



January 26, 2026

Mr. George Schuman
Remediation Oversight Section
New Mexico Environment Department
Ground Water Quality Bureau
1190 St. Francis Drive
Santa Fe, New Mexico 87502

Re: Final Report for Asbestos-Containing Material and Lead-Based Paint Abatement
Tucumcari Truck Terminal Site, Tucumcari, New Mexico
NMED Department Code: ZJ5203 (FY 26 NCS)
NMED Subaccount Code: ZGWQB
Contract No. 24-667-2030-27722

Dear Mr. Schuman:

Daniel B. Stephens & Associates, Inc. (DBS&A) has prepared this letter report to detail oversight of asbestos-containing material (ACM) and lead-based paint (LBP) abatement at the Tucumcari Truck Terminal site located at 3700 W. Tucumcari Blvd in Tucumcari, New Mexico (the site). The abatement project was completed in accordance with the scope of services and cost proposal submitted to the New Mexico Environment Department (NMED) on August 19, 2025 (DBS&A, 2025). The technical specifications, sampling and analysis plan, and accident prevention plan were prepared by Acme Environmental, Inc. (Acme) in October 2025, and are provided in Attachment 1.

Background

The site encompasses approximately 28 acres. The site is currently not in use, but was formerly used as a retail petroleum facility with a convenience store and truck maintenance terminal. In 2024, Acme conducted an inspection for Environmental Science Services, Inc. that identified ACM and LBP in multiple buildings located on the property, including an auto shop, gas station, house, and travel center.

Scope of Abatement

Asbestos-Containing Material

The following ACM was identified for abatement:

- Travel Center
 - ◇ Heater duct flex joint: 100 square feet (SF)

- House
 - ◊ Interior plaster system: 3,000 SF
 - ◊ Interior bathroom plaster system: 200 SF
 - ◊ Window glazing: 50 SF
 - ◊ Thermal system insulation (TSI) elbow pipe wrap: 5 linear feet (LF)

Lead-Based Paint

The following LBP was identified for abatement:

- Travel Center
 - ◊ Orange glazed floor tile: 5,000 SF
 - ◊ Orange glazed tile: 1,000 SF
 - ◊ Glazed tile (all bathrooms): 1,500 SF
 - ◊ Single painted wall (room 2): 300 SF
 - ◊ Single painted wall (room 3): 300 SF
 - ◊ Painted walls (hallway): 2,000 SF
 - ◊ 6 red painted door jamb systems
- Gas Station
 - ◊ Exterior lower walls: 600 SF
 - ◊ 1 parking barrier
 - ◊ 16 bollards
- Auto Shop/Garage
 - ◊ 1 pit with metal trim: 200 SF
 - ◊ 12 bollards

Abatement Activities

Public notice was completed prior to the abatement activities, and followed NMED Neglected Contamination Sites requirements, including legal advertisement(s) and signage at the site (Attachment 2). The public notice and sign followed all NMED guidance and templates.

DBS&A's abatement contractor, GranCor Environmental, LLC (GranCor), completed the ACM and LBP abatement at the buildings. Before the start of work, GranCor submitted copies of all applicable permits, licenses, certificates, and notices that were required by federal, state, and local regulations. GranCor maintained all state and local licenses and permits required to carry out the work under the contract.

DBS&A contracted with Acme to act as the qualified industrial hygienist for the project, including conducting visual inspections and performing general oversight of asbestos abatement activities to ensure compliance with the approved technical specifications. GranCor's work practices during remediation activities were evaluated for compliance with Occupational Safety and Health Administration (OSHA) regulations (29 CFR 1926.1101) and the abatement specification.

Site inspections were conducted during the abatement activities in coordination with the construction schedule established by GranCor at the completion of control structure to ensure compliance with the specifications and applicable regulations. At the conclusion of each phase of ACM abatement, a visual inspection of the work area was conducted to ensure that the contractor had removed all readily observable ACM and adequately cleaned the control area.

Abatement containment was constructed using 4-mil plastic on walls and ceilings in accordance with the OSHA standard. Negative pressure was maintained by the containment throughout the work, and was documented using an electric monometer.

On January 6, 2026, Acme completed a clearance inspection and confirmed that no previously identified ACM remained on the property. All ACM was transported and disposed of at the Keer's Special Waste Facility in Mountainair, New Mexico. The waste manifest is included in the Acme project oversight report (Attachment 3).

On January 13, 2026, a final clearance of the LBP abatement was performed. All painted walls were removed from the gas station. All of the protective bollards and the parking barrier were removed from the site. From the travel center, removal was completed of all glazed floor tile, all orange and white glazed wall tile, the two painted walls, the painted hallway walls, and the six red painted door jambs (Attachment 3).

Lead-painted debris and abatement waste was characterized using the toxicity characteristic leaching procedure (TCLP) and was determined to be non-hazardous (Attachment 3). Painted materials were therefore disposed of as general construction debris in accordance with the NMED Solid Waste Bureau guidelines.

Reporting

At the conclusion of the project, Acme completed a project report for the site, which includes a signed statement from the qualified industrial hygienist (Acme) that ACM and LBP removal, residual cleanup, and disposal were performed according to all pertinent regulations and specifications. The project report, including the ACM waste manifest, is provided as Attachment 3.

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Closing

We appreciate the opportunity to serve NMED on this project. If you have any questions regarding the report, please call me at 505-822-9400, ext. 169.

Sincerely,

DANIEL B. STEPHENS & ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read "John R. Bunch", with a stylized flourish at the end.

John R. Bunch, P.G.
Senior Scientist

JRB/ko
Attachments

Reference

Daniel B. Stephens & Associates, Inc. (DBS&A). 2025. Letter from John R. Bunch to George Schuman, Remediation Oversight Section, New Mexico Environment Department Ground Water Quality Bureau, regarding Scope of services and cost estimate for asbestos and lead-based paint abatement, Tucumcari Truck Terminal Site, Tucumcari, New Mexico, NMED Department Code: ZJ5203 (FY 26 NCS), NMED Subaccount Code: ZGWQB, Contract No. 24-667-2030-27722. August 19, 2025.

Attachment 1

Specifications and Plans



TECHNICAL SPECIFICATIONS Asbestos and Lead Abatement



FORMER TUCUMCARI TRUCK TERMINAL 3700 W. TUCUMCARI BLVD. TUCUMCARI, NEW MEXICO

PREPARED FOR

**Daniel B Stephens & Associates
(a Geo-logic Company)
Albuquerque, New Mexico**

PREPARED BY:

**ACME ENVIRONMENTAL, INC.
3816 CARLISLE NE ALBUQUERQUE, NM 87107
(505) 433-4461**

ACME PROJECT NUMBER 25-188

Former Tucumcari Truck Terminal

SECTION 01000 SUMMARY OF WORK

PART 1 – GENERAL

The intent of the project is to remove all identified asbestos containing materials and lead-based paint prior to renovation of the facility. Previously developed Phase II Survey is included at the end of this document.

The following asbestos and lead painted materials are to be removed.

Asbestos

Travel Center

Materials Description	Location	% Asbestos	Material Condition	Estimated Quantity
Heater Duct Flex Joint	Mechanical Room	50% Chrysotile	Fair	Approx. 100 Sq. Ft.
Total ACM for Scope of Work	Approx. 100 Sq. Ft. of Heater Duct Flex Joint.			

Visuals



Heater Duct Flex Joint

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Gas Station/ Pump House

Materials Description	Location	% Asbestos	Material Condition	Estimated Quantity
Drywall System w/ Texture (Bathroom Ceilings)	Both Bathrooms	2% Chrysotile	Poor	Approx. 150 Sq. Ft.
Roofing Tar	Fallen Pump House	2% Chrysotile	Poor	Approx. 100 Sq. Ft.
Total ACM for Scope of Work	Approx. 100 Sq. Ft. of Heater Duct Flex Joint.			

Visuals

	
Drywall System w/ Texture (Bathroom Ceilings)	Roofing Tar

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House

Materials Description	Location	% Asbestos	Material Condition	Estimated Quantity
Interior Plater System	Throughout	2% Chrysotile	Poor	Approx. 3,000 Sq. Ft.
Interior Plaster System	Bathroom	2% Chrysotile	Poor	Approx. 200 Sq. Ft.
Window Glazing	All Exterior Windows	2% Chrysotile	Poor	Approx. 50 Sq. Ft.
TSI (Thermal System Insulation)	Basement Boiler	20% Chrysotile	Poor	Approx. 5 Ln. Ft.
Total ACM for Scope of Work	Approx. 3,000 Sq. Ft. of Interior Plaster System (Throughout). Approx. 200 Sq. Ft. of Interior Plaster System (Bathroom). Approx. 50 Sq. Ft. of Window Glazing. Approx. 5 Ln. Ft. of TSI.			

Visuals

	
Interior Plater System	Bathroom Interior Plaster System
	
Window Glazing	TSI

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Lead

Gas Station

Component	Substrate	Paint Color	Location	Paint Condition	Lead Level (mg/cm ²)	Estimated Quantity
All Exterior Lead-Based Painted Lower Walls	Concrete	Yellow	Exterior Walls	Poor	3.1 mg/cm ²	Approx. 600 Sq. Ft.
Single Lead-Based Painted Parking Barrier	Concrete	Blue	Exterior	Poor	3.2 mg/cm ²	1 Parking Barrier
Total LBP for Building	All Exterior Lead Based Painted Lower Walls – Approx. 600 Sq. Ft. Single Lead-Based Painted Parking Barrier – 1 Parking Barrier					

Visuals

	
All Exterior Lead-Based Painted Lower Walls	Single Lead-Based Painted Parking Barrier

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Travel Center

Component	Substrate	Paint Color	Location	Paint Condition	Lead Level (mg/cm ²)	Estimated Quantity
All Lead-Based Glazed Floor Tile	Ceramic	Orange	Interior Floors	Poor	9.8 mg/cm ²	Approx. 5,000 Sq. Ft.
All Lead-Based Glazed Tile	Ceramic	Orange	Interior Walls	Poor	30.0 mg/cm ²	Approx. 1,000 Sq. Ft.
All Lead-Based Glazed Tile	Ceramic	White	Interior Walls	Fair	15.0 mg/cm ²	Approx. 1,500 Sq. Ft.
Single Lead-Based Painted Wall	Drywall	White	Interior Wall	Poor	1.2 mg/cm ²	Approx. 300 Sq. Ft.
Single Lead-Based Painted Wall	Drywall	White	Interior Wall	Poor	1.4 mg/cm ²	Approx. 300 Sq. Ft.
Lead-Based Painted Hallway Walls	Drywall	Multiple	Interior Walls	Poor	1.3 mg/cm ²	Approx. 2,000 Sq. Ft.
All Lead-Based Painted Door Jambs	Metal	Red	Interior	Poor	1.5 mg/cm ²	6 Door Jamb Systems
Total LBP for Building	All Orange Lead Glazed Floor Tile – Approx. 5,000 Sq. Ft. All Orange Lead Glazed Tile – Approx. 1,000 Sq. Ft. All Lead Glazed Tile (All Bathrooms) – Approx. 1,500 Sq. Ft. Single Lead-Based Painted Wall (Room 2) – Approx. 300 Sq. Ft. Single Lead-Based Painted Wall (Room 3) – Approx. 300 Sq. Ft. Lead-Based Painted Hallway Walls – Approx. 2,000 Sq. Ft. All Red Lead-Based Painted Door Jambs – 6 Door Jamb Systems					

Visuals

	
All Lead-Based Glazed Floor Tile	All Lead-Based Glazed Tile

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Travel Center Visuals, Cont.

	
All Lead-Based Glazed Tile	Single Lead-Based Painted Wall

	
Single Lead-Based Painted Wall	Single Lead-Based Painted Wall


All Lead-Based Painted Door Jambs

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Gas Station/ Pump House

Component	Substrate	Paint Color	Location	Paint Condition	Lead Level (mg/cm ²)	Estimated Quantity
All Exterior Lead Based Painted Bollards	Metal	Yellow	Exterior	Poor	1.5 mg/cm ²	16 Bollards
Total LBP for Building	All Exterior Lead Based Painted Bollards – 16 Bollards					

Visuals



All Exterior Lead-Based Painted Lower Walls

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Shop/ Garage

Component	Substrate	Paint Color	Location	Paint Condition	Lead Level (mg/cm ²)	Estimated Quantity
Single Lead-Based Yellow Painted Bay Pit Metal Trim	Metal	Yellow	Garage	Poor	1.1 mg/cm ²	Approx. 200 Sq. Ft.
All Exterior Lead Based Painted Bollards	Metal	Yellow	Exterior	Poor	3.4 mg/cm ²	12 Bollards
Total LBP for Building	Single Lead-Based Yellow Painted Bay Pit Metal Trim – Approx. 200 Sq. Ft. All Exterior Lead Based Painted Bollards – 12 Bollards					

Visuals

	
Single Lead-Based Yellow Painted Bay Pit Metal Trim	All Exterior Lead Based Painted Bollards

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General Notes:

Power and water are **NOT** present at the job site. The contractor will be responsible for providing all necessary water for dust control. Any power needed must be supplied by the contractor.

All asbestos waste generated from this project will be properly transported to an EPA approved landfill.

During these abatement activities No Access will be allowed into the Regulated Areas defined by the Asbestos Abatement Supervisor until final visual clearances are achieved by the Owner's Representative.

The abatement space is a vacant building. All precautions must be made to ensure that contamination is not spread outside the containment structure. The space is being prepared for renovation.

- 1.1 The intent of the removal of these materials is to provide a clean area, free from asbestos debris, determined by visual clearances.
- 1.2 Additionally, the space will be determined clear after visual clearance is performed by the Contracted Industrial Hygienist /Owner's Representative.
- 1.3 Utilizing approved engineering controls, the Abatement Personnel will maintain the regulated work areas until clearance levels are achieved.
- 1.4 Except as otherwise expressly provided herein, Abatement Contractor shall supply all labor, supervision, materials, equipment, tools, storage and any and all items necessary for the supply, fabrication, erection, construction, disposal (including handling, transportation, loading, unloading and receiving) of the abatement of asbestos-containing materials designated as the Work. The Abatement Contractor shall require that all phases of the Work be executed by skilled and certified craftsmen trained and experienced in their respective trades.
- 1.5 The Abatement Contractor may not subcontract any phase or portion of the Work.

PART 2 - WORK INCLUDED IN THE SPECIFICATIONS

- 2.1 ACMs will be removed utilizing appropriate controls and wet methods as required under OSHA and EPA. Removal methods ultimately selected by Abatement Supervisor shall be submitted and approved by Owners' Representative before being initiated. Where appropriate, submit written or diagrammatic representations of removal technique selected in accordance with the Submittal Section.

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- 2.2 Additional materials may need to be removed by this contract to assist other contractors as directed by the Contracted Industrial Hygienist /Owner's Representative.
- 2.3 Clearance criteria with respect to regulated areas shall be based on visual inspections and air sampling, as necessary, determined by the Contracted Industrial Hygienist /Owner's Representative.

PART 3 – OTHER WORK NOT INCLUDED IN THE SPECIFICATIONS

- 3.1 General area air monitoring *may* be performed, and reporting of air monitoring results shall be provided by the Contracted Industrial Hygienist /Owner's Representative.

The Abatement Contractor shall be responsible for OSHA air monitoring required for the safety of the client's employees and posted at the job site within 24-hours for review by Owner, Employee Representative and any Visitors requesting to view the data.

PART 4 - EXISTING CONDITIONS

- 41 Existing conditions are reflected correctly to the best of the Client/Owner's knowledge. The Abatement Supervisor is encouraged to view the designated areas scheduled for this asbestos abatement work activities. Should conditions encountered are not as indicated; modifications to the work shall be made as required.
- 42 Various materials in the work area have been tested and are part of the historical record for this Client/Owner. Request for copies of the analytical data concerning the designated materials to be removed shall be submitted in writing by the Abatement Supervisor to the Contracted Industrial Hygienist /Owner's Representative.
- 43 Abatement Supervisor is advised that additional asbestos-containing materials may be added during the course of the work and the Abatement Supervisor may be directed by Client/Owner to include this material in the Scope of Work. Appropriate change orders will be addressed as necessary.

PART 5 - STORAGE

- 5.1 The Abatement Contractor may supply a temporary construction office, secure storage of equipment and all materials for duration of project.

PART 6 - BUILDING OCCUPANCY

- 6.1 The abatement space is unoccupied.
- 6.2 The facility shall be considered unoccupied. All precautions, i.e. ventilation, demarcation, waste hauling, equipment control, attractive nuisance, etc., shall be made while on-site.

PART 7 - WORKING HOURS

- 7.1 Abatement Supervisor shall submit his work schedule to the Client/Owner for approval.

PART 8 - PARKING

- 81 Parking is available on the site. Traffic control may be necessary when moving equipment and materials. Abatement Supervisor shall park in areas designated by Contracted Industrial Hygienist /Owner's Representative.
- 82 Reserved

PART 9 - AREA SECURITY

- 9.1 Abatement Supervisor shall maintain security of the abatement site at all times during the Project.

PART 10 - SEGREGATION OF WORK AREAS

- 10.1 The Abatement Supervisor may be required to segregate work areas by means of temporary barriers (such as construction fencing, temporary walls). In addition, appropriate warning signs and barrier tape shall be used to identify the work area.

PART 11 - PRE-JOB DAMAGE SURVEY OF FACILITY

- 11.1 A thorough survey of property and all affected areas shall be made by the Abatement Supervisor and Client/Owner or Contracted Industrial Hygienist /Owner's Representative prior to starting the Work in order to document existing damage. Items identified on this list will not be the responsibility of Abatement Supervisor unless further damaged by Abatement Supervisor during the Project.

PART 12 - CORRECTION OF DAMAGE TO PROPERTY

- 12.1 Consider any damage to property NOT identified in the pre-job damage survey as having resulted from execution of this contract shall be corrected at no additional expense to the Client/Owner. Issues detected during abatement should be immediately brought to the Contracted Industrial Hygienist /Owner's Representative attention.

PART 13 - SITE ORGANIZATION AND RESPONSIBILITIES

- 13.1 Project Oversight:
 - 13.1.1 The Client/Owner shall provide a Contracted Industrial Hygienist /Owner's Representative to oversee the Project. The Client/Owner shall rely on recommendations made by the Contracted Industrial Hygienist to initiate abatement actions and removal strategies. The Client/Owner is responsible for the enforcement of the provision of this Specification.
 - 13.1.2 The individual designated by the Client/Owner to provide Technical Services for this Project is referred to herein as "Owner's Representative".
 - 13.1.3 For this project, The Contracted Industrial Hygienist and the Owner's Representative, will be satisfied by Acme Environmental, Inc (Acme).
- 13.2 Inspection. Acme will inspect the status and progress of the Work for completeness and general compliance with the requirements of the Contract Documents. At a minimum, the inspections will be conducted at the following times during the Project:
 - 13.2.1 Following complete preparation of the work area(s) and prior to proceeding with actual removal of asbestos-containing material;
 - 13.2.2 During abatement to confirm adherence to the specification.
 - 13.2.3 Following final cleaning of the work area(s) prior to final visual clearance.
 - 13.2.4 To perform air clearance sampling (when necessary).
- 13.3 Notification for Inspections. Abatement Supervisor shall notify Acme at least 24-hours in advance of the need and readiness for such observations. Should advance notice not be given to the Acme, Acme will make reasonable effort to comply with time of requested observations. Client/Owner may not proceed until such inspections by Acme are made. Any delay in the completion of the Project caused by lack of advance notice by Client/Owner to Acme shall not be sufficient cause for any extension of time or extension of the Project completion deadline.

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Also, compensation for time spent by Acme on the Project resulting from prearranged meetings at which the Work has not progressed to the designated point shall be the responsibility of the Client/Owner.

13.4 Authority to Stop Work on Behalf of Owner:

13.4.1 Stop Work Order. The Client/Owner and/or Acme have authority to issue a Stop Work order for indefinite cessation of all activities associated with this Project. A Stop Work order issued by the Client/Owner and/or Acme requires complete and immediate implementation. A Stop Work order may occur any time the Client/Owner and/or Acme determines that conditions at the Project site do not meet the requirements of this Specification, or if he determines that there is threat to human health or safety exists.

13.4.2 Resumption. Resumption of work following a Stop Work order will not be permitted until formal authorization from the Client/Owner is received by Acme. While a Stop Work order is in effect, Abatement Supervisor shall maintain all work areas as Regulated Areas, as required by this Specification.

13.4.3 Suspend Work Order. Acme has the authority to issue a Suspend Work order in the event that he determines that there is an imminent danger to the health and safety of employees or other individuals at the site, including Abatement Supervisor's employees; or if work interferes with other tenant operations. A Suspend Work order requires Abatement Supervisor to cease all activities associated with a particular operation or task in areas in which Acme has determined that a potential risk to employee safety and health or interference with tenant's operations may exist.

13.4.4 Resumption. Resumption of work following a Suspend Work order shall be allowed once Acme is satisfied that conditions prompting the order have been corrected.

13.4.5 Documentation. Issuance of Stop Work orders and Suspend Worker orders, as well as orders for resumption of work under either cessation, shall be made in writing. All conditions prompting either order shall be documented, as well as corrective actions taken prior to resumption of work.

13.4.6 Standby time. Abatement Supervisor shall bear responsibility for all costs associated with Abatement Supervisor personnel and equipment during the period of work stoppage or work suspension dictated by an order.

PART 14 - SIGN-IN/OUT LOG

- 14.1 Abatement Supervisor shall maintain a sign-in/out log in the immediate vicinity of the change area of the personnel decontamination station. Maintain sign-in/out log from the time the first activity is performed involving preparation for the disturbance of asbestos-containing material until acceptance of the final visual clearance results by Acme.
- 14.2 Require all persons entering the work area, including the Abatement Supervisor's workers, Client/Owner, Acme, and government officials to sign in and out each time upon entering and leaving the work area. Indicate name, time, company or agency represented and reason for entering work area.
- 14.3 Abatement Supervisor shall insure through use of the sign-in/out log and other means that no person enters the work area unless that person has received training as required by 29 CFR 1926.1101.

PART 15 - SUPERVISOR/WORKER TRAINING DOCUMENTATION

- 15.1 Provide documentation that all supervision and workers to be used on the Project have successfully participated in an extensive training program, which instructed personnel on proper respirator use, hazards of asbestos and OSHA Asbestos Regulations. Also provide documentation as follows;
 - 15.1.1 All supervisors are accredited asbestos abatement supervisors as defined by the Asbestos Hazard Emergency Response Act (AHERA). Provide such documentation on supervisors with project sign in logbook. No supervisor shall be utilized on any portion of the work until documentation has been provided.
 - 15.1.2 All workers will have, as a minimum, thirty-two-hour OSHA Class I Asbestos Worker training.

PART 16 - UTILITIES

- 16.1 If present, abatement personnel may temporarily connect to existing permanent utilities during execution of the Project. As necessary, a licensed electrician will make any electrical connections. The Client/Owner will coordinate this process. Make connections in locations designated by Owner's Representative. Remove connections and all extensions of utilities at Project completion. The Client/Owner will pay the cost of utilities consumed. No telephone service will be provided. Waste water disposal will be made off the facility site at an approved sanitary sewer or equal.

PART 17 - SALVAGEABLE MATERIALS

- 17.1 Consultation with the Client/Owner is required before any materials are to be considered waste.

Part 18 - CLEAN-UP

- 18.1 Leave all areas visibly clean at completion of Work.

Part 19 - FINAL COMPLETION

- 19.1 Final Completion will be determined as follows:

19.1.1 Acme will, within a reasonable time period, inspect the Work to determine status of final completion when the Abatement Supervisor certifies to Acme that:

- 1) The Work has been completed in compliance with the Specifications;
- 2) The Abatement Supervisor has inspected the Work for such compliance; and
- 3) The Work is ready for final inspection.

19.1.2 Acme will promptly notify the Abatement Supervisor if he determines that the Work is incomplete or defective, and give the reasons therefore.

19.1.3 Abatement Supervisor shall, upon receipt of notice from Owner's Representative that the Work is not complete, promptly remedy the deficiencies noted by Acme and notify Acme when the Work is ready for re-inspection. Acme will then within a reasonable time period, re-inspect the Work.

19.1.4 If requested, the Abatement Supervisor may submit two complete bound copies of the following post-job submittals to the Client/Owner when Acme determines that the Work is acceptable and complete. This shall include, at a minimum:

- a. Any outstanding Pre-Job Submittals required of the project specification.
- b. Post-Job Submittals as required of the project specification.
- c. List of extra materials stock to Acme as required.

PART 20 - PATENTED ASBESTOS ABATEMENT PROCEDURES

20.1 The Abatement Supervisor is hereby notified that GPAC, Inc. may hold patent rights to "Reduced Pressurization and Filtration System: U.S. Patent No. 4,604,111". Any abatement Contractor planning use of this patented system shall submit proof of licensure for use of the system with their bid. Alternate systems shall be submitted in writing to the Owner's Representative for review and approval. The Abatement Supervisor shall provide written proof that the proposed alternate system does not infringe upon any patented systems. Acceptable written proof shall be submission of a legal opinion that the system proposed does not infringe upon said patent (by a qualified patent law attorney) and/or a description of the proposed system which clearly delineates there is not a patent infringement. Abatement Supervisor agrees to save, indemnify, defend and hold harmless the Owner and all others against any and all claims regarding unauthorized use of a patented asbestos abatement method.

SECTION 01100
COORDINATION AND SCHEDULING

PART 1 - GENERAL

1. DESCRIPTION

- 1.1 Provide coordination and scheduling of all phases of the Work of the Contract Documents with the Client/Owner, Acme, subcontractors, material suppliers and other parties as necessary to assure the smooth and orderly transition of separate phases, timely placement of items and materials, complete cooperation between parties and proper execution of the Work.

2. MEETINGS

- 2.1 Conduct all meetings with appropriate parties as scheduled and as otherwise necessary to accomplish the Work. Meeting may include the following:
 - 1. One pre-construction meeting.
 - 2. Other meetings as necessary or as requested by Client/Owner or Acme.

3. SUBMITTALS

- 3.1 Prepare and distribute submittals as required.

4. SPECIAL COORDINATION

- 4.1 Coordinate with Acme for timely observations of the progress of the Work at point of progress in the work as specified elsewhere.
- 4.2 Coordinate with Acme to provide for timely air monitoring at points of progress in the work as specified elsewhere.
- 4.3 Coordinate and schedule the requirements for determination of final completion.
- 4.4 Coordinate disposal schedule with Acme at least 72-hours prior to desired disposal

5. OCCUPIED AREAS

- 5.1 The work area will be completely segregated from any occupied areas as required in Section 02000.

END OF SECTION

SECTION 01400
INDUSTRIAL HYGIENE SERVICES

PART 1 - GENERAL

1. DESCRIPTION

- 1.1 The Client/Owner will provide a Qualified Industrial Hygienist to perform routine and special testing of the work performed under this Specification to assist in determining general compliance therewith, as well as general compliance with federal, state and local regulations.
- 1.2 Qualified Industrial Hygienist or Qualified Industrial Hygienist's Representative shall perform ambient air monitoring outside the work area on a periodical basis, or until adequate data is collected to evaluate work practices.
- 1.3 The Contractor shall perform personal exposure air monitoring within the work area and on selected abatement personnel as required by OSHA utilizing a qualified Technician.
- 1.4 Acme Environmental, Inc. (Acme) will provide professionals to act as the Qualified Industrial Hygienist, Qualified Industrial Hygienist's Representative.

2. WORK INCLUDED

- 2.1 Acme will conduct air sampling, provide for analysis, project observation and oversight as described herein.
- 2.2 Acme will conduct work area sampling (as necessary) during removal of asbestos-containing materials as outlined in Section 02000. Conduct all sampling and ensure analyses for asbestos in accordance with procedures outlined in the National Institute for Occupational Safety and Health (NIOSH) 7400 method.
- 2.3 The Contractor will conduct personal exposure sampling as follows
 - 2.3.1 Three air samples will be conducted per work period. One TWA sample will be conducted from at least two workers in proximity of the disturbance activity, and one 30-minute excursion sample from a potential high exposure activity.
 - 2.3.2 A minimum of 3 days of sampling will be conducted. If sample data from the initial 3 days of sampling show exposure limits less than the acceptable PEL and STEL, personal air sampling can be reduced to a 1 day a week frequency representing the 3 samples shown above.
 - 2.3.3 An expedited turnaround is required from the lab for the initial 2 days of sampling. This is required to verify the adequacy of PPE and gauge exposure potential.

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2.3.4 Prepare one blank for the first 1 to 20 samples. For sets containing greater than 20 samples, prepare blanks as 10% of the samples. Handle blank samples in the same manner as air samples with one exception: Do not draw any air through the blank samples. Open the blank cassette in the place where the sample cassettes are mounted on the employee. Hold it open for about 30 seconds. Close and seal the cassette appropriately. Store blanks for shipment with the sample cassettes.

2.4 Acme will observe and inspect work performed by abatement personnel for general compliance with Specification requirements and all federal, state and local regulations. **VISIBLE DEBRIS SHALL NOT REMAIN AFTER REMOVAL.**

Acme will advise Abatement Supervisor of observations and related recommendations. Maintain a logbook containing observations and field notes made by Qualified Industrial Hygienist or Qualified Industrial Hygienist's Representative.

2.5 Acme will prepare a final report for the Contracting Officer describing a general sequence of project events, sampling methodology and locations, analytical procedures and results, and observations and field notes made by Qualified Industrial Hygienist or Qualified Industrial Hygienist's Representative, certifications and evidence of training and medical surveillance as required by 29 CFR 1926.62, 29 CFR 1926.1101, and laboratory documentation regarding asbestos air sample analysis.

3. Reserved

4. QUALITY ASSURANCE

4.1 All asbestos air testing during the progress of the work shall be performed in general accordance with the procedures outlined in the NIOSH 7400 method and also will follow guidelines issued by EPA regarding detection limits. Any final air clearance testing analysis shall be by Phase Contrast Microscopy (PCM) unless determined otherwise by the Owner.

5. Reserved

6. SCHEDULING

6.1 Qualified Industrial Hygienist or Qualified Industrial Hygienist's Representative shall perform tests in areas and at times during the Work as deemed necessary by the Contracting Officer, the Owners' Representative, or as required in the Specification.

6.2 Abatement Supervisor shall notify Contracting Officer's Representative of need for preliminary final and final air testing at least 24-hours prior to desired time of testing so that Contracting Officer's Representative may notify Qualified Industrial Hygienist or Qualified Industrial Hygienist's Representative in sufficient time as to allow preparation for testing.

6.3 Coordinate other scheduling with Qualified Industrial Hygienist or Qualified Industrial Hygienist's Representative as necessary.

7. RESULTS

- 7.1 All testing and analysis shall be performed promptly and results issued expeditiously in order to minimize any possible delay in the progress of the Work.
- 7.2 Test results shall be available to Contracting Officer's Representative and Contractor as follows:
 - 7.2.1 Air sampling results: no more than 24-hours after receipt of samples by analytical laboratory.
 - 7.2.2 Results of other tests deemed necessary by Qualified Industrial Hygienist or Qualified Industrial Hygienist's Representative as quickly as possible and within 24-hours following completion of test(s), unless Contracting Officer or Qualified Industrial Hygienist elect performance of air sample analysis by Transmission Electron Microscopy (TEM), in which case result shall be made available to Contracting Officer and Contractor no more than 24-hours after receipt of samples by analytical laboratory.
- 7.3 Reserved
- 7.4 Qualified Industrial Hygienist shall provide a copy of the Final Report comprised of all items listed in Paragraph 2.4 of this Section within twenty days of project completion.
- 7.5 Contractor's personnel exposure sample results must be provided to the Qualified Industrial Hygienist or Qualified Industrial Hygienist's Representative daily or as requested for review.

END OF SECTION

SECTION 01500
INCIDENTAL MECHANICAL WORK

PART 1 - GENERAL

1. WORK INCLUDED

- 1.1 Coordinate with Contracting Officer's Representative to establish removal sequence.
- 1.2 Perform other incidental mechanical work not specified herein but necessary for the successful execution of the Work as set forth in the Specifications.

PART 2 - PRODUCTS

Not used.

PART 3 - EXECUTION

2. GENERAL

- 2.1 Install any temporary mechanical work necessary to comply with Section 02000.
- 2.2 Remove any temporary mechanical work necessary to comply with Section 02000 at completion of the Project and correct any damage to property.

END OF SECTION

SECTION 01600
INCIDENTAL ELECTRICAL WORK

PART 1 - GENERAL

1. WORK INCLUDED

- 1.1 Provide any temporary electrical power needed to perform the requirements of the Work.
- 1.2 Electrical panel installation will be coordinated through the use of a licensed electrician.
- 1.3 Install temporary lighting and power necessary to perform the Work of the Specifications.

PART 2 - PRODUCTS

2. MATERIALS AND WORKMANSHIP

- 2.1 All materials and equipment required shall be:
 - 2.1.1 Approved by UL and so labelled.
 - 2.1.2 For wire and cable, marked as required by Article 310-10 NEC.
 - 2.1.3 Installed by electricians skilled in their trades, working under the direct supervision of competent experienced foremen and/or superintendent.
 - 2.1.4 Installed in compliance with all applicable OSHA and NEC electrical codes.

3. TIMELY PLACING OF MATERIALS AND EQUIPMENT

- 3.1 Install items specified in Paragraph 2 of this Section at the proper time during progress of construction. Coordinate work operations with other trades as necessary.

PART 3 - EXECUTION

4. GENERAL

- 4.1 Provide temporary electrical power to respective work areas while abatement of asbestos-containing material is in progress.
- 4.2 Decontaminate and remove all temporary lighting and other electrical items after abatement of asbestos-containing material operation is complete.

END OF SECTION

SECTION 02000
ASBESTOS REMOVAL

PART 1 - GENERAL

1. SCOPE

The work covered by this section includes furnishing all plans, labor, equipment, materials, and transportation necessary for the proper and safe removal, handling, and disposal of asbestos-containing materials.

- 1.1 Remove Asbestos-Containing Materials (ACMs) from the facility as listed in Section 01000:
- 1.2 All waste generated from this project will be properly transported to an EPA approved landfill.
- 1.3 During these abatement activities No Access will be allowed to the regulated areas defined by the asbestos abatement contractor.
- 1.4 General controls applicable to all removal activities. Asbestos containing materials (ACM) on the facility will be removed utilizing appropriate dust control methods.
 - 1.4.1 Abatement of specific materials shall be scheduled in logical sequence for efficiency.
 - 1.4.2 Critical barriers will be installed on all openings (doors and windows penetrations).
 - 1.4.3 Collect all abatement debris as ACM waste. Waste will be collected in labeled asbestos waste bags or another leak tight container.
- 1.5 Heater Duct Flex Joints materials shall be removed utilizing wet methods.
 - 1.5.1 Drop clothes shall be utilized on the exterior of the building below work. All loose debris shall be collected before and after work.
 - 1.5.2 Waste will be collected in labeled asbestos waste bags or another leak tight container.
- 1.6 Interior drywall systems shall be removed utilizing wet methods.
 - 1.6.1 Where interior walls are to be abated; they can must be removed within negative pressure containments.
 - 1.6.2 Waste will be collected in labeled asbestos waste bags or another leak tight container.
- 1.7 Roofing Tar materials shall be removed utilizing wet methods.
 - 1.7.1 Drop clothes shall be utilized on the exterior of the building below work. All loose debris shall be collected before and after work.
 - 1.7.2 Waste will be collected in labeled asbestos waste bags or another leak tight container.

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- 1.8 Interior plaster systems shall be removed utilizing wet methods.
 - 1.8.1 Where interior walls are to be abated; they can must be removed within negative pressure containments.
 - 1.8.2 Waste will be collected in labeled asbestos waste bags or another leak tight container.
- 1.9 Thermal System Insulation shall be removed utilizing wet methods.
 - 1.9.1 If asbestos containing ceiling or wall materials prevent access to TSI, they must be removed in a controlled manner with proper wet methods and dust controls prior to accessing any TSI.
 - 1.9.2 Glove-bagging is an acceptable abatement process.
 - 1.7.3 TSI may be removed inside negative pressure containment along with other ACM.
 - 1.7.4 Waste will be collected in labeled asbestos waste bags or another leak tight container.
- 1.10 Window Glazing shall be removed utilizing wet methods.
 - 1.10.1 Drop clothes shall be utilized on the exterior of the building below work. All loose debris shall be collected before and after work.
 - 1.10.2 Waste will be collected in labeled asbestos waste bags or another leak tight container.
- 1.11 Additional materials may need to be removed by this contract to assist other contractors as directed by the Owner's Representative.
- 1.12 Visual inspections performed by Owner's representative will be required and final clearance by visual inspection will be performed. Air sampling may be performed as necessary.

2. TERMINOLOGY

- 2.1 Abatement - procedures to decrease or eliminate fiber release from pre-cast, spray-on, trowel-applied asbestos-containing building materials, Includes encapsulation, enclosure, and removal.
- 2.2 Air Monitoring - the process of measuring the fiber content of a specific volume of air during a stated period of time.
- 2.3 Airlock - system for permitting ingress or egress of personnel without permitting air movement between a contaminated area and an uncontaminated area, typically consisting of two curtained doorways at least three feet apart.
- 2.4 Amended Water - water to which a surfactant has been added.
- 2.5 Asbestos - a general term used to describe several fibrous mineral silicates. Although there are many asbestos minerals, only six are of commercial importance. They are: Actinolite, Amosite, Anthophyllite, Chrysotile, Crocidolite, and Tremolite. For the purposes of this Project the term "asbestos" is used interchangeable with "asbestos-containing sprayed material", "dust containing asbestos", and "friable insulating material containing asbestos".

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- 2.6 Asbestos Control Area - an area where asbestos removal operations are performed and which is delineated or otherwise isolated by physical barriers to prevent unauthorized entry.
- 2.7 ANSI - American National Standards Institute.
- 2.8 ASTM - American Society for Testing and Materials.
- 2.9 Clean Room - an uncontaminated area, part of the worker decontamination unit, with provisions for storage of workers' clothes and equipment.
- 2.10 Critical Barrier - seal applied to openings connecting the abatement area with adjacent spaces that will not be included in the containment. Critical barriers which shall not be exposed to the gross critical barriers or include, but are not limited to: HVAC vents and diffusers; doorways; windows; floor, wall, and ceiling penetrations; and air plenums.
- 2.11 Curtained Doorway - a device to allow ingress or egress from one room to another while minimizing air movement between the rooms. Typically constructed by placing three overlapping sheets of 6-mil plastic over an existing or temporarily framed doorway, securing each along the top of the doorway, securing the vertical edges of the outer sheets along one vertical edge of the second or middle sheet along the opposite vertical side of the doorway, or an approved equal.
- 2.12 Decontamination Enclosure System - a series of connected rooms, with curtained doorways between any two adjacent rooms, for the decontamination of workers or of materials and equipment. A worker decontamination enclosure system always contains at least three airlocks (rooms). An equipment decontamination system always contains at least two airlocks (rooms).
- 2.13 Encapsulation - the sealing of asbestos surfaces involving application of a material (encapsulant) that will envelop or coat the fiber matrix and eliminate fiber fallout and protect against contact damage.
- 2.14 Enclosure - procedures necessary to completely enclose material containing asbestos behind airtight, impermeable, permanent barriers.
- 2.15 EPA - United States Environmental Protection Agency.
- 2.16 Equipment Decontamination Enclosure System - a decontamination enclosure system for materials and equipment, typically consisting of a washroom, and holding area.
- 2.17 Equipment Room - a contaminated area or room which is part of the worker decontamination enclosure system, with provisions for storage of contaminated clothing and equipment.
- 2.18 Fixed Object (Immovable Object) - a unit of equipment or furniture in the work area which cannot be removed from the work area.
- 2.19 HEPA - High Efficiency Particulate Absolute (HEPA) filter capable of trapping and retaining 99.97% of asbestos fibers greater than 0.3 microns in length.
- 2.20 HEPA - High Efficiency Particulate Air (HEPA) filtered vacuuming equipment with a UL 586 filter system capable of collecting and retaining asbestos fibers.

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- 2.21 Holding Area - a chamber between the washroom and uncontaminated area in the equipment decontamination enclosure system. The holding area comprises an airlock.
- 2.22 Movable Object - a unit of equipment or furniture in the work area can be removed from the work area.
- 2.23 NESHAP - National Emissions Standard for Hazardous Air Pollutants.
- 2.24 N.E.C. - National Electrical Code.
- 2.25 NIOSH - National Institute for Occupational Safety and Health.
- 2.26 Ordinary Light Fixture - any light fixture within the building which has no specialized purpose other than normal room lighting.
- 2.27 OSHA - Occupational Safety and Health Administration.
- 2.28 Plastic Sheeting - plastic sheet material of specified thickness used for protection of walls, floors, etc., and used to seal openings into the work area.
- 2.29 Removal - the act of removing asbestos-containing or contaminated materials from the structure under properly controlled conditions to a suitable disposal site.
- 2.30 Shower Area - a room constituting an airlock, between the clean room and the equipment room in the worker decontamination enclosure system, with hot and cold or warm running water suitably arranged for complete showering during decontamination.
- 2.31 Special Light Fixtures - any light fixture or other lighting equipment which is used for a specialized purpose within the building other than providing normal room lighting.
- 2.32 Surfactant - a chemical wetting agent added to water to improve penetrating ability, thus reducing the quantity of water required to saturate asbestos-containing materials.
- 2.33 Wet Cleaning - the process of eliminating asbestos contamination from building surfaces and objects by using cloths, mops, or other cleaning tools which have been dampened with amended water, and by afterwards disposing of these cleaning tools asbestos-contaminated waste.
- 2.34 Washroom - a room between the work area and the holding area in the equipment decontamination enclosure system. The washroom comprises an airlock.
- 2.35 Work Area - area or areas of Project which undergo abatement or are contaminated.
- 2.36 Worker Decontamination Enclosure System - a decontamination enclosure system for workers, typically consisting of a clean room, a shower room, and an equipment room.

3. QUALITY CRITERIA

- 3.1 Qualifications for Performance of Work.
 - 3.1.1 It is recommended that an Abatement Supervisor (or subcontractor engaged to perform the Work of this Section) shall have a record of not less than two years successful experience in asbestos removal and related work similar in scope and magnitude to this Project. It is recommended that a list of successfully completed projects be submitted for verification.

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- 3.1.2 It is required that a Superintendent or one Head Foreman be maintained on the site at all times. Head Foreman shall remain at the work area at all times the Work is in progress.
- 3.1.3 Provide one experienced Job Foreman for every eight asbestos removal workers (laborers) utilized on the Project. Foreman shall remain at the work area (s) at all times that the Work is in progress.
- 3.1.4 Use only trained and experienced asbestos removal workers to perform the Work.
- 3.2 Reference Standards, Codes and Standards

Acknowledge, by executing the Contract, awareness and familiarity with the contents and requirements of the following regulations, codes, and standards, guidance documents, assume responsibility for the performance of the Work in strict compliance therewith and for every instance of failure to comply therewith. The current issue of document shall govern. Where conflict between requirements or with the Contract Documents exists, the more stringent requirements shall apply.

 - 3.2.1 U.S. Environmental Protection Agency (EPA) Regulations for Asbestos (Code of Federal Regulations Title 40, Part 61, Subparts A and M: National Emissions Standards for Hazardous Air Pollutants (NESHAP).
 - 3.2.2 U.S. Environmental Protection Agency (EPA) Regulation Title 40, Part 231 Appendix C, Procedures for Containing and Removing Building Materials Containing Asbestos.
 - 3.2.3 U.S. Environmental Protection Agency (EPA) 40 CFR 260-265: Resource Conservation and Recovery Act.
 - 3.2.4 U.S. Department of Labor Occupational Safety and Health Administration (OSHA) Regulations (Code of Federal Regulations Title 29, Part 1910, Section 1910.1101, 1910.134, 1910.1200, 1910.20 and Part 1926, Section 1926.1101).
 - 3.2.5 U.S. Department of Education, Office of Elementary and Secondary Education (Code of Federal Regulations Title 34, Parts 230 and 231), Federal Register, vol. 46, No. 11, January 16, 1981.
 - 3.2.6 U.S. Environmental Protection Agency (EPA) Office of Pesticide and Toxic Substances Guidance Document, "Guidance for Controlling Friable Asbestos- Containing Materials in Buildings", EPA 560 / 5-85-024, June 1985.
 - 3.2.7 All state, county, and city codes and ordinances as applicable. Make available for review at the site one copy of EPA, OSHA, and applicable state, county, and city Regulations governing the Work.
 - 3.2.8 40 CFR 763 Asbestos Hazard Emergency Response Act (AHERA).

4. TEST REPORTS

- 4.1 Results of tests of asbestos-containing materials taken from the work site within the scope of this Project will be available. However, the Abatement Supervisor is cautioned that, should interpretations be made, opinions are formed, and conclusions drawn as a result of examining the test results, those interpretations,

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opinions, and conclusions will be those made, formed and drawn solely by the Abatement Supervisor.

- 4.2 Inasmuch as randomly and/or arbitrarily selected areas were sampled, the Owner makes no representation, warranty, or guaranty that the conditions indicated by the test reports either are representative of those conditions existing throughout the area, or that unforeseen developments may not occur, or that materials other than, or in proportions different from, those indicated may not exist.

5. SUBMITTALS

- 5.1 Refer to any contract for the submittals required by the contract documents.

6. PRODUCT HANDLING

- 6.1 Deliver all materials as much as possible in the original packages, containers, or bundles bearing the name of the manufacturer and the brand name.
- 6.2 Store all materials subject to damage off the ground away from wet or damp surfaces, and under cover sufficient to prevent damage or contamination.
- 6.3 Remove from the premises all damaged or deteriorating materials. Dispose of materials that become contaminated with asbestos in accordance with applicable standards.

7. WORKER SAFETY AND PROTECTION

- 7.1 Worker Training. The Abatement Supervisor shall ensure that all of his employees have received training required by OSHA Standard 1926.1101 and applicable state regulations and that training records are on file in his office and available for review, and are maintained for one year beyond the last date of employment.
- 7.2 Worker Physical Examinations. Abatement Supervisor shall provide medical examinations for all employees in accordance with OSHA standards 1910.134 (b) and 1926.1101, and applicable state regulations. The Abatement Supervisor shall ensure that all employee results are on file in his office and available for review.
- 7.3 The Abatement Supervisor shall further ensure that employee examination results, for each employee utilized on this Project, indicate that the employee is physically capable to perform the work and wear the respiratory protection required.
- 7.4 Worker Protection and Decontamination. The Abatement Supervisor shall take all safety measures and precautions required to protect his employees and building occupants in accordance with OSHA 29 CFR 1926.1101, and EPA 40 CFR, Part 61, Subpart M, and applicable state regulations. The Abatement Supervisor shall provide his employees a worker decontamination enclosure system in accordance with OSHA 29 CFR 1926.1101, and specified herein.
- 7.5 The Abatement Supervisor shall maintain a minimum of one (1) fire extinguisher per 20,000 sf, a first-aid kit, and smoke detectors throughout the work site. The contractor shall establish emergency procedures and exits with Owner's Representative for evacuation in case of fire. Whenever possible, the Abatement Supervisor shall utilize fire-retardant materials.
- 7.6 The Abatement Supervisor shall identify a local medical emergency facility in coordination with the Owner's Representative. The emergency medical facility personnel (emergency room staff) shall be notified prior to commencement of

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abatement operations on the possibility of handling contaminated and/or injured workmen, and shall be advised on safe decontamination procedures.

- 7.7 The Abatement Supervisor shall be prepared to administer first-aid to injured personnel after decontamination. Seriously injured personnel shall be treated immediately or with delay for decontamination. When an injury occurs, the contractor shall stop work and implement fiber reduction techniques (e.g. wet methods, air cleaning, etc.) until the injured person has been removed from the work area.
- 7.8 The Abatement Supervisor will work in accordance with all fall protection standards required by OSHA when working on ladders, roofs or at leading edges.

8. BUILDING PROTECTION

- 8.1 The Abatement Supervisor shall protect adjacent rooms, hallways, facilities and property from the effects of the work in accordance with EPA, 40 CFR, Part 61, Subpart A and Subpart M.

9. WORKSITE CONDITIONS

- 9.1 Worker and Visitor Procedures: The Abatement Supervisor is hereby advised that asbestos has been determined by the U.S. Government to be a CANCER-CAUSING AGENT and the Abatement Supervisor shall provide workers and visitors with respirators and protective clothing which, as a minimum, shall meet the requirements of OSHA 29 CFR 1926.1101 during preparation of system of enclosures, prior to commencing, during actual asbestos abatement, and until final clearance evaluations are accepted by Owner's Representative.

10. PERSONNEL PROTECTION

- 10.1 Prior to commencement of work, all workers shall be instructed by the Abatement Supervisor, and shall be knowledgeable in the appropriate procedures for personnel protection, asbestos abatement, and hazard communication.
- 10.2 Abatement Supervisor acknowledges and agrees that he is solely responsible for enforcing worker protection requirements at least equal to those specified in this Section. Abatement Supervisor shall further ensure that no personnel may be present at the job site unless each has been specifically trained.
- 10.3 Abatement Supervisor shall provide workers with personally issued and marked respiratory equipment approved by NIOSH and in compliance with OSHA Standards for the type of work being performed.
- 10.4 Where respirators with disposable filters are used, provide sufficient filters for replacement as necessary by the workers, or as required by applicable regulations.
- 10.5 Provide respiratory protection as needed from the time of the first operation involving preparation to abate asbestos-containing materials (including pre-cleaning, construction of airtight barriers/barricades, and placing of plastic sheeting on walls) until acceptance of final clearance results by Owner's Representative. See Part 2, Section 13, Respiratory Protection.

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- 10.6 Provide up to three respirators to be used solely for the Owner, Owner's Representative and Government/Contracted Industrial Hygienist.
- 10.7 The Qualified Industrial Hygienist shall be responsible for performing necessary air sampling for compliance with OSHA Regulations. The Qualified Industrial Hygienist shall have received appropriate training, such as the AHERA Contractor Supervisor, NIOSH 582 or equivalent course, and has successfully completed such sampling on at least three previous projects. Additionally, the Qualified Industrial Hygienist shall provide information regarding qualifications of testing laboratory if requested. Results of personnel air monitoring shall be provided within 24-hours of completion of collection of air monitoring results.
- 10.8 Permit no visitors, except for governmental inspectors having jurisdiction and Government/Contracted Industrial Hygienist, or as authorized by Owner or Owner's Representative, in the work areas after commencement of asbestos disturbance or removal. Provide authorized visitors with suitable respirators and protective equipment. Authorized visitors must exhibit evidence of training in accordance with requirements of 29 CFR 1926.1101, prior to work area entry.
- 10.9 Provide workers with sufficient sets of protective disposable clothing, consisting of full-body coveralls, head covers, gloves, and foot covers, of sizes to properly fit individual workers. Require workers to wear such clothing from the time of the first operation involving preparation to abate asbestos-containing materials (including pre-cleaning, construction of airtight barriers/barricades, and placing of plastic sheeting on walls) until acceptance of final clearance results by Owner's Representative.
- 10.10 Leave reusable equipment, apparel and protective devices (excluding respirators) in the contaminated equipment room until the end of the abatement work, at which time such items shall be disposed of as contaminated waste or decontaminated for reuse.
- 10.11 Provide authorized visitors with a set of suitable protective disposable clothing, headgear, eye protection, and footwear of sizes to properly fit visitors whenever they are required to enter the work area.
- 10.12 Provide, in addition to respirators and protective clothing provided for authorized visitors, protective clothing for use by Owner, Owner's Representative and Contracted Industrial Hygienist. Furnish protective clothing in as many sets as required for monitoring performed by Contracted Industrial Hygienist.

PART 2 - PRODUCTS

11. MATERIALS

- 11.1 Plastic sheeting - shall be of the thicknesses specified, in sizes to minimize the frequency of joints. Use of "spray-on poly" is not permitted.
- 11.2 Tape - Shall be glass, fiber or other type capable of sealing joints of adjacent sheets of plastic and for attachment of plastic sheet on finished or unfinished surfaces under both dry and wet conditions.
- 11.3 Surfactant (wetting agent) - shall consist of mixture of "Dust-Set Amended Water Base" (Matheson Chemical Corporation), and water, mixed one part "Dust-Set Amended Water Base" to 19 parts water, or approved equivalent.
- 11.4 Sealant (encapsulant) - Shall be manufactured by reputable, established manufacturer of encapsulant/sealant asbestos-contaminated environments. It is the responsibility of the Contractor to determine compatibility of the sealant with the materials and conditions.
- 11.5 Impermeable Containers - Shall be suitable to receive and retain any asbestos-containing or contaminated materials until disposal at an approved site and shall be labeled in accordance with OSHA Regulation 29 CFR 1926.1101. Containers shall be both air and water tight. Use two types of impermeable containers:
 - 1. Metal or fiber drums with tightly fitting lids, lined with 6-mil plastic, and
 - 2. Six-mil plastic bags.
 - 3. Poly sheeting 6mil thickness.
- 11.6 Other Materials - Provide all other materials, such as lumber, nails, and hardware, which may be required to construct and dismantle the decontamination system and the barriers that isolate the work area.

12. TOOLS AND EQUIPMENT

Provide suitable tools for asbestos-containing material removal.

- 12.1 Water Sprayer - Utilize airless or other low-pressure sprayer for amended water application.
- 12.2 Air Purifying Equipment (for internal recirculation in the work area) - Shall be High Efficiency Particulate Absolute (HEPA) Filtration Systems or Electronic Precipitators. Ensure that no internal air movement system or purification equipment exhausts contaminated air from inside the work area into uncontaminated areas.
- 12.3 Transportation - As required for loading, temporary storage, transit, and unloading of contaminated waste without exposure to persons or property. Use only enclosed or covered trucks to haul waste containers in route to the landfill.

13. RESPIRATORY PROTECTION

- 13.1 Types of Respirators. Contractor shall provide workers with and require the use of respirators approved by NIOSH for asbestos in accordance with OSHA Standard 1926.1101. Disposable single use respirators are not acceptable. The minimum protection allowable during worksite preparation and abatement operations shall be

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an approved, half-face, negative-pressure air purifying respirator with HEPA cartridges and conforming to OSHA 1910.134.

13.2 Respirator Use. Respirators shall be worn at all times in the control area while the following activities are being performed:

13.2.1 During area preparation when such activities may result in contact with friable asbestos.

13.2.2 During any material or equipment removal when asbestos may be disturbed.

13.2.3 In the control area after the area has been prepared, while asbestos abatement and cleanup operations are being performed.

13.2.4 In the loading and control area while handling bags or sealed containers and while loading sealed containers onto the truck.

13.2.5 While unloading disposal containers at the landfill and placing them in the landfill.

13.2.6 After asbestos has been removed and an area has passed visual inspection and air clearance; respirators no longer need to be worn in that area.

13.3 Respirator Fitting and Training. The Contractor shall implement and maintain a Respiratory Protection Program in accordance with OSHA standards 1910.134 and 1926.1101. This program shall be described in a written program submitted as part of the Removal and Disposal Plan by the Contractor and shall incorporate the following elements:

13.3.1 Respirator Training. Employees shall be instructed in the selection, wearing, limitations, cleaning, storage, and maintenance of the type (s) of respirator (s) they will be using.

13.3.2 Qualitative Fit Testing. Each employee shall be fit-tested on the respirator (s) he is issued to ensure proper protection. Fit-testing shall be performed using isoamyl acetate ampoules, irritating smoke tubes, or equivalent methods according to OSHA Standard. If necessary, the employee shall be given a choice of facepiece sizes or styles and respirator brands in order to ensure an adequate fit. Any facial hair that may interfere with the facepiece seal shall be removed prior to fit-testing and actual use. In addition, employees shall perform positive/negative pressure fit-tests on half-mask and full-facepiece air purifying respirators each time in accordance with manufacturer's instructions.

13.3.3 Respirators and Filter Cartridges shall be stored in a place and manner that they cannot become contaminated. New cartridges shall be installed each time a worker enters the control area or at other interval designated by the Supervisor and approved by the Consultant.

14. PROTECTIVE CLOTHING

14.1 All personnel engaged in abatement work shall wear approved protective clothing manufactured from TYVEK 1422 material, or other material of equivalent resistance to penetration by asbestos. A full body suit is recommended in lieu of a separate set of coveralls, head covers, and shoe covers. Disposable whole body clothing including head covers, gloves, and shoe coverings shall be provided to and worn

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by all personnel in the control area. If attached and/or boots are not included, these shall be provided separately. If elastic sleeve closures are not provided, sleeves shall be secured to duct tape to gloves.

- 14.2 Contaminated clothing shall be treated as asbestos containing material and undergo the same disposal procedures.
- 14.3 All disposable clothing shall be flame-retardant. All openings in clothing may be taped to exclude penetration by asbestos fibers.
- 14.4 Protective Equipment, Respirators and clothing for use by the Owner and Owner's Representative and Contracted Industrial Hygienist: The Contractor shall, at all times, have available for use by the Owner, Owner's Representative and Contracted Industrial Hygienist three clean sets of protective equipment (including appropriate respirators and disposable protective clothing).
- 14.5 Hardhats (ANSI rated) shall be worn in the control area and wherever overhead hazards are present.
- 14.6 Safety glasses (ANSI rated) shall be worn in the control area or wherever impact tools are used or potential eye hazards are present
- 14.7 Fall protection shall be utilized if manlifts, scissor lifts, or boom lifts are utilized. Compliance with OSHA 1926 Subpart M is mandatory. No leading-edge work is anticipated.

15. WARNING SIGNS AND LABELS

This section applies to asbestos labeling only.

- 15.1 Signs. The Contractor shall post warning signs prior to asbestos removal in accordance with OSHA, 29 CFR 1926.1101. The signs shall display the legend indicated below:

**DANGER ASBESTOS
CANCER AND LUNG DISEASE HAZARD
AUTHORIZED PERSONNEL ONLY
RESPIRATORS AND PROTECTIVE CLOTHING ARE REQUIRED IN THIS AREA**

- 15.2 Labels. The Contractor shall permanently affix warning labels to all products and bags/containers containing or contaminated with un-encapsulated friable asbestos in accordance with OSHA, 29 CFR 1926.1101. Labels shall be printed in large bold letters on a contrasting background and contain the following legend:

**DANGER
CONTAINS ASBESTOS FIBERS
AVOID CREATING DUST
CANCER AND LUNG DISEASE HAZARD**

PART 3 - EXECUTION

16. PREPARATION

- 16.1 Coordinate sequence of work area preparation throughout the project with Owner's Representative in order to properly segregate work areas from areas that must remain fully or partially operational.

16.2 Preparation of Work Area

All interior floor tile abatement activity will be performed within a negative pressure enclosure (NPE), or "containment" if possible.

- 16.2.1 Where possible, place one layer of six-mil thick plastic sheeting on the ground around the perimeter which is not to be removed or disturbed. The intent is to have one layer of 6 mil sheeting beneath the removal area to collect loose debris. Not-applicable to floor tile removal.

- 16.2.2 Critical barriers will be placed on all penetrations, including; windows, doors, ventilation duct registers/diffusers, etc. Two layers of 6 mil poly and duct tape will be utilized.

- 16.2.3 Construction of a multi-chamber airlock will be required at the entry to the containment.

- 16.2.4 Maintain emergency and fire escape routes from the work areas. Demarcate exit routes.

- 16.2.5 Install HEPA filtered exhaust ventilator in containment.

- 16.2.6 Exhaust the ventilator to the outside air. Not into occupied space.

- 16.2.7 Maintain a reduced pressure of 0.02" water column differential within the containment space. Verify with differential pressure monitor.

- 16.2.5 Provide temporary power and lighting as necessary to maintain safe and comfortable work environment.

- 16.2.6 Maintain a Sign In/Out log in the immediate area of the change area to be utilized by every person, each time upon entering and leaving the work area(s). Provide completed copy of sign in/out log to Owner's Representative when requested.

- 16.2.7 Notify Owner's Representative for observation of the preparation of jobsite preparation prior to any disturbance of asbestos-containing material.

17. REMOVAL OF ASBESTOS-CONTAINING MATERIAL

- 17.1 Remove and properly dispose of all materials indicated to be removed as described in the procedures outlined in the U.S. Department of Labor Occupational Safety and Health Administration (OSHA) Asbestos Regulations (Code of Federal Regulations Title 29, Part 1926, Section 1926.1101.

- 17.2 Initiate required personnel air monitoring. Provide results of personnel air monitoring to Owner's Representative within 24-hours of completion of the testing. Post results of personnel air monitoring daily in a location approved by Owner's Representative for all personnel to see.

- 17.3 Control mastic remover to ensure floor penetrations do not allow the escape of material to the lower floors if present.

18. CLEAN-UP AND CLEARANCE TESTING

- 18.1 Provide general clean-up of work area concurrent with the removal of all asbestos-containing materials. Do not permit accumulation of debris.
- 18.2 Standard of Cleaning for Final Clearance: Consider work areas and all other decontaminated and abated areas clean when:
 - 18.2.1 Level of visual cleanliness has been approved by Owner's Representative; Specifically, no visible debris is present and surfaces are clean and dry.
 - 18.2.2 For commercial buildings, schools and residential property, when the size of the project is less than or equal to 160 square feet or 260 linear feet of asbestos containing materials and/or, all other projects when the Qualified Industrial Hygienist deems it appropriate;

PCM Sampling: Air clearance will be determined by air sampling performed by the Qualified Industrial Hygienist. All samples collected from within regulated area shall indicate less than 0.01 fibers per cubic centimeter of air when analyzed by phase contrast microscopy (PCM), using procedures outlined in the NIOSH 7400 method and in accordance with the Asbestos in Schools Rule EPA 40 CFR 763.
 - 18.2.3 For commercial buildings, schools or residential property, when the size of the project is greater than 160 square feet or 260 linear feet of asbestos containing materials and/or, all other projects when the Qualified Industrial Hygienist *deems it appropriate*;

TEM Sampling: Air clearance will be determined by air sampling performed by the Qualified Industrial Hygienist. Air samples collected from the regulated area shall indicate an average of less than 70 structures per square millimeter when analyzed by transmission electron microscopy (TEM), in accordance with the Asbestos in Schools Rule EPA 40 CFR 763.

19. CLEAN-UP SEQUENCE

- 19.1 Remove all visible accumulations of asbestos-containing material and debris.
- 19.2 As appropriate, wet clean and HEPA-vacuum all surfaces in the work area.
- 19.3 Clean all equipment used in the work area and remove from work area via the equipment decontamination area.
- 19.4 Notify Owner's Representative for observation of cleaning to determine completeness. Plastic sheeting surfaces shall be accepted as clean when free from dust, dirt, residue, film, or discoloration resultant from abatement operations or other activities subordinate to these operations.
- 19.5 Following acceptance of the initial cleaning of the work area by the Owner's Representative, carefully remove the plastic sheeting, folding inward to trap debris. Dispose of as contaminated waste.
- 19.6 As appropriate, HEPA-vacuum and wet clean all surfaces in the work area. This includes, all equipment, tools, machines, and plastics sheeting remaining.

- 19.7 Final Visual Clearance and Ambient Air Testing (if necessary).
- 19.8 Re-clean and continue to clean areas which do not comply with the specified final clearance level.

20. DISPOSAL OF ASBESTOS WASTE

- 20.1 Collection of asbestos waste materials. These waste materials shall be wrapped or collected in 6-mil polyethylene bags or other approved, sealable, impermeable containers.

A fine spray of amended water or removal encapsulant shall be used to keep asbestos in unfilled, unsealed containers damp to minimize airborne asbestos dust. Each filled disposal bag shall be sealed and cleaned with a fine mist or spray of amended water inside the shower area of the decontamination unit, where it shall then be placed into a second 6-mil disposal bag. The double-bagged asbestos material which has been abated shall be removed from control area at this point for disposal.

NOTE: Waste materials may be wrapped for disposal with 6 mil poly.

- 20.2 Disposal of asbestos waste materials. Double-bagged material shall be hauled away by the Contractor as soon as there is a sufficient quantity for a truck load. Procedures for hauling and disposal shall comply with EPA 40 CFR, Part 61, and other applicable state, regional and local Government standards.
 - 20.2.1 Dump and other open trucks hauling asbestos double-bagged material shall be covered to prevent loss or damage to containers en-route to the disposal site.
 - 20.2.2 Sealed plastic disposal bags shall be placed into the burial site. Damaged bags shall be buried in impermeable drum containers. Workers unloading and handling the sealed bags at the disposal site shall wear approved respiratory protection and appropriate personal protective equipment.
- 20.3 Allow only double-bags which are undamaged or sealed metal or fiber drum containers to be deposited in landfill.
- 20.4 Ensure that there are no visible emissions to the outside air from site where materials and waste are deposited.
- 20.5 Submit receipts from authorized representative of landfill operator for each delivery of waste material to the Owner's Representative after each delivery and a complete set of copies of receipts for all deliveries.

21. FIELD QUALITY CONTROL

- 21.1 Industrial Hygiene Services for area air sampling and analysis and project observation and oversight will be provided by the Owner. Air samples may be collected outside removal area during abatement activities. The Industrial Hygiene Services will be provided by a Acme Environmental, Inc. Personnel providing the Industrial Hygiene Services are identified as " Qualified Industrial Hygienist" or Industrial Hygiene Technician for the purposes of this Specification.
 - 21.1.1 When airborne fiber concentrations outside the work area are greater than 0.01 f/cc, the Qualified Industrial Hygienist will immediately notify the

Former Tucumcari Truck Terminal

Contractor and Owner's Representative. The Contractor shall begin an investigation immediately to determine the source (s) of the elevated fiber levels.

- 21.1.2 If subsequent air samples exceed 0.01 f/cc, the Owner and Owner's Representative will be notified by the Qualified Industrial Hygienist. The Contractor will stop work and take all corrective actions necessary to reduce the airborne fiber concentrations outside the work area containment equal to or less than 0.01 f/cc.
- 21.1.3 Personal exposure monitoring will be performed by the Qualified Industrial Hygienist. If a sequence of 3 days of air sampling indicate exposures below the permissible exposure limit of 0.1 f/cc, a negative exposure assessment will have been determined.
- 21.2 The Qualified Industrial Hygienist shall conduct air monitoring periodically throughout removal and cleaning operations.
- 21.3 The Qualified Industrial Hygienist shall perform air testing and progress work samples shall be analyzed in accordance with the procedures outlined in NIOSH 7400 method.
- 21.4 A preliminary visual inspection will be performed in the work areas by the Owner's Representative following notification by the Contractor that said areas have been properly cleaned and are ready for final air testing. Areas will be observed for the presence of visible asbestos materials.
- 21.5 Visual observations will be made by the Contractor accompanied by the Owner's Representative after final clean-up to determine the presence of visible asbestos materials, and areas of damage.
- 21.6 Contractor shall perform additional cleaning if, in the opinion of the Owner's Representative, based upon the final visual observation, previous clean-up operations were determined to be inadequate.

22. LEAD CONTAINING WASTE

21.1 Lead-based paint and lead containing materials have been identified at this facility. Characterization of lead containing waste streams will be performed.

21.1.1 It is recommended to remove and replace any lead-based painted building components. Recycling of metal components is recommended.

21.1.2 Utilize drop clothes and dust controls in the removal of materials.

21.1.3 Representative waste stream. The contractor, under the supervision of the Owner's Representative, will collect representative samples of the buildings predicted waste stream for Lead (Pb) analysis by Toxic Characteristic Leaching Procedure (TCLP) EPA SW-846 Test Method 1311.

21.1.4 Where TCLP analysis determines greater than or equal to 5 mg/L (5ppm) of Lead (Pb) in the sample, that waste will be considered "Hazardous Waste". Materials containing lead in that waste stream will be segregated from the bulk waste load and disposed as Lead (Pb) hazardous waste. If lead painted metal can be reclaimed, then hazardous waste compliance is not required.

END OF SECTION



ACCIDENT PREVENTION PLAN

ACME PROJECT # 25-188

**Asbestos Abatement and
Lead Based Paint Removal Services**

**Former Tucumcari Truck Terminal
Tucumcari, NM**

SUBMITTED BY:

Acme Environmental, Inc

3816 Carlisle NE
Albuquerque, NM 87107
(505) 433-4461
Revised
10/22/2025

ACCIDENT PREVENTION PLAN

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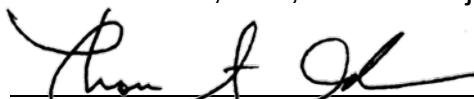
Section 1: SIGNATURE PAGE

Sampling and Analysis Plan
Former Tucumcari Truck Terminal
Tucumcari, NM

Contract #DB-241236

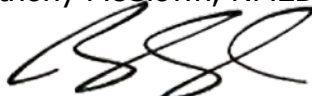


John R. Bunch, P.G., DBS&A Project Manager
10/23/2025
Date



Thomas Golden, P.E., DBS&A QA Officer
10/23/2025
Date

Anthony McGlown, NMED Project Manager
Date



Brett Engel, Acme Env. Inc. Project Safety Manager
10/22/2025
Date



David Chavez, Acme Env. Inc. Project Manager
10/22/2025
Date



Section 2: BACKGROUND INFORMATION

(a) Sub-Contractor: Acme Environmental Inc.
3816 Carlisle NE
Albuquerque, NM 87107

(b) Project Name: **Abatement and Remediation** of Asbestos and Lead-based Paint building materials of the former Tucumcari Truck Terminal in Tucumcari, NM.

(c) Project Description-

- 1) Abatement of asbestos containing building materials (ACBM) and Lead-based Paint (LBP). This will be performed in accordance with EPA protocols established in EPA's 40 CFR 763 and 40 CFR 745 respectively. This in turn will satisfy the requirements of OSHA's 29 CFR 1926.1101 and EPA's 40 CFR 61 regulations and 29 CFR 1926.62 respectively.

Project period: Winter of 2025

(d) Contractor Accident Experience: Acme Environmental Inc. has never recorded an injury or suffered any lost work time due to any occupationally related injury or illness since opening for business in November 1994.

Acme Environmental Inc. is a small business employing less than 10 people and is exempt from the reporting requirements of OSHA.

(e) Phases of Work: The project has the following phases of work:

1. Submit APP and SAP.
2. Complete site work within the allotted time period from notice to proceed (NTP).
3. Submit draft survey report within 15 days of site work.
4. Submit final survey report within 30 days of site work.

The project has the following hazardous activities:

1. Abatement of asbestos containing building materials.
2. Removal of lead-based paint containing building materials.

(f) Distribution list: Reports will be submitted to the following:

John Bunch	DBS&A NMED Program Manager
Tom Golden	DBS&A QA Officer
Brett Engel	Acme Environmental, Inc.
David Chavez	Acme Environmental, Inc.
Ediberto Ramos	Grancor Environmental, Inc.

The hazardous analysis for the hazardous activities is submitted as Appendix E

Section 3: STATEMENT OF SAFETY AND HEALTH POLICY

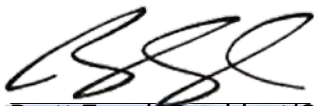
It is the belief of Acme Environmental Inc. that our people are our most important asset and that the preservation of employee safety and health must remain a constant consideration in every phase of our business. It is our intent to provide a work environment as free of hazards as possible. Acme Environmental Inc. stresses compliance with all applicable aspects of the Occupational Safety and Health Administration and Environmental Protection Agency's standards and regulations.

The commitment to the safety program by all management of Acme Environmental Inc. must be firm, aggressive and transmitted to all levels of management and supervision in every aspect of work. To assure favorable result, management must consider accident prevention both necessary and economically feasible. Management will provide all mechanical and physical safeguards, as well as training, required for personal safety and health in keeping with the highest standards.

For this program to be successful, all employees are responsible for working safely and productively, always remaining aware of hazards in their jobs and following recognized safe work practices, including the use of Personal Protective Equipment (PPE). To do this, we must follow all rules of safety established for your protection and constantly be aware of conditions in all work areas that can produce injuries, on and off Acme Environmental Inc. projects.

It is also Acme Environmental Inc.'s belief that any safety and health program must have total employee involvement. Therefore, this program has management's highest priority, support and participation.

THE PROJECT IS NOT SO URGENT THAT WE CANNOT TAKE TIME TO DO OUR WORK SAFELY. OUR GOAL IS ZERO ACCIDENTS AND INJURIES.



Brett Engel, President/CEO
Acme Environmental, Inc.

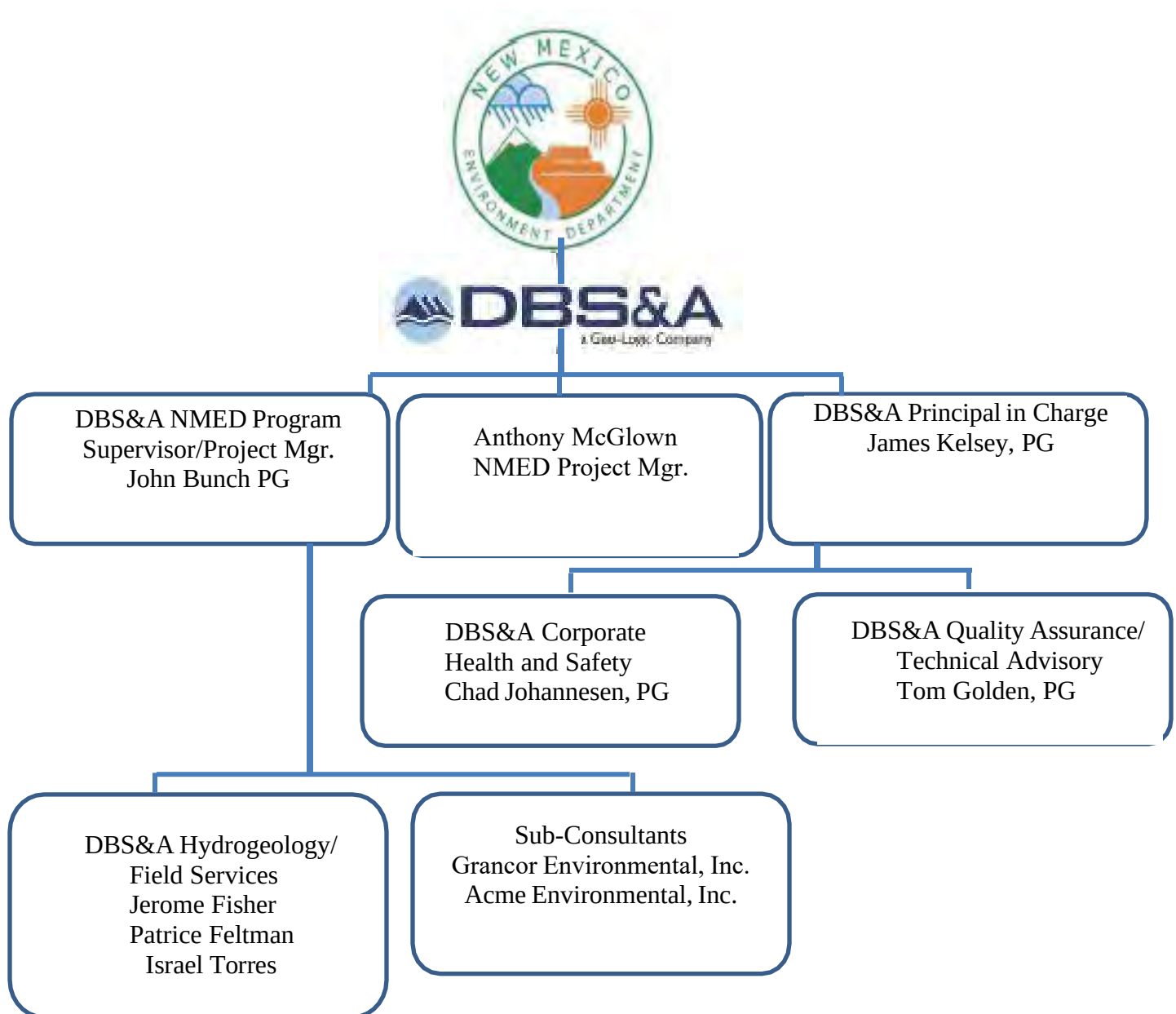
10/22/2025

Date

Section 4: LINES OF AUTHORITY & ASSIGNMENT OF RESPONSIBILITY

Lines of Authority. All onsite personnel involved in the project have the stop work authority (SWA). SWA gives all workers the responsibility and authority to stop work when unsafe conditions or actions could result in injury, death, property damage, or environmental impact, without retribution.

Project Organizational Chart



ACME ENVIRONMENTAL, INC. PROJECT SAFETY MANAGER

Acme Environmental Inc. has designated Brett Engel as the Safety Manager for this project. He is President/CEO of Acme Environmental Inc. Mr. Engel has substantial experience in environmental, safety and health education and consulting services. He has a BS in Education and Geology. His experience includes design and oversight of projects in Asbestos, Hazardous Materials, Confined Space, Indoor Air Quality and Lead Operations. Additionally, he has significant experience in the design and implementation of safety training programs in Asbestos, Lead, Hazardous Waste Operations, and Indoor Air Quality, including mold.

It shall be the duty of the Project Safety Manager to assist the Project Manager and Quality Control Manager and all other levels of management in the initiation, education, and execution of an effective safety program. Generally, and more specifically, the following:

- introduce the safety program to new workers during the safety indoctrination training,
- follow up on recommendations, suggestions, etc., made at the safety meetings. All topics of safety concerns shall be documented accordingly,
- be thoroughly familiar with the Acme Environmental Inc. safety program and assist the personnel in the execution of standard policies,
- conduct safety inspections on a periodic basis and document accordingly
- address all hazards or potential hazards as needed,
- the preparation of accident reports and investigations
- maintain adequate stock of first aid supplies and other safety equipment to ensure their immediate availability, and make sure there is an adequate number of qualified first aid certified people on the job,
- be thoroughly familiar with the OSHA regulations and the company's Safety and Health Requirements

NOTE: All copies of codes and regulations for Acme Environmental Inc. will be maintained by the Project Safety Manager.

ACME ENVIRONMENTAL, INC. PROJECT MANAGER

The Project Manager for this project is Brett Engel. The Project Manager will establish an operating atmosphere which ensures that safety and health is managed in the same manner and with the same emphasis as production, cost, and quality control. Generally, and more specifically, the following:

- define the responsibilities for safety and health of all subordinates and hold each person responsible for their results through the formal appraisal system and where necessary, conduct disciplinary procedures,
- regularly emphasizing that accident and health hazard exposures prevention are not only moral responsibilities, but also a condition of employment. Accidents create unnecessary loss, both personal and financial.

- identifying operational oversights that could contribute to accidents which often result in injuries and property damage. Example: lockout/tagout, machine guarding.
- participate in safety and health related activities, including routinely attending safety meetings, reviews of the facility, correcting worker behavior that can result in accidents and injuries, and quality control problems.
- spend some time with each person hired explaining the safety policies and the hazards of his/her particular work. See that the initial safety indoctrination of "new hires" is carried out by the Project Safety Manager.
- make sure that if a "Competent Person" is required, one is on hand to oversee and instruct workers when necessary.
- never short-cut safety for expediency, or allow workers to do so,
- enforce safety rules consistently and follow the company's discipline/enforcement procedures, conduct job site walk throughs and correct noted safety violations.

WORKERS

It is the duty of every worker to know the safety rules, and conduct his/her work in compliance. Workers on this project may include any and all of the following: Brett Engel and any other technician Acme deem suitably qualified. Disregard of the safety and health rules shall be grounds for disciplinary action up to and including termination. It is the duty of each worker to make full use of the safeguards provided for their protection. Every worker will receive indoctrination when hired and review the project's safety and health program. This is a partial list of these rules:

- read, understand and follow safety and health rules and procedures,
- no eating, drinking or smoking anywhere except in approved areas due to possible lead and asbestos exposure issues
- workers working in areas where there is a possible danger of injury, are required to wear the proper Personal Protection Equipment (PPE) at all times,
- suitable work clothes will be worn at all times on the project,
- workers observed working in a manner which might cause injury to either themselves or other workers shall be warned of the danger and will immediately correct their method of operation,
- workers shall report all injuries, no matter how slight to their foreman/supervisor immediately, and seek treatment promptly, failure to promptly report injuries may result in loss of workmen compensation benefits,
- workers shall be aware of the location of all first aid supplies, firefighting equipment, and other safety devices,
- attend any and all required safety and health meetings,
- **Until they are properly trained**, workers are not to perform potentially hazardous tasks, or to use any hazardous material. Workers are to follow all procedures when performing those tasks.

IF EVER IN DOUBT ABOUT SOMETHING, STOP AND ASK SOMEONE!

Section 5: TRAINING AND EDUCATION

Training is an essential component of an effective safety and health program. It address's the responsibilities of both management and workers, including subcontractors, at the site. Training is often most effective when incorporated into other education on performance requirements and job practices.

(a) List of subjects to be discussed with employees during safety

indoctrination: The following is a list of subjects to be discussed during employee safety indoctrination. All workers will attend this training prior to performing any work on this project.

1. Review of Acme Environmental Inc.'s Sampling and Analysis Plan
2. Review of the Accident Prevention Plan to include the discipline and enforcement policy;
3. Specific information regarding the lead, asbestos, and mold inspection activities for all workers so that they understand what to do and not do in regards to these work activities;
4. General Information on absenteeism, reporting of accidents/injuries/unsafe conditions, normal work clothing, smoking, pedestrians in around the job site, horseplay, fighting, gambling, drinking (alcohol) and drugs;
5. Work safety techniques;
6. Review the vehicular and traffic safety traffic rules required while working at the job location.
7. Personal Protective Equipment requirements such as head and scalp, eyes, ears, face and neck, fingers/hands/wrist, back, abdomen, legs/thighs, knees/shins, ankles, feet/toes, and respiratory,
8. Tool safety to include hand tools, portable power hand tools, shop power tools, rigging; and
9. The Hazard Communication Program will be reviewed and explained.

Besides the standard training, workers will also be trained in the recognition of hazards and be able to look at something or someone and know that there is a problem. This list includes:

Falls from -	Floors, roofs and roof openings, ladders (straight, fixed and step), scaffolding, wall openings, tripping, stairs, chairs.
Electrical -	Appliances, damaged cords, outlets, overloads, overhead high voltage power lines, extension cords, portable tools (broken casing or damaged wiring), grounding, metal boxes, switches, ground fault circuit interrupters (GFCI), multiple plug adapters prohibited.
Housekeeping -	Exits, walkways, floors, trash, storage of materials (hazardous and non-hazardous), protruding nails etc., material laying on the

	floor (hoses, boxes, etc.).
Fire -	Oily-dirty rags, combustibles, fuel gas cylinders, exits (blocked), means of egress not visibly marked, fire extinguishers not serviced, no smoking sign posted, safety cans being used.
Trips/Slips-	Stairs, uneven flooring, electrical cords, icy walkways, floor mats, spills, change in elevation.
Health-	Lead and asbestos exposure issues, loss of hearing, eye injury due to flying objects, blood borne contaminants.
Lockout/Tagout-	Machinery or equipment capable of movement control valves, mechanical, hydraulic or air.

Workers trained in the recognition of hazards are less likely to be injured on the job. Overall production will increase, worker compensation will decrease and management/worker relations will be substantially improved.

(b) List of Mandatory Training and Certifications for this Project:

The following is a list of the Mandatory training/certification required for this project:

1. AHERA Asbestos Contractor/ Supervisor Accreditation: This is required for all workers who will be performing asbestos abatement activities.
2. EPA Certified Lead-based Paint RRP worker: This is required for all workers who will be performing lead-based paint activities.

As the Project Safety Manager, Brett Engel will ensure that the above listed workers will have the required proof of training and certification. Workers performing these activities must show proof of training and certification prior to performing any work related to the above activities.

TRAINING IS NOT JUST FOR THE HOURLY WORKER, BUT FOR EVERYONE!

(c) Identify Requirements for Emergency Response Training: Every worker shall be trained in emergency evacuation procedures in the event of fire, small chemical spills (not to exceed five (5) gallons or seventy-five (75 pounds), or any severe weather conditions. No employee of Acme Environmental Inc. will be expected to respond to any fire or large chemical spill as outlined OSHA 29 CFR 1910.120 (q) as responders.

Since large quantities of hazardous chemicals will not be used on this project, no large spill should occur, since all containers of hazardous chemicals are five (5) gallons or less. However, if a large chemical spill was to occur (such as an accident involving a vehicle carrying large quantities chemical), the Project Manager, and Project Safety Manager will be notified immediately, so that proper reporting to the facility fire department and local emergency services can be accomplished. Workers in the immediate area around the spill will move to a safe location upwind from the spill incident.

(d) Outline requirements for Supervisory & Employee Safety Meetings:

All workers of Acme Environmental Inc. on this project shall attend and participate in regularly scheduled safety meetings.

The Project Safety Manager shall conduct the weekly and monthly safety meeting. Problems that arise or that are anticipated shall be discussed along with any other safety and health topics. To keep the meeting a valuable educational experience the following is suggested:

- keep the meeting moving,
- get the workers involved by getting them to identify safety issues,
- start and stop on time,
- use illustrated material and demonstrations to make the point,
- each topic should be discussed thoroughly,
- review all accidents and injuries if they have occurred,
- evaluate close calls or near misses for trends; similar causes, and initiate corrective actions.

Records of the monthly safety meeting will be kept at Acme Environmental Inc. corporate headquarters.

Section 6: SAFETY AND HEALTH INSPECTIONS

Safety Inspections

Safety inspections will be conducted as follows:

1. Project Technicians will perform a daily walk through of their work area assignments for general housekeeping, sanitation and overall hazards. This will be done at the start of the workday, during work and at the end of the day before leaving the Project. Problems found will be brought to the immediate attention of the Project Safety Manager.
2. All Project Technicians are observing safety conditions on each work site at all times. If any unsafe condition or act is observed, immediate corrective action must be taken to correct the situation. A report of these situations must be reported immediately to the Project Safety Manager.
3. Project Technicians will be required to report any unsafe conditions they notice to their Project Manager for corrective action, including the prompt reporting to the Project Safety Manager.
4. The Project Safety Manager and Project Technicians will conduct monthly safety audits and the results of these inspections will be discussed at monthly safety meetings.

Section 7: SAFETY & HEALTH EXPECTATIONS, INCENTIVE PROGRAMS & COMPLIANCE:

GOALS:

Safety begins at the top and goes downward throughout the company. Our goal is to have an injury free work place while working on this project. This can be achieved by delegating responsibility and accountability to all involved in this company's operation including all subcontractors. Acme Environmental Inc.'s goal is to have zero accidents/incidents and injuries.

RESPONSIBILITY & ACCOUNTABILITY:

Responsibility: Having to answer for activities and results.

Accountability: The active measurement by management to ensure compliance or management doing something to ensure action.

In other words, to reach our goal of a safe accident/incident work place, everyone needs to take responsibility. Then everyone will be held accountable.

Benefits of achieving our goals are:

- the elimination/minimizing of all injury accidents,
- the zero loss of property and equipment,
- no fatalities,
- no permanent disabilities, and
- having the best safety and health conditions possible on this project.

OBJECTIVES:

This Accident Prevention Plan was developed to achieve our **stated goals**. This Plan shall be reviewed and revised/updated as changes occur in the Project that would require such changes.

MANAGEMENT COMMITMENT: The management of Acme Environmental Inc. is committed to the Accident Prevention Plan and to provide direction and motivation by:

- the appointment of Brett Engel as the Safety Manager,
- having a written safety and health plans and being totally committed to the plans,
- taking part in workers' safety training, including their subcontractors,
- establishing and enforcing disciplinary procedures for managers, foremen/supervisors and workers,
- providing support for the safety and health plans with people, authority and training,
- establishing accountability and responsibilities for management and workers to follow, and
- allowing workers the opportunity to make a difference in their work environment and allowing workers to feel comfortable enough to voice their concerns and opinions.

CONTROL OF HAZARDS

Where feasible, workplace hazards are prevented by effective design of the job site or job. Where it is not feasible to eliminate such hazards, they must be controlled to prevent unsafe and unhealthy exposure. Once a potential hazard is recognized, the elimination or control must be done in a timely manner. These procedures should include measures such as the following:

- using engineering techniques where feasible and appropriate,
- providing for regular equipment maintenance to prevent breakdowns that can create hazards,
- planning for emergencies, including fire and natural disasters, and training everyone frequently enough so if the real thing happens, everyone will know what to do even under stressful conditions,
- using administrative controls, such as reducing the duration of exposure,
- supervisors/production coordinators maintaining a periodic site inspection program,
- establishing a medical program that includes first aid on site, as well as nearby physician and emergency medical care, to reduce the risk of any injury or illness that occurs,
- addressing all safety hazards to workers whenever one is observed.

More specifically, the following hazards will be controlled as follows:

- During sampling of suspect materials, care shall be exercised to not create an airborne dust hazard. Utilization of wet methods shall be paramount along with drop cloths and HEPA vacuum cleanup. Sampling shall be in accordance with appropriate protocols established by EPA.
- Respirators will be used in accordance with the written respiratory protection plan. However, use of respirators is to be avoided. Technicians will implement work practice controls and engineering controls as appropriate to minimize the exposure potential.
- Working from ladders shall be avoided. Where subjective locations can be selected for sampling, accessible areas shall be the priority.
- Slips, trips and falls can be avoided by staying alert and observing hazard causing conditions. Workers shall use caution not work so fast as to create a hazard in moving about.
- Electrical systems should be avoided entirely. Suspect materials in dangerous locations should be assumed for hazardous material content.
- Where confined spaces are recognized, they will not be entered. Acme Environmental Inc. will not allow employees to enter confined spaces or permit required confined spaces. Employees will be trained in the recognition of these spaces during regular safety meetings.
- Workers will use caution when working in and around systems to avoid impacting the head on materials. Working above others shall be avoided. Technicians must control materials to avoid impacting persons below, and eye protection shall be used during all sampling activity. Technicians shall avoid working on materials overhead.

IT HAS BEEN Acme Environmental Inc.'s ACCIDENT EXPERIENCE THAT WHEN EVERYONE FROM THE TOP DOWN FOLLOWS ALL SAFETY AND HEALTH RULES AND REGULATIONS THE WORKPLACE IS AN ACCIDENT-FREE WORKPLACE.

Acme Environmental Inc.'s INCENTIVES:

It has been Acme's experience that safety incentives can lead to workers not wanted to report unsafe conditions, minor accidents and injuries, all of which can lead towards larger problems on projects. As such, Acme Environmental Inc. has no incentive program.

DISCIPLINE/ENFORCEMENT

There are two types or degrees of violation:

1. **Serious Violation** - Violation of any company rule or regulation without premeditation. For a serious violation Project Manager, Project Safety Manager, and Foremen/Supervisors, can use their judgment to determine the degree of discipline regarding either a verbal/written warning. They will determine the number of days off without pay or dismissal.
2. **Willful Violation** - Violation of any company rule or regulation with premeditation or forethought. For a willful violation, the discipline indicated below is the minimum that can be given. However, the degree of discipline may be extended or increased to termination of employment for willful violations. This decision is to be made by the Project Manager, Project Quality Control Manager and/or Project Safety Manager.

Acme's usual steps of taking disciplinary action are as follows:

- | | |
|-----------------------------|---------------------------------|
| 1 st Infraction: | Written/verbal warning |
| 2 nd Infraction: | Removal from job site (one day) |
| 3 rd Infraction: | Removal from project |
| 4 th Infraction: | Termination of employment |

However, any or all the steps may be omitted when the seriousness of the offense deems otherwise.

MANAGERS & FOREMEN/SUPERVISORS ACCOUNTABILITY

Foremen/Supervisors are accountable for the safety and health of the workers under them. If foremen/supervisors fail to control workers from breaking established safety and health policies and rules. They will be disciplined in the same manner as workers.

If any managers fail in their duties, Brett Engel will have them replaced on the project.

Section 8: ACCIDENT REPORTING and INVESTIGATION:

All workers, including subcontractors must report any and all accidents/incident that occur during the course of the project, even if no worker was hurt or no damage occurred to property. Failure to report can result in disciplinary action being taken.

All workers, including subcontractors are required to report all injuries or occupationally related illnesses and all accidents immediately to their foreman/supervisor. Foreman/supervisor will perform an initial accident/incident investigation. This is done immediately while the information is still fresh and clear in the minds of those involved or witnessed.

Foremen/Supervisors will ensure that the following action is done:

- Ensure that first aid is provided and/or call for emergency medical care, if required.
- If further medical treatment is required, arrange to have a member of management accompany the injured worker to the medical facility. Talk with the physician to return the injured worker back to work, if possible.
- Secure area, equipment and personnel from injury and further damage.
- Investigate the incident (injury)--gather facts, worker and witness statements; take pictures and physical measurements of incident site and equipment involved.
- Complete Accident/Incident Report, within 24 hours.
- If the injury warrants time away from work, ensure that a physician authorizes the absence and that you maintain contact with your worker while he/she remains off work.
- Ensure that corrective action to prevent a recurrence is taken.
- Discuss incident, where appropriate, in safety and other worker meetings with the intent to prevent a recurrence. Discuss with other supervisors and other management.
- Monitor status of worker(s) off work, maintain contact with worker and encourage return to work even if the physician requires restrictions.
- Injured worker(s) will not return to work without "return to work" release forms from the physician. Review the release carefully and ensure that the worker follows the restrictions indicated by the physician.

In addition, the foreman/supervisor will also immediately notify the Project Safety Manager. The Project Safety Manager will provide an immediate verbal report of the accident/incident to the Contracting Officer.

Within 24 hours of the accident/incident a completed accident investigation report will be completed and forwarded to the Contracting Officer. Both the Project Safety Manager and the foreman/supervisor who has direct responsibility of the worker involved in the accident/incident will complete this report. The investigation and report is to be made on all accident/incident regardless of minor the situation.

The following information must be included in the report:

1. How long had the worker been performing this type of work (experience),
2. How long had the worker been working the day of accident/incident,
3. All factors that contributed to the accident/incident,
4. Name of person(s) performing the investigation,
5. Date and time of person notified about accident/incident.

RECORDKEEPING OF ACCIDENT / INCIDENT REPORTS:

A log and summary report shall be maintained for every accident/incident even if no injury or property damage occurred. The Project Safety will ensure that the information is entered. The entry should be done as soon as practicable, but no later than one working day after receiving information.

The log will state if accident/incident resulted in a fatality, involved injury or illness that required loss work days, transfer to another job or termination of employment, an incident requiring medical treatment (other than first aid) or involve loss of consciousness or restriction of work or motion.

First-aid is any one-time treatment, and any follow-up visit for the purpose of observation, of minor scratches, cuts, burns, splinters, and so forth which do not ordinarily require medical care.

At the completion of the project, a summary of the log shall be forwarded to the corporate offices of Acme Environmental Inc. The summary report will provide not only the information from the accident/incident but the total number of man-hours spent on the project by Acme Environmental Inc. This summary report will be use in tracking trends and provide guidelines in developing training requirements for further projects.

Section 9: MEDICAL SUPPORT

For this project, Acme Environmental Inc. has designated the following as the medical support providers.

A first aid kit is located in the Acme Environmental Inc. vehicle. This is only to be used for minor scrapes and cuts. All replacement supplies for the first aid kit will be order by the Project Safety Officer.

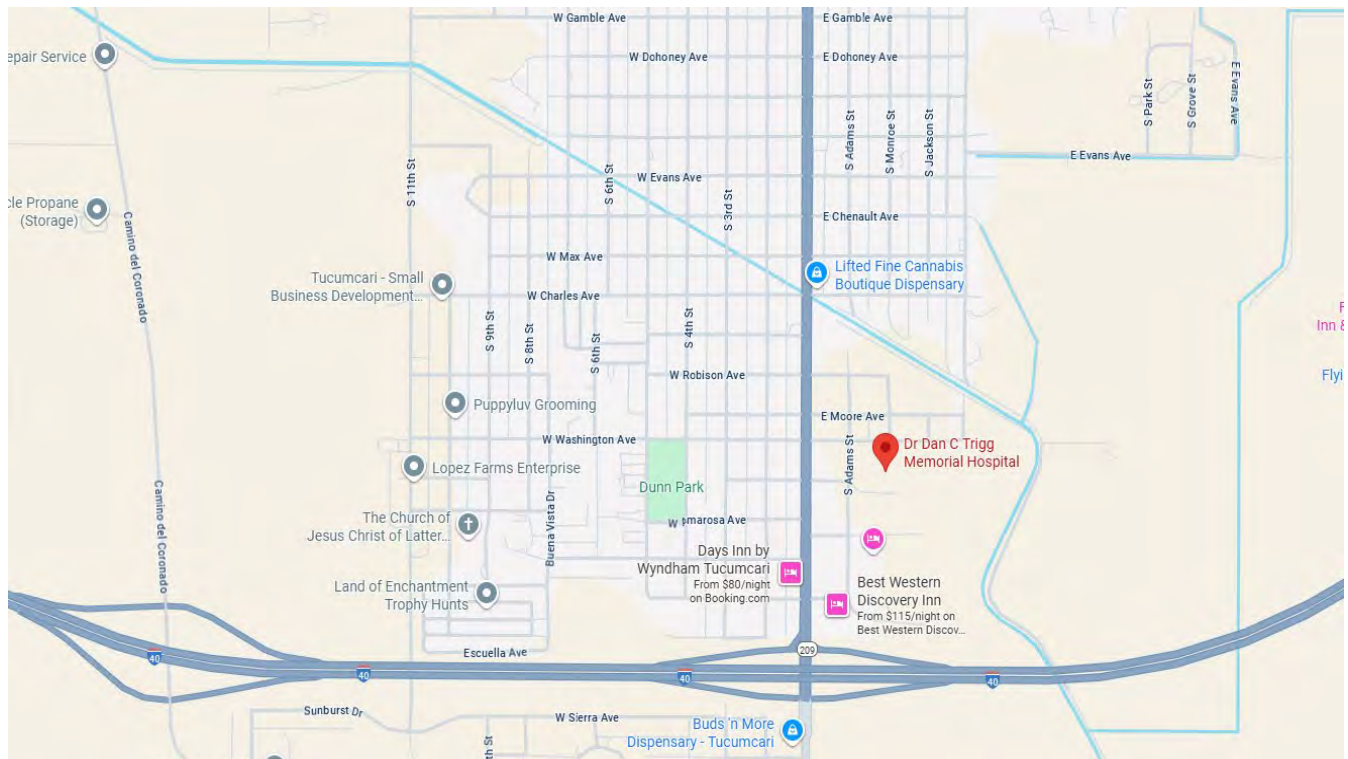
Emergency care will be arranged with following services. The address and phone number of the hospital is listed below.

Dr. Dan C. Trigg Memorial Hospital

Address:

301 E. Meil De Luna Ave. Tucumcari, NM 88401

575-461-7000



The emergency contact information, is posted at the Project site and is reviewed with all workers during indoctrination. Additional information concerning medical support can be obtained from the Project Safety Manager.

PHYSICAL QUALIFICATION FOR WORKERS

Our workers will be physically and emotionally qualified for performing their duties assigned. Some factors to be considered in marking work assignments are strength, endurance, ability, coordination and visual and hearing acuity.

Workers at no time while at work use alcohol or drugs.

Section 10: PERSONAL PROTECTION EQUIPMENT

For this project, a minimum of personal protective equipment will be necessary. Work will specifically involve sampling of potentially hazardous substances. These materials by nature are essentially stable. Workplace controls are intended to minimize the airborne risk. However, portions of the facility have been abandoned and are in various states of disrepair. Other potentials do exist for exposure to safety concerns. These include the following:

- Airborne Asbestos/Lead/Mold in dust
- Exposure to eye hazards
- Contact with asbestos/lead/mold containing materials
- Overhead hazards, impact and falling materials
- Snakes and insects

Personal protective equipment shall be utilized under the approval of the Project Safety Manager. Respiratory protection will be selected and provided by the Project Safety Manager. Medical clearance will be required prior to fit testing of any respiratory protection equipment. Compliance with the written respiratory protection program will be mandatory.

Safety glasses will be provided to all staff performing sampling on this project. At a minimum, safety glasses will be worn during sampling and when working in proximity of any activity that pose a hazard to the eyes.

Workers are recommended to use gloves during sampling. However, gloves may interfere with the use of tools required for sampling and the collection of the material to be sampled. It will be the technician's discretion to utilize gloves. Gloves can be of any type or material. Protective suits will be made available for technician use. These are recommended for use when sampling materials. It will be the technician's discretion to utilize suits. It is also recommended to HEPA vacuum the suits or if not used, personal clothing after sampling activities.

Workers will be provided hard hats to wear while working in the facility. It will be the technician's discretion to utilize hard hats. Most work will not involve any overhead hazard. When hazards do exist, workers will be required to utilize hard hats.

Section 11 PLANS, PROGRAMS and PROCEDURES

Appendix A

Acme Environmental Inc. Respiratory Protection Program

Introduction

It is the policy of Acme Environmental Inc. to provide employees with a safe and healthful working environment. This is accomplished by using facilities and equipment that have all feasible safeguards incorporated into their design. When effective engineering controls are not feasible, or when they are being initiated, respiratory protection shall be used to ensure personnel protection.

This program does not apply to contractors. Contractors are responsible for providing their own respiratory protection programs and respiratory protective equipment.

Responsibilities

Safety Department

The Safety Department is responsible for establishing and maintaining a respiratory protection program. The Safety Department will implement a respiratory protection program which is designed and organized to ensure respirators are properly selected, used, and maintained by Acme Environmental Inc. personnel, and to meet federal regulatory standards (29 CFR 1910.134) and industry accepted standards (ANSI).

The Safety Department is also responsible for evaluating those tasks for which respiratory protection is thought to be necessary, determining the degree of hazard posed by the potential exposure, determining whether engineering or administrative controls are feasible, and specifying which respiratory protection device is to be used at each task. In addition, the Safety Department will train personnel in the selection and use of respiratory protective devices, conduct qualitative and quantitative fit testing, and issue necessary protective devices.

The Safety Department is also charged with establishing medical evaluation and surveillance procedures and reviewing the health status of all personnel who may be required to wear respiratory protective equipment in the completion of their assigned tasks.

Supervisors

Supervisors will ensure each employee under his or her supervision using a respirator has received appropriate training in its use and an annual medical evaluation. Supervisors will ensure the availability of appropriate respirators and accessories, provide adequate storage facilities, and encourage proper respirator equipment maintenance. Supervisors must be aware of tasks requiring the use of respiratory protection, and ensure all employees engaged in such work use the appropriate respirators at all times.

Respirator Wearers

It is the responsibility of each respirator wearer to wear his/her respirator when and where required and in the manner in which they were trained. Respirator wearers must report any malfunctions of the respirator to his/ her supervisor immediately. The respirator wearer must also guard against mechanical damage to the respirator, clean the respirator as instructed, and store the respirator in a clean, sanitary location.

Others

Personnel, such as employees, inspectors, and visitors, who must enter an area where the use of respiratory protective equipment is required, **even** when their stay time in the area may be 15 minutes or less, shall be provided

with and use appropriate equipment, including instructions regarding use and limitations. Personnel shall be fit tested and medically qualified to wear the respirator being issued prior to entry to the site.

Contractors are required to develop and implement a respiratory protection program for their employees who must enter into or work in areas where exposure to hazardous materials can not be controlled or avoided. This program must meet OSHA regulations and include issuance of respirators, medical evaluations, fit testing, and training.

Medical Evaluation

Medical evaluation. Using a respirator may place a physiological burden on employees that varies with the type of respirator worn, the job and workplace conditions in which the respirator is used, and the medical status of the employee. Accordingly, this section specifies the minimum requirements for medical evaluation that Acme Environmental, Inc. must implement to determine the employee's ability to use a respirator.

General. Acme Environmental, Inc shall provide a medical evaluation to determine the employee's ability to use a respirator, before the employee is fit tested or required to use the respirator in the workplace. Acme Environmental, Inc may discontinue an employee's medical evaluations when the employee is no longer required to use a respirator.

Medical evaluation procedures.

The employer shall identify a physician or other licensed health care professional (PLHCP) to perform medical evaluations using a medical questionnaire or an initial medical examination that obtains the same information as the medical questionnaire. (Appendix B)

Follow-up medical examination.

ACME Environmental, Inc. shall ensure that a follow-up medical examination is provided for an employee who gives a positive response to any question among questions 1 through 8 in Section 2, Part A of Appendix C or whose initial medical examination demonstrates the need for a follow-up medical examination.

The follow-up medical examination shall include any medical tests, consultations, or diagnostic procedures that the PLHCP deems necessary to make a final determination.

Administration of the medical questionnaire and examinations.

The medical questionnaire and examinations shall be administered confidentially during the employee's normal working hours or at a time and place convenient to the employee. The medical questionnaire shall be administered in a manner that ensures that the employee understands its content.

ACME Environmental, Inc shall provide the employee with an opportunity to discuss the questionnaire and examination results with the PLHCP.

Supplemental information for the PLHCP.

The following information must be provided to the PLHCP before the PLHCP makes a recommendation concerning an employee's ability to use a respirator:

- The type and weight of the respirator to be used by the employee;

- The duration and frequency of respirator use (including use for rescue and escape);

- The expected physical work effort;

- Additional protective clothing and equipment to be worn; and

- Temperature and humidity extremes that may be encountered.

Any supplemental information provided previously to the PLHCP regarding an employee need not be provided for a subsequent medical evaluation if the information and the PLHCP remain the same.

ACME Environmental, Inc shall provide the PLHCP with a copy of the written respiratory protection program

Medical determination.

In determining the employee's ability to use a respirator, the employer shall:

- Obtain a written recommendation regarding the employee's ability to use the respirator from the PLHCP. The recommendation shall provide only the following information:

 - Any limitations on respirator use related to the medical condition of the employee,

 - or relating to the workplace conditions in which the respirator will be used, including whether or not the employee is medically able to use the respirator;

 - The need, if any, for follow-up medical evaluations; and

 - A statement that the PLHCP has provided the employee with a copy of the PLHCP's written recommendation.

If the respirator is a negative pressure respirator and the PLHCP finds a medical condition that may place the employee's health at increased risk if the respirator is used, the employer shall provide a PAPR if the PLHCP's medical evaluation finds that the employee can use such a respirator; if a subsequent medical evaluation finds that the employee is medically able to use a negative pressure respirator, then the employer is no longer required to provide a PAPR.

Additional medical evaluations.

At a minimum, the employer shall provide additional medical evaluations that comply with the requirements of this section if:

- An employee reports medical signs or symptoms that are related to ability to use a respirator;
- A PLHCP, supervisor, or the respirator program administrator informs the employer that an employee needs to be reevaluated;
- Information from the respiratory protection program, including observations made during fit testing and program evaluation, indicates a need for employee reevaluation; or
- A change occurs in workplace conditions (e.g., physical work effort, protective clothing, temperature) that may result in a substantial increase in the physiological burden placed on an employee.

Selection and Use of Respiratory Protective Devices

Respirator Use

Respiratory protection is authorized and issued for the following personnel:

- Workers in areas known to have contaminant levels requiring the use of respiratory protection or in which contaminant levels requiring the use of respiratory protection may be created without warning (e.g., emergency purposes such as hazardous material spill responses).
- Workers performing operations documented to be health hazards and those unavoidably required to be in the immediate vicinity where similar levels of contaminants are generated.
- Workers in suspect areas or performing operations suspected of being health hazards but for which adequate sampling data has not been obtained.

Respirator Use for Biohazards

Respirators for use in areas where biohazards are used or stored must be selected based on a review of the laboratory procedures, protocols, biohazardous agents proposed for use, etc. The Safety Department will conduct a risk assessment and determine the appropriate Biosafety Level for the laboratory and the corresponding level of personal protective equipment required.

Respirator Selection

Selection of the proper respirators to be used in any work area or operation at ACME Environmental Inc. is made only after a determination has been made as to the real and/or potential exposure of employees to harmful concentrations of contaminants in the workplace atmosphere. This evaluation will be performed prior to the start of any routine or non-routine tasks requiring respirators. Respiratory protective devices will be selected by the Safety Department, using the latest ANSI, OSHA, and NIOSH guidelines.

The following items will be considered in the selection of respirators: effectiveness of the device against the substance of concern; estimated maximum concentration of the substance in the work area;

general environment (open shop or confined space, etc.); known limitations of the respiratory protective device; comfort, fit, and worker acceptance; and other contaminants in the environment or potential for oxygen deficiency.

Supervisors must contact the Safety Department prior to non-routine work that may expose workers to hazardous substances or oxygen deficient atmospheres. Examples of work which may require the use of respirators includes, but are not limited to:

- asbestos abatement activities;
- abrasive blasting;
- cutting or melting lead or stripping lead-based paints from surfaces;
- welding or burning;
- painting, especially with epoxy or organic solvent coatings;
- using solvents, thinners, or degreasers;
- any work which generates large amounts of dust;
- working in a confined space;
- using formaldehyde to decontaminate a space; and bioaerosols.

A review of the real and/or potential exposures is made at least annually to determine if respiratory protection continues to be required, and if so, whether the previously chosen respirators still provide adequate protection.

Emergency Use of Respirators

In the event of an emergency, workers evacuate the work area until a proper assessment can be made of the concentration of contaminants, and adequate respiratory protection can be provided.

Types of Respirators

Air-Purifying Respirator

These respirators remove air contaminants by filtering, absorbing, adsorbing, or chemical reaction with the contaminants as they pass through the respirator canister or cartridge. This respirator is to be used only where adequate oxygen (19.5 to 23.5 percent by volume) is available.

Air-purifying respirators can be classified as follows:

- Particulate removing respirators, which filter out dusts, fibers, fumes and mists. These respirators may be single-use disposable respirators or respirators with replaceable filters. **NOTE.** Surgical masks do not provide protection against air contaminants. They are never to be used in place of an air-purifying respirator. They are for medical use only.
- Gas- and vapor-removing respirators, which remove specific individual contaminants or a combination of contaminants by absorption, adsorption, or by chemical reaction. Gas masks and chemical-cartridge respirators are examples of gas- and vapor-removing respirators.
- Combination particulate/gas- and vapor-removing respirators, which combine the respirator characteristics of both kinds of air-purifying respirators.

Supplied-Air Respirators

ACME Environmental, Inc. will not utilize supplied air systems.

Identification of Respirator Cartridges and Gas Mask Canisters

Respirator cartridges and canisters are designed to protect against individual or a combination of potentially hazardous atmospheric contaminants, and are specifically labeled and color coded to indicate the type and nature of protection they provide.

The NIOSH approval label on the respirator will also specify the maximum concentration of contaminant(s) for which the cartridge or canister is approved. For example, a label may read:

DO NOT WEAR IN ATMOSPHERES IMMEDIATELY DANGEROUS TO LIFE. MUST BE USED IN AREAS CONTAINING AT LEAST 20 PERCENT OXYGEN. DO NOT WEAR IN ATMOSPHERES CONTAINING MORE THAN ONE-TENTH PERCENT ORGANIC VAPORS BY VOLUME. REFER TO COMPLETE LABEL ON RESPIRATOR OR CARTRIDGE CONTAINER FOR ASSEMBLY, MAINTENANCE, AND USE.

Warning Signs of Respirator Failure

Particulate Air-Purifying

When breathing difficulty is encountered with a filter respirator (due to partial clogging with increased resistance), the filter(s) must be replaced. Disposable filter respirators must be discarded.

Gas or Vapor Air-Purifying

If, when using a gas or vapor respirator (chemical cartridge or canister), any of the warning properties (e.g., odor, taste, eye irritation, or respiratory irritation) occur, promptly leave the area and check the following:

- proper face seal;
- damaged or missing respirator parts; and
- saturated or inappropriate cartridge or canister.

If no discrepancies are observed, replace the cartridge or canister. If any of the warning properties appear again, the concentration of the contaminants may have exceeded the cartridge or canister design specification.

When this occurs an airline respirator or SCBA is required.

Service Life of Air-Purifying Respirator Canisters and Cartridges

The canisters or cartridges of air-purifying respirators are intended to be used until filter resistance precludes further use, or the chemical sorbent is expended as signified by a specific warning property, e.g., odor, taste, etc. New canisters, cartridges, or filters shall always be provided when a respirator is reissued. When in doubt about the previous use of the respirator, obtain a replacement canister or cartridge.

End of Service Life Indicator

Air-purifying respirators, will be used provided that:

The respirator is equipped with an end-of-service-life indicator (ESLI) certified by NIOSH for the contaminant; or If there is no ESLI appropriate for conditions in ACME Environmental, Inc. workplace, ACME Environmental, Inc. will implement a change schedule for canisters and cartridges that is based on objective information or data that will ensure that canisters and cartridges are changed before the end of their service life. ACME Environmental, Inc. will rely on use calculations available from Mine Safety Appliances web site; WWW.MSA.COM

For protection against particulates, ACME Environmental, Inc. shall provide:

An air-purifying respirator equipped with a filter certified by NIOSH under 30 CFR part 11 as a high efficiency particulate air (HEPA) filter, or an air-purifying respirator equipped with a filter certified for particulates by NIOSH under 42 CFR part 84.

Respirator Training

Respirator users and their supervisors will receive training on the contents of ACME Environmental Inc. Respiratory Protection Program and their responsibilities under it. They will be trained on the proper selection and use, as well as the limitations of the respirator. Training also covers how to ensure a proper fit before use and how to determine when a respirator is no longer providing the protection intended.

The Safety Department provides training of respirator wearers in the use, maintenance, capabilities, and limitations of respirators initially upon assignment of personnel to tasks requiring the use of respirators. Retraining is given annually thereafter and only upon successful completion of the medical evaluation.

The training program will include the following:

Nature and degree of respiratory hazard.

Respirator selection, based on the hazard and respirator capabilities and limitations.

Donning procedures and fit tests including hands-on practice.

Care of the respirator, e.g., need for cleaning, maintenance, storage, and/or replacement.

Use and limitations of respirator

Respirator training will be properly documented (Appendix A) and will include the type and model of respirator for which the individual has been trained and fit-tested.

Respirator Fit Testing

A fit test shall be used to determine the ability of each individual respirator wearer to obtain a satisfactory fit with any air-purifying respirator. Both quantitative and qualitative fit tests will be performed as necessary. Personnel must successfully pass the fit test before being issued any tight fitting respirator.

No employee is permitted to wear a respirator in a work situation until he or she has demonstrated that an acceptable fit can be obtained. Respirator fitting is conducted initially upon assignment to a task requiring use of a respirator. Refitting is conducted annually thereafter upon successful completion of the respirator training.

Fit testing will be conducted by the Safety Department and the test results will be the determining factor in selecting the type, model, and size of negative-pressure respirator for use by each individual respirator wearer.

Fit Checking

Each time a respirator is donned, the user will perform positive and negative pressure fit checks. These checks are not a substitute for fit testing. Respirator users must be properly trained in the performance of these checks and understand their limitations.

Negative Pressure Check

Applicability/Limitations: This test cannot be carried out on all respirators; however, it can be used on facepieces of air purifying respirators equipped with tight-fitting respirator inlet covers and on atmosphere supplying respirators equipped with breathing tubes which can be squeezed or blocked at the inlet to prevent the passage of air.

Procedure: Close off the inlet opening of the respirator's canister(s), cartridge(s), or filter(s) with the palm of the hand, or squeeze the breathing air tube or block its inlet so that it will not allow the passage of air. Inhale gently and hold for at least 10 seconds. If the facepiece collapses slightly and no inward leakage of air into the facepiece is detected, it can be reasonably assumed that the respirator has been properly positioned and the exhalation valve and facepiece are not leaking.

Positive Pressure Check

Applicability/Limitations: This test cannot be carried out on all respirators; however, respirators equipped with exhalation valves can be tested.

Procedure: Close off the exhalation valve or the breathing tube with the palm of the hand. Exhale gently. If the respirator has been properly positioned, a slight positive pressure will build up inside the facepiece without detection of any outward air leak between the sealing surface of the facepiece and the face.

Qualitative Fit Testing

Federal regulations (29 CFR 1910.134) require qualitative fit tests of respirators and describe step-by-step procedures. This test checks the subject's response to a chemical introduced outside the respirator facepiece. This response is either voluntary or involuntary depending on the chemical used. Several methods may be used. ACME Environmental, Inc. will utilize the irritant smoke test for Qualitative testing.

The protocols below are mandatory to OSHA.

OSHA-Accepted Fit Test Protocols

A. Fit Testing Procedures -- General Requirements

The employer shall conduct fit testing using the following procedures. The requirements in this appendix apply to all OSHA-accepted fit test methods, both QLFF and QNFT.

1. The test subject shall be allowed to pick the most acceptable respirator from a sufficient number of respirator models and sizes so that the respirator is acceptable to, and correctly fits, the user.
2. Prior to the selection process, the test subject shall be shown how to put on a respirator, how it should be positioned on the face, how to set strap tension and how to determine an acceptable fit. A mirror shall be available to assist the subject in evaluating the fit and positioning of the respirator. This instruction may not constitute the subject's formal training on respirator use, because it is only a review.
3. The test subject shall be informed that he/she is being asked to select the respirator that provides the most acceptable fit. Each respirator represents a different size and shape, and if fitted and used properly, will provide adequate protection.
4. The test subject shall be instructed to hold each chosen facepiece up to the face and eliminate those that obviously do not give an acceptable fit.
5. The more acceptable facepieces are noted in case the one selected proves unacceptable; the most comfortable mask is donned and worn at least five minutes to assess comfort. Assistance in assessing comfort can be given by discussing the points in the following item 6. If the test subject is not familiar with using a particular respirator, the test subject shall be directed to don the mask several times and to adjust the straps each time to become adept at setting proper tension on the straps.
6. Assessment of comfort shall include a review of the following points with the test subject and allowing the test subject adequate time to determine the comfort of the respirator:
 - (a) Position of the mask on the nose
 - (b) Room for eye protection
 - (c) Room to talk
 - (d) Position of mask on face and cheeks
7. The following criteria shall be used to help determine the adequacy of the respirator fit:
 - (a) Chin properly placed;
 - (b) Adequate strap tension, not overly tightened;
 - (c) Fit across Nose Bridge;
 - (d) Respirator of proper size to span distance from nose to chin;
 - (e) Tendency of respirator to slip;
 - (f) Self-observation in mirror to evaluate fit and respirator position.

8. The test subject shall conduct a user seal check, either the negative and positive pressure seal checks previously described, or those recommended by the respirator manufacturer, which provide equivalent. Before conducting the negative and positive pressure checks, the subject shall be told to seat the mask on the face by moving the head from side-to-side and up and down slowly while taking in a few slow deep breaths. Another facepiece shall be selected and retest if the test subject fails the user seal check tests.
9. The test shall not be conducted if there is any hair growth between the skin and the facepiece-sealing surface, such as stubble beard growth, beard, mustache or sideburns which cross the respirator-sealing surface. Any type of apparel, which interferes with a satisfactory fit, shall be altered or removed.
10. If a test subject exhibits difficulty in breathing during the tests, she or he shall be referred to a physician or other licensed health care professional, as appropriate, to determine whether the test subject can wear a respirator while performing her or his duties.
11. If the employee finds the fit of the respirator unacceptable, the test subject shall be given the opportunity to select a different respirator and to be retest.
12. Exercise regimen. Prior to the commencement of the fit test, the test subject shall be given a description of the fit test and the test subject's responsibilities during the test procedure. The description of the process shall include a description of the test exercises that the subject will be performing. The respirator to be tested shall be worn for at least 5 minutes before the start of the fit test.
13. The fit test shall be performed while the test subject is wearing any applicable safety equipment that may be worn during actual respirator use which could interfere with respirator fit.
14. Test Exercises. (a) The following test exercises are to be performed for all fit testing methods prescribed in this appendix, except for the CNP method. A separate fit testing exercise regimen is contained in the CNP protocol. The test subject shall perform exercises, in the test environment, in the following manner:
 - (1) Normal breathing. In a normal standing position, without talking, the subject shall breathe normally.
 - (2) Deep breathing. In a normal standing position, the subject shall breathe slowly and deeply, taking caution so as not to hyperventilate.
 - (3) Turning head side to side. Standing in place, the subject shall slowly turn his/her head from side to side between the extreme positions on each side. The head shall be held at each extreme momentarily so the subject can inhale at each side.
 - (4) Moving head up and down. Standing in place, the subject shall slowly move his/her head up and down. The subject shall be instructed to inhale in the up position (i.e., when looking toward the ceiling).
 - (5) Talking. The subject shall talk out loud slowly and loud enough so as to be heard clearly by the test conductor. The subject can read from a prepared text such as the Rainbow Passage, count backward from 100, or recite a memorized poem or song.

Rainbow Passage

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. The rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch, with its path high above, and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond reach, his friends say he is looking for the pot of gold at the end of the rainbow.

- (6) Grimace. The test subject shall grimace by smiling or frowning. (This applies only to QNFF testing; it is not performed for QLFT)
- (7) Bending over. The test subject shall bend at the waist as if he/she were to touch his/her toes. Jogging in place shall be substituted for this exercise in those test environments such as shroud type QNF-F or QLFT units that do not permit bending over at the waist.
- (8) Normal breathing. Same as exercise (1).

(b) Each test exercise shall be performed for one minute except for the grimace exercise, which shall be performed for 15 seconds. The test subject shall be questioned by the test conductor regarding the comfort of the respirator upon completion of the protocol. If it has become unacceptable, another model of respirator shall be tried. The respirator shall not be adjusted once the fit test exercises begin. Any adjustment voids the test, and the fit test must be repeated.

B. Qualitative Fit Test (QLFT) Protocols

1. General

(a) The employer shall ensure that persons administering QLFT are able to prepare test solutions, calibrate equipment and perform tests properly, recognize invalid tests, and ensure that test equipment is in proper working order.

(b) The employer shall ensure that QLFT equipment is kept clean and well maintained so as to operate within the parameters for which it was designed.

5. Irritant Smoke (Stannic Chloride) Protocol

This qualitative fit test uses a person's response to the irritating chemicals released in the "smoke" produced by a stannic chloride ventilation smoke tube to detect leakage into the respirator.

(a) General Requirements and Precautions

(1) The respirator to be tested shall be equipped with high efficiency particulate air (HEPA) or P100 series filter(s).

(2) Only stannic chloride smoke tubes shall be used for this protocol.

(3) No form of test enclosure or hood for the test subject shall be used.

(4) The smoke can be irritating to the eyes, lungs, and nasal passages. The test conductor shall take precautions to minimize the test subject's exposure to irritant smoke. Sensitivity varies, and certain individuals may respond to a greater degree to irritant smoke. Care shall be taken when performing the sensitivity screening checks that determine whether the test subject can detect irritant smoke to use only the minimum amount of smoke necessary to elicit a response from the test subject.

(5) The fit test shall be performed in an area with adequate ventilation to prevent exposure of the person conducting the fit test or the build-up of irritant smoke in the general atmosphere.

(b) Sensitivity Screening Check

The person to be tested must demonstrate his or her ability to detect a weak concentration of the irritant smoke.

(1) The test operator shall break both ends of a ventilation smoke tube containing stannic chloride, and attach one end of the smoke tube to a low flow air pump set to deliver 200 milliliters per minute, or an aspirator squeeze bulb. The test operator shall cover the other end of the smoke tube with a short piece of tubing to prevent potential injury from the jagged end of the smoke tube.

(2) The test operator shall advise the test subject that the smoke can be irritating to the eyes, lungs, and nasal passages and instruct the subject to keep his/her eyes closed while the test is performed.

(3) The test subject shall be allowed to smell a weak concentration of the irritant smoke before the respirator is donned to become familiar with its irritating properties and to determine if he/she can detect the irritating properties of the smoke. The test operator shall carefully direct a small amount of the irritant smoke in the test subject's direction to determine that he/she can detect it.

(c) Irritant Smoke Fit Test Procedure

(1) The person being fit tested shall don the respirator without assistance, and perform the required user seal check(s).

- (2) The test subject shall be instructed to keep his/her eyes closed.
- (3) The test operator shall direct the stream of irritant smoke from the smoke tube toward the faceseal area of the test subject, using the low flow pump or the squeeze bulb. The test operator shall begin at least 12 inches from the facepiece and move the smoke stream around the whole perimeter of the mask. The operator shall gradually make two more passes around the perimeter of the mask, moving to within six inches of the respirator.
- (4) If the person being tested has not had an involuntary response and/or detected the irritant smoke, proceed with the test exercises.
- (5) The exercises identified previously shall be performed by the test subject while the respirator seal is being continually challenged by the smoke, directed around the perimeter of the respirator at a distance of six inches.
- (6) If the person being fit tested reports detecting the irritant smoke at any time, the test is failed. The person being retested must repeat the entire sensitivity check and fit test procedure.
- (7) Each test subject passing the irritant smoke test without evidence of a response (involuntary cough, irritation) shall be given a second sensitivity screening check, with the smoke from the same smoke tube used during the fit test, once the respirator has been removed, to determine whether he/she still reacts to the smoke. Failure to evoke a response shall void the fit test.
- (8) If a response is produced during this second sensitivity check, then the fit test is passed.

Quantitative Fit Testing

Quantitative fit testing, using the Portacount Plus fit test system, is generally performed on both full-face and half-face positive and negative pressure respirators. Fit factors are determined by comparing the particle concentration outside the respirator with the concentration inside the respirator facepiece.

An acceptable fit is achieved when the respirator wearer successfully completes a series of six programmed exercises (normal breathing, deep breathing, moving head up and down, moving head side to side, reading, and normal breathing) with a fit factor of 100 or more.

Quantitative Fit Testing will be performed by Acme Environmental Inc. in accordance with all OSHA standards.

Special Problems

Facial Hair

No attempt is made to fit a respirator on an employee who has facial hair which comes between the sealing periphery of the facepiece and the face, or if facial hair interferes with normal functioning of the exhalation valve of the respirator.

Glasses and Eye/Face Protective Devices

Proper fitting of a respiratory protective device facepiece for individuals wearing corrective eyeglasses or goggles, may not be established if temple bars or straps extend through the sealing edge of the facepiece. If eyeglasses, goggles, face shield or welding helmet must be worn with a respirator, they must be worn so as not to adversely affect the seal of the facepiece. If a full-facepiece respirator is used, special prescription glasses inserts are available if needed.

Respirator User Cards

The Safety Department will issue Respirator User Cards to workers who have been trained, fitted, and medically evaluated to use respirators. A Respirator User Card will include:

Name and identification number of the worker.

The statement: "(name) has been trained, fitted and medically evaluated to use the respirators) indicated."

The type(s), model(s), and size(s) of respirators) that the cardholder was issued.

Expiration date of card.

Recordkeeping

Respirator fit-testing shall be documented and shall include the type of respirator, brand name and model, method of test and test results, test date, and the name of the instructor/tester.

Maintenance and Issuance of Respirators

Maintenance

The maintenance of respiratory protective devices involves a thorough visual inspection for cleanliness and defects (i.e., cracking rubber, deterioration of straps, defective exhalation and inhalation valves, broken or cracked lenses, etc.). Worn or deteriorated parts will be replaced prior to reissue. No respirator with a known defect is reissued for use. No attempt is made to replace components, make adjustments or make repairs on any respirator beyond those recommended by the manufacturer. Under no circumstances will parts be substituted, as such substitutions will invalidate the approval of the respirator. Either the manufacturer or a qualified trained technician will conduct any repair to reducing or admission valves, regulators, or alarms.

Cleaning of Respirators

All respirators in routine use shall be cleaned and sanitized on a periodic basis. Respirators used non-routinely shall be cleaned and sanitized after each use and filters and cartridges replaced.

Routinely used respirators are maintained individually by the respirator wearer. Replacement cartridges and filters are obtained by contacting the Safety Department.

Cleaning and disinfecting of respirators must be done frequently to ensure that skin-penetrating and dermatitis-causing contaminants are removed from the respirator surface. Respirators maintained for emergency use or those used by more than one person must be cleaned after each use by the user.

The following procedure is recommended for cleaning and disinfecting respirators:

Remove and discard all used filters, cartridges, or canisters.

Wash facepiece and breathing tube in a cleaner-disinfectant solution. A hand brush may be used to remove dirt. Solvents, which can affect rubber and other parts, shall not be used.

Rinse completely in clean, warm water.

Air-dry in a clean area in such a way as to prevent distortion.

Clean other respirator parts as recommended by the manufacturer.

Inspect valves, headstraps, and other parts to ensure proper working condition.

Reassemble respirator and replace any defective parts.

Place in a clean, dry plastic bag or other suitable container for storage after each cleaning and disinfecting.

Issuance of Respirators

Respiratory protective equipment shall not be ordered, purchased, or issued to personnel unless the respirator wearer has received respirator training and a fit test. New employees, who require respiratory protective equipment, must be placed into the respirator program before being issued equipment.

The Safety Department provides various types of devices. These facepieces have a variety of canisters that may be worn with them; hence, the canisters and facepieces are packaged separately. At the time of issue the appropriate canister is determined, based on the user's needs, and is issued with the appropriate facepiece.

Storage

After inspection, cleaning, and any necessary minor repairs, store respirators to protect against sunlight, heat, extreme cold, excessive moisture, damaging chemicals or other contaminants.

Respirators placed at stations and work areas for emergency use shall be stored in compartments built for that purpose, shall be quickly accessible at all times and will be clearly marked. Routinely used respirators, such as half-mask or full-face air-purifying respirators, shall be placed in sealable plastic bags. Respirators may be stored in such places as lockers or toolboxes only if they are first placed in carrying cases or cartons. Respirators shall be packed or stored so that the facepiece and exhalation valves will rest in a normal position and not be crushed. Emergency use respirators shall be stored in a sturdy compartment that is quickly accessible and clearly marked.

Program Surveillance

The ANSI Z88.2-1980 document entitled "Practices for Respiratory Protection" specifies:

"Section 3.5.15 Respirator Program Evaluation. An appraisal of the effectiveness of the respirator program shall be carried out at least annually. Action shall be taken to correct defects found in the program."

The evaluation of the Respirator Program will include investigating wearer acceptance of respirators, inspecting respirator program operation, and appraising protection provided by the respirator.

Evidence of excessive exposure of respirator wearers to respiratory hazards will be followed up by investigation to determine why inadequate respiratory protection was provided. The findings of the respirator program evaluation will be documented, and this documentation will list plans to correct faults in the program and set target dates for the implementation of the plans. These evaluations will be conducted at least annually.

Recordkeeping

The following records shall be developed and maintained for ACME Environmental Inc. Respirator Program:

Medical Evaluations

Training Records

Respirator Program Manual, IHP, and SOPs

Hazard Evaluations (air sampling results, surveys, respirator selection records)

Biohazard Risk Assessments

Fit Test Records

Program Evaluations

Respirator Training Certification

I hereby certify that I have been trained in the proper use and limitations of the respirator issued to me. The training included the following:

- Instruction on putting on, fitting, testing and wearing the respirator.
- Instruction on inspection, cleaning, and maintaining the respirator.
- Explanation of dangers related to misuse.
- Instructions on emergency situations.

I further certify that I understand the use, care, and inspection of the respirator and have tested and worn the unit.

Signed: _____ Date: _____

Respirator Type Issued: _____

Training Coordinator: _____

Standard Medical Questionnaire for Respirator Use

To the employee:

Can you read (circle one): Yes/No

Your employer must allow you to answer this questionnaire during normal working hours, or at a time and place that is convenient to you. To maintain your confidentiality, your employer or supervisor must not look at or review your answers, and your employer must tell you how to deliver or send this questionnaire to the health care professional who will review it.

Part A. Section 1. (Mandatory) The following information must be provided by every employee who has been selected to use any type of respirator (please print).

1. Today's date: _____

2. Your name: _____

3. Your age (to nearest year): _____

4. Sex (circle one): Male/Female

5. Your height: _____ ft. _____ in.

6. Your weight: _____ lbs.

7. Your job title: _____

8. A phone number where you can be reached by the health care professional who reviews this questionnaire (include the Area Code): _____

9. The best time to phone you at this number: _____

10. Has your employer told you how to contact the health care professional who will review this questionnaire (circle one): Yes/No

11. Check the type of respirator you will use (you can check more than one category):

a. _____ N, R, or P disposable respirator (filter-mask, non- cartridge type only).

b. _____ Other type (for example, half- or full-facepiece type, powered-air purifying, supplied-air, self-contained breathing apparatus).

12. Have you worn a respirator (circle one): Yes/No

If "yes," what type(s): _____

Part A. Section 2. (Mandatory) Questions 1 through 9 below must be answered by every employee who has been selected to use any type of respirator (please circle "yes" or "no").

1. Do you currently smoke tobacco, or have you smoked tobacco in the last month:
Yes/No

2. Have you ever had any of the following conditions?

a. Seizures (fits): Yes/No

b. Diabetes (sugar disease): Yes/No

c. Allergic reactions that interfere with your breathing: Yes/No

d. Claustrophobia (fear of closed-in places): Yes/No

e. Trouble smelling odors: Yes/No

3. Have you ever had any of the following pulmonary or lung problems?

a. Asbestosis: Yes/No

- b. Asthma: Yes/No
 - c. Chronic bronchitis: Yes/No
 - d. Emphysema: Yes/No
 - e. Pneumonia: Yes/No
 - f. Tuberculosis: Yes/No
 - g. Silicosis: Yes/No
 - h. Pneumothorax (collapsed lung): Yes/No
 - i. Lung cancer: Yes/No
 - j. Broken ribs: Yes/No
 - k. Any chest injuries or surgeries: Yes/No
 - l. Any other lung problem that you've been told about: Yes/No
4. Do you currently have any of the following symptoms of pulmonary or lung illness?
- a. Shortness of breath: Yes/No
 - b. Shortness of breath when walking fast on level ground or walking up a slight hill or incline: Yes/No
 - c. Shortness of breath when walking with other people at an ordinary pace on level ground: Yes/No
 - d. Have to stop for breath when walking at your own pace on level ground: Yes/No
 - e. Shortness of breath when washing or dressing yourself: Yes/No
 - f. Shortness of breath that interferes with your job: Yes/No
 - g. Coughing that produces phlegm (thick sputum): Yes/No
 - h. Coughing that wakes you early in the morning: Yes/No
 - i. Coughing that occurs mostly when you are lying down: Yes/No
 - j. Coughing up blood in the last month: Yes/No
 - k. Wheezing: Yes/No
 - l. Wheezing that interferes with your job: Yes/No
 - m. Chest pain when you breathe deeply: Yes/No
 - n. Any other symptoms that you think may be related to lung problems: Yes/No
5. Have you ever had any of the following cardiovascular or heart problems?
- a. Heart attack: Yes/No
 - b. Stroke: Yes/No
 - c. Angina: Yes/No
 - d. Heart failure: Yes/No
 - e. Swelling in your legs or feet (not caused by walking): Yes/No
 - f. Heart arrhythmia (heart beating irregularly): Yes/No
 - g. High blood pressure: Yes/No
 - h. Any other heart problem that you've been told about: Yes/No
6. Have you ever had any of the following cardiovascular or heart symptoms?
- a. Frequent pain or tightness in your chest: Yes/No
 - b. Pain or tightness in your chest during physical activity: Yes/No
 - c. Pain or tightness in your chest that interferes with your job: Yes/No
 - d. In the past two years, have you noticed your heart skipping or missing a beat: Yes/No
 - e. Heartburn or indigestion that is not related to eating: Yes/ No
 - f. Any other symptoms that you think may be related to heart or circulation problems: Yes/No
7. Do you currently take medication for any of the following problems?
- a. Breathing or lung problems: Yes/No
 - b. Heart trouble: Yes/No
 - c. Blood pressure: Yes/No
 - d. Seizures (fits): Yes/No
8. If you've used a respirator, have you ever had any of the following problems? (If you've never used a respirator, check the following space and go to question 9:)
- a. Eye irritation: Yes/No
 - b. Skin allergies or rashes: Yes/No
 - c. Anxiety: Yes/No
 - d. General weakness or fatigue: Yes/No
 - e. Any other problem that interferes with your use of a respirator: Yes/No
9. Would you like to talk to the health care professional who will review this questionnaire

about your answers to this questionnaire: Yes/No

Questions 10 to 15 below must be answered by every employee who has been selected to use either a full-facepiece respirator or a self-contained breathing apparatus (SCBA). For employees who have been selected to use other types of respirators, answering these questions is voluntary.

10. Have you ever-lost vision in either eye (temporarily or permanently): Yes/No

11. Do you currently have any of the following vision problems?

- a. Wear contact lenses: Yes/No
- b. Wear glasses: Yes/No
- c. Color blind: Yes/No
- d. Any other eye or vision problem: Yes/No

12. Have you ever had an injury to your ears, including a broken ear drum: Yes/No

13. Do you currently have any of the following hearing problems?

- a. Difficulty hearing: Yes/No
- b. Wear a hearing aid: Yes/No
- c. Any other hearing or ear problem: Yes/No

14. Have you ever had a back injury: Yes/No

15. Do you currently have any of the following musculoskeletal problems?

- a. Weakness in any of your arms, hands, legs, or feet: Yes/No
- b. Back pain: Yes/No
- c. Difficulty fully moving your arms and legs: Yes/No
- d. Pain or stiffness when you lean forward or backward at the waist: Yes/No
- e. Difficulty fully moving your head up or down: Yes/No
- f. Difficulty fully moving your head side to side: Yes/No
- g. Difficulty bending at your knees: Yes/No
- h. Difficulty squatting to the ground: Yes/No
- i. Climbing a flight of stairs or a ladder carrying more than 25 lbs: Yes/No
- j. Any other muscle or skeletal problem that interferes with using a respirator: Yes/No

Part B Any of the following questions, and other questions not listed, may be added to the questionnaire at the discretion of the health care professional who will review the questionnaire.

1. In your present job, are you working at high altitudes (over 5,000 feet) or in a place that has lower than normal amounts of oxygen: Yes/No

If "yes," do you have feelings of dizziness, shortness of breath, pounding in your chest, or other symptoms when you're working under these conditions: Yes/No

2. At work or at home, have you ever been exposed to hazardous solvents, hazardous airborne chemicals (e.g., gases, fumes, or dust), or have you come into skin contact with hazardous chemicals: Yes/No

If "yes," name the chemicals if you know them: _____

3. Have you ever worked with any of the materials, or under any of the conditions, listed below:

- a. Asbestos: Yes/No
- b. Silica (e.g., in sandblasting): Yes/No
- c. Tungsten/cobalt (e.g., grinding or welding this material): Yes/No
- d. Beryllium: Yes/No
- e. Aluminum: Yes/No
- f. Coal (for example, mining): Yes/No
- g. Iron: Yes/No
- h. Tin: Yes/No

i. Dusty environments: Yes/No

j. Any other hazardous exposures: Yes/No

If "yes," describe these exposures: _____

4. List any second jobs or side businesses you have: _____

5. List your previous occupations: _____

6. List your current and previous hobbies: _____

7. Have you been in the military services? Yes/No

If "yes," were you exposed to biological or chemical agents (either in training or combat):

Yes/No

8. Have you ever worked on a HAZMAT team? Yes/No

9. Other than medications for breathing and lung problems, heart trouble, blood pressure, and seizures mentioned earlier in this questionnaire, are you taking any other medications for any reason (including over-the-counter medications): Yes/No

If "yes," name the medications if you know them: _____

10. Will you be using any of the following items with your respirator(s)?

a. HEPA Filters: Yes/No

b. Canisters (for example, gas masks): Yes/No

c. Cartridges: Yes/No

11. How often are you expected to use the respirator(s) (circle "yes" or "no" for all answers that apply to you)?:

a. Escape only (no rescue): Yes/No

b. Emergency rescue only: Yes/No

c. Less than 5 hours per week: Yes/No

d. Less than 2 hours per day: Yes/No

e. 2 to 4 hours per day: Yes/No

f. Over 4 hours per day: Yes/No

12. During the period you are using the respirator(s), is your work effort:

a. Light (less than 200 kcal per hour): Yes/No

If "yes," how long does this period last during the average

shift: _____ hrs. _____ mins.

Examples of a light work effort are sitting while writing, typing, drafting, or performing light assembly work; or standing while operating a drill press (1-3 lbs.) or controlling machines.

b. Moderate (200 to 350 kcal per hour): Yes/No

If "yes," how long does this period last during the average

shift: _____ hrs. _____ mins.

Examples of moderate work effort are sitting while nailing or filing; driving a truck or bus in urban traffic; standing while drilling, nailing, performing assembly work, or transferring a moderate load (about 35 lbs.) at trunk level; walking on a level surface about 2 mph or down a 5-degree grade about 3 mph; or pushing a wheelbarrow with a heavy load (about 100 lbs.) on a level surface.

c. Heavy (above 350 kcal per hour): Yes/No

If "yes," how long does this period last during the average

shift: _____ hrs. _____ mins.

Examples of heavy work are lifting a heavy load (about 50 lbs.) from the floor to your waist or shoulder; working on a loading dock; shoveling; standing while bricklaying or

chipping castings; walking up an 8-degree grade about 2 mph; climbing stairs with a heavy load (about 50 lbs.).

13. Will you be wearing protective clothing and/or equipment (other than the respirator) when you're using your respirator: Yes/No

If "yes," describe this protective clothing and/or equipment: _____

14. Will you be working under hot conditions (temperature exceeding 77 deg. F): Yes/No

15. Will you be working under humid conditions: Yes/No

16. Describe the work you'll be doing while you're using your respirator(s):

17. Describe any special or hazardous conditions you might encounter when you're using your respirator(s) (for example, confined spaces, life-threatening gases):

18. Provide the following information, if you know it, for each toxic substance that you'll be exposed to when you're using your respirator(s):

Name of the first toxic substance: _____

Estimated maximum exposure level per shift: _____

Duration of exposure per shift: _____

Name of the second toxic substance: _____

Estimated maximum exposure level per shift: _____

Duration of exposure per shift: _____

Name of the third toxic substance: _____

Estimated maximum exposure level per shift: _____

Duration of exposure per shift: _____

The name of any other toxic substances that you'll be exposed to while using your respirator:

19. Describe any special responsibilities you'll have while using your respirator(s) that may affect the safety and well-being of others (for example, rescue, security):

Appendix B

Activity Hazard Analysis

ACTIVITY Ladder use

ANALYZED BY/DATE DC 10/22/25

PRINCIPAL STEPS	POTENTIAL SAFETY / HEALTH HAZARDS	RECOMMENDED CONTROLS
Locate ladder at work area Access work (sample location) Return to floor surface	Falling from ladder while sampling. Ladder unstable or slipping. Maneuvering ladder in facility.	Maintain three points of contact. If not possible, utilize platform ladder or lift to access materials. Secure ladder from slipping by lashing or person stabilizing ladder. Use caution while moving ladder through facility.
EQUIPMENT TO BE USED	INSPECTION REQUIREMENTS	TRAINING REQUIREMENTS
Platform ladder, 6-foot step ladder, 20-foot extension ladder.	Periodic inspection of worksite activities by Project Manager	General safety awareness provided in regular safety meetings.

Activity Hazard Analysis

ACTIVITY Slips, Trips and Falls

ANALYZED BY/DATE DC 10/22/25

PRINCIPAL STEPS	POTENTIAL SAFETY/HEALTH HAZARDS	RECOMMENDED CONTROLS
Moving about work locations	Debris or materials in path, wet surfaces, steps, walkways, and mezzanines. Working from ladders.	Use proper footwear. Maintain a clean, dry workplace free from obstructions. Use caution using stairs and access pathways.
EQUIPMENT TO BE USED	INSPECTION REQUIREMENTS	TRAINING REQUIREMENTS
None specified	Periodic inspection of worksite activities by Project Manager	General safety awareness provided in regular safety meetings

Activity Hazard Analysis

ACTIVITY Confined Spaces

ANALYZED BY/DATE DC 10/22/25

PRINCIPAL STEPS	POTENTIAL SAFETY / HEALTH HAZARDS	RECOMMENDED CONTROLS
Identify confined spaces.	Entry into confined spaces- hazardous atmosphere, engulfment, configuration, any other recognized hazard.	Prohibit entry into all confined spaces and permit required confined spaces.
EQUIPMENT TO BE USED	INSPECTION REQUIREMENTS	TRAINING REQUIREMENTS
N/A	Periodic inspection of worksite activities by Project Manager	General safety awareness provided in regular safety meetings

Activity Hazard Analysis

ACTIVITY Airborne Contamination

ANALYZED BY/DATE DC 10/22/25

PRINCIPAL STEPS	POTENTIAL SAFETY / HEALTH HAZARDS	RECOMMENDED CONTROLS
Working in areas where airborne contamination may be present or hazardous dust may be entrained into the atmosphere.	Inhalation of hazardous air contaminants, including; asbestos, lead, rodent and bird droppings.	Minimize dust by use of wet methods, modified work practices, or engineering controls, where these controls are not adequate, utilize half-face HEPA (P-100) filtered air purifying respirators.
EQUIPMENT TO BE USED	INSPECTION REQUIREMENTS	TRAINING REQUIREMENTS
half-face HEPA (P-100) filtered air purifying respirators	Periodic inspection of worksite activities by Project Manager. Use approved by Project Safety Manager, compliance with respiratory protection plan.	Respiratory protection training or, 40 Hour HAZWOPER or, EPA Asbestos Inspector

Activity Hazard Analysis

ACTIVITY Electrical Hazards

ANALYZED BY/DATE DC 10/22/25

PRINCIPAL STEPS	POTENTIAL SAFETY / HEALTH HAZARDS	RECOMMENDED CONTROLS
Working around energized systems.	Electrical shock.	Do not work around energized systems. Sampling of materials in close proximity to energized systems is not advised nor approved.
EQUIPMENT TO BE USED	INSPECTION REQUIREMENTS	TRAINING REQUIREMENTS
None specified	Periodic inspection of worksite activities by Project Manager.	General safety awareness provided in regular safety meetings

Activity Hazard Analysis

ACTIVITY Overhead Hazards

ANALYZED BY/DATE DC 10/22/25

PRINCIPAL STEPS	POTENTIAL SAFETY / HEALTH HAZARDS	RECOMMENDED CONTROLS
Working in and around building systems.	Impact or bump hazards.	Control loose materials when working above others. Do not throw or drop materials to lower levels.
EQUIPMENT TO BE USED	INSPECTION REQUIREMENTS	TRAINING REQUIREMENTS
Hard hat (ANSI Z89.1-1986)	Periodic inspection of worksite activities by Project Manager.	General safety awareness provided in regular safety meetings

Activity Hazard Analysis

ACTIVITY Eye Hazards

ANALYZED BY/DATE DC 10/22/25

PRINCIPAL STEPS	POTENTIAL SAFETY / HEALTH HAZARDS	RECOMMENDED CONTROLS
Sampling activities.	Flying materials-debris.	Avoid working overhead. Use low energy- minimize impact.
EQUIPMENT TO BE USED	INSPECTION REQUIREMENTS	TRAINING REQUIREMENTS
Safety Glasses (ANSI Z87.1-1989)	Periodic inspection of worksite activities by Project Manager.	General safety awareness provided in regular safety meetings

Activity Hazard Analysis

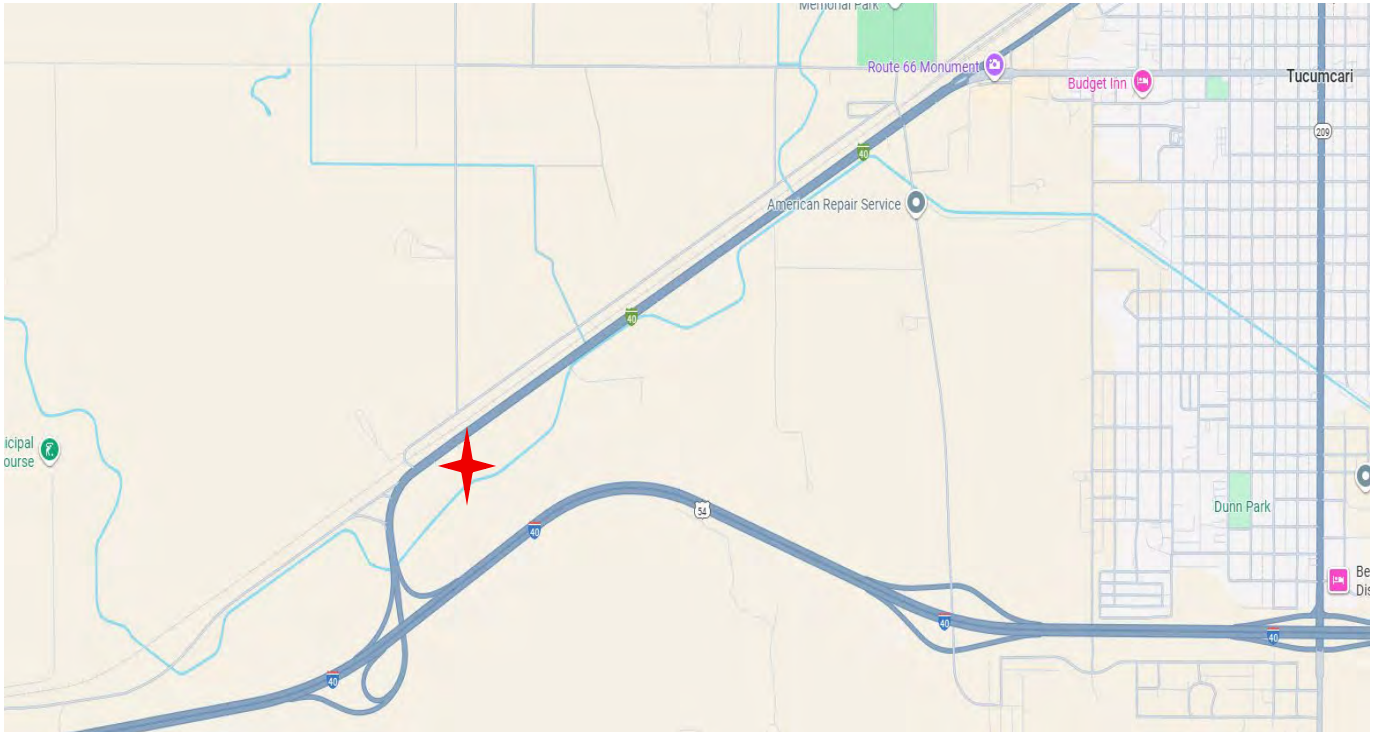
ACTIVITY Biological Hazards

ANALYZED BY/DATE DC 10/22/25

PRINCIPAL STEPS	POTENTIAL SAFETY / HEALTH HAZARDS	RECOMMENDED CONTROLS
Sampling activities.	Vermin, snakes, insects.	Utilize insect repellant. Utilize safety glasses, gloves, long sleeves, and pants. Consider taping pant legs to safety boots. Avoid placing hands in areas that cannot be adequately viewed. Use sufficient lighting to illuminate areas of low visibility.
EQUIPMENT TO BE USED	INSPECTION REQUIREMENTS	TRAINING REQUIREMENTS
Safety Glasses (ANSI Z87.1-1989)	Periodic inspection of worksite activities by Project Manager.	General safety awareness provided in regular safety meetings

Appendix C

Site Maps



Appendix D

Acme Environmental Inc. Staff

Relevant Certificates

This certifies successful
completion of the approved 4 hour training course

Brett Engel

107561510

Asbestos Inspector Refresher

For the purposes of accreditation required under
TSCA Title II, AHERA and training under NESHAP.
In compliance with the State of Louisiana regulation
LAC 33:III.2799. Appendix. A. English Language
Conducted by

Acme Environmental, Inc.

3816 Carlisle NE

Albuquerque, NM 87107

(505) 433-4461



Course Date: 06/20/2025

Expires On: 06/20/2026

Signature of Trainer: 

Certificate Number: 06202025-01

Name of Trainer David Chavez

Exam Date 06/20/2025

United States Environmental Protection Agency

This is to certify that



Brett E Engel

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:

Risk Assessor

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires August 29, 2028

LBP-R-3112-4

Certification #

July 18, 2025

Issued On



Adrienne Priselac, Deputy Director

Land, Chemicals & Redevelopment Division

This certifies successful
completion of the approved 8 hour training course

David Chavez

121869438

Asbestos Inspector Refresher

For the purposes of accreditation required under
TSCA Title II, AHERA and training under NESHAP.
In compliance with the State of Louisiana regulation
LAC 33:III.2799. Appendix. A. English Language
Conducted by

Acme Environmental, Inc.

3816 Carlisle NE

Albuquerque, NM 87107

(505) 433-4461



Course Date: 06/18/2025

Expires On: 06/18/2026

Signature of Trainer: 

Certificate Number: 06182025-01

Name of Trainer Brett Engel

Exam Date 06/18/2025

United States Environmental Protection Agency

This is to certify that



David S Chavez

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:

Inspector

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires June 29, 2027

LBP-I-186293-3

Certification #

April 23, 2024

Issued On



Adrienne Priselac, Deputy Director

Land, Chemicals & Redevelopment Division

United States Environmental Protection Agency

This is to certify that

Acme Environmental, Inc.

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires March 03, 2027

LBP-1637-3

Certification #

February 21, 2024

Issued On



Marc Edmonds, Chief

Risk Assessment Management Branch 2.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

February 19, 2021

Brett Engel
Acme Environmental, Inc.
3816 Carlisle Blvd NE
Albuquerque, NM 87107

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Dear Brett Engel:

Thank you for applying to the U.S. Environmental Protection Agency (EPA) for certification to conduct Lead-based Paint Activities in target housing and child-occupied facilities. I am pleased to inform you that, pursuant to 40 CFR Part 745, Subpart L, your lead-based paint activities firm is certified. Your certificate is enclosed.

This certification **expires on March 02, 2024 and is valid in All EPA Administered States, Tribes, and Territories**. However, if a State in which you are certified obtains program authorization during the term of this certification, the scope of your certification will be diminished to exclude the affected area.

Your EPA firm certification is subject to the following restrictions:

- 1) Individual states and Indian tribes, whether authorized or not, are not required to accept EPA certification and may accept or reject it under its own authority. Please be aware that your EPA certification does not relieve you of any obligations you may have to any State or Indian tribe regarding lead-based paint activities.
- 2) EPA certification is specific and limited as described above. If you wish to obtain certification in other lead-based paint disciplines, you must apply separately.
- 3) In advertising the EPA certification, firms must indicate clearly that the firm is certified only for purposes of Section 402 of TSCA. Failure to accurately state EPA certification conditions could result in EPA suspending or withdrawing certification.
- 4) EPA may conduct audits and/or inspections to ensure continued compliance with regulatory standards, and may revoke or suspend its certification if subsequent alterations or deviations result with the firm no longer meeting the standards found at 40 CFR Part 745, Subpart L.

If you have questions about the lead-based paint activities rule or need assistance, please contact the Regional Lead Coordinator, Mikeal Adams, of the EPA Region 6 staff at 214-665-6711. If you have any questions about your firm certification, please contact the National Lead Information Center at 1-800-424-LEAD and refer to **Application ID number C733830**. Congratulations, and thank you for your interest in being a certified abatement firm.

Sincerely,

A handwritten signature in black ink, appearing to read "Michelle Price", is positioned above the typed name.

Michelle Price, Chief
Lead, Heavy Metals, and Inorganics Branch

Enclosures

Attachment 2

Signage

NOTICE OF PROPOSED NEGLECTED CONTAMINATION SITE REMEDIATION

Location: 3700 W. Tucumcari Blvd., Tucumcari, NM

Proposed Remediation Activities: Complete abatement of asbestos containing material and lead-based paint that are impacting multiple buildings on the property.

Agency: New Mexico Environment Department (NMED)

Comment Deadline: December 5, 2025

For More Info or to Submit Comments:

NMED Ground Water Quality Bureau

PO Box 5469, Santa Fe, NM 87502

<https://www.env.nm.gov/public-notice/>

NMED does not discriminate on the basis of race, color, national origin, disability, age or sex in the administration of its programs or activities, as required by applicable laws and regulations. NMED is responsible for coordination of compliance efforts and receipt of inquiries concerning non-discrimination requirements implemented by 40 C.F.R. Parts 5 and 7, including Title VI of the Civil Rights Act of 1964, as amended; Section 504 of the Rehabilitation Act of 1973; the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972, and Section 13 of the Federal Water Pollution Control Act Amendments of 1972. If you have any questions about this notice or any of NMED's non-discrimination programs, policies or procedures, you may contact: Kate Cardenas, Non-Discrimination Coordinator, New Mexico Environment Department, 1190 St. Francis Dr., Suite N4050, P.O. Box 5469, Santa Fe, NM 87502, (505) 827-2855, nd.coordinator@env.nm.gov. If you believe that you have been discriminated against with respect to a NMED program or activity, you may contact the Non-Discrimination Coordinator identified above or visit our website at <https://www.env.nm.gov/general/environmental-justice-in-new-mexico/> to learn how and where to file a complaint of discrimination.

Attachment 3

Project Oversight Report



PROJECT REPORT ASBESTOS and LEAD ABATEMENT OVERSIGHT



***3700 W. Tucumcari Blvd
Tucumcari NM***

***PREPARED BY:
ACME ENVIRONMENTAL, INC
3816 CARLISLE NE
ALBUQUERQUE, NM***



Project Report

January 13th, 2026

Subject: Asbestos and Lead Abatement Oversight
Project Location: 3700 W. Tucumcari Blvd
Acme Project #: 25-188

Acme Environmental, Inc. (Acme) has completed area oversight and clearance for the project.

Asbestos Abatement Activities

Work performed by Grancor Environmental personnel included the soaking, cutting, removal, and disposal of asbestos-containing materials, as seen in the specification sheet "25-188 Technical Specifications" including the materials listed below. These activities took place within two separate buildings located on the property at 3700 W. Tucumcari Blvd. Tucumcari, NM. The abatement project was actively monitored for compliance and safety throughout its duration, beginning on December 16th, 2025, and continuing through January 13th, 2026. The following materials were abated during the project.

- **Travel Center**
Heater Duct Flex Joint (**Approx 100 Sq Ft**)
- **House**
Interior Plaster System 1 (**Approx 3000 Sq Ft**)
Interior Plaster System 2 (**Approx 200 Sq Ft**)
Window Glazing (**Approx 50 Sq Ft**)
Thermal System Insulation (**Approx 5 Ln Ft**)

Lead-Based Paint Activities

Work performed by Grancor Environmental (Grancor) personnel included lead-related activities consisting of the stabilization, removal, and proper disposal of lead-containing materials, in accordance with applicable federal and state regulations and the project specifications. Impacted materials included lead-based paint on building components such as doors, trim, and other painted substrates. These activities took place within four separate buildings located on the property at 3700 W. Tucumcari Blvd., Tucumcari, NM. The lead abatement project was actively monitored for regulatory compliance and worker safety throughout its duration, beginning on December 16, 2025 through January 13th of 2026.

- **Gas Station**
All Exterior Lead-Based Painted Lower Walls (**Approx 600 Sq Ft**)
Single Lead-Based Painted Parking Barrier (**1 Parking Barrier**)
- **Travel Center**
All Lead-Based Glazed Floor Tile-Orange (**Approx 5000 Sq Ft**)
All Lead-Based Glazed Tile -Orange (**Approx 1000 Sq Ft**)
All Lead-Based Glazed Tile – White (**Approx 1500 Sq Ft**)
Single Lead-Based Painted Wall- White (**Approx 300 Sq Ft**)
Single Lead-Based Painted Wall- White (**Approx 300 Sq Ft**)
Lead-Based Painted Hallway Walls- Multiple Colors (**Approx 2000 Sq Ft**)
All Lead-Based Painted Door Jams (**6 Door Jam Systems**)
- **Gas Station/Pump House**
All Exterior Lead Based Painted Bollards (**16 Bollards**)
- **Shop/Garage**
Single Lead-Based Yellow Painted Bay Pit Metal Trim (Oil Dump) (**Approx 200 Sq Ft**)
All Exterior Lead Based Painted Bollards (**12 Bollards**)

Scheduled Work

Acme was contracted to act as the Qualified Industrial Hygienist (QIH) to conduct abatement oversight during the abatement process. Grancor was contracted to perform the asbestos and lead abatement activities. Acme was also contracted to perform project clearance.

Project Information

Asbestos Abatement Progress Report

During the abatement project, 4-mil plastic sheeting was utilized for constructing containment walls, while 6-mil plastic sheeting was applied around critical barriers to ensure proper enclosure. Throughout the duration of the project, asbestos-containing materials (ACMs) were thoroughly saturated using wet methods to minimize fiber release. All waste materials were securely contained in 6-mil polyethylene bags, in accordance with regulatory requirements.

Personnel conducting the abatement were equipped with designated personal protective equipment (PPE), including appropriate respiratory protection. Negative air pressure within the containment areas was continuously maintained using HEPA-filtered negative air machines to prevent the migration of airborne fibers. Cleanup operations were performed using wet techniques to further control dust and airborne particulate.

NOTE: The plaster removed was constructed of multiple layers. The outermost finishing layer was positive for asbestos. Grancor was directed to remove the outermost layer of asbestos containing plaster. Removing the outer layer and some portion of the second layer ensured the removal of asbestos materials. Acme visually confirmed that the first layer of finishing plaster was adequately removed. Remnants of the second and primary layer of plaster remained in some locations.

Site Visit Summary 12/16/2025

Asbestos Abatement of House

As of the time of reporting, abatement activities at the house level were actively progressing. Containment was in the process of being constructed, and Grancor personnel were observed wearing appropriate personal protective equipment (PPE). Acme conducted a walkthrough of the property with Grancor to ensure that all parties had a clear understanding of the project specification sheet. The visuals below this entry represent mostly unworked building materials. Subsequent entries will document completed work as it was finished and communicated to Acme.

Visuals



Inside of House Before Abatement



Containment Entry

	
Critical Barriers	TSI in basement Prior to removal

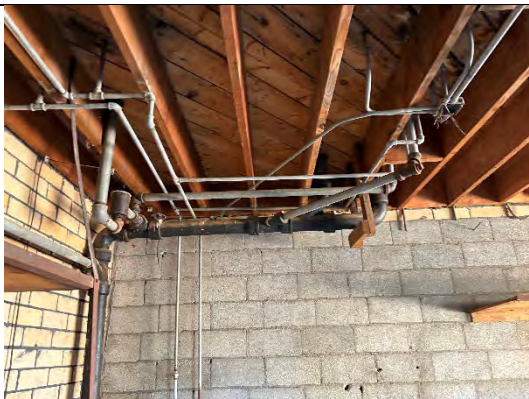
Site Visit Summary 12/23/2025
Asbestos Abatement of House

On December 23, Acme returned to observe the progress of the asbestos abatement project. At the time of the assessment, Grancor had completed the abatement of the window glazing and all thermal system insulation (TSI) from the basement. Grancor was actively abating the finish interior plaster within the house. One worker was observed using an electric water pump to adequately wet materials, while a second worker removed plaster from metal lathe, and a third worker bagged the material.

At the time of the visit, a 40-ft roll-off waste dumpster was yet to be delivered, and labeled 6-mil gooseneck bags were being temporarily securely stored in one of the bedrooms within the contained area of the house. Acme and Grancor discussed project progress in consideration of the upcoming holidays, and Acme advised that a return visit for oversight was planned for January 6, 2025.

NOTE: The plaster removed was constructed of multiple layers. The outermost finishing layer was positive for asbestos. Grancor was directed to remove the outermost layer of asbestos containing plaster. Removing the outer layer and some portion of the second layer ensured the removal of asbestos materials. Acme visually confirmed that the first layer of finishing plaster was adequately removed. Remnants of the second and primary layer of plaster remained in some locations.

Visuals

	
TSI Removal from House Basement	Plaster Removal from House Walls



Gancor Three Workers Using Wet Methods



Grancor One Worker Constantly Spraying



Waste in 6 mil Bags ready for Lined Roll Out



Waste Cleaned Out of House after Abatement Completion

Site Visit Summary 1/6/2026

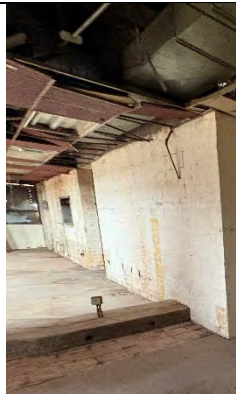
Asbestos Clearance and Lead Abatement of Gas Station and Travel Center

On January 6, a clearance inspection was performed. Based on the clearance inspection, no asbestos-containing materials (ACM) previously identified, remained on the property.

Lead abatement was largely completed. Grancor completed the abatement of the remaining gas station components, including the lead-based painted lower walls.

From the travel center, abatement had progressed work on the floor tile and wall tile, the abatement of lead based painted walls, hallways, and associated door jambs. All work was performed in accordance with the project specifications and applicable lead abatement regulations.

Visuals

	
Hallway Containing Drywall Painted with Lead-Based Paint Abated	Lead-Based Glazed Floor Tile Abated
	
Lead Based Glazed Wall Tile White Abated – White	Lead Based Glazed Wall Tile Abated – Orange

	
Single Lead Based Painted Wall Abated (2x)	Lead Based Painted Lower Walls Abated
	

**Photo of Area Where
Parking Bollards Painted with Lead-Based Paint were
Removed/Abated**

Site Visit Summary 1/13/2026

Visual Lead Clearance of Property

On January 13, a final clearance of the abatement lead-containing materials was performed. From the gas station, all lead-based painted walls had been removed. All protective bollards were removed from the site.

From the travel center, Grancor removed the lead-based glazed floor tile; orange and white lead-based glazed wall tile; two drywall walls painted with lead-based paint; a hallway constructed of drywall painted with lead-based paint; and door jambs painted with lead-based paint.

NOTE: All identified lead-containing materials were abated/removed in accordance with project specifications and applicable regulations.

	
Yellow Paint in Oil Dump is Lead Containing	Yellow Paint Has Been Encapsulated in Concrete

Project Conclusions:

Abatement oversight has been completed by Acme Environmental. All asbestos and lead-based paint abatement activities were verified and cleared through a comprehensive inspection.

Acme does not recognize any other action required for completing this cleanup/abatement activity. The asbestos building materials previously specified in these facilities have been removed in accordance with Environmental Protection Agency (EPA) National Emission Standard for Hazardous Air Pollutants (NESHAP) requirements. All asbestos waste was properly manifested and delivered to an approved waste disposal site.

Lead painted debris and abatement waste was characterized by toxic characteristic leaching process and determined to be Non-hazardous. Painted materials were disposed as general construction debris in accordance with the State of New Mexico Environment Department Solid Waste Bureau.

Jerry Duran Jr

Jerry Duran, PhD Acme Environmental, Inc.
EPA Accredited Asbestos Inspector
EPA Accredited Lead Inspector

Project Report Limitations

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard-of-care exercised by environmental consultants performing similar work in the project area. Variations in site conditions may exist and conditions not observed or described in this report may be encountered during subsequent activities.

Acme's opinions and recommendations regarding environmental conditions, as presented in this report, are based on visual inspection and limited sampling only. The samples collected and used for testing, and the observations made are believed to be representative of the area(s) evaluated. It should be understood that the conditions of a site could change with time as a result of activities at the subject site or nearby sites.

This report is intended exclusively for use by the clients. Any use or reuse of the findings, conclusions, and/or recommendations of this report by parties other than the client is undertaken at said parties' sole rights.

This certifies successful
completion of the approved 24 hour training course

Jerry Duran Jr.
503593891
Asbestos Inspector Initial

For the purposes of accreditation required under
TSCA Title II, AHERA and training under NESHAP.
In compliance with the State of Louisiana regulation
LAC 83:III.2799. Appendix. A. English Language
Conducted by

Acme Environmental, Inc.
3816 Carlisle NE
Albuquerque, NM 87107
(505) 433-4461



Course Date:	05/26-28/2025	Expires On:	05/28/2026
Signature of Trainer:		Certificate Number:	05282025-01
Name of Trainer	David Chavez	Exam Date	05/28/2025



Special Waste Disposal, Inc
5904 Florence Ave. NE
Albuquerque, New Mexico 87113
Office 505.828.2650
Disposal Site: 505.847.2917

WASTE MANIFEST FOR SHIPMENT OF ASBESTOS WASTES TO SPECIAL WASTE DISPOSAL FACILITY

Located 14 Mi. So. On Highway 55

from Mountainair, New Mexico

All applicable blanks MUST BE COMPLETED, Including signatures

Part I GENERATOR

A generator must sign and keep a copy of each manifest in accordance with NMAC 20.9.8.19 and retain a hand signed copy from the designated facility that received the waste. Only hand signed copies are legal documents for generators.

Job Number: GE 25-P199 Tracking Number: EPCEB204377-021
Project Name: 1000M HILL TRUCK STOP Generator Name: Summy Assoc
Address: 3700 W TUCUMCARI BLVD Address: PO BOX 1012
City/State/Zip: TIKUMCARI NM, 88401 City/State/Zip: Weatherford TX, 76087
Telephone: _____ Telephone: 817-6834-4168

CERTIFICATION. I hereby declare that the contents of this consignment are fully and accurately described by proper shipping name and are classified, packaged, and labeled in accordance with applicable regulations, and are in all respects in proper condition for transport by highway according to applicable international and government regulations and is not a hazardous waste as defined by 40 CFR, Part 261.

Name of Authorized Agent: [Signature] Signature: [Signature] Waste Generation Date: 12/26/25

Part II CONTRACTOR

Contractor Name: Grancor Environmental
Address: 1501 24th St
City/State/Zip/Phone: Albuquerque, NM 87102

CERTIFICATION. I hereby declare that the contents of this consignment are fully and accurately described by proper shipping name and are classified, packaged, and labeled in accordance with applicable regulations, and are in all respects in proper condition for transport by highway according to applicable international and government regulations and is not a hazardous waste as defined by 40 CFR, Part 261.

Special Handling Instructions:

Grancor ACM Storage
YES ☒ **NO ☐**

Name of Authorized Agent: [Signature] Signature: [Signature]

CONTENTS

Responsible Agency: **NMED Air Quality**
1301 Siler Rd., Bldg B
Santa Fe, New Mexico 87507

Weight		Friable	
Bags	<u>1</u>	Non-Friable	
Barrels		UN2212 Pkg. Group II	
Cu. Yds.	<u>19</u>	UN2590 Pkg. Group III	

Waste Description

Plastic, window

Part III TRANSPORTER

Name of Transporter #1: Grancor Environmental Special Waste Hauler Permit No.: 0101374
Mailing Address: 1501 24th St Albuquerque NM 87102 Phone No.: _____ Truck License No.: _____
Name of Transporter #2: _____ Special Waste Hauler Permit No.: _____
Mailing Address: _____ Phone No.: _____ Truck License No.: _____

The following statement must be signed by the truck driver prior to unloading at the Special Waste Disposal Facility. "I certify that no other material has been placed in this truck since the containers described in Part I of the form were loaded."

Signature of Transporter #1: Alexis Soto Date Received: 12/26/25
Signature of Transporter #2: Alexis Soto Date Received: 01/08/26

Part IV DISPOSAL SITE

This is to certify that the Special Waste Disposal Facility, operating under NMED Solid Waste Bureau Facility ID No. SWM013035 (SP) has been approved for the disposal of asbestos waste has received the above indicated waste (except for noted discrepancies)

Discrepancy Explanation: _____
Active Area# 5 Cell # 4 Date Received: 01/08/26
Authorized Signature: [Signature]

RESPONSIBLE AGENCY
New Mexico Environment Department
Solid Waste Bureau
1190 St. Francis Drive
Santa Fe, NM 87502

WHITE: SWD PINK: NMED-Air Quality Bureau YELLOW: Transporter #2 GREEN: Transporter: #1 GOLD: Generator/Contractor
PLEASE PRESS FIRMLY

028828

PROJECT REPORT - ADDENDUM ***LEAD in WASTE Determination***



Former Tucumcari Truck Terminal
3700 W. Tucumcari Blvd.
Tucumcari , NM

Prepared by
ACME ENVIRONMENTAL, INC
3816 CARLISLE NE
ALBUQUERQUE, NM

Project Report

December 22, 2025

Subject: Lead TCLP Survey
Project Location: Tucumcari Truck Terminal
Acme Project #: 25-188

To Whom It May Concern:

Acme Environmental, Inc. (Acme) has completed a Lead in waste determination at the Former Tucumcari Truck Stop project.

TCLP Sampling – Lead

Acme performed representative sampling of waste stream to help determine if lead painted building materials are characterized as hazardous waste.

Jerry Duran (Certified EPA Lead Inspector) conducted the survey

Summary

TCLP Survey – Lead

Results of the Toxicity Characteristic Leaching Procedure (TCLP) shows building material waste **is not** characterized as hazardous waste. Acme collected three different representative samples from the designated waste stream.

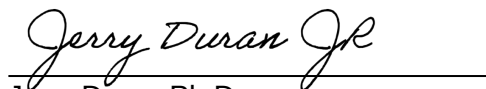
Sample 001 Small Shell Station 0.0187 mg/L and is not characterized as hazardous waste

Sample 002 From Travel Center 1.01mg/L and is not characterized as hazardous waste

Sample 003 From Entire Property 1.03mg/L and is not characterized as hazardous waste

Please contact our office at (505) 433-4461 if any additional information is required.

Respectfully,
Acme Environmental, Inc.



Jerry Duran Ph.D.
EPA Certified Lead Inspector
Acme Environmental, Inc



TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

Identifying Information

Acme Environmental, Inc. (Acme) has completed the TCLP assessment of previously identified lead-containing wall tile, floor tile and paint at the former Tucumcari Truck terminal. Specifically, All Lead-Painted lower walls on shell station. Inside the travel center 5000 sq ft, orange lead glazed floor tile, ceramic walls tile orange and white approx. 2500 sq ft. Metal painted door jams, and 3000 sq ft drywall painted on with lead-based paint. And finally the yellow painted protective bollards around fuel stalls.

NOTE: Ceramic Tile was split between sample 001 and 002

NOTE: The Lead-Based Glaze 2" White Tile is found in all bathrooms of the travel center

NOTE: 12" Orange based glazed tile is found in common rooms in travel center

NOTE: 2" Orange tile Lead Based Glaze on is found in restaurant counter wall

SCHEDULED WORK

Acme was contracted to act as the Qualified Industrial Hygienist to conduct assessments of the waste stream for Lead by TCLP.

The Toxicity Characteristic Leaching Procedure (TCLP) shows building material waste is not characterized as hazardous waste.

ENVIRONMENTAL RESULTS AND ANALYSES

The sample results reported are considered below the hazardous waste determination threshold of 5.0 mg/L. During disposal of the materials, all materials removed from the site may be disposed of at a landfill permitted to accept normal construction debris.



RECOMMENDATIONS AND EXECUTIVE SUMMARY

As previously noted, contractors should be made aware of the findings in this inspection. No additional actions are required.

Project Report Limitations

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard-of-care exercised by environmental consultants performing similar work in the project area. Variations in site conditions may exist and conditions not observed or described in this report may be encountered during subsequent activities.

Acme's opinions and recommendations regarding environmental conditions, as presented in this report, are based on visual inspection and limited sampling only. The samples collected and used for testing, and the observations made are believed to be representative of the area(s) evaluated. It should be understood that the conditions of a site could change with time as a result of activities at the subject site or nearby sites.

This report is intended exclusively for use by the clients. Any use or reuse of the findings, conclusions, and/or recommendations of this report by parties other than the client is undertaken at said parties' sole risk.

January 08, 2026

Jerry Duran
Acme Environmental
3816 Carlisle Blvd. NE
Albuquerque, NM 87107

Re: **3700 W. TUCUMCARI BLVD**

Date Received: **12/27/2025**

Work Order: **HN2519497**

Dear Jerry,

Enclosed are the results of the sample(s) submitted to our laboratory.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Dale Schipper

/S/ DALE SCHIPPER

Project Manager



Client: Acme Environmental
Project: 3700 W. TUCUMCARI BLVD

Work Order: HN2519497
Date Received: 27-Dec-2025

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt

3 soil/solid samples were received for analysis at ALS Environmental on 27-Dec-2025. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

SAMPLE DETECTION SUMMARY

This form includes only detections above the limits as presented.

For a full listing of sample results, continue to the Sample Results section of this Report.



CLIENT ID: 001

Lab ID: HN2519497-001

Analyte	Results	Flag	MDL	MRL	Units	Method
Lead	0.0187	J	0.0130	0.0495	mg/L	EPA 6010D

SAMPLE SUMMARY



Client: Acme Environmental
Project: 3700 W. TUCUMCARI BLVD
Workorder: HN2519497

Laboratory Sample ID	Client Sample ID	Sample Matrix	Collection Date	Date Received
HN2519497-001	001	SOIL/SOLID	12/23/25 11:00	12/27/25 10:00
HN2519497-002	002	SOIL/SOLID	12/23/25 11:00	12/27/25 10:00
HN2519497-003	003	SOIL/SOLID	12/23/25 11:00	12/27/25 10:00

REPORT QUALIFIERS AND DEFINITIONS

*	Value exceeds Regulatory Limit (if MCL displayed)
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte is present at an estimated concentration between the MDL and Report Limit
NC	Not Calculated
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
V	The Continuing Calibration Verification was outside of control criteria
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

Holland Laboratory Certifications¹

Agency	Type	ID	Issued	Expires
Alabama	Drinking Water (Secondary)	42500	12/17/2024	12/31/2025
Colorado	UST		07/01/2025	06/30/2026
Connecticut	Drinking Water (Secondary)	PH-0155	12/10/2024	12/31/2026
Florida	NELAP (Primary)	E871106	07/01/2025	06/30/2026
Illinois	NELAP (Secondary)	200076	11/14/2024	12/31/2025
Indiana	Drinking Water (Secondary)	C-MI-08	12/31/2024	09/04/2026
Iowa	State Specific	403	09/01/2025	09/01/2027
Kansas	NELAP (Secondary)	E-10411	08/01/2025	07/31/2026
Kentucky	Waste Water	KY98004	12/20/2024	12/31/2025
Kentucky	UST	120474	07/07/2025	06/30/2026
Michigan	Drinking Water (Primary)	0022	12/19/2023	09/04/2026
Minnesota	NELAP (Secondary)	026-999-449	12/17/2024	12/31/2025
Missouri	Drinking Water (Secondary)	01262	11/14/2024	12/30/2027
New Jersey	NELAP (Secondary)	MI015	07/01/2025	6/30/2026
New York	NELAP (Secondary)	12128	04/01/2025	04/01/2026
North Dakota	State Specific	R-192	11/18/2024	06/30/2025
Ohio	Drinking Water (Secondary)	87783	06/26/2025	6/30/2026
Pennsylvania	NELAP (Secondary)	68-03827	11/25/2025	07/31/2026
Texas	NELAP (Secondary)	T104704494	02/12/2025	01/31/2026
USDA	Domestic CA	Soil-MI-007	02/06/2025	08/07/2026
USDA	Soil Import	525-23-62-77572	03/03/2023	03/03/2026
West Virginia	State Specific	355	06/07/2025	08/31/2026
Wisconsin	State Specific	399084510	08/08/2025	08/31/2026

¹ - Scope available upon request

Analytical Report



Client: Acme Environmental
Project: 3700 W. TUCUMCARI BLVD
Matrix: SOIL/SOLID

Work Order: HN2519497
Date Collected: 12/23/25 11:00
Date Received: 12/27/25 10:00

CLIENT ID: 001	Lab ID: HN2519497-001
----------------	-----------------------

Analyte	Method	Results	Qual	Units	MDL	MRL	Dilution Factor	Date Analyzed	Date Extracted
TCLP Metals									
Lead	EPA 6010D	0.0187	J	mg/L	0.0130	0.0495	1	01/07/26 13:20	01/07/26 10:01

Analytical Report



Client: Acme Environmental
Project: 3700 W. TUCUMCARI BLVD
Matrix: SOIL/SOLID

Work Order: HN2519497
Date Collected: 12/23/25 11:00
Date Received: 12/27/25 10:00

CLIENT ID: 002 **Lab ID: HN2519497-002**

Analyte	Method	Results	Qual	Units	MDL	MRL	Dilution Factor	Date Analyzed	Date Extracted
TCLP Metals									
Lead	EPA 6010D	<0.0130	U	mg/L	0.0130	0.0495	1	01/07/26 13:34	01/07/26 10:10

Analytical Report



Client: Acme Environmental
Project: 3700 W. TUCUMCARI BLVD
Matrix: SOIL/SOLID

Work Order: HN2519497
Date Collected: 12/23/25 11:00
Date Received: 12/27/25 10:00

CLIENT ID: 003	Lab ID: HN2519497-003
-----------------------	------------------------------

Analyte	Method	Results	Qual	Units	MDL	MRL	Dilution Factor	Date Analyzed	Date Extracted
TCLP Metals									
Lead	EPA 6010D	<0.0130	U	mg/L	0.0130	0.0495	1	01/07/26 13:49	01/07/26 10:10

QA/QC Report



Client: Acme Environmental
Project: 3700 W. TUCUMCARI BLVD
Matrix: SOIL/SOLID
QC Lot: 2407917

Work Order: HN2519497
Date Collected: NA
Date Received: NA
Run ID: 3806802

TCLP Metals

MB	CLIENT ID: Method Blank	Lab ID: QC-2407917-001
-----------	--------------------------------	-------------------------------

Method: EPA 6010D **Dilution:** 1 **Analysis Date:** 01/07/26 13:14
Prep Date: 01/07/26 10:02

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Lead	<0.0130	mg/L	0.0130	0.0495							U

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2407917-002
------------	---	-------------------------------

Method: EPA 6010D **Dilution:** 1 **Analysis Date:** 01/07/26 13:17
Prep Date: 01/07/26 10:02

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Lead	1.04	mg/L	0.0130	0.0495	1		104	80-120			

MS	CLIENT ID: 001	Lab ID: QC-2407917-004
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Method: EPA 6010D **Dilution:** 1 **Analysis Date:** 01/07/26 13:23
Prep Date: 01/07/26 10:02

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Lead	1.03	mg/L	0.0130	0.0495	1	0.0187	101	75-125			

MSD	CLIENT ID: 001	Lab ID: QC-2407917-005
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Method: EPA 6010D **Dilution:** 1 **Analysis Date:** 01/07/26 13:26
Prep Date: 01/07/26 10:02

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Lead	1.03	mg/L	0.0130	0.0495	1	0.0187	101	75-125	0.236	20	

The following samples were analyzed in this batch: HN2519497-001, HN2519497-002, HN2519497-003

QA/QC Report



Client: Acme Environmental
Project: 3700 W. TUCUMCARI BLVD
Matrix: SOIL/SOLID
QC Lot: 2407918

Work Order: HN2519497
Date Collected: NA
Date Received: NA
Run ID: 3806802

TCLP Metals

MB	CLIENT ID: Method Blank	Lab ID: QC-2407918-001
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Method: EPA 6010D **Dilution:** 1 **Analysis Date:** 01/07/26 13:29
Prep Date: 01/07/26 10:11

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Lead	<0.0130	mg/L	0.0130	0.0495							U

LCS	CLIENT ID: Laboratory Control Sample	Lab ID: QC-2407918-002
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Method: EPA 6010D **Dilution:** 1 **Analysis Date:** 01/07/26 13:32
Prep Date: 01/07/26 10:11

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Lead	1.05	mg/L	0.0130	0.0495	1		105	80-120			

MS	CLIENT ID: 002	Lab ID: QC-2407918-004
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Method: EPA 6010D **Dilution:** 1 **Analysis Date:** 01/07/26 13:37
Prep Date: 01/07/26 10:11

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Lead	1.01	mg/L	0.0130	0.0495	1	<0.0130	99.8	75-125			

MSD	CLIENT ID: 002	Lab ID: QC-2407918-005
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Method: EPA 6010D **Dilution:** 1 **Analysis Date:** 01/07/26 13:46
Prep Date: 01/07/26 10:11

Analyte	Result	Units	MDL	MRL	Spike Amount	Spike Ref. Amount	% Rec	% Rec Limits	RPD	RPD Limit	Qual
Lead	1.01	mg/L	0.0130	0.0495	1	<0.0130	99.8	75-125	0.0436	20	

The following samples were analyzed in this batch: HN2519497-001, HN2519497-002, HN2519497-003

ANALYST SUMMARY



Client: Acme Environmental
Project: 3700 W. TUCUMCARI BLVD

Work Order: HN2519497

Sample Name:	001	Date Collected:	12/23/25
Laboratory Code:	HN2519497-001	Date Received:	12/27/25
Sample Matrix:	SOIL/SOLID		

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 6010D	EPA 3015A	001-AC	2407917	Chloe Patrick	3806802	Amber Luke

Sample Name:	002	Date Collected:	12/23/25
Laboratory Code:	HN2519497-002	Date Received:	12/27/25
Sample Matrix:	SOIL/SOLID		

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 6010D	EPA 3015A	002-AC	2407918	Chloe Patrick	3806802	Amber Luke

Sample Name:	003	Date Collected:	12/23/25
Laboratory Code:	HN2519497-003	Date Received:	12/27/25
Sample Matrix:	SOIL/SOLID		

Analysis Method	Preparation Method	Container ID	Preparation Lot	Prepared By	Analysis Lot	Analyzed By
EPA 6010D	EPA 3015A	003-AC	2407918	Chloe Patrick	3806802	Amber Luke

[For lab use only]



ANALYTICAL REQUEST FORM

1. ☒ REGULAR Status

☐ RUSH Status Requested - ADDITIONAL CHARGE
RESULTS REQUIRED BY _____ DATE _____

CONTACT ALS SALT LAKE PRIOR TO SENDING SAMPLES

2. Date 12/23/25 Purchase Order No. _____

3. Company Name Acme Environmental

4. Quote No. _____

ALS Project Manager Stella Hannis

4. Address 3816 Carlisle Blvd

5. Sample Collection

Sampling Site 3700 W. TUCUMCARI BLVD

Person to Contact Jerry Duran

Industrial Process Sw-846

Telephone () (*915) 255-7081

Date of Collection 12/23/2025

Fax Telephone () _____

Time Collected 11:00 AM

E-mail Address Acmejduran@gmail.com

Date of Shipment 12/23/2025

Billing Address (if different from above) _____

Chain of Custody No. _____

6. How did you first learn about ALS? _____

7. REQUEST FOR ANALYSES

Laboratory Use Only	Client Sample Number	Matrix*	Sample Volume	ANALYSES REQUESTED - Use method number if known	Units**
	001	Lead Bulk	N/A	Lead TCLiP	ppm
	002	Lead Bulk	N/A	Lead TCLiP	ppm
	003	Lead Bulk	N/A	Lead TCLiP	ppm
Environmental Division Holland Work Order Reference HN2519497  Telephone : +1 616 399 6070					

* Specify: Solid sorbent tube, e.g. Charcoal; Filter type; Impinger solution; Bulk sample; Blood; Urine; Tissue; Soil; Water; Other

** 1. $\mu\text{g}/\text{sample}$ 2. mg/m^3 3. ppm 4. % 5. $\mu\text{g}/\text{m}^3$ 6. _____ (other) Please indicate one or more units in the column entitled Units**

Comments _____

Possible Contamination and/or Chemical Hazards _____

7. Chain of Custody (Optional)

Relinquished by [Signature]

Date/Time 12/23/25 2:17 PM

Received by _____

Date/Time _____

Relinquished by _____

Date/Time _____

Received by [Signature]

Date/Time 12-22-25 1000 19.0



ALS Holland
3352 128th Ave., Holland MI 49424

ALS Holland Sample Receiving Checklist

Received by:

Date/Time:

Carrier Name:

Shipping container/cooler in good condition?

Custody seals intact on shipping container/cooler?

Custody seals intact on sample bottles?

Chain of Custody present?

COC signed when relinquished and received?

COC agrees with sample labels?

Samples in proper container/bottle?

Sample containers intact?

Sufficient sample volume for indicated test?

All samples received within holding time?

Container/Temp Blank temperature in compliance?

Temperature(s) (°C):

Thermometer(s):

Sample(s) received on ice?

Matrix/Matrices:

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage:

Water – VOA vials have zero headspace?

Water – pH acceptable upon receipt?

pH strip lot #: _____ < 2 _____ > 12 _____ Other _____

pH adjusted (note adjustments below)?

pH adjusted by:

Login Notes:

SD
12-27-25 1000
Yes / No / Not Present

Yes / No / Not Present

Yes / No / Not Present

Yes / No

Yes / No

Yes / No

Yes / No

Yes / No

Yes / No

Yes / No

Yes / No
19.9/17.0
246

Yes / No
SD/1-6

12-27-25
Yes / No / No Vials

Yes / No / N/A

Yes / No / N/A



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Denver, Colorado 80221
United States of America

Certificate of Achievement

This certificate is awarded to:

Jerry A. Duran Jr.

1022 18th St NW, Albuquerque, NM 87104

Has successfully completed the required training hours and satisfactorily passed
the examination for the initial course entitled:

Lead-Based Paint Inspector

For the purpose of accreditation under the Residential Lead-based Paint Hazard Reduction
Act of 1992 (Title X), and other standards developed by the EPA pursuant to Title IV of TSCA.

Course Date(s): October 20 - 22, 2025
Examination Date: October 22, 2025

Expiration Date: October 22, 2028
Course Hours: 24.0

Interim Expiration Date: 6 Months From Examination Date



Verify Credential

Danaya N. Wilson

CEO & Training Program Manager

Credential License ID:
163932782



Michael A. Benedetto

Instructor

Certificate No.:
I25-0136-LI-CO



Renew Credential