATION (APPROXIMATE)
▬	LEAD BASED PAINT EXTENT



N

Contract No.:
EP-S8-13-01
TDD: 1609-07
TO: 0003

Prepared By:
Weston Solutions, Inc.
START IV
Suite 100
1435 Garrison Street
Lakewood, CO 80215

ACM AND LBP SAMPLE LOCATION AND EXTENT MAP
ACME POWER PLANT
SHOP
HAZARDOUS BUILDING MATERIAL SURVEY

DATE: 06/26/17

SCALE: 1"= 8'

Figure 11

LEGEND:

ACM	ASBESTOS CONTAINING MATERIAL
LBP	LEAD BASED PAINT
⊕	ACM SAMPLE LOCATION (APPROXIMATE)
	ACM ROOFING TAR
	LEAD BASED PAINT TRIM EXTENT

N

Contract No.:
EP-S8-13-01
TDD: 1609-07
TO: 0003

Prepared By:
Weston Solutions, Inc.
START IV
Suite 100
1435 Garrison Street
Lakewood, CO 80215

ACM AND LBP SAMPLE LOCATION AND EXTENT MAP
ACME POWER PLANT
SHOP – ROOF
HAZARDOUS BUILDING MATERIAL SURVEY

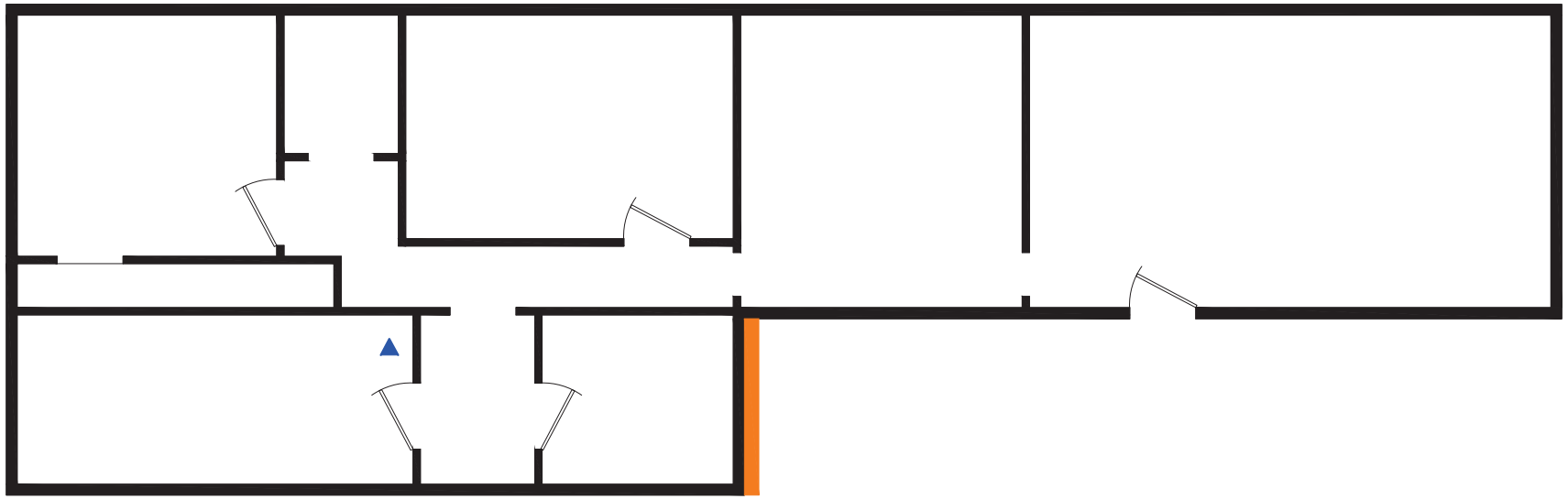
DATE: 06/26/17

SCALE: 1"= 8'

Figure 12

LEGEND:

LBP	LEAD BASED PAINT
	LEAD BASED PAINT EXTENT
▲	MERCURY CONTAINING THERMOSTAT

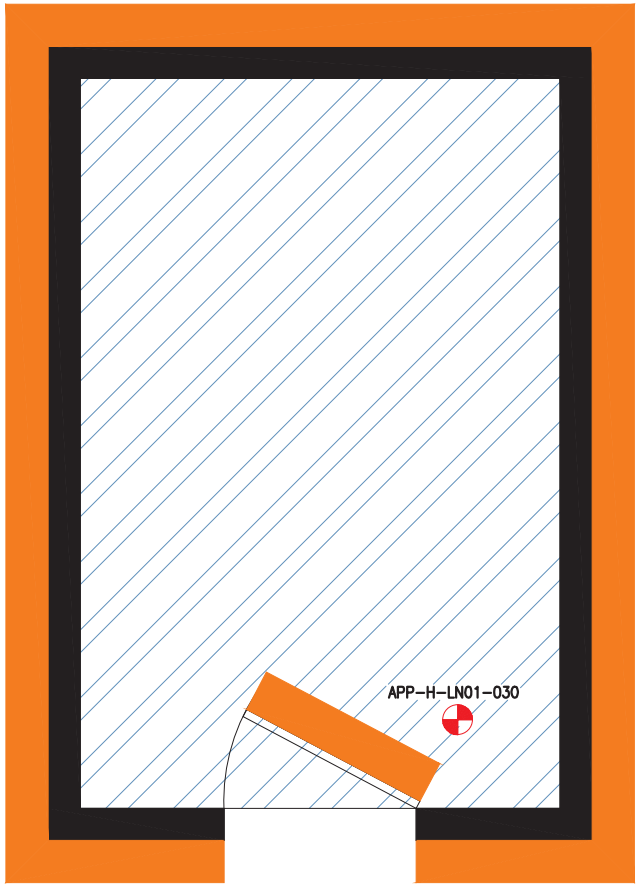


N

Contract No.: EP-S8-13-01 TDD: 1609-07 TO: 0003	Prepared By: Weston Solutions, Inc. START IV Suite 100 1435 Garrison Street Lakewood, CO 80215	LBP SAMPLE LOCATION AND EXTENT MAP ACME POWER PLANT TRAILER HAZARDOUS BUILDING MATERIAL SURVEY	DATE: 06/26/17 SCALE: 1"= 8'	Figure 13

LEGEND:

ACM	ASBESTOS CONTAINING MATERIAL
LBP	LEAD BASED PAINT
	ACM SAMPLE LOCATION (APPROXIMATE)
	ACM LINOLEUM EXTENT
	LEAD BASED PAINT (ASSUMED)



N

Contract No.:
EP-S8-13-01
TDD: 1609-07
TO: 0003

Prepared By:
Weston Solutions, Inc.
START IV
Suite 100
1435 Garrison Street
Lakewood, CO 80215

ACM AND LBP SAMPLE LOCATION AND EXTENT MAP
ACME POWER PLANT
HOUSE
HAZARDOUS BUILDING MATERIAL SURVEY

DATE: 06/26/17

SCALE: 1"= 3'

Figure 14

TABLES

Table 1
ACM Sample Results and Estimated Volumes

Sample ID	Physical Description	ACM Layer	Asbestos Type and Percent Composition (by PLM Method)	Point Count Method Result	Estimated Volume
Barn					
APP-B-PI01-004	Pipe Insulation	A - Light pink/off white fibrous plaster	Amosite 13%	--	1 box
APP-B-PI02-005	Pipe Insulation	A - White fibrous plaster w/ black debris	Chrysotile 8% and Amosite 5%	--	1 box
APP-B-FB01-006	Fiberboard	A - Tan fibrous material w/ black adhesive	Chrysotile Trace	--	80 sq. ft.
		B - Gray fibrous cementitious material	Chrysotile 12%	--	
APP-B-MG01-007	Manhole gasket	A - Blue/off white fibrous material	Chrysotile 80%	--	14 rolls
APP-B-MG01-108	Manhole gasket	A - Blue fibrous material	Chrysotile 70%	--	
Shop					
APP-M-RM01-009	Roofing Material	A - Black tar	Chrysotile 3%	--	110 LF
		B - Black tar	Chrysotile 12%	--	
APP-M-BP01-012	Brake Pad	A - Grayish-tan/black fibrous cementitious material w/ silver metallic material	Chrysotile 12%	--	3 pads
APP-M-PK01-013	Packing/Gasket	A - Silver fibrous material w/ black fibrous woven material	Chrysotile 65%	--	1 roll
APP-M-PK02-014	Packing/Gasket	A - White fibrous resinous material	Chrysotile 25%	--	3 units
APP-M-PK03-015	Packing/Gasket	A - White fibrous material w/ silver debris	Chrysotile 60%	--	1 roll
APP-M-PK04-016	Packing/Gasket	A - White fibrous resinous material w/ white fibrous woven material	Chrysotile 45%	--	1 roll
APP-M-PK05-017	Packing/Gasket	A - White fibrous resinous material	Chrysotile 55%	--	1 roll
APP-M-PK06-018	Packing/Gasket	A - Off white fibrous material w/ silver debris	Chrysotile 75%	--	2 rolls
APP-M-PK07-019	Packing/Gasket	A - Black fibrous resinous material	Chrysotile 40%	--	1 roll
APP-M-PK08-020	Packing/Gasket	A - Dark silver fibrous resinous material	Chrysotile 65%	--	1 roll
APP-M-CV01-022	Covering	A - White/off white fibrous material w/ gray debris	Chrysotile 40%	--	5 LF
Little House					
APP-H-LN01-030	Linoleum	B - Orange sheet vinyl w/ off white fibrous backing material	Chrysotile 25%	--	80 sq. ft.
Power Plant					
APP-P-PL01-040	Plaster	A - Brown fibrous debris	Chrysotile 40%	--	3,700 sq. ft.
APP-P-PL01-044	Plaster	A - Light pink fibrous plaster	Chrysotile 12% and Amosite 5%	--	
APP-P-PL02-047	Plaster	A - White/green fibrous debris	Chrysotile 65% and Amosite 15%	--	2,150 sq. ft.
APP-P-PJ01-048	Pipe Joint	A - White fibrous plaster w/ brown debris	Chrysotile 10% and Amosite 8%	--	80 joints
APP-P-PI01-049	Pipe Insulation	B - White fibrous plaster	Chrysotile 7% and Amosite Trace	--	310 LF
APP-P-PI01-050	Pipe Insulation	B - White fibrous plaster	Chrysotile 12% and Amosite 5%	--	
APP-P-PI01-051	Pipe Insulation	B - White fibrous plaster	Chrysotile 12% and Amosite 8%	--	
APP-P-BJ01-052	Boiler Jacket	B - Off white fibrous plaster	Chrysotile 12% and Amosite 8%	--	2,800 sq. ft.
APP-P-BJ01-053	Boiler Jacket	A - Off white fibrous plaster	Chrysotile 12% and Amosite 8%	--	
APP-P-BJ01-054	Boiler Jacket	B - Off white fibrous plaster	Chrysotile 12% and Amosite 8%	--	
		C - White fibrous plaster	Chrysotile 10% and Amosite 5%	--	
APP-P-PJ02-055	Pipe Joint	B - White fibrous plaster	Chrysotile 12% and Amosite 8%	--	120 joints
APP-P-PI02-056	Pipe Insulation	B - White fibrous plaster	Chrysotile 10% and Amosite 5%	--	400 LF
APP-P-PI02-057	Pipe Insulation	B - White fibrous plaster	Chrysotile 10% and Amosite 5%	--	
APP-P-PI02-058	Pipe Insulation	B - White fibrous plaster	Chrysotile 10% and Amosite 10%	--	
APP-P-EJ01-059	Evaporator Jacket	B - Light gray fibrous plaster	Chrysotile 15% and Amosite 5%	--	110 sq. ft.
APP-P-EJ01-060	Evaporator Jacket	B - Light gray fibrous plaster	Chrysotile 15% and Amosite 5%	--	
APP-P-EJ01-061	Evaporator Jacket	A - Light gray fibrous plaster	Chrysotile 15% and Amosite 5%	--	
APP-P-EJ02-062	Evaporator Jacket	A - White fibrous plaster	Chrysotile 15% and Amosite 5%	--	250 sq. ft.
		B - Brown fibrous material	Chrysotile 60%	--	
APP-P-EJ02-063	Evaporator Jacket	A - Brown fibrous material	Chrysotile 60%	--	
		B - White fibrous plaster	Chrysotile 3% and Amosite 15%	--	
APP-P-EJ02-064	Evaporator Jacket	A - White fibrous plaster	Chrysotile 3% and Amosite 15%	--	
		B - Gray fibrous material	Chrysotile 60%	--	
APP-P-DI01-068	Door Insulation	A - White fibrous woven material w/ brown/white coating	Chrysotile 75%	--	5 sq. ft.
APP-P-FB01-069	Fire Brick	A - Gray fibrous material	Chrysotile 50% and Amosite 3%	--	10 sq. ft.
		B - Pink fibrous plaster	Chrysotile 4% and Amosite 12%	--	

Table 1
ACM Sample Results and Estimated Volumes

Sample ID	Physical Description	ACM Layer	Asbestos Type and Percent Composition (by PLM Method)	Point Count Method Result	Estimated Volume
Power Plant					
APP-P-FI01-070	Fan Insulation	A - Gray fibrous material	Chrysotile 60%	--	380 sq. ft.
		B - White fibrous plaster	Chrysotile 7% and Amosite 13%	--	
APP-P-FI01-071	Fan Insulation	A - Gray fibrous material	Chrysotile 60%	--	
		B - White fibrous plaster	Chrysotile 3% and Amosite 27%	--	
APP-P-FI01-072	Fan Insulation	A - White fibrous plaster	Chrysotile 3% and Amosite 30%	--	
		B - Dark gray/black fibrous material	Chrysotile 10%	--	
		C - Gray fibrous material	Chrysotile 60%	--	
APP-P-RM01-073	Roofing Material	A - Silver resinous material	Chrysotile 2%	0.75	13,500 sq. ft.
		C - Black tar	Chrysotile 3%	2.25	
APP-P-PJ03-074	Pipe Joint	B - Gray fibrous material	Chrysotile 70%	--	100 joints
		C - White fibrous plaster	Chrysotile 3% and Amosite 15%	--	
APP-P-PI03-075	Pipe Insulation	B - Gray fibrous material	Chrysotile 65%	--	450 LF
		C - Pink fibrous plaster	Chrysotile 10% and Amosite 6%	--	
APP-P-PI03-076	Pipe Insulation	B - White fibrous plaster	Chrysotile 10% and Amosite 7%	--	
APP-P-PI03-077	Pipe Insulation	B - White fibrous plaster	Chrysotile 10% and Amosite 7%	--	
APP-P-EJ03-079	Evaporator Jacket	B - Gray fibrous material	Chrysotile 45%	--	130 sq. ft.
		C - White fibrous plaster	Chrysotile 10% and Amosite 7%	--	
APP-P-EJO3-080	Evaporator Jacket	B - Gray fibrous material	Chrysotile 70%	--	
		C - White fibrous plaster	Chrysotile 10% and Amosite 10%	--	
		D - Gray fibrous material	Chrysotile 45%	--	
APP-P-PJ04-081	Pipe Joint	A - White fibrous material w/ colorless adhesive	Chrysotile 75%	--	50 Joints
APP-P-PI04-082	Pipe Insulation	A - White/tan fibrous plaster	Chrysotile 8% and Amosite 10%	--	200 LF
APP-P-PI04-083	Pipe Insulation	B - Brown/off white fibrous material	Chrysotile 75%	--	
		C - Off white fibrous plaster	Chrysotile 45%	--	
APP-P-PI04-084	Pipe Insulation	B - White/tan fibrous material w/ colorless adhesive	Chrysotile 75%	--	
APP-P-BC01-085	Brick Caulk	A - Black fibrous resinous material	Chrysotile 15%	--	50 LF
APP-P-BP01-086	Brick Plaster	A - Tan granular micaceous plaster	Chrysotile 3%	1.75	1,000 sq. ft.
APP-P-PJ05-087	Pipe Joint	A - White fibrous plaster	Chrysotile 10% and Amosite 8%	--	6 joints
APP-P-PI05-088	Pipe Insulation	A - White fibrous plaster	Chrysotile 4% and Amosite 12%	--	60 sq. ft.
APP-P-PI05-089	Pipe Insulation	A - White fibrous plaster	Chrysotile 12% and Amosite 4%	--	
APP-P-PI05-090	Pipe Insulation	A - White fibrous plaster	Chrysotile 12% and Amosite 4%	--	
APP-P-BJ02-091	Boiler Jacket	A - White fibrous plaster	Chrysotile 15% and Amosite 3%	--	660 sq. ft.
APP-P-BJ02-092	Boiler Jacket	A - Dark gray/black fibrous material	Chrysotile 7%	--	
		B - White fibrous plaster	Chrysotile 15% and Amosite 3%	--	
APP-P-BJ02-093	Boiler Jacket	A - Gray fibrous material	Chrysotile 45%	--	
		B - Dark gray/black fibrous material	Chrysotile 8%	--	
		C - White fibrous plaster	Chrysotile 15% and Amosite 3%	--	
APP-P-FB01-094	Fiberboard	A - Black tar	Chrysotile Trace	--	1,500 sq. ft.
		C - Gray fibrous cementitious material w/ tan/silver paint	Chrysotile 13%	--	
APP-P-BI01-095	Boiler Insulation	A - Brown/tan fibrous plaster	Chrysotile 7% and Amosite 3%	--	150 sq. ft.
APP-P-BI01-096	Boiler Insulation	A - Brown/tan fibrous plaster	Chrysotile 7% and Amosite 3%	--	
APP-P-BI01-097	Boiler Insulation	A - Brown/tan fibrous plaster	Chrysotile 8% and Amosite 2%	--	
APP-P-ID01-098	Insulation Debris	A - Gray/white fibrous material	Chrysotile 20% and Amosite 35%	--	20 cu. ft.
APP-P-ID02-099	Insulation Debris	A - White fibrous plaster w/ brown debris	Chrysotile 6% and Amosite 14%	--	5 cu. ft.
APP-P-ID02-112	Insulation Debris	A - Brown fibrous material	Chrysotile 55% and Amosite 5%	--	
		B - White fibrous plaster	Chrysotile 12% and Amosite 8%	--	
APP-P-ID03-100	Insulation Debris	A - White fibrous plaster	Chrysotile 20% and Amosite 3%	--	1,200 cu. ft.
APP-P-ID04-101	Insulation Debris	A - White fibrous plaster	Chrysotile 8% and Amosite 10%	--	75 cu. ft.
APP-P-ID05-102	Insulation Debris	A - Pink fibrous plaster w/ green paint	Chrysotile 5% and Amosite 12%	--	40 cu. ft.
APP-P-ID06-103	Insulation Debris	A - White fibrous plaster	Chrysotile 8% and Amosite 10%	--	40 cu. ft.
APP-P-WI03-106	Wire Insulation	A - Black/multi-colored wire insulation	Chrysotile 25%	--	50 LF
APP-P-EP01-107	Electrical Panel	A - Gray fibrous cementitious material	Chrysotile 10%	--	1 panel

Table 2
Non-ACM Samples by Point Count

Sample ID	Physical Description	ACM Layer(s)	Asbestos Type and Percent Composition (by PLM Method)	Point Count Method Result
Power Plant				
APP-P-PL01-110	Plaster	A - Tan granular plaster w/ white/silver paint	Chrysotile Trace	<0.25

Table 3
Non-detect for Asbestos Samples

Sample ID	Physical Description	Sample Layer(s)
Barn		
APP-B-PL01-001	Plaster	A - Tan granular material
APP-B-PL02-002	Plaster	A - Grayish-tan granular material
APP-B-IN01-003	Insulation	A - Gray insulation
APP-B-HI01-008	Hose Insulation	A - White fibrous material w/ black resinous material w/ red resinous material
Shop		
APP-M-RM02-010	Roofing Material	A - Black/tan shingle
APP-M-RM03-011	Roofing Material	A - Black shingle
APP-M-PK09-021	Packing/Gasket	A - White fibrous resinous material
APP-M-FL01-023	Felt	A - Black fibrous material
APP-M-WC01-024	Window Caulk	A - Off white glazing w/ off white paint & gray debris
Trailer		
APP-T-DW01-025	Drywall	A - White/tan drywall w/ white/multi-colored paint
APP-T-DW01-026	Drywall	A - White/tan drywall w/ white/multi-colored paint
APP-T-DW01-027	Drywall	A - White/tan drywall w/ white/multi-colored paint
APP-T-FT01-028	Floor Tile	A - Tan/black tile w/ colorless adhesive & gray debris
APP-T-RM01-029	Roofing Material	A - Black felt
		B - Black shingle w/ black tar
		C - Black/tan shingle
APP-T-FT01-109	Floor Tile	A - Brown tile w/ colorless mastic
Power Plant		
APP-P-WC01-031	Window Caulk	A - Orange resinous material w/ off white paint
APP-P-DW01-032	Drywall	A - White/tan drywall w/ off white paint
APP-P-DW01-033	Drywall	A - White/tan drywall w/ off white paint
APP-P-DW01-034	Drywall	A - White/tan drywall w/ off white paint
APP-P-DW02-035	Drywall	A - White compound
		B - Off white/tan drywall
APP-P-DW02-036	Drywall	A - Off white/tan drywall
APP-P-DW02-037	Drywall	A - Tan/black tar paper w/ pink insulation debris
		B - Off white/tan drywall
APP-P-JC01-038	Joint Compound	A - White compound w/ white debris
APP-P-JC01-039	Joint Compound	A - White compound
APP-P-PL01-041	Plaster	A - Gray granular plaster
APP-P-PL01-042	Plaster	A - Gray granular plaster
APP-P-PL01-043	Plaster	A - Gray granular plaster
APP-P-PL02-045	Plaster	A - Gray granular material
APP-P-PL02-046	Plaster	A - Gray granular material w/ white/silver paint
APP-P-IB01-065	Boiler Insulation	A - White granular plaster
APP-P-IB01-066	Boiler Insulation	A - White granular plaster
APP-P-IB01-067	Boiler Insulation	A - White granular plaster
APP-P-WI01-104	Wire Insulation	A - Black/multi-colored wire insulation
APP-P-WI02-105	Wire Insulation	A - Tan/brown wire insulation
APP-P-IB01-111	Boiler Insulation	A - White granular plaster

Table 4
ACM Soil Sample Results

Sample ID	Physical Description	Asbestos Type and Percent Composition (by PLM Method)
APP-SO01-ACM	A - Dark brown/black soil	Chrysotile Trace
APP-SO02-ACM	A - Dark brown/black soil	Chrysotile Trace
APP-SO03-ACM	A - Dark brown/black soil	Chrysotile Trace
APP-SO04-ACM	A - Dark brown/black soil	Chrysotile Trace

Table 5
Lead-Based Paint Screening Results

Reading	Date	Time	Location	Room	Component	Substrate	Color	Lead mg/cm^2	(+/-) Error
XRF - Calibration Checks									
Day 1									
13	5/31/2017	10:14:04	Acme Power Plant	N/A	N/A	SRM 2570	WHITE	0	0
14	5/31/2017	10:14:43	Acme Power Plant	N/A	N/A	SRM 2571	YELLOW	3.33	0.32
15	5/31/2017	10:15:34	Acme Power Plant	N/A	N/A	SRM 2572	ORANGE	1.77	0.18
16	5/31/2017	10:16:01	Acme Power Plant	N/A	N/A	SRM 2573	RED	1.11	0.05
17	5/31/2017	10:17:02	Acme Power Plant	N/A	N/A	SRM 2574	GOLD	0.74	0.06
18	5/31/2017	10:17:41	Acme Power Plant	N/A	N/A	SRM 2575	GREEN	0.36	0.03
33	5/31/2017	13:57:43	Acme Power Plant	N/A	N/A	SRM 2570	WHITE	0	0
34	5/31/2017	13:58:45	Acme Power Plant	N/A	N/A	SRM 2571	YELLOW	3.41	0.32
35	5/31/2017	13:59:52	Acme Power Plant	N/A	N/A	SRM 2572	ORANGE	1.84	0.19
36	5/31/2017	14:00:21	Acme Power Plant	N/A	N/A	SRM 2573	RED	1.07	0.05
37	5/31/2017	14:01:30	Acme Power Plant	N/A	N/A	SRM 2574	GOLD	0.65	0.05
38	5/31/2017	14:02:18	Acme Power Plant	N/A	N/A	SRM 2575	GREEN	0.34	0.06
56	5/31/2017	15:33:54	Acme Power Plant	N/A	N/A	SRM 2570	WHITE	0	0
57	5/31/2017	15:34:31	Acme Power Plant	N/A	N/A	SRM 2571	YELLOW	3.92	0.37
58	5/31/2017	15:35:18	Acme Power Plant	N/A	N/A	SRM 2572	ORANGE	1.75	0.16
59	5/31/2017	15:35:52	Acme Power Plant	N/A	N/A	SRM 2573	RED	0.95	0.05
60	5/31/2017	15:37:00	Acme Power Plant	N/A	N/A	SRM 2574	GOLD	0.69	0.04
61	5/31/2017	15:38:03	Acme Power Plant	N/A	N/A	SRM 2575	GREEN	0.31	0.03
Day 2									
2	6/2/2017	8:43:43	Acme Power Plant	N/A	N/A	SRM 2570	WHITE	0	0
3	6/2/2017	8:44:30	Acme Power Plant	N/A	N/A	SRM 2571	YELLOW	3.53	0.33
4	6/2/2017	8:45:10	Acme Power Plant	N/A	N/A	SRM 2572	ORANGE	1.52	0.14
5	6/2/2017	8:46:28	Acme Power Plant	N/A	N/A	SRM 2573	RED	1.18	0.09
6	6/2/2017	8:47:21	Acme Power Plant	N/A	N/A	SRM 2574	GOLD	0.63	0.09
7	6/2/2017	8:47:50	Acme Power Plant	N/A	N/A	SRM 2575	GREEN	0.32	0.03
74	6/2/2017	11:35:26	Acme Power Plant	N/A	N/A	SRM 2570	WHITE	0	0
78	6/2/2017	11:39:08	Acme Power Plant	N/A	N/A	SRM 2571	YELLOW	3.73	0.35
79	6/2/2017	11:39:39	Acme Power Plant	N/A	N/A	SRM 2572	ORANGE	1.46	0.14
80	6/2/2017	11:40:12	Acme Power Plant	N/A	N/A	SRM 2573	RED	1	0.05
81	6/2/2017	11:41:12	Acme Power Plant	N/A	N/A	SRM 2574	GOLD	0.68	0.09
82	6/2/2017	11:41:44	Acme Power Plant	N/A	N/A	SRM 2575	GREEN	0.39	0.04
Screening Results									
Day 1									
19	**5/31/2017**	**10:20:23**	**Barn**	**Exterior**	**N/A**	**DOOR JAMB**	**METAL**	**GREEN**	**1.03**	**0.04**
20	**5/31/2017**	**10:22:34**	**Barn**	**Exterior**	**N/A**	**DOOR**	**WOOD**	**GREEN**	**4.59**	**0.38**
21	**5/31/2017**	**10:25:10**	**Barn**	**Exterior**	**N/A**	**DOOR**	**WOOD**	**GREEN**	**2.22**	**0.2**
22	**5/31/2017**	**10:27:15**	**Barn**	**Exterior**	**N/A**	**DOOR**	**WOOD**	**GREEN**	**2.05**	**0.19**
23	**5/31/2017**	**10:28:39**	**Barn**	**Interior**	**N/A**	**DOOR**	**WOOD**	**GREEN**	**4.96**	**0.45**
24	5/31/2017	10:32:04	Barn	Interior	N/A	WINDOW SASH	WOOD	GREEN	0.26	0.03
25	5/31/2017	10:35:00	Barn	Interior	N/A	CEILING	WOOD	GRAY	0	0
26	**5/31/2017**	**11:37:38**	**Shop**	**Exterior**	**N/A**	**DOOR**	**WOOD**	**GREEN**	**2.52**	**0.23**
27	**5/31/2017**	**11:38:45**	**Shop**	**Exterior**	**N/A**	**WINDOW SASH**	**WOOD**	**GREEN**	**1.76**	**0.16**
28	**5/31/2017**	**11:39:11**	**Shop**	**Exterior**	**N/A**	**DOOR**	**WOOD**	**GREEN**	**2.58**	**0.22**
29	**5/31/2017**	**11:44:13**	**Shop**	**Exterior**	**N/A**	**TRIM**	**WOOD**	**GREEN**	**3.52**	**0.3**
30	5/31/2017	12:08:33	Shop	Interior	N/A	WALL	BRICK	GREEN	0.2	0.02
31	**5/31/2017**	**12:12:25**	**Shop**	**Interior**	**N/A**	**DOOR**	**WOOD**	**GREEN**	**1.99**	**0.19**
32	5/31/2017	12:53:06	Shop	Interior	N/A	CEILING	WOOD	LT GRAY	0.04	0.02
39	5/31/2017	14:46:54	Trailer	Exterior	N/A	WALL	WOOD	YELLOW	0	0
41	**5/31/2017**	**14:51:37**	**Trailer**	**Exterior**	**N/A**	**WALL**	**METAL**	**DK BROWN**	**1**	**0.03**
42	5/31/2017	14:52:22	Trailer	Exterior	N/A	WALL	WOOD	DK BROWN	0	0
43	5/31/2017	14:53:13	Trailer	Exterior	N/A	TRIM	WOOD	BROWN	0	0
44	5/31/2017	14:53:48	Trailer	Exterior	N/A	TRIM	WOOD	LT GRAY	0	0
45	5/31/2017	14:55:35	Trailer	Interior	N/A	CEILING	WOOD	WHITE	0	0
46	5/31/2017	14:56:03	Trailer	Interior	N/A	WALL	WOOD	WHITE	0.04	0.04
47	5/31/2017	14:56:38	Trailer	Interior	N/A	WALL	DRYWALL	WHITE	0	0
48	5/31/2017	14:56:55	Trailer	Interior	N/A	WALL	DRYWALL	WHITE	0	0
49	5/31/2017	14:57:28	Trailer	Interior	N/A	WALL	WOOD	LT BLUE	0.04	0.03
50	5/31/2017	14:57:58	Trailer	Interior	N/A	WALL	WOOD	LT BLUE	0	0
51	5/31/2017	14:58:21	Trailer	Interior	N/A	WALL	WOOD	LT BLUE	0	0
52	5/31/2017	14:58:44	Trailer	Interior	N/A	WALL	WOOD	GREEN	0	0
53	5/31/2017	14:59:11	Trailer	Interior	N/A	WALL	WOOD	PINK	0	0
54	5/31/2017	14:59:56	Trailer	Interior	N/A	WALL	WOOD	WHITE	0.07	0.03
55	5/31/2017	15:13:11	Trailer	Exterior	N/A	TRIM	METAL	RED	0.19	0.03

Table 5
Lead-Based Paint Screening Results

Reading	Date	Time	Location		Room	Component	Substrate	Color	Lead mg/cm^2	(+/-) Error
Day 2										
8	6/2/2017	8:51:41	Power Plant	Exterior	N/A	DOOR	METAL	GREEN	0.31	0.04
9	**6/2/2017**	**8:52:34**	**Power Plant**	**Exterior**	**N/A**	**DOOR**	**WOOD**	**GREEN**	**2.3**	**0.21**
10	**6/2/2017**	**8:53:23**	**Power Plant**	**Exterior**	**N/A**	**DOOR FRAME**	**CONCRETE**	**GREEN**	**1.19**	**0.08**
11	**6/2/2017**	**8:54:09**	**Power Plant**	**Exterior**	**N/A**	**WINDOW SASH**	**WOOD**	**GREEN**	**3.37**	**0.28**
12	**6/2/2017**	**8:55:51**	**Power Plant**	**Exterior**	**N/A**	**DOOR**	**WOOD**	**GREEN**	**3.63**	**0.29**
13	**6/2/2017**	**9:04:46**	**Power Plant**	**Exterior**	**N/A**	**DOOR**	**WOOD**	**GREEN**	**4.99**	**0.42**
14	6/2/2017	9:13:42	Power Plant	Exterior	N/A	WINDOW SASH	METAL	GREEN	0.59	0.06
15	6/2/2017	9:14:01	Power Plant	Exterior	N/A	WINDOW SASH	METAL	GREEN	0.94	0.04
16	6/2/2017	9:14:50	Power Plant	Exterior	N/A	WINDOW SASH	METAL	GREEN	0.56	0.06
17	6/2/2017	9:15:56	Power Plant	Exterior	N/A	WINDOW SASH	METAL	GREEN	0.76	0.07
18	6/2/2017	9:18:09	Power Plant	Exterior	N/A	WINDOW SASH	METAL	GREEN	0.66	0.07
19	6/2/2017	9:20:32	Power Plant	Interior	room A	DOOR	METAL	LT GRAY	0.1	0.06
20	6/2/2017	9:21:15	Power Plant	Interior	room A	WALL	BRICK	LT GRAY	0.47	0.09
21	6/2/2017	9:22:02	Power Plant	Interior	room A	WALL	BRICK	LT GRAY	0.2	0.04
22	6/2/2017	9:23:03	Power Plant	Interior	room A	WALL	BRICK	WHITE	0.06	0.02
23	6/2/2017	9:23:39	Power Plant	Interior	room A	WALL	BRICK	WHITE	0.16	0.04
24	6/2/2017	9:26:59	Power Plant	Interior	room B	WALL	BRICK	WHITE	0.21	0.07
25	6/2/2017	9:27:43	Power Plant	Interior	room B	WALL	BRICK	WHITE	0.23	0.07
26	**6/2/2017**	**9:28:17**	**Power Plant**	**Interior**	**room B**	**WALL**	**BRICK**	**DK BROWN**	**1**	**0.06**
27	6/2/2017	9:29:05	Power Plant	Interior	room B	WALL	BRICK	DK BROWN	0.23	0.04
28	6/2/2017	9:29:35	Power Plant	Interior	room B	WALL	BRICK	DK BROWN	0.34	0.07
29	**6/2/2017**	**9:30:39**	**Power Plant**	**Interior**	**room B**	**DOOR**	**WOOD**	**DK BROWN**	**3.64**	**0.37**
30	**6/2/2017**	**9:31:05**	**Power Plant**	**Interior**	**room B**	**DOOR**	**WOOD**	**WHITE**	**5**	**0.45**
31	6/2/2017	9:33:49	Power Plant	Interior	room B	CEILING	PLASTER	WHITE	0	0
32	**6/2/2017**	**9:34:47**	**Power Plant**	**Interior**	**room B**	**WINDOW FRAME**	**WOOD**	**WHITE**	**3.81**	**0.62**
33	6/2/2017	9:38:30	Power Plant	Interior	room C	WINDOW SILL	WOOD	WHITE	0.1	0.04
34	6/2/2017	9:38:53	Power Plant	Interior	room C	WINDOW FRAME	WOOD	WHITE	0.14	0.05
35	6/2/2017	9:39:36	Power Plant	Interior	room C	DOOR FRAME	WOOD	WHITE	0.12	0.05
36	6/2/2017	9:40:10	Power Plant	Interior	room C	DOOR JAMB	WOOD	WHITE	0.08	0.03
37	6/2/2017	9:40:34	Power Plant	Interior	room C	DOOR	WOOD	WHITE	0.11	0.04
38	6/2/2017	9:41:32	Power Plant	Interior	room D	WALL	DRYWALL	CREAM	0.02	0.02
39	6/2/2017	9:41:54	Power Plant	Interior	room D	WALL	DRYWALL	DK BROWN	0	0
40	**6/2/2017**	**9:42:22**	**Power Plant**	**Interior**	**room D**	**WALL**	**BRICK**	**DK BROWN**	**1**	**0.09**
41	6/2/2017	9:43:01	Power Plant	Interior	room D	WALL	BRICK	WHITE	0.29	0.08
42	**6/2/2017**	**9:43:34**	**Power Plant**	**Interior**	**room D**	**WALL**	**BRICK**	**WHITE**	**1**	**0.04**
43	**6/2/2017**	**10:05:51**	**Power Plant**	**Interior**	**room E**	**DOOR**	**WOOD**	**DK BROWN**	**3.67**	**0.5**
44	6/2/2017	10:06:11	Power Plant	Interior	room E	DOOR FRAME	WOOD	DK BROWN	0.47	0.06
45	6/2/2017	10:06:38	Power Plant	Interior	room E	WALL	BRICK	DK BROWN	0.35	0.07
46	6/2/2017	10:07:25	Power Plant	Interior	room E	WALL	BRICK	WHITE	0.34	0.08
47	6/2/2017	10:07:53	Power Plant	Interior	room E	WALL	BRICK	WHITE	0.21	0.04
48	**6/2/2017**	**10:16:02**	**Power Plant**	**Interior**	**room F**	**DOOR**	**WOOD**	**GREEN**	**2.88**	**0.26**
49	**6/2/2017**	**10:16:58**	**Power Plant**	**Interior**	**room F**	**DOOR**	**WOOD**	**BROWN**	**2.28**	**0.24**
50	6/2/2017	10:17:29	Power Plant	Interior	room F	WALL	BRICK	BROWN	0.31	0.05
51	6/2/2017	10:17:55	Power Plant	Interior	room F	WALL	BRICK	BROWN	0.28	0.04
52	6/2/2017	10:18:17	Power Plant	Interior	room F	WALL	CONCRETE	BROWN	0.24	0.04
53	6/2/2017	10:18:43	Power Plant	Interior	room F	WALL	BRICK	WHITE	0.11	0.04
54	6/2/2017	10:19:10	Power Plant	Interior	room F	WALL	BRICK	WHITE	0.11	0.02
55	**6/2/2017**	**10:21:25**	**Power Plant**	**Interior**	**room G**	**WALL**	**BRICK**	**WHITE**	**1**	**0.08**
56	6/2/2017	10:21:54	Power Plant	Interior	room G	WALL	BRICK	WHITE	0.11	0.03
57	**6/2/2017**	**10:23:41**	**Power Plant**	**Interior**	**room G**	**WALL**	**BRICK**	**WHITE**	**1**	**0.08**
58	**6/2/2017**	**10:24:59**	**Power Plant**	**Interior**	**room G**	**DOOR**	**WOOD**	**DK BROWN**	**1.11**	**0.06**
59	**6/2/2017**	**10:26:54**	**Power Plant**	**Interior**	**room G**	**WINDOW FRAME**	**WOOD**	**WHITE**	**3.82**	**0.36**
60	**6/2/2017**	**10:28:23**	**Power Plant**	**Interior**	**room G**	**WALL**	**BRICK**	**DK BROWN**	**1.13**	**0.06**
61	6/2/2017	10:29:44	Power Plant	Interior	room H	WALL	BRICK	DK BROWN	0.32	0.05
62	6/2/2017	10:30:22	Power Plant	Interior	room H	WALL	BRICK	DK BROWN	0.21	0.04
63	6/2/2017	10:30:51	Power Plant	Interior	room H	WALL	BRICK	DK BROWN	0.29	0.05
64	6/2/2017	10:31:17	Power Plant	Interior	room H	WALL	BRICK	WHITE	0.13	0.04
65	6/2/2017	10:31:46	Power Plant	Interior	room H	WALL	BRICK	WHITE	0.06	0.02
66	6/2/2017	10:32:21	Power Plant	Interior	room H	WALL	BRICK	WHITE	0.07	0.01
67	6/2/2017	10:33:44	Power Plant	Interior	room H	DOOR	METAL	DK BROWN	0.14	0.03
68	6/2/2017	10:36:38	Power Plant	Interior	Catwalk	WALL	BRICK	WHITE	0.06	0.02
69	6/2/2017	10:39:02	Power Plant	Interior	Catwalk	WALL	BRICK	WHITE	0.07	0.01
70	**6/2/2017**	**10:40:14**	**Power Plant**	**Interior**	**Catwalk**	**WALL**	**CONCRETE**	**CREAM**	**1**	**0.04**
71	6/2/2017	10:45:07	Power Plant	Interior	Catwalk	BUILT-IN	METAL	BLACK	0.03	0.02
72	6/2/2017	10:47:49	Power Plant	Interior	Catwalk	DOOR	METAL	BLACK	0.05	0.02
73	6/2/2017	10:49:13	Power Plant	Roof	N/A	FLOOR	TAR	LT GRAY	0	0

APPENDIX A
PHOTOGRAPH LOG

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Acme Power Plant	Sheridan, WY	0003/1609-07

Photo No. 1	Date: 05/30/2017
Photo Coordinates	
Lat	44.912372
Long	-106.988158
Direction Photo Taken: 90.1895161290323	
Description: Exterior of the Acme Power Plant	

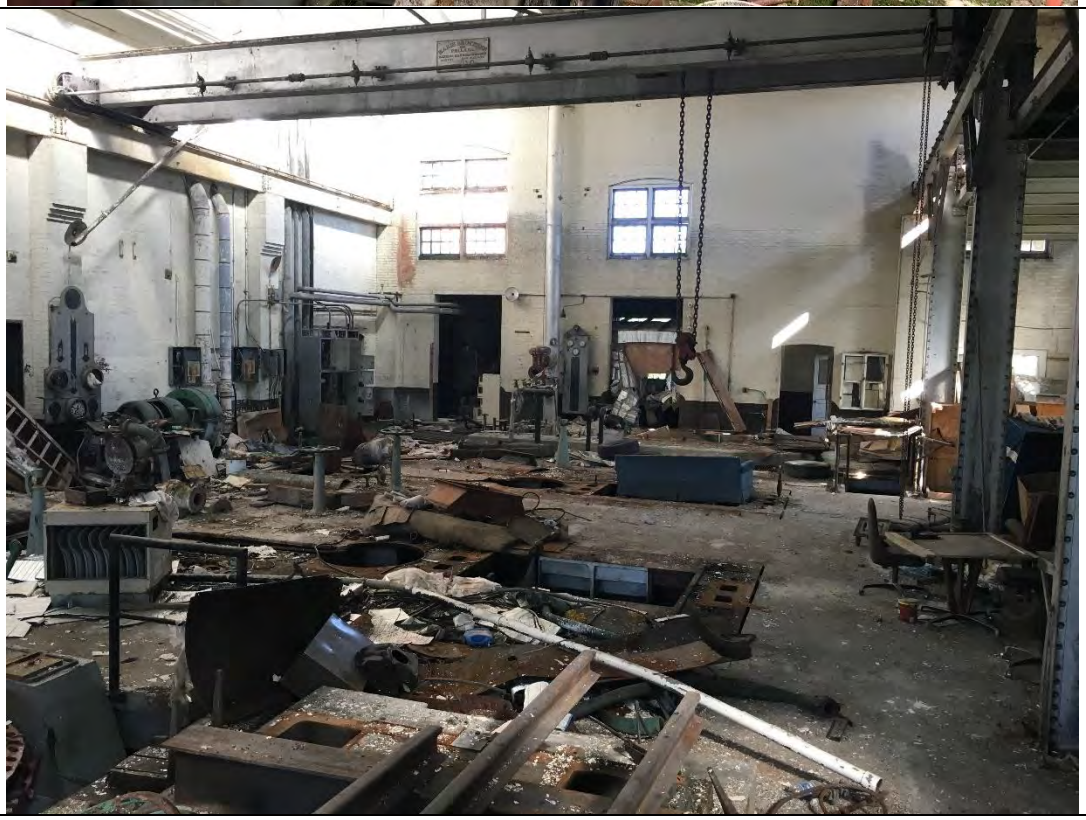
Photo No. 2	Date: 06/02/2017
Photo Coordinates	
Lat	44.91275
Long	-106.988153
Direction Photo Taken: 27.2047713717694	
Description: Wooden windows have LBP. A change in the windows indicates an addition to the power plant.	

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Acme Power Plant	Sheridan, WY	0003/1609-07

Photo No. 3	Date: 06/01/2017
Photo Coordinates	
Lat	44.895706
Long	-106.985367
Direction Photo Taken: 289.64824120603	
Description: Turbine room adjacent to the Steam Boiler Unit. Fiberboard was confirmed to be ACM and fire doors on that wall were assumed to be ACM.	

Photo No. 4	Date: 06/01/2017
Photo Coordinates	
Lat	44.912767
Long	-106.987853
Direction Photo Taken: 309.263358778626	
Description: Lower turbine room with ACM pipe insulation and LBP.	



PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Acme Power Plant	Sheridan, WY	0003/1609-07

Photo No. 5	Date: 06/01/2017
Photo Coordinates	
Lat	44.89745
Long	-106.9786
Direction Photo Taken: 270.152985074627	
Description: ACM pipe joints and runs coming from the basement. Pipe flange fitting were assumed to be ACM.	

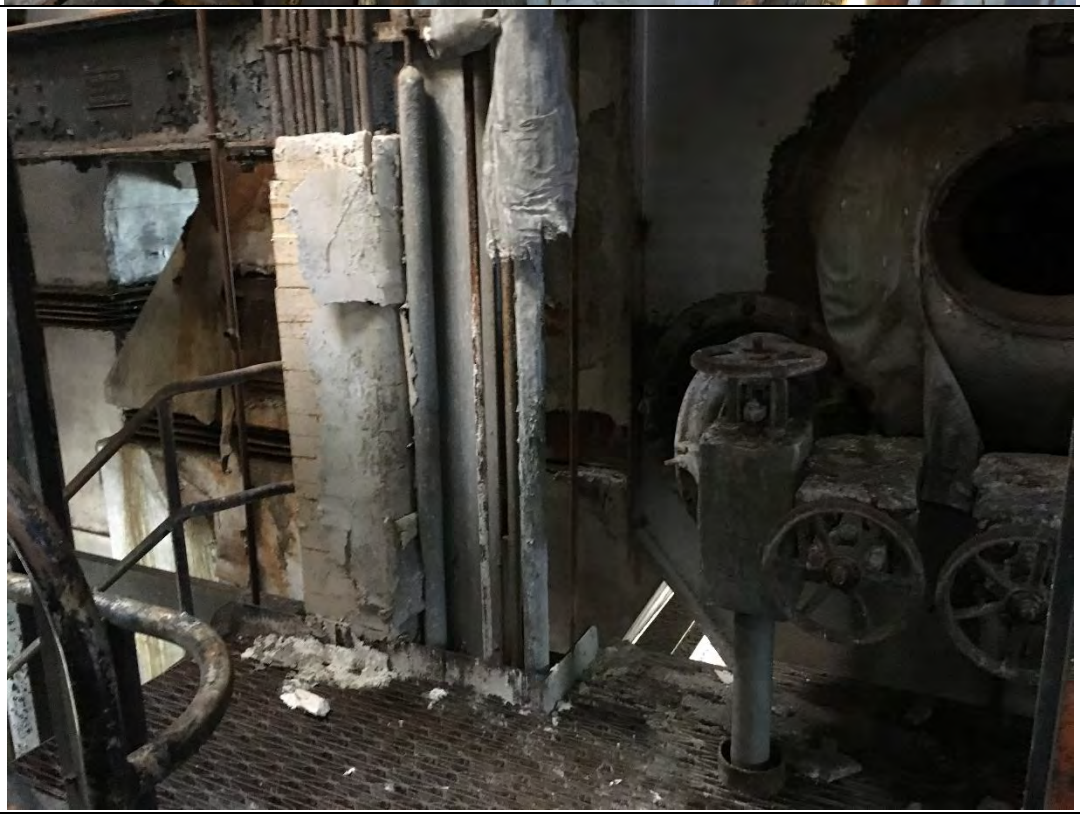
Photo No. 6	Date: 06/01/2017
Description: Front of the Steam Boiler Unit on the lowest level.	

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Acme Power Plant	Sheridan, WY	0003/1609-07

Photo No. 7	Date: 06/03/2017
Photo Coordinates	
Lat	44.912783
Long	-106.988092
Direction Photo Taken: 291.101754385965	
Description: ACM boiler jacket and lath on the Steam Boiler Unit.	

Photo No. 8	Date: 06/04/2017
Photo Coordinates	
Lat	44.912778
Long	-106.988014
Direction Photo Taken: 110.776327241079	
Description: ACM fire brick and pipe insulation by the Steam Boiler Unit.	



PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Acme Power Plant	Sheridan, WY	0003/1609-07

Photo No. 9	Date: 06/04/2017
Photo Coordinates	
Lat	44.912781
Long	-106.988075
Direction Photo Taken: 149.614268440145	
Description: ACM boiler door gasket on the Steam Boiler Unit. Plaster inside is not asbestos.	

Photo No. 10	Date: 06/04/2017
Photo Coordinates	
Lat	44.912822
Long	-106.987953
Direction Photo Taken: 73.0082417582418	
Description: ACM pipe joints and runs on the lower level of the Steam Boiler Unit.	

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Acme Power Plant	Sheridan, WY	0003/1609-07

Photo No. 11	Date: 06/04/2017
Photo Coordinates	
Lat	44.912783
Long	-106.987878
Direction Photo Taken: 206.016666666667	
Description: Evaporator with ACM debris on the ground.	

Photo No. 12	Date: 06/04/2017
Photo Coordinates	
Lat	44.912822
Long	-106.987953
Direction Photo Taken: 354.684173172463	
Description: Evaporator with ACM pipe joints, runs, and jacket on the lower level by the Steam Boiler Unit.	

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Acme Power Plant	Sheridan, WY	0003/1609-07

Photo No. 13	Date: 06/04/2017
Photo Coordinates	
Lat	44.912783
Long	-106.988097
Direction Photo Taken: 276.917431192661	
Description: ACM pipe joints, runs, and jacket on a unit above the evaporator.	

Photo No. 14	Date: 06/04/2017
Photo Coordinates	
Lat	44.912769
Long	-106.988
Direction Photo Taken: 234.774154589372	
Description: ACM pipe joints, runs, and jacket on the surface water heater/deaerator.	

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Acme Power Plant	Sheridan, WY	0003/1609-07

Photo No. 15	Date: 06/04/2017
Photo Coordinates	
Lat	44.912803
Long	-106.988092
Direction Photo Taken: 322.977272727273	
Description: Insulation was ACM throughout all piping and jackets.	

Photo No. 16	Date: 06/01/2017
Description: Looking at the Old Heine Boilers.	

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Acme Power Plant	Sheridan, WY	0003/1609-07

Photo No. 17	Date: 06/04/2017
Photo Coordinates	
Lat	44.912875
Long	-106.988281

Direction Photo Taken:
340.640909090909

Description:

Black caulking on the brick of the Old Heine Boilers was confirmed to be ACM.

Photo No. 18	Date: 06/02/2017

Description:

Plaster atop the Old Heine Boilers was confirmed to be ACM. More ACM black caulking is present too.

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Acme Power Plant	Sheridan, WY	0003/1609-07

Photo No. 19	Date: 06/04/2017
Photo Coordinates	
Lat	44.913014
Long	-106.988303
Direction Photo Taken: 334.983240223464	
Description: ACM boiler insulation on the Detroit Stoker.	

Photo No. 20	Date: 06/01/2017
Photo Coordinates	
Lat	44.913058
Long	-106.988092
Direction Photo Taken: 301.065843621399	
Description: Evaporator by the office with ACM pipe joints, runs, and jacket.	

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Acme Power Plant	Sheridan, WY	0003/1609-07

Photo No. 21	Date: 06/01/2017
Photo Coordinates	
Lat	44.912461
Long	-106.987878
Direction Photo Taken: 2.57159420289855	
Description: ACM wire insulation was sampled coming out of the induction motor by the blower.	

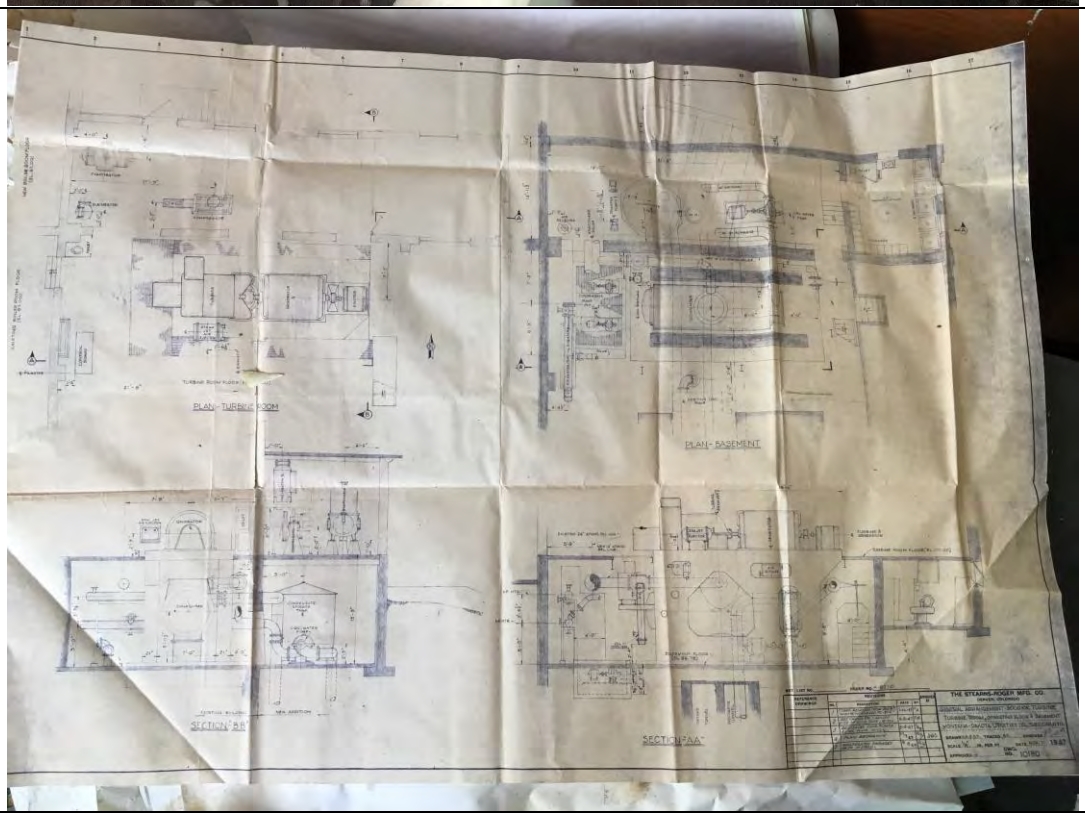
Photo No. 22	Date: 06/03/2017
Photo Coordinates	
Lat	44.912022
Long	-106.987244
Direction Photo Taken: 32.0833129733692	
Description: ACM jacket on the blower fan on the upper catwalk.	

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Acme Power Plant	Sheridan, WY	0003/1609-07

Photo No. 23	Date: 06/04/2017
Photo Coordinates	
Lat	44.912914
Long	-106.987983
Direction Photo Taken: 304.306818181818	
Description: Piping insulation, when present, in the basement included ACM pipe joints and runs. Flange gaskets were assumed ACM.	

Photo No. 24	Date: 06/04/2017
Description: Floorplan of a portion of the basement below the larger turbine room. The basement was not entered due to standing water.	



PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Acme Power Plant	Sheridan, WY	0003/1609-07

Photo No. 25	Date: 06/04/2017
Photo Coordinates	
Lat	44.912808
Long	-106.987992
Direction Photo Taken: 289.232876712329	
Description: ACM electrical panel parts observed in a turbine room.	

Photo No. 26	Date: 06/02/2017
Photo Coordinates	
Lat	44.523556
Long	-106.271872
Direction Photo Taken: 327.031496062992	
Description: Roofing tar was confirmed to be ACM.	

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Acme Power Plant	Sheridan, WY	0003/1609-07

Photo No. 27	Date: 06/04/2017
Photo Coordinates	
Lat	44.912808
Long	-106.988092
Direction Photo Taken: 199.554794520548	
Description: ACM insulation debris on a catwalk by the Steam Boiler Unit.	

Photo No. 28	Date: 06/04/2017
Photo Coordinates	
Lat	44.912803
Long	-106.988092
Direction Photo Taken: 101.402255639098	
Description: ACM insulation debris on a catwalk by the Steam Boiler Unit.	

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Acme Power Plant	Sheridan, WY	0003/1609-07

Photo No. 29	Date: 06/04/2017
Photo Coordinates	
Lat	44.912792
Long	-106.988061

Direction Photo Taken:
211.109826589595

Description:

ACM insulation debris on a catwalk by the Steam Boiler Unit.

Photo No. 30	Date: 06/04/2017
Photo Coordinates	
Lat	44.912731
Long	-106.988014

Direction Photo Taken:
230.747126436782

Description:

ACM insulation debris on a catwalk by the Steam Boiler Unit.

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Acme Power Plant	Sheridan, WY	0003/1609-07

Photo No. 31	Date: 06/04/2017
Photo Coordinates	
Lat	44.912778
Long	-106.987878

Direction Photo Taken:
193.327526132404

Description:

ACM insulation debris in the area by the Steam Boiler Unit.

Photo No. 32	Date: 06/04/2017
Photo Coordinates	
Lat	44.912972
Long	-106.988319

Direction Photo Taken:
4.71606475716065

Description:

ACM insulation debris present in a hallway adjacent to the Detroit Stoker.

Project Name:	Site Location:	Project No.
Acme Power Plant	Sheridan, WY	0003/1609-07

Photo No. 33	Date: 06/04/2017
Photo Coordinates	
Lat	44.913058
Long	-106.988389

Direction Photo Taken:
295.38064516129

Description:

ACM insulation debris in the hallway behind the Detroit Stoker.

Photo No. 34	Date: 06/04/2017
Photo Coordinates	
Lat	44.913033
Long	-106.987953

Direction Photo Taken:
77.4700854700855

Description:

Insulation storage loft in the turbine room. All insulation is assumed to be ACM.

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Acme Power Plant	Sheridan, WY	0003/1609-07

Photo No. 35	Date: 06/04/2017
Photo Coordinates	
Lat	44.912808
Long	-106.987939

Direction Photo Taken:
46.1694915254237

Description:

PCB transformers with PCB contaminated sediments and concrete below.

Photo No. 36	Date: 06/04/2017
Photo Coordinates	
Lat	44.912967
Long	-106.987953

Direction Photo Taken:
80.5169971671388

Description:

Mold observed in the basement of the power plant.

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Acme Power Plant	Sheridan, WY	0003/1609-07

Photo No. 37	Date: 05/31/2017

Photo Coordinates

Lat	44.912819
Long	-106.988533

Direction Photo Taken:
8.446044921875

Description:

Barn with LBP on the doors.

Photo No. 38	Date: 05/31/2017

Description:

ACM manhole gaskets observed in the barn.

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Acme Power Plant	Sheridan, WY	0003/1609-07

Photo No.	Date:
39	05/31/2017

Description:

Box of ACM pipe insulation observed in the loft of the barn.

Photo No.	Date:
40	05/31/2017

Description:

Several planks of ACM fiberboard were observed in the loft of the barn.

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Acme Power Plant	Sheridan, WY	0003/1609-07

Photo No. 41	Date: 05/31/2017
Photo Coordinates	
Lat	44.913064
Long	-106.988403
Direction Photo Taken: 244.182242990654	
Description: Box of Johns-Manville Superex Combination ACM pipe insulation found in the barn.	

Photo No. 42	Date: 05/31/2017
Photo Coordinates	
Lat	44.913064
Long	-106.988525
Direction Photo Taken: 323.338383838384	
Description: LBP on green door paint in the barn.	

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Acme Power Plant	Sheridan, WY	0003/1609-07

Photo No. 43	Date: 05/31/2017
Photo Coordinates	
Lat	44.912906
Long	-106.988694
Direction Photo Taken: 43.2990726429675	
Description: Potential PCB-containing ballast observed in the barn.	

Photo No. 44	Date: 05/31/2017
Photo Coordinates	
Lat	44.912572
Long	-106.988031
Direction Photo Taken: 277.092307692308	
Description: Looking at the shop. LBP is present on all doors and windows painted green.	

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Acme Power Plant	Sheridan, WY	0003/1609-07

Photo No. 45	Date: 05/31/2017
Photo Coordinates	
Lat	44.906875
Long	-106.987189
Direction Photo Taken: 58.4964601769912	
Description: Gallon of Asbestoline Roof Coating found in the loft of the shop and is assumed to be ACM.	

Photo No. 46	Date: 05/31/2017
Photo Coordinates	
Lat	44.912669
Long	-106.988053
Direction Photo Taken: 273.155080213904	
Description: Partial container of Johns-Manville Fireite Asbestos Furnace Cement also found in the loft of the shop. All furnace cement in the power plant is assumed to be ACM.	

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Acme Power Plant	Sheridan, WY	0003/1609-07

Photo No. 47	Date: 05/31/2017
Photo Coordinates	
Lat	44.912742
Long	-106.987878
Direction Photo Taken: 63.8181456426582	
Description: Several variations of ACM mechanical packings and gaskets observed in the shop. NOTE: These are likely present in the power plant.	

Photo No. 48	Date: 05/31/2017
Photo Coordinates	
Lat	44.912628
Long	-106.988219
Direction Photo Taken: 33.2334905660377	
Description: Potential PCB-containing ballast observed in the shop.	

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Acme Power Plant	Sheridan, WY	0003/1609-07

Photo No. 49	Date: 05/31/2017
Photo Coordinates	
Lat	44.912861
Long	-106.987603
Direction Photo Taken: 345.305084745763	
Description: LBP is present on the brown paint of the trailer addition.	

Photo No. 50	Date: 05/31/2017
Description: Mercury-containing thermostat switch observed in the trailer.	

PHOTOGRAPH LOG

Project Name:	Site Location:	Project No.
Acme Power Plant	Sheridan, WY	0003/1609-07

Photo No.	Date:
51	12/02/2016

Description:

ACM linoleum present in the little house.

Photo No.	Date:
52	06/04/2017

Photo Coordinates

Lat	44.912578
Long	-106.988175

Direction Photo Taken:
168.76245210728

Description:

Tote of ACM pipe insulation debris observed on the exterior. Soil around the tote had trace amounts of Chrysotile present.

APPENDIX B
LABORATORY REPORTS

REI LAB **Reservoirs Environmental, Inc.**

June 14, 2017

Subcontract Number: **NA**
Laboratory Report: **RES 381215-1**
Project # / P.O. # **20408.016.003.0411.00**
Project Description: **Acme Power Plant**

Greg Geras
Weston Solutions, Inc. (CO)
1435 Garrison St. Ste. 100
Lakewood CO 80215

Dear Customer,

Reservoirs Environmental, Inc. is an analytical laboratory accredited for the analysis of Industrial Hygiene and Environmental matrices by the National Voluntary Laboratory Accreditation Program (NVLAP), Lab Code 101896-0 for Transmission Electron Microscopy (TEM) and Polarized Light Microscopy (PLM) analysis and the American Industrial Hygiene Association (AIHA), Lab ID 101533 - Accreditation Certificate #480 for Phase Contrast Microscopy (PCM) analysis. This laboratory is currently proficient in both Proficiency Testing and PAT programs respectively.

Reservoirs Environmental, Inc. has analyzed the following samples for asbestos content as per your request. The analysis has been completed in general accordance with the appropriate methodology as stated in the attached analysis table. The results have been submitted to your office.

RES 381215-1 is the job number assigned to this study. This report is considered highly confidential and the sole property of the customer. Reservoirs Environmental, Inc. will not discuss any part of this study with personnel other than those of the client. The results described in this report only apply to the samples analyzed. This report must not be used to claim endorsement of products or analytical results by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without written approval from Reservoirs Environmental, Inc. Samples will be disposed of after sixty days unless longer storage is requested. If you have any questions about this report, please feel free to call 303-964-1986.

Sincerely,

Jeanne Spencer
President

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 381215-1**
Client: **Weston Solutions, Inc. (CO)**
Client Project Number / P.O.: **20408.016.003.0411.00**
Client Project Description: **Acme Power Plant**
Date Samples Received: **June 06, 2017**
Method: **EPA 600/R-93/116 - Short Report, Bulk**
Turnaround: **3-5 Day**
Date Samples Analyzed: **June 13, 2017**

ND=None Detected
TR=Trace, <1% Visual Estimate
Trem/Act=Tremolite/Actinolite

Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
APP-SO01-ACM	EM 1873589	A	Dark brown/black soil	100	**Chrysotile**	**TR**	4	96
APP-SO02-ACM	EM 1873590	A	Dark brown/black soil	100	**Chrysotile**	**TR**	5	95
APP-SO03-ACM	EM 1873591	A	Dark brown/black soil	100	**Chrysotile**	**TR**	5	95
APP-SO04-ACM	EM 1873592	A	Dark brown/black soil	100	**Chrysotile**	**TR**	5	95

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

Chris Werre

Analyst / Data QA

Due Date: 6-9-6-13
Due Time: ____

Reservoirs Environmental, Inc.

5801 Logan St. Denver, CO 80216 • Ph: 303 964-1986 • Fax 303-477-4275 • Toll Free 866 RESI-ENV

RES 381215

Page 1 of 1

After Hours Cell Phone: 720-339-9228

INVOICE TO: (IF DIFFERENT)		CONTACT INFORMATION:	
Company: **Weston Solutions, Inc**	Company: **Weston Solutions, Inc**	Contact: **Greg Geras**	Contact:
Address: 1435 Garrison St Suite 100	Address:	Phone: 303-729-6142	Phone:
Lakewood, CO 80215		Fax:	Fax:
		Cell/pager: 303-801-7470	Cell/pager:
Project Number and/or P.O. #: 20408.016.003.0411.00		Final Data Deliverable Email Address: **Greg.Geras@WestonSolutions.com**	
Project Description/Location: Acme Power Plant			

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm

PLM / PCM / TEM ___ RUSH (Same Day) ___ PRIORITY (Next Day) X STANDARD
(Rush PCM = 2hr, TEM = 6hr.)

CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm

Metal(s) / Dust ___ RUSH ___ 24 hr. ___3-5 Day

RCRA 8 / Metals & Welding Fume Scan / TCLP ___ RUSH ___ 5 day ___10 day

Organics ___ 24 hr. ___ 3 day ___5 Day

****Prior notification is required for RUSH turnarounds.****

MICROBIOLOGY LABORATORY HOURS: Weekdays: 9am - 6pm

E.coli O157:H7, Coliforms, S.aureus ___ 24 hr. ___2 Day ___3-5 Day

Salmonella, Listeria, E.coli, APC, Y & M ___ 48 Hr. ___3-5 Day

Mold ___ RUSH ___24 Hr ___48 Hr ___3 Day ___5 Day

Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.

Special Instructions:

REQUESTED ANALYSIS

VALID MATRIX CODES

Air = A	Bulk = B
Dust = D	Paint = P
Soil = S	Wipe = W
Swab = SW	F = Food
Drinking Water = DW	Waste Water = WW
O = Other	

ASTM E1792 approved wipe media only

Client sample ID number (Sample ID's must be unique)	PLM - Short report, Long report, Point Count	TEM - AHERA, Level II, 7402, ISO, +/-, Quant, Semi-quant, Micro-vac, ISO-Indirect Preps	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) RCRA 8, TCLP, Welding Fume, Metals Scan	ORGANICS - METH	MICROBIOLOGY: Salmonella: +/-	MICROBIOLOGY: E.coli O157:H7: +/-	MICROBIOLOGY: Listeria: +/-	MICROBIOLOGY: Aerobic Plate Count: +/- or Quantification	MICROBIOLOGY: E.coli: +/- or Quantification	MICROBIOLOGY: Coliforms: +/- or Quantification	MICROBIOLOGY: S.aureus: +/- or Quantification	MICROBIOLOGY: Y & M: +/- or Quantification	MICROBIOLOGY: Mold: +/-, Identification, Quantification	SAMPLER'S INITIALS OR OTHER NOTES	Sample Volume (L) / Area	Matrix Code	# Containers	Date Collected mm/dd/yy	Time Collected hh/mm a/p	EM Number (Laboratory Use Only)
1 APP-SO01-ACM	X																	S	1	6/4/2017		1873589
2 APP-SO02-ACM	X																	S	1	6/4/2017		94
3 APP-SO03-ACM	X																	S	1	6/4/2017		91
4 APP-SO04-ACM	X																	S	1	6/4/2017		92
5																						
6																						
7																						
8																						
9																						
10																						

Number of samples received: 4 (Additional samples shall be listed on attached long form.)

NOTE: REI will analyze incoming samples based upon information received and will not be responsible for errors or omissions in calculations resulting from the inaccuracy of original data. By signing client/company representative agrees that submission of the following samples for requested analysis as indicated on this Chain of Custody shall constitute an analytical services agreement with payment terms of NET 30 days, failure to comply with payment terms may result in a 1.5% monthly interest surcharge.

Relinquished By: Date/Time: 6/6/17 8:40

Laboratory Use Only
Received By: Date/Time: 6/6/17 8:50 Carrier: fed

Sample Condition: On Ice Yes / No; Sealed Yes / No; Intact Yes / No
Temp. (F°) ____

Results:	Contact	Phone Email Fax	Date	Time	Initials	Contact	Phone Email Fax	Date	Time	Initials
	Contact	Phone Email Fax	Date	Time	Initials	Contact	Phone Email Fax	Date	Time	Initials

REI LAB **Reservoirs Environmental, Inc.**

June 24, 2017

Subcontract Number: **NA**
Laboratory Report: **RES 381216-2**
Project # / P.O. # **20408.016.003.0411.00**
Project Description: **Acme Power Plant**

Greg Geras
Weston Solutions, Inc. (CO)
1435 Garrison St. Ste. 100
Lakewood CO 80215

Dear Customer,

Reservoirs Environmental, Inc. is an analytical laboratory accredited for the analysis of Industrial Hygiene and Environmental matrices by the National Voluntary Laboratory Accreditation Program (NVLAP), Lab Code 101896-0 for Transmission Electron Microscopy (TEM) and Polarized Light Microscopy (PLM) analysis and the American Industrial Hygiene Association (AIHA), Lab ID 101533 - Accreditation Certificate #480 for Phase Contrast Microscopy (PCM) analysis. This laboratory is currently proficient in both Proficiency Testing and PAT programs respectively.

Reservoirs Environmental, Inc. has analyzed the following samples for asbestos content as per your request. The analysis has been completed in general accordance with the appropriate methodology as stated in the attached analysis table. The results have been submitted to your office.

RES 381216-2 is the job number assigned to this study. This report is considered highly confidential and the sole property of the customer. Reservoirs Environmental, Inc. will not discuss any part of this study with personnel other than those of the client. The results described in this report only apply to the samples analyzed. This report must not be used to claim endorsement of products or analytical results by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without written approval from Reservoirs Environmental, Inc. Samples will be disposed of after sixty days unless longer storage is requested. If you have any questions about this report, please feel free to call 303-964-1986.

Sincerely,

Jeanne Spencer
President

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 381216-2**
Client: **Weston Solutions, Inc. (CO)**
Client Project Number / P.O.: **20408.016.003.0411.00**
Client Project Description: **Acme Power Plant**
Date Samples Received: **June 06, 2017**
Method: **EPA 600/R-93/116 - Point Count, Bulk**
Turnaround: **3-5 Day**
Date Samples Analyzed: **June 23, 2017**

ND=None Detected
TR=Trace, <1% Visual Estimate
Trem/Act=Tremolite/Actinolite

Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
APP-B-PL01-001	EM 1873593	A	Tan granular material	100		**ND**	0	100
APP-B-PL02-002	EM 1873594	A	Grayish-tan granular material	100		**ND**	0	100
APP-B-IN01-003	EM 1873595	A	Gray insulation	100		**ND**	95	5
APP-B-PI01-004	EM 1873596	A	Light pink/off white fibrous plaster	100	**Amosite**	**13**	0	87
APP-B-PI02-005	EM 1873597	A	White fibrous plaster w/ black debris	100	**Chrysotile**	**8**	0	87
					Amosite	**5**		
APP-B-FB01-006	EM 1873598	A	Tan fibrous material w/ black adhesive	15	**Chrysotile**	**TR**	85	15
		B	Gray fibrous cementitious material	85	**Chrysotile**	**12**	0	88
APP-B-MG01-007	EM 1873599	A	Blue/off white fibrous material	100	**Chrysotile**	**80**	0	20
APP-B-HI01-008	EM 1873600	A	White fibrous material w/ black resinous material w/ red resinous material	100		**ND**	70	30
APP-M-RM01-009	EM 1873601	A	Black tar	50	**Chrysotile**	**3**	0	97
		B	Black tar	50	**Chrysotile**	**12**	0	88
APP-M-RM01-0010	EM 1873602	A	Black/tan shingle	100		**ND**	35	65

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 381216-2**
Client: **Weston Solutions, Inc. (CO)**
Client Project Number / P.O.: **20408.016.003.0411.00**
Client Project Description: **Acme Power Plant**
Date Samples Received: **June 06, 2017**
Method: **EPA 600/R-93/116 - Point Count, Bulk**
Turnaround: **3-5 Day**
Date Samples Analyzed: **June 23, 2017**

ND=None Detected
TR=Trace, <1% Visual Estimate
Trem/Act=Tremolite/Actinolite

Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
APP-M-RM03-0011	EM 1873603	A	Black shingle	100		**ND**	40	60
APP-M-BP01-0012	EM 1873604	A	Grayish-tan/black fibrous cementitious material w/ silver metallic material	100	**Chrysotile**	**12**	0	88
APP-M-PK01-013	EM 1873605	A	Silver fibrous material w/ black fibrous woven material	100	**Chrysotile**	**65**	7	28
APP-M-PK02-014	EM 1873606	A	White fibrous resinous material	100	**Chrysotile**	**25**	45	30
APP-M-PK03-015	EM 1873607	A	White fibrous material w/ silver debris	100	**Chrysotile**	**60**	15	25
APP-M-PK04-016	EM 1873608	A	White fibrous resinous material w/ white fibrous woven material	100	**Chrysotile**	**45**	30	25
APP-M-PK05-017	EM 1873609	A	White fibrous resinous material	100	**Chrysotile**	**55**	20	25
APP-M-PK06-018	EM 1873610	A	Off white fibrous material w/ silver debris	100	**Chrysotile**	**75**	5	20
APP-M-PK07-019	EM 1873611	A	Black fibrous resinous material	100	**Chrysotile**	**40**	30	30
APP-M-PK08-020	EM 1873612	A	Dark silver fibrous resinous material	100	**Chrysotile**	**65**	0	35
APP-M-PK09-021	EM 1873613	A	White fibrous resinous material	100		**ND**	70	30
APP-M-CV01-022	EM 1873614	A	White/off white fibrous material w/ gray debris	100	**Chrysotile**	**40**	0	60

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 381216-2**
Client: **Weston Solutions, Inc. (CO)**
Client Project Number / P.O.: **20408.016.003.0411.00**
Client Project Description: **Acme Power Plant**
Date Samples Received: **June 06, 2017**
Method: **EPA 600/R-93/116 - Point Count, Bulk**
Turnaround: **3-5 Day**
Date Samples Analyzed: **June 23, 2017**

ND=None Detected
TR=Trace, <1% Visual Estimate
Trem/Act=Tremolite/Actinolite

Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
APP-M-FL01-023	EM 1873615	A	Black fibrous material	100		**ND**	90	10
APP-M-WC01-024	EM 1873616	A	Off white glazing w/ off white paint & gray debris	100		**ND**	0	100
APP-T-DW01-025	EM 1873617	A	White/tan drywall w/ white/multi-colored paint	100		**ND**	35	65
APP-T-DW01-026	EM 1873618	A	White/tan drywall w/ white/multi-colored paint	100		**ND**	20	80
APP-T-DW01-027	EM 1873619	A	White/tan drywall w/ white/multi-colored paint	100		**ND**	20	80
APP-T-FT01-028	EM 1873620	A	Tan/black tile w/ colorless adhesive & gray debris	100		**ND**	TR	100
APP-T-RM01-029	EM 1873621	A	Black felt	30		**ND**	85	15
		B	Black shingle w/ black tar	35		**ND**	35	65
		C	Black/tan shingle	35		**ND**	35	65
APP-H-LN01-030	EM 1873622	A	Tan/yellow adhesive w/ tan fibrous debris	8		**ND**	80	20
		B	Orange sheet vinyl w/ off white fibrous backing material	92	**Chrysotile**	**25**	0	75
APP-P-WC01-031	EM 1873623	A	Orange resinous material w/ off white paint	100		**ND**	0	100
APP-P-DW01-032	EM 1873624	A	White/tan drywall w/ off white paint	100		**ND**	15	85
APP-P-DW01-033	EM 1873625	A	White/tan drywall w/ off white paint	100		**ND**	15	85

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 381216-2**
Client: **Weston Solutions, Inc. (CO)**
Client Project Number / P.O.: **20408.016.003.0411.00**
Client Project Description: **Acme Power Plant**
Date Samples Received: **June 06, 2017**
Method: **EPA 600/R-93/116 - Point Count, Bulk**
Turnaround: **3-5 Day**
Date Samples Analyzed: **June 23, 2017**

ND=None Detected
TR=Trace, <1% Visual Estimate
Trem/Act=Tremolite/Actinolite

Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
APP-P-DW01-034	EM 1873626	A	White/tan drywall w/ off white paint	100		**ND**	15	85
APP-P-DW02-035	EM 1873627	A	White compound	3		**ND**	0	100
		B	Off white/tan drywall	97		**ND**	15	85
APP-P-DW02-036	EM 1873628	A	Off white/tan drywall	100		**ND**	15	85
APP-P-DW02-037	EM 1873629	A	Tan/black tar paper w/ pink insulation debris	35		**ND**	70	30
		B	Off white/tan drywall	65		**ND**	25	75
APP-P-JC01-038	EM 1873630	A	White compound w/ white debris	100		**ND**	0	100
APP-P-JC01-039	EM 1873631	A	White compound	100		**ND**	0	100
APP-P-PL01-040	EM 1873632	A	Brown fibrous debris	2	**Chrysotile**	**40**	45	15
		B	Brown fibrous material	4		**ND**	95	5
		C	Gray granular plaster w/ white/multi-colored paint	94		**ND**	TR	100
APP-P-PL01-041	EM 1873633	A	Gray granular plaster	100		**ND**	TR	100
APP-P-PL01-042	EM 1873634	A	Gray granular plaster	100		**ND**	0	100
APP-P-PL01-043	EM 1873635	A	Gray granular plaster	100		**ND**	TR	100

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 381216-2**
Client: **Weston Solutions, Inc. (CO)**
Client Project Number / P.O.: **20408.016.003.0411.00**
Client Project Description: **Acme Power Plant**
Date Samples Received: **June 06, 2017**
Method: **EPA 600/R-93/116 - Point Count, Bulk**
Turnaround: **3-5 Day**
Date Samples Analyzed: **June 23, 2017**

ND=None Detected
TR=Trace, <1% Visual Estimate
Trem/Act=Tremolite/Actinolite

Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
APP-P-PL01-044	EM 1873636	A	Light pink fibrous plaster	100	**Chrysotile**	**12**	0	83
					Amosite	**5**		
APP-P-PL02-045	EM 1873637	A	Gray granular material	100		**ND**	0	100
APP-P-PL02-046	EM 1873638	A	Gray granular material w/ white/silver paint	100		**ND**	0	100
APP-P-PL02-047	EM 1873639	A	White/green fibrous debris	TR	**Chrysotile**	**65**	10	10
					Amosite	**15**		
		B	Gray granular material	100		**ND**	0	100
APP-P-PJ01-048	EM 1873640	A	White fibrous plaster w/ brown debris	100	**Chrysotile**	**10**	0	82
					Amosite	**8**		
APP-P-PI01-049	EM 1873641	A	Black/silver paint w/ white fibrous woven material	15		**ND**	80	20
		B	White fibrous plaster	85	**Chrysotile**	**7**	0	93
					Amosite	**TR**		

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 381216-2**
Client: **Weston Solutions, Inc. (CO)**
Client Project Number / P.O.: **20408.016.003.0411.00**
Client Project Description: **Acme Power Plant**
Date Samples Received: **June 06, 2017**
Method: **EPA 600/R-93/116 - Point Count, Bulk**
Turnaround: **3-5 Day**
Date Samples Analyzed: **June 23, 2017**

ND=None Detected
TR=Trace, <1% Visual Estimate
Trem/Act=Tremolite/Actinolite

Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
APP-P-PI01-050	EM 1873642	A	White fibrous woven material w/ green paint	15		**ND**	85	15
		B	White fibrous plaster	85	**Chrysotile**	**12**	0	83
					Amosite	**5**		
APP-P-PI01-051	EM 1873643	A	White fibrous woven material w/ grayish-green paint	12		**ND**	85	15
		B	White fibrous plaster	88	**Chrysotile**	**12**	0	80
					Amosite	**8**		
APP-P-BJ01-052	EM 1873644	A	Gray fibrous woven material w/ silver paint	15		**ND**	80	20
		B	Off white fibrous plaster	85	**Chrysotile**	**12**	0	80
					Amosite	**8**		
APP-P-BJ01-053	EM 1873645	A	Off white fibrous plaster	100	**Chrysotile**	**12**	0	80
					Amosite	**8**		

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 381216-2**
Client: **Weston Solutions, Inc. (CO)**
Client Project Number / P.O.: **20408.016.003.0411.00**
Client Project Description: **Acme Power Plant**
Date Samples Received: **June 06, 2017**
Method: **EPA 600/R-93/116 - Point Count, Bulk**
Turnaround: **3-5 Day**
Date Samples Analyzed: **June 23, 2017**

ND=None Detected
TR=Trace, <1% Visual Estimate
Trem/Act=Tremolite/Actinolite

Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
APP-P-BJ01-054	EM 1873646	A	Gray fibrous woven material w/ silver paint	15		**ND**	85	15
		B	Off white fibrous plaster	40	**Chrysotile**	**12**	0	80
					Amosite	**8**		
		C	White fibrous plaster	45	**Chrysotile**	**10**	0	85
					Amosite	**5**		
APP-P-PJ02-055	EM 1873647	A	White fibrous woven material w/ light blue/multi-colored paint	10		**ND**	85	15
		B	White fibrous plaster	90	**Chrysotile**	**12**	0	80
					Amosite	**8**		
APP-P-PI02-056	EM 1873648	A	White fibrous woven material w/ gray paint	15		**ND**	85	15
		B	White fibrous plaster	85	**Chrysotile**	**10**	0	85
					Amosite	**5**		

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 381216-2**
Client: **Weston Solutions, Inc. (CO)**
Client Project Number / P.O.: **20408.016.003.0411.00**
Client Project Description: **Acme Power Plant**
Date Samples Received: **June 06, 2017**
Method: **EPA 600/R-93/116 - Point Count, Bulk**
Turnaround: **3-5 Day**
Date Samples Analyzed: **June 23, 2017**

ND=None Detected
TR=Trace, <1% Visual Estimate
Trem/Act=Tremolite/Actinolite

Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
APP-P-PI02-057	EM 1873649	A	White fibrous woven material w/ gray paint	12		**ND**	85	15
		B	White fibrous plaster	88	**Chrysotile**	**10**	0	85
					Amosite	**5**		
APP-P-PI02-058	EM 1873650	A	White fibrous woven material w/ gray paint	12		**ND**	85	15
		B	White fibrous plaster	88	**Chrysotile**	**10**	0	80
					Amosite	**10**		
APP-P-EJ01-059	EM 1873651	A	White fibrous woven material w/ gray paint	12		**ND**	85	15
		B	Light gray fibrous plaster	88	**Chrysotile**	**15**	0	80
					Amosite	**5**		
APP-P-EJ01-060	EM 1873652	A	White fibrous woven material w/ gray paint	12		**ND**	85	15
		B	Light gray fibrous plaster	88	**Chrysotile**	**15**	0	80
					Amosite	**5**		

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 381216-2**
Client: **Weston Solutions, Inc. (CO)**
Client Project Number / P.O.: **20408.016.003.0411.00**
Client Project Description: **Acme Power Plant**
Date Samples Received: **June 06, 2017**
Method: **EPA 600/R-93/116 - Point Count, Bulk**
Turnaround: **3-5 Day**
Date Samples Analyzed: **June 23, 2017**

ND=None Detected
TR=Trace, <1% Visual Estimate
Trem/Act=Tremolite/Actinolite

Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
APP-P-EJ01-061	EM 1873653	A	Light gray fibrous plaster	100	**Chrysotile**	**15**	0	80
					Amosite	**5**		
APP-P-EJ02-062	EM 1873654	A	White fibrous plaster	20	**Chrysotile**	**15**	0	80
					Amosite	**5**		
		B	Brown fibrous material	80	**Chrysotile**	**60**	0	40
APP-P-EJ02-063	EM 1873655	A	Brown fibrous material	20	**Chrysotile**	**60**	0	40
		B	White fibrous plaster	80	**Chrysotile**	**3**	0	82
					Amosite	**15**		
APP-P-EJ02-064	EM 1873656	A	White fibrous plaster	10	**Chrysotile**	**3**	0	82
					Amosite	**15**		
		B	Gray fibrous material	90	**Chrysotile**	**60**	0	40
APP-P-IB01-065	EM 1873657	A	White granular plaster	100		**ND**	0	100
APP-P-IB01-066	EM 1873658	A	White granular plaster	100		**ND**	0	100

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 381216-2**
Client: **Weston Solutions, Inc. (CO)**
Client Project Number / P.O.: **20408.016.003.0411.00**
Client Project Description: **Acme Power Plant**
Date Samples Received: **June 06, 2017**
Method: **EPA 600/R-93/116 - Point Count, Bulk**
Turnaround: **3-5 Day**
Date Samples Analyzed: **June 23, 2017**

ND=None Detected
TR=Trace, <1% Visual Estimate
Trem/Act=Tremolite/Actinolite

Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
APP-P-IB01-067	EM 1873659	A	White granular plaster	100		**ND**	0	100
APP-P-D101-068	EM 1873660	A	White fibrous woven material w/ brown/white coating	100	**Chrysotile**	**75**	10	15
APP-P-FB01-069	EM 1873661	A	Gray fibrous material	50	**Chrysotile**	**50**	0	47
					Amosite	**3**		
		B	Pink fibrous plaster	50	**Chrysotile**	**4**	0	84
					Amosite	**12**		
APP-P-FI01-070	EM 1873662	A	Gray fibrous material	20	**Chrysotile**	**60**	0	40
		B	White fibrous plaster	80	**Chrysotile**	**7**	0	80
					Amosite	**13**		
APP-P-FI01-071	EM 1873663	A	Gray fibrous material	30	**Chrysotile**	**60**	0	40
		B	White fibrous plaster	70	**Chrysotile**	**3**	0	70
					Amosite	**27**		

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 381216-2**
Client: **Weston Solutions, Inc. (CO)**
Client Project Number / P.O.: **20408.016.003.0411.00**
Client Project Description: **Acme Power Plant**
Date Samples Received: **June 06, 2017**
Method: **EPA 600/R-93/116 - Point Count, Bulk**
Turnaround: **3-5 Day**
Date Samples Analyzed: **June 23, 2017**

ND=None Detected
TR=Trace, <1% Visual Estimate
Trem/Act=Tremolite/Actinolite

Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
APP-P-FI01-072	EM 1873664	A	White fibrous plaster	10	**Chrysotile**	**3**	0	67
					Amosite	**30**		
		B	Dark gray/black fibrous material	20	**Chrysotile**	**10**	45	45
		C	Gray fibrous material	70	**Chrysotile**	**60**	0	40
APP-P-RM01-073	EM 1873665	A	Silver resinous material	10	**Chrysotile**	**2**	0	98
					Point Count	**0.75**		
		B	Multi-colored pebbles	25		**ND**	0	100
		C	Black tar	65	**Chrysotile**	**3**	0	97
					Point Count	**2.25**		
APP-P-PJ03-074	EM 1873666	A	Tan fibrous woven material w/ gray paint	5		**ND**	75	25
		B	Gray fibrous material	20	**Chrysotile**	**70**	0	30
		C	White fibrous plaster	75	**Chrysotile**	**3**	0	82
					Amosite	**15**		

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 381216-2**
Client: **Weston Solutions, Inc. (CO)**
Client Project Number / P.O.: **20408.016.003.0411.00**
Client Project Description: **Acme Power Plant**
Date Samples Received: **June 06, 2017**
Method: **EPA 600/R-93/116 - Point Count, Bulk**
Turnaround: **3-5 Day**
Date Samples Analyzed: **June 23, 2017**

ND=None Detected
TR=Trace, <1% Visual Estimate
Trem/Act=Tremolite/Actinolite

Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
APP-P-PI03-075	EM 1873667	A	Tan fibrous woven material w/ gray paint & gray resinous material	3		**ND**	20	80
		B	Gray fibrous material	7	**Chrysotile**	**65**	0	35
		C	Pink fibrous plaster	90	**Chrysotile**	**10**	0	84
					Amosite	**6**		
APP-P-PI03-076	EM 1873668	A	Tan fibrous woven material w/ gray paint	5		**ND**	60	40
		B	White fibrous plaster	95	**Chrysotile**	**10**	0	83
					Amosite	**7**		
APP-P-PI03-077	EM 1873669	A	Tan fibrous woven material w/ gray paint	5		**ND**	60	40
		B	White fibrous plaster	95	**Chrysotile**	**10**	0	83
					Amosite	**7**		
APP-P-EJO3-078	EM 1873670		Sample Not Received.					

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 381216-2**
Client: **Weston Solutions, Inc. (CO)**
Client Project Number / P.O.: **20408.016.003.0411.00**
Client Project Description: **Acme Power Plant**
Date Samples Received: **June 06, 2017**
Method: **EPA 600/R-93/116 - Point Count, Bulk**
Turnaround: **3-5 Day**
Date Samples Analyzed: **June 23, 2017**

ND=None Detected
TR=Trace, <1% Visual Estimate
Trem/Act=Tremolite/Actinolite

Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
APP-P-EJ03-079	EM 1873671	A	Tan fibrous woven material w/ gray paint	5		**ND**	60	40
		B	Gray fibrous material	45	**Chrysotile**	**45**	0	55
		C	White fibrous plaster	50	**Chrysotile**	**10**	0	83
					Amosite	**7**		
APP-P-EJO3-080	EM 1873672	A	Tan fibrous woven material w/ gray paint	5		**ND**	60	40
		B	Gray fibrous material	10	**Chrysotile**	**70**	0	30
		C	White fibrous plaster	25	**Chrysotile**	**10**	0	80
					Amosite	**10**		
		D	Gray fibrous material	60	**Chrysotile**	**45**	0	55
APP-P-EJ04-081	EM 1873673	A	White fibrous material w/ colorless adhesive	100	**Chrysotile**	**75**	0	25
APP-P-PI04-082	EM 1873674	A	White/tan fibrous plaster	100	**Chrysotile**	**8**	0	82
					Amosite	**10**		

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 381216-2**
Client: **Weston Solutions, Inc. (CO)**
Client Project Number / P.O.: **20408.016.003.0411.00**
Client Project Description: **Acme Power Plant**
Date Samples Received: **June 06, 2017**
Method: **EPA 600/R-93/116 - Point Count, Bulk**
Turnaround: **3-5 Day**
Date Samples Analyzed: **June 23, 2017**

ND=None Detected
TR=Trace, <1% Visual Estimate
Trem/Act=Tremolite/Actinolite

Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
APP-P-PI04-083	EM 1873675	A	Tan fibrous woven material w/ yellow/multi-colored paint	5		**ND**	50	50
		B	Brown/off white fibrous material	20	**Chrysotile**	**75**	0	25
		C	Off white fibrous plaster	75	**Chrysotile**	**45**	0	55
APP-P-PI04-084	EM 1873676	A	Tan fibrous woven material w/ yellow/multi-colored paint	50		**ND**	50	50
		B	White/tan fibrous material w/ colorless adhesive	50	**Chrysotile**	**75**	5	20
APP-P-BC01-085	EM 1873677	A	Black fibrous resinous material	100	**Chrysotile**	**15**	0	85
APP-P-BP01-086	EM 1873678	A	Tan granular micaceous plaster	100	**Chrysotile**	**3**	0	97
					Point Count	**1.75**		
APP-P-PJ05-087	EM 1873679	A	White fibrous plaster	100	**Chrysotile**	**10**	0	82
					Amosite	**8**		
APP-P-PI05-088	EM 1873680	A	White fibrous plaster	100	**Chrysotile**	**4**	0	84
					Amosite	**12**		

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 381216-2**
Client: **Weston Solutions, Inc. (CO)**
Client Project Number / P.O.: **20408.016.003.0411.00**
Client Project Description: **Acme Power Plant**
Date Samples Received: **June 06, 2017**
Method: **EPA 600/R-93/116 - Point Count, Bulk**
Turnaround: **3-5 Day**
Date Samples Analyzed: **June 23, 2017**

ND=None Detected
TR=Trace, <1% Visual Estimate
Trem/Act=Tremolite/Actinolite

Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
APP-P-PI05-089	EM 1873681	A	White fibrous plaster	100	**Chrysotile**	**12**	0	84
					Amosite	**4**		
APP-P-PI05-090	EM 1873682	A	White fibrous plaster	100	**Chrysotile**	**12**	0	84
					Amosite	**4**		
APP-P-BJ02-091	EM 1873683	A	White fibrous plaster	100	**Chrysotile**	**15**	0	82
					Amosite	**3**		
APP-P-BJ02-092	EM 1873684	A	Dark gray/black fibrous material	30	**Chrysotile**	**7**	43	50
		B	White fibrous plaster	70	**Chrysotile**	**15**	0	82
					Amosite	**3**		
APP-P-BJ02-093	EM 1873685	A	Gray fibrous material	10	**Chrysotile**	**45**	0	55
		B	Dark gray/black fibrous material	30	**Chrysotile**	**8**	42	50
		C	White fibrous plaster	60	**Chrysotile**	**15**	0	82
					Amosite	**3**		

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 381216-2**
Client: **Weston Solutions, Inc. (CO)**
Client Project Number / P.O.: **20408.016.003.0411.00**
Client Project Description: **Acme Power Plant**
Date Samples Received: **June 06, 2017**
Method: **EPA 600/R-93/116 - Point Count, Bulk**
Turnaround: **3-5 Day**
Date Samples Analyzed: **June 23, 2017**

ND=None Detected
TR=Trace, <1% Visual Estimate
Trem/Act=Tremolite/Actinolite

Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
APP-P-FB01-094	EM 1873686	A	Black tar	3	**Chrysotile**	**TR**	0	100
		B	Tan fibrous material	7		**ND**	90	10
		C	Gray fibrous cementitious material w/ tan/silver paint	90	**Chrysotile**	**13**	0	87
APP-P-BI01-095	EM 1873687	A	Brown/tan fibrous plaster	100	**Chrysotile**	**7**	0	90
					Amosite	**3**		
APP-P-BI01-096	EM 1873688	A	Brown/tan fibrous plaster	100	**Chrysotile**	**7**	0	90
					Amosite	**3**		
APP-P-BI01-097	EM 1873689	A	Brown/tan fibrous plaster	100	**Chrysotile**	**8**	0	90
					Amosite	**2**		
APP-P-ID01-098	EM 1873690	A	Gray/white fibrous material	100	**Chrysotile**	**20**	0	45
					Amosite	**35**		
APP-P-ID02-099	EM 1873691	A	White fibrous plaster w/ brown debris	100	**Chrysotile**	**6**	0	80
					Amosite	**14**		

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 381216-2**
Client: **Weston Solutions, Inc. (CO)**
Client Project Number / P.O.: **20408.016.003.0411.00**
Client Project Description: **Acme Power Plant**
Date Samples Received: **June 06, 2017**
Method: **EPA 600/R-93/116 - Point Count, Bulk**
Turnaround: **3-5 Day**
Date Samples Analyzed: **June 23, 2017**

ND=None Detected
TR=Trace, <1% Visual Estimate
Trem/Act=Tremolite/Actinolite

Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
APP-P-ID03-100	EM 1873692	A	White fibrous plaster	100	**Chrysotile**	**20**	0	77
					Amosite	**3**		
APP-P-ID04-101	EM 1873693	A	White fibrous plaster	100	**Chrysotile**	**8**	0	82
					Amosite	**10**		
APP-P-ID05-102	EM 1873694	A	Pink fibrous plaster w/ green paint	100	**Chrysotile**	**5**	0	83
					Amosite	**12**		
APP-P-ID06-103	EM 1873695	A	White fibrous plaster	100	**Chrysotile**	**8**	0	82
					Amosite	**10**		
APP-P-WI01-104	EM 1873696	A	Black/multi-colored wire insulation	100		**ND**	30	70
APP-P-WI02-105	EM 1873697	A	Tan/brown wire insulation	100		**ND**	40	60
APP-P-WI03-106	EM 1873698	A	Black/multi-colored wire insulation	100	**Chrysotile**	**25**	20	55
APP-P-EP01-107	EM 1873699	A	Gray fibrous cementitious material	100	**Chrysotile**	**10**	0	90
APP-P-MG01-108	EM 1873700	A	Blue fibrous material	100	**Chrysotile**	**70**	0	30

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 381216-2**
Client: **Weston Solutions, Inc. (CO)**
Client Project Number / P.O.: **20408.016.003.0411.00**
Client Project Description: **Acme Power Plant**
Date Samples Received: **June 06, 2017**
Method: **EPA 600/R-93/116 - Point Count, Bulk**
Turnaround: **3-5 Day**
Date Samples Analyzed: **June 23, 2017**

ND=None Detected
TR=Trace, <1% Visual Estimate
Trem/Act=Tremolite/Actinolite

Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
APP-P-FT01-109	EM 1873701	A	Brown tile w/ colorless mastic	100		**ND**	3	97
APP-P-PL01-110	EM 1873702	A	Tan granular plaster w/ white/silver paint	100	**Chrysotile**	**TR**	0	100
					Point Count	**<0.25**		
APP-P-IB01-111	EM 1873703	A	White granular plaster	100		**ND**	0	100
APP-P-ID02-112	EM 1873704	A	Brown fibrous material	20	**Chrysotile**	**55**	5	35
					Amosite	**5**		
		B	White fibrous plaster	80	**Chrysotile**	**12**	0	80
					Amosite	**8**		

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

Chris Werre — Analyst
Liu Wenlong — Analyst
Brianne Neumann — Analyst / Data QA

RES 381216

Due Date: 6-9-17
Due Time: —

Page 1 of 5

REI LAB Reservoirs Environmental, Inc.

5801 Logan St. Denver, CO 80216 • Ph: 303 964-1986 • Fax 303-477-4275 • Toll Free 866 RESI-ENV

After Hours Cell Phone: 720-339-9228

INVOICE TO: (IF DIFFERENT)

Company:	Weston Solutions, Inc
Address:	1435 Garrison St Suite 100 Lakewood, CO 80215
Project Number and/or P.O. #:	20408.016.003.0411.00
Project Description/Location:	Acme Power Plant

Company:	Weston Solutions, Inc
Address:	

CONTACT INFORMATION:

Contact:	Greg Geras	Contact:	
Phone:	303-729-6142	Phone:	
Fax:		Fax:	
Cell/pager:	303-801-7470	Cell/pager:	

Final Data Deliverable Email Address: **Greg.Geras@WestonSolutions.com**

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm

PLM / PCM / TEM ___ RUSH (Same Day) ___ PRIORITY (Next Day) X STANDARD
(Rush PCM = 2hr, TEM = 6hr.)

CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm

Metal(s) / Dust ___ RUSH ___ 24 hr. ___3-5 Day
RCRA 8 / Metals & Welding Fume Scan / TCLP ___ RUSH ___ 5 day ___10 day
Organics ___ 24 hr. ___ 3 day ___5 Day
****Prior notification is required for RUSH turnarounds.****

MICROBIOLOGY LABORATORY HOURS: Weekdays: 9am - 6pm

E.coli O157:H7, Coliforms, S.aureus ___ 24 hr. ___2 Day ___3-5 Day
Salmonella, Listeria, E.coli, APC, Y & M ___ 48 Hr. ___3-5 Day
Mold ___ RUSH ___24 Hr ___48 Hr ___3 Day ___5 Day

Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.

Special Instructions: Log IDs as per COC

REQUESTED ANALYSIS

Client sample ID number (Sample ID's must be unique)	PLM - Short report, Long report, Point Count	TEM - AHERA, Level II, 7402, ISO, +/-, Quant, Semi-quant, Micro-vac, ISO-Indirect Preps	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) _____ RCRA 8, TCLP, Welding Fume, Metals Scan	ORGANICS - METH	MICROBIOLOGY: Salmonella: +/-	MICROBIOLOGY: E.coli O157:H7: +/-	MICROBIOLOGY: Listeria: +/-	MICROBIOLOGY: Aerobic Plate Count: +/- or Quantification	MICROBIOLOGY: E.coli: +/- or Quantification	MICROBIOLOGY: Coliforms: +/- or Quantification	MICROBIOLOGY: S.aureus: +/- or Quantification	MICROBIOLOGY: Y & M: +/- or Quantification	MICROBIOLOGY: Mold: +/-, Identification, Quantification	SAMPLER'S INITIALS OR OTHER NOTES	Sample Volume (L) / Area	Matrix Code	# Containers	Date Collected mm/dd/yy	Time Collected hh/mm a/p	EM Number (Laboratory Use Only)
1 APP-B-PL01-001	X																	B	1	5/31/2017		1873593
2 APP-B-PL02-002	X																	B	1	5/31/2017		94
3 APP-B-IN01-003	X																	B	1	5/31/2017		95
4 APP-B-PI01-004	X																	B	1	5/31/2017		96
5 APP-B-PI02-005	X																	B	1	5/31/2017		97
6 APP-B-FB01-006	X																	B	1	5/31/2017		98
7 APP-B-MG01-007	X																	B	1	5/31/2017		99
8 APP-B-HI01-008	X																	B	1	5/31/2017		100
9 APP-M-RM01-009	X																	B	1	5/31/2017		01
10 APP-M-RM02-010	X																	B	1	5/31/2017		02

VALID MATRIX CODES

Air = A	Bulk = B
Dust = D	Paint = P
Soil = S	Wipe = W
Swab = SW	F = Food
Drinking Water = DW	Waste Water = WW
O = Other	

ASTM E1792 approved wipe media only

LAB NOTES:

Number of samples received: _____ (Additional samples shall be listed on attached long form.)

NOTE: REI will analyze incoming samples based upon information received and will not be responsible for errors or omissions in calculations resulting from the inaccuracy of original data. By signing client/company representative agrees that submission of the following samples for requested analysis as indicated on this Chain of Custody shall constitute an analytical services agreement with payment terms of NET 30 days, failure to comply with payment terms may result in a 1.5% monthly interest surcharge.

Relinquished By: _____ Date/Time: 6/6/17 8:40

Sample Condition: On Ice Yes / No Sealed Yes / No Intact Yes / No

Temp. (F°) _____

Laboratory Use Only

Received By: _____ Date/Time: 1170 850 Carrier: Fed

Results: Contact Phone Email Fax Date Time Initials

Contact Phone Email Fax Date Time Initials

Contact Phone Email Fax Date Time Initials

Contact Phone Email Fax Date Time Initials

Reservoirs Environmental, Inc.
REI LAB
5801 Logan St. Denver, CO 80216 • Ph: 303 964-1988 • Fax 303-477-4275 • Toll Free 866 RESI-ENV

RES Job # 381216 Page 2 of 5

Submitted by: Weston

Client sample ID number (Sample ID's must be unique)		REQUESTED ANALYSIS: PLM - Short report, Long report, Point Count	TEM - AHERA, Level II, 7402, ISO, +/-, Quant, Semi-quant, Micro-vac, ISO-Indirect Preps	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) RCRA 8, TCLP, Welding Fume, Metals Scan	ORGANICS - METH	MICROBIOLOGY: Salmonella: +/-	E.coli O157:H7: +/-	Listeria: +/-	Aerobic Plate Count: +/- or Quantification	E.coli: +/- or Quantification	Coliforms: +/- or Quantification	S.aureus: +/- or Quantification	Y & M: +/- or Quantification	Mold: +/- or Quantification	OTHER -	Sample Volume (L) / Area	Matrix Code	# Containers	Date Collected mm/dd/yy	Time Collected hh/mm a/p	EM Number (Laboratory Use Only)
11	APP-M-RM03-011	X																	B	1	5/31/2017	1873603
12	APP-M-BP01-012	X																	B	1	5/31/2017	04
13	APP-M-PK01-013	X																	B	1	5/31/2017	05
14	APP-M-PK02-014	X																	B	1	5/31/2017	06
15	APP-M-PK03-015	X																	B	1	5/31/2017	07
16	APP-M-PK04-016	X																	B	1	5/31/2017	08
17	APP-M-PK05-017	X																	B	1	5/31/2017	09
18	APP-M-PK06-018	X																	B	1	5/31/2017	10
19	APP-M-PK07-019	X																	B	1	5/31/2017	11
20	APP-M-PK08-020	X																	B	1	5/31/2017	12
21	APP-M-PK09-021	X																	B	1	5/31/2017	13
22	APP-M-CV01-022	X																	B	1	5/31/2017	14
23	APP-M-FL01-023	X																	B	1	5/31/2017	15
24	APP-M-WC01-024	X																	B	1	5/31/2017	16
25	APP-T-DW01-025	X																	B	1	5/31/2017	17
26	APP-T-DW01-026	X																	B	1	5/31/2017	18
27	APP-T-DW01-027	X																	B	1	5/31/2017	19
28	APP-T-FT01-028	X																	B	1	5/31/2017	20
29	APP-T-RM01-029	X																	B	1	5/31/2017	21
30	APP-H-LN01-030	X																	B	1	5/31/2017	22
31	APP-P-WC01-031	X																	B	1	6/2/2017	23
32	APP-P-DW01-032	X																	B	1	6/2/2017	24
33	APP-P-DW01-033	X																	B	1	6/2/2017	25
34	APP-P-DW01-034	X																	B	1	6/2/2017	26
35	APP-P-DW02-035	X																	B	1	6/2/2017	27
36	APP-P-DW02-036	X																	B	1	6/2/2017	28
37	APP-P-DW02-037	X																	B	1	6/2/2017	29
38	APP-P-JC01-038	X																	B	1	6/2/2017	30
39	APP-P-JC01-039	X																	B	1	6/2/2017	31
40	APP-P-PL01-040	X																	B	1	6/2/2017	32
41	APP-P-PL01-041	X																	B	1	6/2/2017	33

VALID MATRIX CODES

Air = A	Bulk = B
Dust = D	Paint = P
Soil = S	Wipe = W
Swab = SW	F = Food
Drinking Water = DW	Waste Water = WW
O = Other	

ASTM E1792 approved wipe media only

LAB NOTES:

REI LAB **Reservoirs Environmental, Inc.**
5801 Logan St. Denver, CO 80216 • Ph: 303 964-1986 • Fax 303-477-4275 • Toll Free 866 RESI-ENV

RES Job # 38126 Page 3 of 5

Submitted by: Weston

Client sample ID number (Sample ID's must be unique)		REQUESTED ANALYSIS: PLM - Short report, Long report, Point Count	TEM - AHERA, Level II, 7402, ISO, +/-, Quant, Semi-quant, Micro-vac, ISO-Indirect Preps	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) RCRA 8, TCLP, Welding Fume, Metals Scan	ORGANICS - METH	MICROBIOLOGY: Salmonella: +/-	E.coli O157:H7: +/-	Listeria: +/-	Aerobic Plate Count: +/- or Quantification	E.coli: +/- or Quantification	Coliforms: +/- or Quantification	S.aureus: +/- or Quantification	Y & M: +/- or Quantification	Mold: +/- or Quantification	OTHER -	Sample Volume (L) / Area	Matrix Code	# Containers	Date Collected mm/dd/yy	Time Collected hh/mm a/p	EM Number (Laboratory Use Only)
42	APP-P-PL01-042	X																	B	1	6/2/2017		1873034
43	APP-P-PL01-043	X																	B	1	6/2/2017		35
44	APP-P-PL01-044	X																	B	1	6/2/2017		36
45	APP-P-PL02-045	X																	B	1	6/2/2017		37
46	APP-P-PL02-046	X																	B	1	6/2/2017		38
47	APP-P-PL02-047	X																	B	1	6/2/2017		39
48	APP-P-PJ01-048	X																	B	1	6/2/2017		40
49	APP-P-PI01-049	X																	B	1	6/2/2017		41
50	APP-P-PI01-050	X																	B	1	6/2/2017		42
51	APP-P-PI01-051	X																	B	1	6/2/2017		43
52	APP-P-BJ01-052	X																	B	1	6/2/2017		44
53	APP-P-BJ01-053	X																	B	1	6/2/2017		45
54	APP-P-BJ01-054	X																	B	1	6/2/2017		46
55	APP-P-PJ02-055	X																	B	1	6/2/2017		47
56	APP-P-PI02-056	X																	B	1	6/2/2017		48
57	APP-P-PI02-057	X																	B	1	6/2/2017		49
58	APP-P-PI02-058	X																	B	1	6/2/2017		50
59	APP-P-EJ01-059	X																	B	1	6/2/2017		51
60	APP-P-EJ01-060	X																	B	1	6/2/2017		52
61	APP-P-EJ01-061	X																	B	1	6/2/2017		53
62	APP-P-EJ02-062	X																	B	1	6/2/2017		54
63	APP-P-EJ02-063	X																	B	1	6/2/2017		55
64	APP-P-EJ02-064	X																	B	1	6/2/2017		56
65	APP-P-IB01-065 (labeled APP-P01-IB01-95)	X																	B	1	6/2/2017		57
66	APP-P-IB01-066	X																	B	1	6/2/2017		58
67	APP-P-IB01-067	X																	B	1	6/2/2017		59
68	APP-P-DI01-068	X																	B	1	6/2/2017		60
69	APP-P-FB01-069	X																	B	1	6/2/2017		61
70	APP-P-FI01-070	X																	B	1	6/2/2017		62
71	APP-P-FI01-071	X																	B	1	6/2/2017		63
72	APP-P-FI01-072	X																	B	1	6/2/2017		64

VALID MATRIX CODES: Air = A; Bulk = B; Dust = D; Paint = P; Soil = S; Wipe = W; Swab = SW; F = Food; Drinking Water = DW; Waste Water = WW; O = Other; **ASTM E1792 approved wipe media only**

LAB NOTES:

REI LAB **Reservoirs Environmental, Inc.**
5801 Logan St. Denver, CO 80216 • Ph: 303 964-1966 • Fax 303-477-4275 • Toll Free 866 RESI-ENV

RES Job # 381216 Page 4 of 5

Submitted by: Weston

Client sample ID number (Sample ID's must be unique)	REQUESTED ANALYSIS: PLM - Short report, Long report, Point Count	TEM - AHERA, Level II, 7402, ISO, +/-, Quant, Semi-quant, Micro-vac, ISO-Indirect Preps	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) RCRA 8, TCLP, Welding Fume, Metals Scan	ORGANICS - METH	MICROBIOLOGY: Salmonella: +/-	E.coli O157:H7: +/-	Listeria: +/-	Aerobic Plate Count: +/- or Quantification	E.coli: +/- or Quantification	Coliforms: +/- or Quantification	S.aureus: +/- or Quantification	Y & M: +/- or Quantification	Mold: +/- or Quantification	OTHER -	Sample Volume (L) / Area	Matrix Code	# Containers	Date Collected mm/dd/yy	Time Collected hh/mm a/p	EM Number (Laboratory Use Only)
73 APP-P-RM01-073	X																	B	1	6/2/2017		1873665
74 APP-P-PJ03-074	X																	B	1	6/2/2017		66
75 APP-P-PI03-075	X																	B	1	6/2/2017		67
76 APP-P-PI03-076	X																	B	1	6/2/2017		68
77 APP-P-PI03-077	X																	B	1	6/2/2017		69
78 APP-P-EJ03-078	X																	B	1	6/2/2017		70
79 APP-P-EJ03-079	X																	B	1	6/2/2017		71
80 APP-P-EJ03-080	X																	B	1	6/2/2017		72
81 APP-P-PJ04-081	X																	B	1	6/2/2017		73
82 APP-P-PI04-082	X																	B	1	6/2/2017		74
83 APP-P-PI04-083	X																	B	1	6/2/2017		75
84 APP-P-PI04-084	X																	B	1	6/2/2017		76
85 APP-P-BC01-085	X																	B	1	6/2/2017		77
86 APP-P-BP01-086	X																	B	1	6/2/2017		78
87 APP-P-PJ05-087	X																	B	1	6/2/2017		79
88 APP-P-PI05-088	X																	B	1	6/2/2017		80
89 APP-P-PI05-089	X																	B	1	6/2/2017		81
90 APP-P-PI05-090	X																	B	1	6/2/2017		82
91 APP-P-BJ02-091	X																	B	1	6/2/2017		83
92 APP-P-BJ02-092	X																	B	1	6/2/2017		84
93 APP-P-BJ02-093	X																	B	1	6/2/2017		85
94 APP-P-FB01-094	X																	B	1	6/2/2017		86
95 APP-P-BI01-095	X																	B	1	6/2/2017		87
96 APP-P-BI01-096	X																	B	1	6/2/2017		88
97 APP-P-BI01-097	X																	B	1	6/2/2017		89
98 APP-P-ID01-098	X																	B	1	6/2/2017		90
99 APP-P-ID02-099	X																	B	1	6/2/2017		91
100 APP-P-ID03-100	X																	B	1	6/2/2017		92
101 APP-P-ID04-101	X																	B	1	6/2/2017		93
102 APP-P-ID05-102	X																	B	1	6/2/2017		94
103 APP-P-ID06-103	X																	B	1	6/2/2017		95

VALID MATRIX CODES: Air = A; Bulk = B; Dust = D; Paint = P; Soil = S; Wipe = W; Swab = SW; F = Food; Drinking Water = DW; Waste Water = WW; O = Other; **ASTM E1792 approved wipe media only**

LAB NOTES:

REI LAB **Reservoirs Environmental, Inc.**
5801 Logan St Denver, CO 80216 • Ph: 303 964-1986 • Fax 303-477-4275 • Toll Free 866 RESI-ENV

RES Job # 391214

Submitted by: Weston

Client sample ID number (Sample ID's must be unique)		REQUESTED ANALYSIS																			VALID MATRIX CODES					LAB NOTES:
		PLM - Short report, Long report, Point Count	TEM - AHERA, Level II, 7402, ISO, +/-, Quant, Semi-quant, Micro-vac, ISO-Indirect Preps	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) RCRA 8, TCLP, Welding Fume, Metals Scan	ORGANICS - METH	MICROBIOLOGY: Salmonella: +/-	MICROBIOLOGY: E.coli O157:H7: +/-	MICROBIOLOGY: Listeria: +/-	MICROBIOLOGY: Aerobic Plate Count: +/- or Quantification	MICROBIOLOGY: E.coli: +/- or Quantification	MICROBIOLOGY: Coliforms: +/- or Quantification	MICROBIOLOGY: S.aureus: +/- or Quantification	MICROBIOLOGY: Y & M: +/- or Quantification	MICROBIOLOGY: Mold: +/- or Quantification	OTHER -	Sample Volume (L) / Area	Matrix Code	# Containers	Date Collected mm/dd/yy	Time Collected hh/mm a/p	EM Number (Laboratory Use Only)
104	APP-P-WI01-104	X																	B	1	6/2/2017		1873696
105	APP-P-WI02-105	X																	B	1	6/2/2017		97
106	APP-P-WI03-106	X																	B	1	6/2/2017		98
107	APP-P-EP01-107	X																	B	1	6/2/2017		99
108	APP-P-MG01-108	X																	B	1	6/2/2017		700
109	APP-P-FT01-109	X																	B	1	6/2/2017		01
110	APP-P-PL01-110	X																	B	1	6/2/2017		02
111	APP-P-IB01-111	X																	B	1	6/2/2017		03
112	APP-P-ID02-112	X																	B	1	6/2/2017		04
113																							
114																							
115																							
116																							
117																							
118																							
119																							
120																							
121																							
122																							
123																							
124																							
125																							
126																							
127																							
128																							
129																							
130																							
131																							
132																							
133																							
134																							

APPENDIX C
SUPPLEMENTARY INFORMATION

Project: ACME Power Plant

Date: 5/31/17

TDD:

Inspector: JR

Sample ID	Material	Location	Estimated Extent	Notes
APP-BPL01-01	Plaster	Rear of Barn side A	1-20 LB Bag	Barn
APP-BOPL02-02	Plaster	" " " "	2 x 2 LB Bag	Barn
APP-B01-IN03	insulation	" " " " "	1 Box	Barn
APP-B01-PI01-04	Pipe insulation	side of Barn side B	long 3' each	Barn
APP-B01-PIR2-05	" "	Center walk cat walks	1 Pack	Barn
APP-B01-FB01-06	fiber Board	Cat walk near Front	4 x 6'	Barn
APP-B01-MG01-07	Manhole Gasket	near shelves SIDA	14 rolls 10"	Barn
APP-B01-HI01-08	Hose insulation	middle of side A	~ 30'	Barn
APP-M01-RM01-09	Roof material	Corner of Roof	Perimeter	Maintenance BLD
APP-M01-RM02-10	Roof material	Roof	Roof	felt
APP-M01-RM03-11	Roof material	attic	Roll	felt
APP-M01-BP01-12	Brake Pad	storage	3	
" " -PK01-13	Packing/Gasket		roll	silver/snake like
" " PK02-14			3	white gasket like
PK03-15			roll	rope gasket
PK04-16			roll	white with paper
PK05-17			roll	white, flat
PK06-18			2 rolls	Garlock spiral, silver
PK07-19			roll	square coil,
PK08-20			roll	thick snake rope
PK09-21			roll x2	square white
" " CV01-22	Covering	storage	5 LF	for pipe?
" " FT01-23	Felt	storage	roll	metal lath with felt
" " WC01-24	Window caulk	window	~~roll~~ 12.5" x 10"	
APP-T01-DW01-25	Drywall	Kitchen walls		flat texture
" " " -26				
" " " -27				
" " FT01-28	Floor tile	Laundry		wood grain
" " -RM01-29	Roofing	roof	main trailer	felt and shingle
APP-B01-LN01-30	Linoleum	Little house		

Project: APP

TDD:

Date: 6/2/17

Inspector: JR/MC

Sample ID	Material	Location	Estimated Extent	Notes
APP-P01-WC02-031	Window Caulk	Office window	3 windows	.5" x 18"
-DW01-032	Bath Drywall	Bath next To office		
033	↓	↓		
↓ 034	↓	↓		
-DW02-035	~~Generator walls~~	Generator walls		
↓ -036	↓	↓		
↓ -037	↓	↓		
JC01-038	Joint Compound	↓	2 walls	
↓ -039	↓	↓	↓	
PL01-040	Plaster	~~ceiling~~	Electric Room	
-041	↓	ceiling	↓	
042	↓	↓	↓	
043	↓	↓	↓	
↓ 044	↓	↓	↓	
-PL02-045	↓	↓	Entrance Room	inter ceiling Joints
046	↓	↓	↓	" " " "
↓ 047	↓	↓	↓	" " " "
-PJ01-048	Pipe joint	Main boiler		elbow
-PI01-049	Pipe insulation	"		Linear
-050	"	"		↓
-051	"	"		Hopper
-BJ01-052	Boiler Jacket	"		
-053	"	"		
-054	"	"		
-PJ02-055	~~Evaporator~~ Pipe joint	"		valve evap
-PI02-056	Pipe	"		straight evap
-057		"		
-058		"		
-EJ01-059	Evaporator	"		evap
-060		"		
-061		"		

Super

evap by Super

Project: Acme Power Plant

Date: 6/1/17

TDD:

Inspector: JR/MC

Sample ID	Material	Location	Estimated Extent	Notes
APP-P01-EX02-062	Evap insulation	2nd catwalk		
-063	↓	↓		
-064	↓	↓		
-IB01-065	Boiler insulation	↓		Inside
-066	↓	↓		↓
-067	↓	↓		↓
-DT01-068	Boiler door	↓		rope
-FB01-069	Fire brick?	↓		pipe brick
-FI01-070	Fan insulation	5th catwalk		Blower
-071	↓	↓		↓
-072	↓	↓		↓
-RN01-073	Roofing	Roof		silver painted
-PJ03-074	Pipe joint	Main level		
-PI03-075	Pipe insulation	Main level		straight
-076	↓	↓		↓
-077	↓	↓		↓
-EJ03-078	Evap	Main level		Evaporator
-079	↓	↓		↓
-080	↓	↓		↓
-PJ04-081	Pipe joints	Basement pipes		
-PI04-082	Pipe insulation	↓		↓
-083	↓	↓		↓
-084	↓	↓		↓
-BR01-085	Brick caulk	ovens		Metal-Brick
-BP01-086	Brick plaster	atop ovens		
-PJ05-087	Pipe joint			
-PI05-088	Pipe insulation			
-089				
-090				
-BJ02-091	Boiler jacket			2nd
-092				
-093				

Super

turbine

main level

evap

basement

2nd heater

Project:

Date:

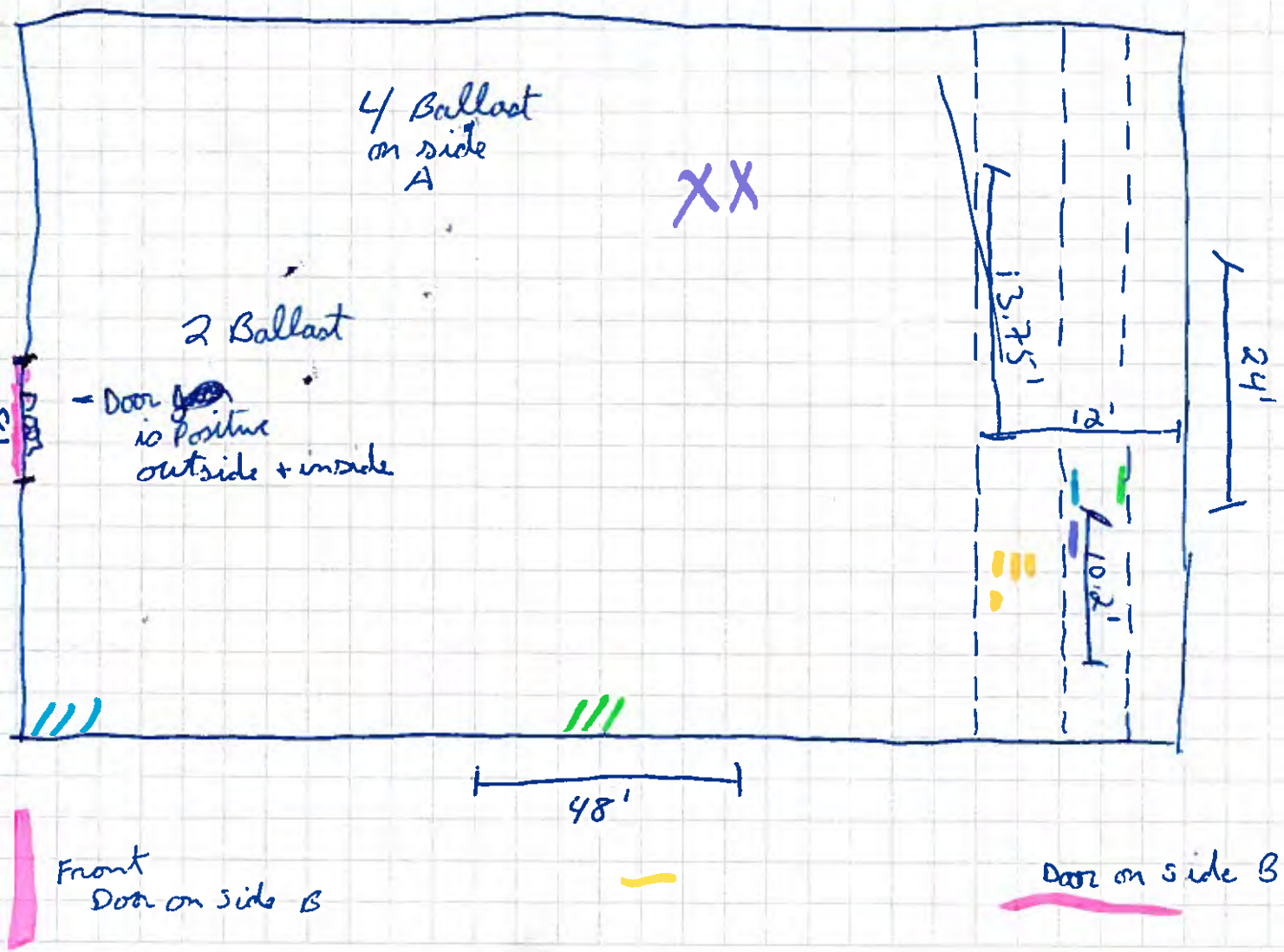
TOD:

Inspector:

Sample ID	Material	Location	Estimated Extent	Notes
APP-P01-FB01-094	Fiber board	wall between Soper		dual sided
BI01-095	Boiler Insulation	Heater		coating over
-096	↓	↓		↓
-097				
-ID01-098	Debris	Hall by super		
-ID02-099		By evaporater		
-ID03-100		By Heater		
-ID04-101		Catwalk		
-ID05-102		catwalk by super		
-ID06-103		↓		
-WI01-104	wire insulation			
-WI02-105	↓			
-WI03-106				
-EP01-107	electrical panel			
[illegible]	[illegible]			
-P01-HC01-108				Dup 07
-P01-FI01-109				Dup 28
-P01-PL01-110				Dup 40
-P01-IB01-111				Dup 65
-P01-ID02-112				Dup 99

Mold - yes
PCB - yes (6)
Hg - No

Cat walk is 10' up



CLIENT/SUBJECT App - Barn - Section A

TASK DESCRIPTION

PREPARED BY _____ DEPT _____ DATE 5/31/17

MATH CHECK BY _____ DEPT _____ DATE _____

METHOD REV. BY _____ DEPT _____ DATE _____

TASK NO. _____ W.O. NO. _____ SHEET ____ of ____

APPROVED BY

DEPT _____ DATE _____

WESTON SOLUTIONS

04P-0685

an employee-owned company

SHEET ____ of ____

CLIENT/SUBJECT Power Plant - Main W.O. NO. ____

TASK DESCRIPTION ____ TASK NO. ____

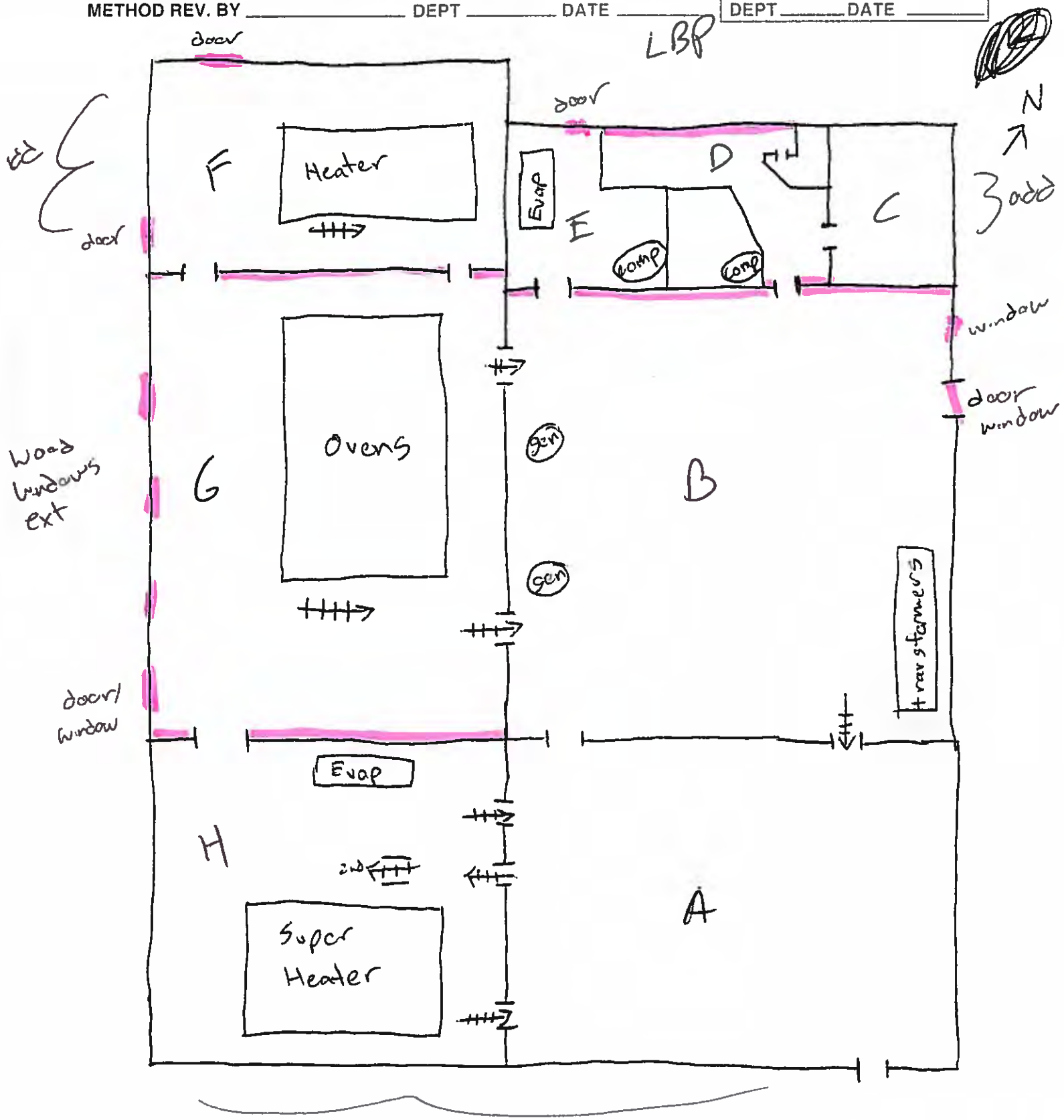
PREPARED BY ____ DEPT ____ DATE ____

MATH CHECK BY ____ DEPT ____ DATE ____

METHOD REV. BY ____ DEPT ____ DATE ____

APPROVED BY

DEPT ____ DATE ____



new section

WESTON SOLUTIONS

SHEET ____ of ____

CLIENT/SUBJECT Catwalks LBP W.O. NO. ____

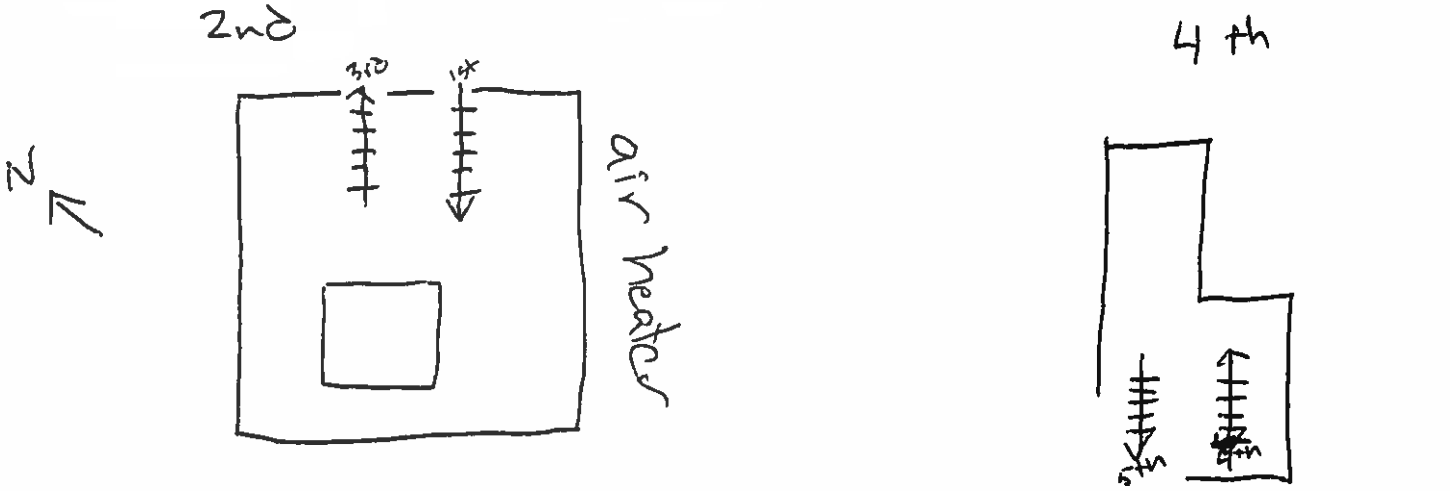
TASK DESCRIPTION ____ TASK NO. ____

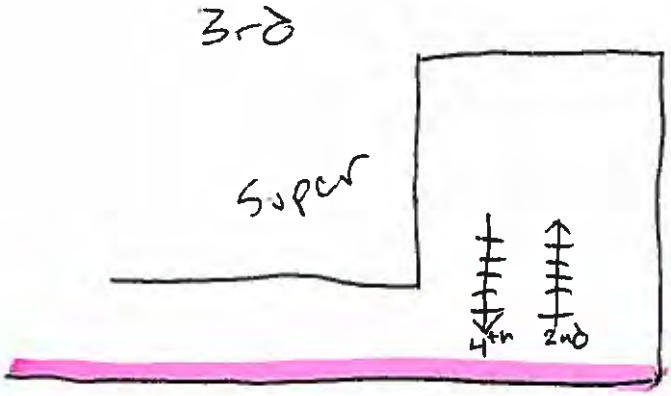
PREPARED BY ____ DEPT ____ DATE ____

MATH CHECK BY ____ DEPT ____ DATE ____

METHOD REV. BY ____ DEPT ____ DATE ____

APPROVED BY
____
DEPT ____ DATE ____





WESTON SOLUTIONS

SHEET ____ of ____

CLIENT/SUBJECT Power Plant - Main W.O. NO. ____

TASK DESCRIPTION ____ TASK NO. ____

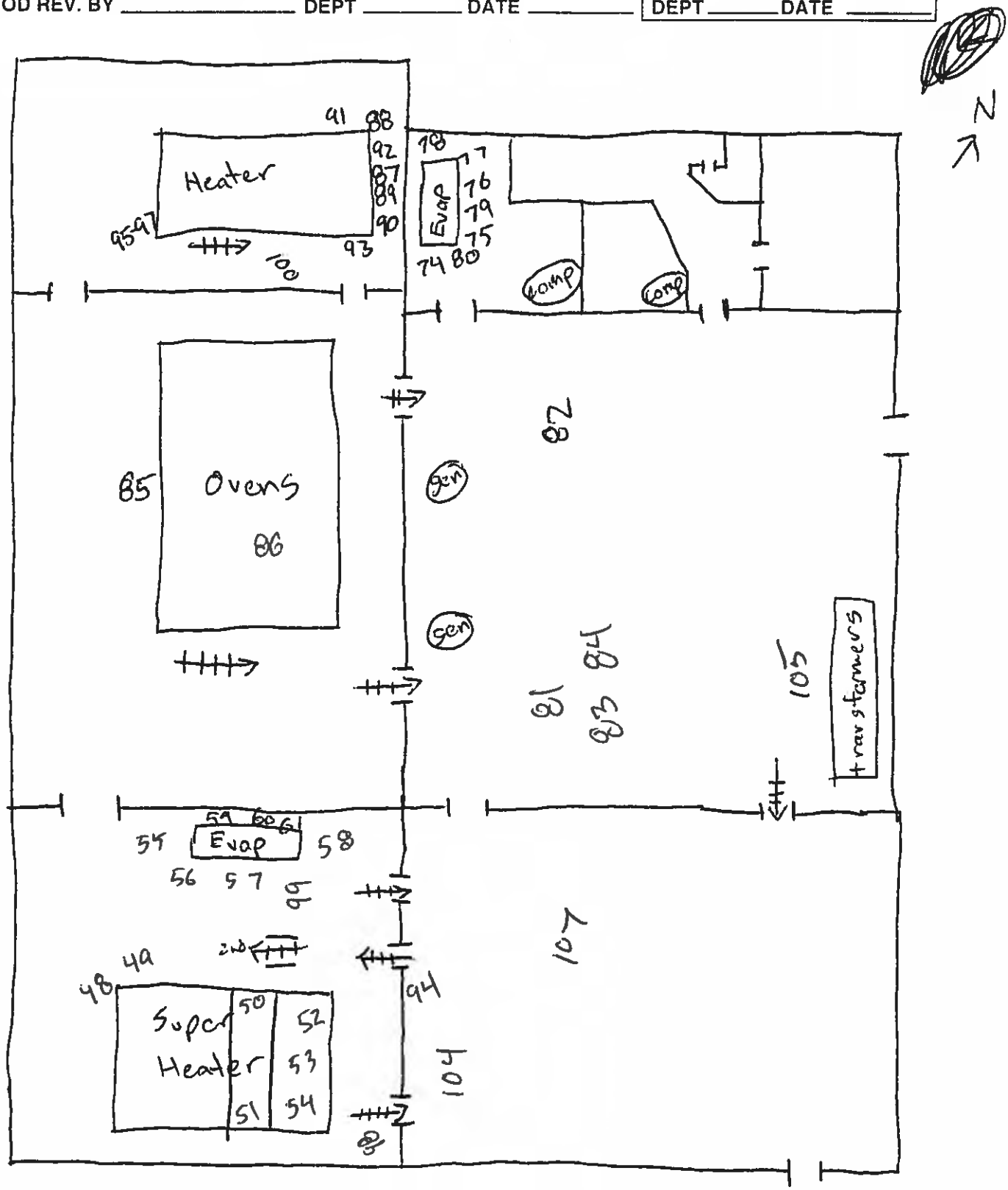
PREPARED BY ____ DEPT ____ DATE ____

MATH CHECK BY ____ DEPT ____ DATE ____

METHOD REV. BY ____ DEPT ____ DATE ____

APPROVED BY

DEPT ____ DATE ____



SHEET ____ of ____

CLIENT/SUBJECT Catwalks W.O. NO. ____

TASK DESCRIPTION ____ TASK NO. ____

PREPARED BY ____ DEPT ____ DATE ____

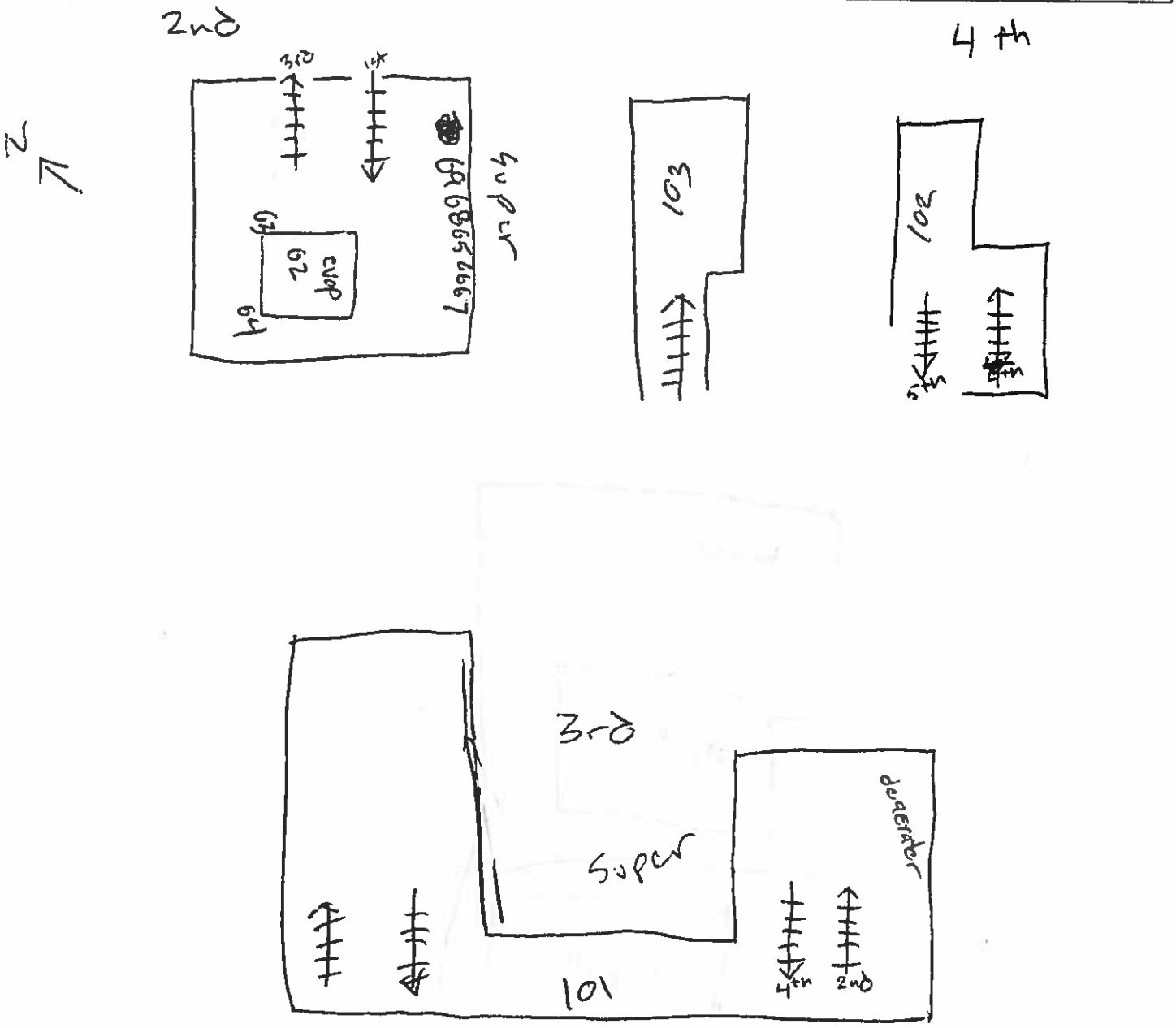
MATH CHECK BY ____ DEPT ____ DATE ____

METHOD REV. BY ____ DEPT ____ DATE ____

APPROVED BY

____

DEPT ____ DATE ____



SHEET ____ of ____

CLIENT/SUBJECT Power Plant 5th Level W.O. NO. ____

TASK DESCRIPTION ____ TASK NO. ____

PREPARED BY ____ DEPT ____ DATE ____

MATH CHECK BY ____ DEPT ____ DATE ____

METHOD REV. BY ____ DEPT ____ DATE ____

APPROVED BY
____
DEPT ____ DATE ____

N