MONITORING AND CONTRACTOR OBSERVATION DURING ASBESTOS RELATED WORK

Rogers Elementary School HVAC Project

September 13, 2021

Prepared For:

Santa Monica-Malibu Unified School District
2828 West 4th Street
Santa Monica, CA 90405

NV5 – Alta Environmental
3777 Long Beach Blvd, Annex Building
Long Beach, CA 90807
Phone: 562.495.5777

PROJECT NUMBER: SMSD-21-10235

TABLE OF CONTENTS

Appendices

Acronyms

ACM	Asbestos-Containing Material
ACCM	Asbestos-Containing Construction Material
LBP	Lead-Based Paint
LCP	Lead-Containing Paint
PCB	Polychlorinated Biphenyl
PLM	Phase Light Microscopy
XRF	X-ray Fluorescence
HVAC	Heating, Air Conditioning, and Ventilation
CAC	Certified Asbestos Consultant
Cal/OSHA	California Occupational Safety and Health
CDPH	California Department of Public Health
AHERA	Asbestos Hazard Emergency Response Act
ASHARA	Asbestos School Hazard Abatement Reauthorization Act
USEPA	United States Environmental Protection Agency
NVLAP	National Voluntary Laboratory Accreditation Program
HUD	Housing and Urban Development
CFR	Code of Federal Regulations
CCR	California Code of Regulations
SCAQMD	South Coast Air Quality Management District
TTLC	Total Threshold Limit Concentration
STLC	Soluble Threshold Limits Concentration
TCLP	Toxicity Characteristic Leaching Procedure

Definitions

Accessible when referring to ACM means that the material is subject to disturbance by school building occupants or custodial or maintenance personnel in the course of their normal activities.

Accredited or accreditation when referring to a person or laboratory means that such person or laboratory is accredited in accordance with section 206 of Title II of the Toxic Substances Control Act.

Air erosion means the passage of air over friable ACBM which may result in the release of asbestos fibers.

Asbestos means the asbestiform varieties of: Chrysotile (serpentine); crocidolite (riebeckite); amosite (cummingtonitegrunerite); anthophyllite; tremolite; and actinolite.

Asbestos-containing material (ACM) when referring to school buildings means any material or product which contains more than 1 percent asbestos.

Asbestos-containing construction material (ACM) when referring to school buildings means any material or product which contains more than one/tenth of 1 percent asbestos.

Asbestos-containing building material (ACBM) means surfacing ACM, thermal system insulation ACM, or miscellaneous ACM that is found in or on interior structural members or other parts of a school building.

Asbestos debris means pieces of ACBM that can be identified by color, texture, or composition, or means dust, if the dust is determined by an accredited inspector to be ACM.

Damaged friable miscellaneous *ACM* means friable miscellaneous ACM which has deteriorated or sustained physical injury such that the internal structure (cohesion) of the material is inadequate or, if applicable, which has delaminated such that its bond to the substrate (adhesion) is inadequate or which for any other reason lacks fiber cohesion or adhesion qualities. Such damage or deterioration may be illustrated by the separation of ACM into layers; separation of ACM from the substrate; flaking, blistering, or crumbling of the ACM surface; water damage; significant or repeated water stains, scrapes, gouges, mars or other signs of physical injury on the ACM. Asbestos debris originating from the ACBM in question may also indicate damage.

Damaged friable surfacing *ACM* means friable surfacing ACM which has deteriorated or sustained physical injury such that the internal structure (cohesion) of the material is inadequate or which has delaminated such that its bond to the substrate (adhesion) is inadequate, or which, for any other reason, lacks fiber cohesion or adhesion qualities. Such damage or deterioration may be illustrated by the separation of ACM into layers; separation of ACM from the substrate; flaking, blistering, or crumbling of the ACM surface; water damage; significant or repeated water stains, scrapes, gouges, mars or other signs of physical injury on the ACM. Asbestos debris originating from the ACBM in question may also indicate damage.

Damaged or significantly damaged thermal system insulation ACM means thermal system insulation ACM on pipes, boilers, tanks, ducts, and other thermal system insulation equipment where the insulation has lost its structural integrity, or its covering, in whole or in part, is crushed, water stained, gouged, punctured, missing, or not intact such that it is not able to contain fibers. Damage may be further illustrated by occasional punctures, gouges or other signs of physical injury to ACM; occasional water damage on the protective coverings/jackets; or exposed ACM ends or joints. Asbestos debris originating from the ACBM in question may also indicate damage.

Encapsulation means the treatment of ACBM with a material that surrounds or embeds asbestos fibers in an adhesive matrix to prevent the release of fibers, as the encapsulant creates a membrane over the surface (bridging encapsulant) or penetrates the material and binds its components together (penetrating encapsulant).

Enclosure means an airtight, impermeable, permanent barrier around ACBM to prevent the release of asbestos fibers into the air.

Fiber release episode means any uncontrolled or unintentional disturbance of ACBM resulting in visible emission.

Friable when referring to material in a school building means that the material, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure, and includes previously non-friable material after such previously non-friable material becomes damaged to the extent that when dry it may be crumbled, pulverized, or reduced to powder by hand pressure.

Functional space means a room, group of rooms, or homogeneous area (including crawl spaces or the space between a dropped ceiling and the floor or roof deck above), such as classroom(s), a cafeteria, gymnasium, hallway(s), designated by a person accredited to prepare management plans, design abatement projects, or conduct response actions.

High-efficiency particulate air **(HEPA)** refers to a filtering system capable of trapping and retaining at least 99.97 percent of all monodispersed particles 0.3 □m in diameter or larger.

Homogeneous area means an area of surfacing material, thermal system insulation material, or miscellaneous material that is uniform in color and texture.

Local education agency **means (LEA):** (1) Any local educational agency as defined in section 198 of the Elementary and Secondary Education Act of 1965 (20 U.S.C. 3381). (2) The owner of any non-public, non-profit elementary, or secondary school building. (3) The governing authority of any school operated under the defense dependent's education system provided for under the Defense Dependents' Education Act of 1978 (20 U.S.C. 921, et seq.).

Miscellaneous ACM means miscellaneous material that is ACM in a school building.

Miscellaneous material means interior building material on structural components, structural members or fixtures, such as floor and ceiling tiles, and does not include surfacing material or thermal system insulation.

Non-friable means material in a school building which when dry may not be crumbled, pulverized, or reduced to powder by hand pressure.

Operations and maintenance (O & M) program means a program of work practices to maintain friable ACBM in good condition, ensure clean-up of asbestos fibers previously released, and prevent further release by minimizing and controlling friable ACBM disturbance or damage.

Potential damage means circumstances in which: (1) Friable ACBM is in an area regularly used by building occupants, including maintenance personnel, in the course of their normal activities. (2) There are indications that there is a reasonable likelihood that the material or its covering will become damaged, deteriorated, or delaminated due to factors such as changes in building use, changes in operations and maintenance practices, changes in occupancy, or recurrent damage.

Potential significant damage means circumstances in which: (1) Friable ACBM is in an area regularly used by building occupants, including maintenance personnel, in the course of their normal activities. (2) There are indications that there is a reasonable likelihood that the material or its covering will become significantly damaged, deteriorated, or delaminated due to factors such as changes in building use, changes in operations and maintenance practices, changes in occupancy, or recurrent damage. (3) The material is subject to major or continuing disturbance, due to factors including, but not limited to, accessibility or, under certain circumstances, vibration or air erosion.

Preventive measures means actions taken to reduce disturbance of ACBM or otherwise eliminate the reasonable likelihood of the material's becoming damaged or significantly damaged.

Removal means the taking out or the stripping of substantially all ACBM from a damaged area, a functional space, or a homogeneous area in a school building.

Repair means returning damaged ACBM to an undamaged condition or to an intact state so as to prevent fiber release.

Response action means a method, including removal, encapsulation, enclosure, repair, operations and maintenance that protects human health and the environment from friable ACBM.

Routine maintenance area means an area, such as a boiler room or mechanical room, that is not normally frequented by students and in which maintenance employees or contract workers regularly conduct maintenance activities.

School means any elementary or secondary school as defined in section 198 of the Elementary and Secondary Education Act of 1965 (20 U.S.C. 2854).

School building means: (1) Any structure suitable for use as a classroom, including a school facility such as a laboratory, library, school eating facility, or facility used for the preparation of food. (2) Any gymnasium or other facility which is specially designed for athletic or recreational activities for an academic course in physical education. (3) Any other facility used for the instruction or housing of students or for the administration of educational or research programs. (4) Any maintenance, storage, or utility facility, including any hallway, essential to the operation of any facility described in this definition of ''school building'' under paragraphs (1), (2), or (3). (5) Any portico or covered exterior hallway or walkway. (6) Any exterior portion of a mechanical system used to condition interior space.

Significantly damaged friable miscellaneous *ACM* means damaged friable miscellaneous ACM where the damage is extensive and severe.

Significantly damaged friable surfacing *ACM* means damaged friable surfacing ACM in a functional space where the damage is extensive and severe.

State means a State, the District of Columbia, the Commonwealth of Puerto Rico, Guam, American Samoa, the Northern Marianas, the Trust Territory of the Pacific Islands, and the Virgin Islands.

Surfacing ACM means surfacing material that is ACM.

Surfacing material means material in a school building that is sprayed-on, troweled-on, or otherwise applied to surfaces, such as acoustical plaster on ceilings and fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing, or other purposes.

Thermal system insulation means material in a school building applied to pipes, fittings, boilers, breeching, tanks, ducts, or other interior structural components to prevent heat loss or gain, or water condensation, or for other purposes.

Thermal system insulation ACM means thermal system insulation that is ACM.

Vibration means the periodic motion of friable ACBM which may result in the release of asbestos fibers

1.0 INTRODUCTION

Intermittently from June 15 to July 20, 2021, Alta Environmental, LP, an NV5 company (Alta/NV5) conducted air monitoring and contractor observation during asbestos abatement activities at Rogers Elementary School in Santa Monica, CA. The site is located at 2401 14th Street, Santa Monica, CA 90405.

2.0 SCOPE OF SERVICES

2.1 ALTA MONITORING AND SAMPLING

Alta/NV5's monitoring was performed by a California Certified Site Surveillance Technician. Alta/NV5 completed the following activities during the project:

- Monitoring services during all asbestos related work
- Air sampling during the asbestos related work
- Final visual inspection and clearance testing at the completion of the asbestos related work, as needed

2.2 ASBESTOS RELATED WORK

T3 Contractors, INC., located in Riverside, California conducted the asbestos related work.

Asbestos-related work activities included the partial removal of the following asbestos-containing materials in areas affected by the project scope of work:

Various Buildings

- Exterior stucco

The contractor monitoring was performed by Randy Flores and Tom Jenkins, both California DOSH Certified Site Surveillance Technicians, and Carbany Becerril, an AHERA Building Inspector, employed by Alta/NV5.

3.0 FIELD AND ANALYTICAL METHODOLOGY

3.1 ASBESTOS FIBER CONCENTRATIONS

Asbestos air samples were collected using high volume air sampling pumps. The pump's flow rate was checked before and after each use with a calibrated precision rotometer. Air samples collected during asbestos abatement activities was analyzed in accordance with National Institute of Occupational Safety and Health (NIOSH) Method 7400 (PCM), which specifies the equipment and procedures for mounting, measuring, and counting fibers to determine airborne fiber concentrations. Air samples were analyzed on site by Alta.

4.0 MONITORING AND RESULTS

4.1 MONITORING

Alta representatives were on site during the removal work to document the work completed by the contractor.

Alta documented that the removal of specified asbestos-containing materials was completed using an appropriate containment which included critical barriers, temporary negative pressure differential and a worker decontamination facility. Asbestos containing materials removal was completed using approved procedures. Worker protection included disposable clothing and ½ face air purifying respirators equipped with HEPA P100 filters.

Alta documented that the asbestos related work was completed using approved work procedures such as critical barriers, appropriate containments, signs, and a worker decontamination facility. Worker protection included disposable clothing and ½ face air purifying respirators equipped with HEPA P100 filters

Asbestos waste generated during this project was disposed of properly at an approved waste disposal facility.

5.0 RESULTS

5.1 AIR SAMPLE RESULTS

5.1.1 Asbestos Fiber Concentrations

Asbestos perimeter air sampling was conducted by a State Certified Site Surveillance Technician. The results of the air samples collected during abatement work were reported well below 0.01 f/cc, the recommended level by the EPA for area re-occupancy following an asbestos response action.

5.2 FINAL VISUAL INSPECTION RESULTS

Before work areas were released, they were inspected by the Contractor's supervisor and Alta representatives for evidence of residual dust and debris. The work areas were found to be acceptable. No dust or debris was observed.

6.0 CONCLUSIONS AND RECOMMENDATIONS

All asbestos-containing materials that were impacted by the project scope of work were successfully removed from the areas referenced in section 2.2 in this closeout report. Refer to the asbestos and lead survey records prepared for this site for materials and locations.

Please note that asbestos-containing materials (ACM) remain on the property. Please reference asbestos and lead survey records prepared for this site regarding asbestos and/or lead containing materials prior to disturbing any building materials at the site.

7.0 ASSUMPTIONS AND LIMITATIONS

This report was prepared exclusively for use by the Santa Monica Malibu Unified School District and may not be relied upon by any other person or entity without Alta/NV5 's express written permission. The information, conclusions and recommendations described in this report apply to conditions existing at certain locations when services were performed and are intended only for the specific purposes, locations, time frames and project parameters indicated. Alta/NV5 cannot be responsible for the impact of any changes in environmental standards, practices or regulations after performance of services.

In performing our professional services, we have applied present engineering and scientific judgment and used a level of effort consistent with the current standard of practice for similar types of studies.

As applicable, Alta/NV5 has relied in good faith upon representations and information furnished by individuals with respect to operations and existing property conditions, to the extent that they have not been contradicted by data obtained from other sources. Accordingly, Alta/NV5 accepts no responsibility for any deficiencies, omissions, misrepresentations, or fraudulent acts of persons interviewed.

Alta/NV5 will not accept any liability for loss, injury claim, or damage arising directly or indirectly from any use or reliance on this report. Alta/NV5 makes no warranty, expressed or implied

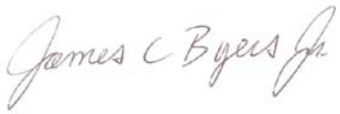
This report is issued with the understanding that the client, the property owner, or its representative is responsible for ensuring that the information, conclusions, and recommendations contained herein are brought to the attention of the appropriate regulatory agencies, as required.

If you have any questions, please do not hesitate to contact the undersigned at (562) 477-0935. We appreciate the opportunity to be of service to the Santa Monica Malibu Unified School District

8.0 SIGNATORY

Respectfully submitted by:

Alta Environmental LP, an NV5 company



James C. Byers
Senior Consultant/Project Manager
Certified Asbestos Consultant
Cal/OSHA Cert. #06-4122
CDPH I/A #LRC-00001746

Appendix A

Abatement Work Plan

WILL ROGERS ES

2401 14th Street
Santa Monica, CA 90405

ASBESTOS WORK PLAN

OWNER:
SANTA MONICA - MALIBU UNIFIED SCHOOL DISTRICT
1651 Sixteenth Street
Santa Monica, CA 90404

GENERAL CONTRACTOR:
Scorpio Enterprises
12556 McCann Drive
Santa Fe Springs, CA 90670

PREPARED BY:
T3 CONTRACTORS CORP.
17130 VAN BUREN BLVD., #53
RIVERSIDE, CA 92504
PH: (951) 977-8370

ASBESTOS WORK PLAN

PREPARED BY:
T3 CONTRACTORS, INC.
17130 VAN BUREN BLVD., #53
RIVERSIDE, CA 92504
PH: (951)977-8370

ASBESTOS ABATEMENT STADARDS & PROCDURES

Policy Statement

It shall be the policy of T3 CONTRACTORS to exceed the requirements set forth in federal, state and local statutes and regulations, where it is both practicable and desirable to do so, as a means of reducing exposure to airborne asbestos fibers.

It shall be the policy of T3 CONTRACTORS to minimize exposure to airborne asbestos primarily by applying engineering controls (such as wet methods, continuous bagging, local exhaust, ventilation and isolation/containment) to each asbestos abatement procedure. Personal protective equipment shall be issued only as an additional safeguard, providing protection above and beyond what can be achieved through engineering controls, and never in lieu of such controls.

It shall be the policy of T3 CONTRACTORS to consistently contribute to development of innovative approaches to asbestos abatement and to the refinement of asbestos abatement techniques. Furthermore, it shall be the policy of T3 CONTRACTORS to work with clients, consultants, project manager, abatement supervisors, and workers to design and fashion new equipment, and to customize an abatement program to fit the specific conditions that prevail in a given work area.

All T3 CONTRACTORS workers shall comply at all times with the company's directives as promulgated in this document and in the work specifications of the particular abatement project. Workers knowingly in noncompliance with these directives shall be disciplined and/or terminated.

All T3 CONTRACTORS workers shall comply at all times with all federal, state and local regulations pertaining to asbestos handling. Workers knowingly in noncompliance with these regulations shall be disciplined and/or terminated.

Set-up and Isolation Controls

Warning signs shall be placed at each entrance to the work area. Reusable metal signs or disposable cardboard signs can be used. Signs shall inform the reader that breathing asbestos dust may cause serious bodily harm. Signs shall also conform to the sign specifications of OSHA Asbestos Standard 1926.58, section k.

Any heating, ventilating and air conditioning system (HVAC) shall be shut down and isolated to prevent movement of asbestos dust throughout the building or the surrounding environment. To avoid inadvertent activation of the HVAC system while removal operations are in progress, the control panel shall be tagged (advising personnel not to activate) and locked whenever possible. It may be necessary to disconnect power to systems (if switching is not available) or put sheet metal caps on ducts that are connected to a lager system which cannot be shut down for more than a brief period.

All vents and air ducts inside the work area shall be covered and sealed with two layers of 6 mil polyethylene and polyvinyl tape. Also, an above-ceiling space may often serve as return air plenum to other parts of the building or other floors; hence, these return systems may also need to be isolated.

All penetration points such as electrical conduits, pipe chasing, baseboards, light switches, electrical outlets, thermostats and other fixtures shall be sealed with foam and/or tape. The key to successful isolation lies in reducing the number of open penetration points.

HVAC filters which may be contaminated with asbestos dust shall be removed and disposed of in the same manner as the other asbestos-containing materials.

Workers wearing half-face mask respirators with high efficiency particulate air filter (HEPA) cartridges and disposable clothing shall remove all non-stationary items that can feasibly be taken out the work area. This shall prevent potential contamination of the items and facilitate the removal process. Before storing the items outside the work area, they shall be cleaned with a HEPA filtered vacuum and/or we-wiped to remove any asbestos-containing dust. Any carpet shall be disposed of as asbestos-containing waste after an enclosure is established.

Items not being removed from the work area, such as large pieces of machinery, water fountains, toilets, etc., shall be wet-wiped or HEPA vacuumed and wrapped in place with 2 or 4 mil polyethylene and sealed with tape or covered with polyethylene and then taped. Windows should be criticaled and sealed with 2 layers of 6-mil polyethylene and duct tape.

Six mil polyethylene shall be used to cover the floor in the work area. Several sheets may be seamed together with spray adhesive and duct tape. After joining the sheets of polyethylene together, the floor covering shall be cut to the proper dimensions, allowing the polyethylene to extend up the wall all the way around the room. The polyethylene shall be flush with the walls at each corner to prevent damage by foot traffic. When the first layer of polyethylene has been secured in place, a second layer shall be installed with the seams of the first and second layers offset. The second layer of polyethylene shall extend a minimum of six inches above the first layer on the wall and secured.

After the floors and stationary objects have been covered with polyethylene, two layers of 4 mil polyethylene shall be used to cover the walls. The lighter weight 4 mil shall be used because it is easier to hang and keep in place than the heavier 6 mil. The sheets of 4 mil polyethylene shall be hung from the top of the wall and shall be long enough to overlap the floor sheets. The vertical sheets shall be overlapped and seam-sealed with adhesive tape. The sheets shall be hung using a combination of nails and furring strips (small wood blocks) or spray adhesive and staples, and sealed with poly tape. (NOTE: Adhesive tape alone will not support the weight of the polyethylene after exposure to the high humidity which often occurs inside the work area).

The electrical supply shall have a ground fault and/or ground fault circuit interruption system. All electrical lines in the work area shall be insulated and guarded from employee contact and any other conductive object.

Light fixtures may have to be removed or detached and suspended to gain access to asbestos-containing material. Light fixtures and bulbs shall be wet wiped thoroughly before they are removed from the area. If it is no feasible to remove the light fixtures, they shall be wet wiped, then draped with plastic or completely enclosed.

Nonessential personnel shall not be permitted to enter the work area. An on-site log shall be maintained for recording who enters and exits the work area.

All equipment that is introduced into the work area should be wrapped in protective plastic sheeting or taped so as to minimize the time required for decontamination.

Construction of Decontamination Unit

The decontamination station shall be designed to allow passage to and from the work area during the removal operations. The unit shall consist of a clean room, a shower room, and an equipment room separated by double overlapping curtains, overlapping rows of heavy gauge plastic strips (butcher flaps), and/or separate air locks. Decontamination chambers shall be located immediately adjacent to the work area wherever possible. A clean core area shall be constructed using canopy scaffolding and fire retardant polyethylene. Plexiglas portholes shall be installed where feasible to allow observation of work practices. A small negative air machine shall be used to re-circulate clean room air as needed.

If decontamination facilities cannot be located immediately adjacent to the work area, a centralized shower shall be located at a convenient access point (on the deck of a ship, for example, on a stairway landing or immediately outside a building), as described in the non-mandatory appendix F to 29 CFR 1926.58. According to the OSHA guidelines:

- In the rare instances when there is not enough space to permit any hygiene facilities to be built at the work site, employees should be directed to change into a clean disposable work-suit immediately after exiting the enclosure (without removing their respirators) and to proceed immediately to the shower. Alternatively, employees could be directed to vacuum their disposable coveralls with a HEPA filtered vacuum before proceeding to a shower located a distance from the enclosure.

Materials used to construct a unit may include 2-inch by 4-inch, fire-retardant lumber or PVC tubing for the frame, ¼ inch to ½ inch fire retardant plywood or 6 mil polyethylene for the walls, tape, staples and nails. The floor shall be covered with two or three layers of 6 mil polyethylene. The decontamination unit may be built in sections to allow for disassembly and re-use at another area of the building. The design of the decontamination station will vary with each work area depending on the size of the crew, size of equipment which might have to be removed and the physical constraints imposed by the facility.

Workers shall follow egress procedures as described below:

- **Equipment Room:**
  This is a contaminated area where equipment, boots or shoes, hard hats, goggles and any additional contaminated work clothes are stored. Workers shall place disposable clothing such as coveralls, booties and hoods in asbestos waste bags or bins before leaving the area for the shower room. Respirators shall be worn until after workers enter the shower and clean them with water. The equipment room may require cleanup regularly during a work shift to prevent asbestos material from being tracked into the shower and clean rooms.
- **Shower Room:**
  Workers shall pass through the shower room on their way to the removal area, and use the showers on their way out after leaving contaminated clothing in the equipment room. Shower waste-water shall be collected and filtered before disposal into the sanitary sewer. The disposal method shall conform to all Federal and State regulations.
- **Clean Room:**

No asbestos-contaminated items shall enter this room. Workers shall use this area to suit-up, store street clothes, and don respiratory protection on their way to the work area, and to dress in clean clothes after showering.

Construction of Equipment and Waste Load-Out Unit

A separate decontamination unit shall be built to transfer equipment and waste from the work area.

The construction of the equipment and waste load-out unit shall follow the same or similar procedures as the entrance/exit decontamination unit.

Entry/exit for equipment and exit for waste shall follow all decontamination procedures.

Activation of Negative Air Pressure Systems

High efficiency particulate air (HEPA) filtration systems (negative air pressure equipment) shall be equipped with filtration equipment in compliance with ANSI Z9.2-79. No air movement system or air filtering equipment shall discharge unfiltered air outside the work area.

All exhausted air shall be filtered and discharged whenever feasible outside the building away from any air intake devices. An obvious negative pressure shall be visible.

Negative air-pressure systems shall set-up in a manner to maintain a constant negative pressure and proved the required 4-12 air changes within the enclosure.

In the event of a "system" failure, all removal operations shall cease, and procedures necessary to re-start the "down" system shall be taken immediately. Back up air filtration systems shall be made available.

Negative air-pressure system vents or ducts leading to the outside shall be sealed airtight.

Once activated, negative air-pressure shall be maintained 24 hours a day until the work area receives final decontamination clearance.

Putting Protective Clothing On

Protective clothing is put on in the clean room of the decontamination unit before entering the work area. T3 CONTRACTORS personnel shall adhere to the following sequence:

- All street clothes, including undergarments, are removed and stored in clean, convenient bins or lockers in the clean room. The disposable coveralls are put on. The nylon swim suit can be put on underneath the coveralls. Ankles are taped to take up slack in the suits and reduce the chance of tripping. (Tape pants over foot coverings, if separate.)
- The respiratory equipment is inspected, put on, and fit checked. The hood or head covering is put on over the respirator head straps.
- Workers then pass through air locks and enter the equipment room. Deck shoes are put on (or safety shoes/boots, as required). Other protective equipment such as hard hats, gloves and safety glasses (if a half-face respirator is used) are also put on.

Once inside the work area, workers, or others, shall not be permitted to leave without going through the decontamination sequence unless it is an extreme emergency. Employees "stepping out" for a break or supervisors "stepping in" the work area to deliver a message or piece of equipment are not permitted without going through the proper decontamination sequence.

Taking Protective Clothing Off

Whenever T3 CONTRACTORS personnel leave a work area for any reason, they must go through the decontamination sequence. This sequence should include the following steps:

- All protective garments and equipment (except respirators) shall be removed in an area immediately outside the shower on the contaminated side. The area should be designed for this purpose and kept as free as practicable of asbestos-contaminated material. All disposable clothing should be placed in plastic bags inside a drum and labeled as asbestos-containing waste.

The worker should then clean reusable protective equipment such as boots/shoes, safety glasses, hard hats, etc.

The worker proceeds to the shower, still wearing the respirator. While showering, the person should try to keep the respirator cartridges dry. Wipe clean the cartridges with towel wipes after showering. The cartridges can be reused.

The worker can then proceed to the clean room, dry off, dress in street clothes, and disinfect, clean and inspect the respirator.

Entry and Exit Procedures

All T3 CONTRACTORS workers must enter and exit the work area through the decontamination chambers. In the outer area, the changing room, workers will remove their street clothing and store it safely.

The worker's respirator shall always be put on first and taken off last. Full-body disposable coveralls, hoods, gloves and boots can only be put on after the respirator has been properly strapped on and quickly self fit-tested by the worker. Access to the worksite is through the shower room and equipment room. Boots, gloves, and other contaminated equipment are stored and put on in the equipment room. The equipment room must be considered contaminated although it should be maintained as clean as possible.

Before leaving the work area, all personnel shall remove visible asbestos-containing material from their suits and respirators by wet-wiping and/or with HEPA vacuum cleaners. This is best done in pairs. Special attention shall be paid to decontamination of boots and disposable foot coverings. Personnel then proceed to the equipment room where they remove all of their disposable clothing, but not their respirators. Clothing is sealed in appropriately labeled waste bags.

Personnel should then enter the shower room where they thoroughly wet clean their body, hair, and fingernails as well as the outside of the respirators. Paper towels are used to dry off with, but should be disposed of in a plastic bag. The respirator can be taken off once inside the clean area and the airlock between the clean area and the shower room has been resealed. Inside the clean area, the respirator is placed in a sealed, disposable bag for subsequent decontamination, and street clothes can be worn.

Under no circumstance shall any worker eat, drink, smoke or use chewing gum or tobacco in the work area. All eating and drinking shall be restricted to a clean location visited only after established decontamination procedures have been followed.

Removal Techniques for Friable Asbestos Fireproofing Material

Wetting the ACM:

- Prior to the removal process, the friable material shall be saturated with a low pressure spray of amended water. The amended water shall be 50% Polyethylene Ether and 50% Polyoxyethylene Ether at a concentration of 1 ounce per 5 gallons of water or equivalent.

Application Procedures:

- The material should be sprayed in a criss-cross pattern with a light coat of the amended water to initially wet the surface (mist), and then a saturation coat is applied. Repeated wetting may be necessary to achieve and maintain saturation. The material should be wetted using a low pressure pump system or airless sprayer to prevent fiber disturbance preceding the removal process. A hand pump Hudson sprayer can be used for small projects.

Timing:

- Time should be allotted between spraying with amended water and removal to provide for maximum penetration into the material. If the time frame allows, the material should be thoroughly saturated with amended water then the removal starts.

Gross Removal:

- Removal of fireproofing material is carried out in two stages – gross and secondary removal. Gross removal is typically conducted with three or four men working from a mobile scaffold with guard-rails remove the friable material with scrapers. Wide blades can be used if the material comes off easily. Workers of approximately the same height should be paired together on the scaffold. Whenever possible, the friable material should not be allowed to fall great height to the ground. This is to minimize additional fiber release.

Packaging ACM:

- One or two workers on the ground package the moist material in 6 mil poly bags or plastic-lined fiber drums before it has time to dry out. Rubber dust pans or snow shovels should be used to prevent inadvertent tears in the poly flooring barriers. Brooms are not recommended.

Coordination Between Teams:

- The crew that bags the material also re-positions the scaffold as needed and locks the wheels after each move. If several crews are removing material, it may be necessary and more efficient to designate a “spray” person who walks from one area to the next area keeping the material on the ceiling and the floor wet and misting the air to minimize the airborne fiber concentrations. The spray person can also check for damage to the containment barriers and promptly repair them.

Removing ACM from the Work Area:

- Bags containing the waste material are processed for waste load out. Bags are cleaned by wet-wiping, and placing in another "clean" bag, or depositing into fiber drums. After proper packaging the waste should be removed from the work area at least by the of the work day.

Secondary Removal:

- After removing as much of the sprayed-on material as possible with scrapers the workers should begin secondary removal. Depending on the type of substrate (materials surrounding the friable fireproofing), various techniques and tools may be required. Different types of ceiling construction to which friable fireproofing materials may be adhered to include concrete, 3 coat plaster system, suspended metal lath, concrete and steel beams, metal deck, corrugated steel, steel beam or bar joist. The surface substrate may be smooth, rough or pitted and will affect the difficulty of secondary removal.

Detailing:

- Typically a combination of brushing and wet wiping is used to remove the remaining residue. Nylon bristled brushes should be used instead of wire brushes which may break the small asbestos fiber into smaller fibers.
- The rags or sponges used for wet wiping should not leave any fabric fibers on the substrate which might be mistaken as visual contamination. Always wipe in one direction. Sponges and rags should not be reused for subsequent wet wiping.

HEPA Vacuuming:

- High efficiency particulate air vacuum cleaners are also useful for removing "hard-to-get-to" residue (but only in combination with a thorough wet wiping).

Cleaning the Wall Barriers:

- While crews are working from scaffolds or ladders to remove the remaining residue from the ceilings, workers should also be cleaning material off the polyethylene wall barriers and any stationary objects in the area. Sponges, wet rags or squeegee are good for this purpose. (Material should be kept wet.) Detailing is finished when all visual contamination is removed from the substrate. The next phase is final cleanup.

Liquid Elastomers:

- Strip coatings (spray poly) may be an effective means of removing asbestos residues from cinder blocks, bricks, motor, plaster and other fixed porous surfaces. A liquid elastomer should be applied after both layers of plastic (but not the critical barriers) have been removed.

<u>Glovebag Removal Techniques for Friable Asbestos Materials</u>

Small Scale/Short Duration Repair/Removal:

- When a single glovebag is used to perform a small scale/short duration repair as defined by 29 CFR 1926.58, secondary containment is not required. Full enclosure and as "competent person" are also not required. However, prior to removal, polyethylene sheeting shall be placed under the asbestos materials.

Maintenance Activities Other Than Small Scale/Short Duration:

- When more than one glovebag is used to perform as asbestos removal operation secondary containment shall be established. A critical barrier shall be erected; all penetration points shall be sealed with vinyl

tape, foam or other sealing materials. Polyethylene sheeting shall be laid on the floor directly underneath the removal area. Air filtration devices (AFD's) sufficient to create a negative pressure differential between the work area and the rest of the building shall be installed and operated for the duration of the abatement procedure.

- The glovebag shall be mounted around the pipe and, after placing the required tools inside the interior pouch, shall be sealed airtight with staples and 2" duct or polyvinyl tape. Ensure the adequacy of the glovebag seal by using the smoke tube method.
- A spray wand inserted into the glovebag shall be used to saturate the glovebag environment and the asbestos-containing material insulation using amended water. For fitting removal, several applications of amended water may be required to thoroughly saturate the material.
- Use a flex-saw, razor, axle knife or equivalent to cut the insulation attached to the pipe surface. During this process, a second person may be required to keep areas being cut thoroughly saturated with amended water spray. Where possible, locate a seam in the material or gauze wrapping. Some material may be removed without performing further cutting than a section isolation. This is preferred and the material can be "rolled" off the pipe or handpicked from the fitting. Asbestos should be removed in pieces as large as possible.
- For detailing and decontaminating, "stripped" surfaces shall be saturated and then nylon brushes or rags shall be used to clean the piping. Close cleaning attention must be made for the pipe fitting and threads. The glovebag interior should then be washed down. All tools shall be thoroughly washed and place into one cleaned gloved hand. The gloved hand with the tools shall be pulled out and tied off with a firm twist and then taped. The glovebag should again be washed down; assuring all debris is in the bottom of the bag. Squeeze and twist off the bag to form a containment isolation area at the bottom. Firmly seal the separation with poly tape.
- The top portion of the bag shall be collapsed with an inserted HEPA vacuum. Tools shall be cut at the taped section from the gloved arm and placed into a bucket of water for final cleaning. A disposal bag shall be slipped over the glovebag still mounted on the pipe. Re-evacuate and leave the vacuum running while removing the bag from the piping. Remove the vacuum hose and seal the bag into the disposable bag.
- An approved encapsulant shall be applied with sponges or sprayer to the exposed surfaces. Use a wet cloth or an approved equivalent, covered with heavy mastic or bridging encapsulant to seal the ends.

Removal Techniques for Insulation for Boilers and Tanks

There is a wide variation in the types of asbestos-containing insulation used on boiler and tanks. Boilers and tanks may be insulated with asbestos "blankest" on wire lath, preformed block, or the chalky magnesia mixture which is typically covered with a finishing cement. Different approaches are required for removing these asbestos-containing materials then sprayed on or toweled on ceiling insulation, but the same protective measures are used. Careful handling and packaging are required in many cases because of the metal jackets, bands, or wire associated with the insulation materials.

Because insulation on boilers and tanks often contains 70% asbestos and areas where these materials are being removed are often confined, high airborne fiber concentrations may occur. Also, these materials are more difficult to saturate with water and they often contain amosite, which is not controlled as well with water as other types of asbestos. For these reasons, T3 CONTRACTORS shall use Type C airline respirators or powered air purifying respirators (PAPR) whenever feasible for this type of work.

Removal of insulation from tanks or boilers shall be accomplished by two-person teams. The material is misted and cuts or slits are made in the insulation material. Then a spray nozzle is inserted and the material is wetted to the extent feasible under low pressure. One man cuts away the insulation and bags it while the other continuously sprays the material with amended water. Any metal band or wire that is removed should be folded or rolled and placed in polyethylene to avoid lacerating personnel. Metal should be placed in a separate container so as not to break through sealed double-bags during disposal.

After the gross material is removed, nylon brushes shall be used to thoroughly clean tanks or boilers. Particular care must be taken to clean the fittings, joints and valves where a cement-plaster type material has been removed. After brushing, the surfaces shall be wet wiped and the final cleanup phase shall commence.

Steam or Hot Water distribution networks should be shut down, if at all possible, when insulation is being removed. If these systems must stay on line, special consideration must be given to heat stress by workers and measures to avoid skin burns. Steam can also cause fibers to become airborne.

Special permission from the NESHAPS coordinator to work dry on hot lines may be required. The use of water or solutions may shatter the pipes and injure workers.

When airline respirators are being used by workers, care must be taken not to let the airlines come into contact with hot pipes which might burn a hole in the rubber line. When airlines are worn by persons working from scaffolds, care must be taken not to wrap the airlines around objects on the ground or the scaffold. See section on type C respirators (in Respiratory Protection Section) which addresses safety considerations

Removal Techniques for Non-Friable Asbestos Materials

Prior to removal and as required, the asbestos shall be sprayed with an encapsulant to prevent any emission or airborne fibers caused by the removal process.

All removal shall be performed wet. Amended water or equivalent shall be used to saturate the surfaces of the non-friable material.

Removal methods that will not make the asbestos material friable shall be employed whenever possible. Drilling, sawing and ripping of non-friable materials shall not be permitted unless special wetting equipment is used. Materials shall be removed in intact sections or components whenever possible and carefully lowered to the floor.

Insulation Repair

Most insulation repair can usually be accomplished without the need for extensive isolation of the work area. However, T3 CONTRACTORS shall institute the following to ensure that neither the individual doing the repair nor the other building occupants are exposed to elevated levels of asbestos.

- **Isolation of Area:**
  Although complete isolation controls (decontamination chambers, etc.) are not usually necessary, all non-protected persons shall be evacuated from the room or area. Warning signs should be posted at the entrance to the work area. Nearby ventilation ducts should be turned off or sealed up.

- **Personal Protective Equipment:**
  Disposable full body coveralls shall be worn over shorts or a bathing suit. At a minimum, a half-mask respirator with HEPA cartridges shall be worn.

- **Initial Wetting:**
  Damaged portions of insulation should be thoroughly misted with amended water using a hand or Hudson-type sprayer. Debris on surfaces should be very lightly misted.

- **Surface Pre-cleaning:**
  Surfaces underneath damaged insulation (floor, ducts, etc.) should be cleaned up first. Thoroughly vacuum those surfaces with an HEPA equipped vacuum cleaner. Pick up and dispose of loose chunks of insulation as asbestos waste. After vacuuming, wet wipe contaminated surfaces to remove remaining debris.

- **Cover Floor:**
  The cleared floor or other surface under the lagging to be repaired shall be covered with sheets of 6 mil plastic sheeting. This sheeting will contain any loose asbestos generated during the repair process.

- **Surface Repair:**
  A coat of penetrating type encapsulant should be applied to the damaged area of the lagging. If possible, allow this to partially dry before proceeding. For large "wounds", it may be necessary to fill the void with non-asbestos insulators' mud. Finally, lagging cloth soaked in lagging mastic is applied over and around the repair.

- **Marking:**
  All non-asbestos repairs should be marked to prevent confusion during future surveys. Spray paint or some type of seal mark should be applied directly over the repair.

- **Completing the Job:**
  At the completion of the job, the disposable coveralls, plastic, and anything possibly contaminated with asbestos shall be disposed of as asbestos waste. The person performing the repair work shall wash thoroughly and shower as soon as possible.

Encapsulation

Encapsulation is considered a temporary solution for asbestos abatement. T3 CONTRACTORS shall only perform encapsulation when 1) ACM is inaccessible or impractical to remove, 2) ACM thickness is one inch or less, and 3) where ACM has enough integral strength or integrity not to be knocked loose by spraying or fall out as a result of the added weight of the encapsulant. (The difficulty of making a determination of this third point is one of the reasons why T3 CONTRACTORS does not recommend encapsulation frequently).

T3 CONTRACTORS shall, however, use encapsulation as a follow-up after asbestos has been removed from pipes or ceiling surfaces. This is called "lock-down" and is done to seal in any invisible surface fibers which may remain after the removal.

- The improper selection of an encapsulant may cause the ACM to be knocked loose by its application, to crumble or to deteriorate later. T3 CONTRACTORS shall test the material compatibility with the encapsulant by reading manufacturer's specifications and spraying a small (4' X 4') area. Compatibility is determined by visual inspection, core sampling and abrasion – impact testing.
- Whenever feasible, T3 CONTRACTORS shall use dyes or colorants to indicate application completeness and amount. However, it is important to note that dyes often do not penetrate as well as encapsulants and are often not accurate measures of depth of penetration.
- The work area set-up shall be the same as for gross removal, including setting up, isolation, decontamination unit and in many cases, negative pressure.
- Special attention to floor covering is required because of the potential for floor damage by the liquid encapsulant.
- T3 CONTRACTORS workers shall protect themselves from the irritating ingredients of the encapsulant. Some encapsulants contain solvents, which may cause skin or eye irritation or inhalation hazard. Workers should wear rubber gloves and eye protection during spraying. Vaseline or other lubricants can be applied to the face to allow for easier removal of encapsulant should it get on the face. Air purifying respirators should be equipped with combination HEPA/organic vapor cartridges for encapsulants which contain solvents or other respiratory hazards.
- Prior to applying the encapsulant, loose or hanging ACM shall be removed by standard wet removal (apply water only to ACM to be removed.) If the material to be encapsulated is very friable, a light mist of encapsulant should be applied with a spray wand from a low pressure sprayer to settle the surface fibers just before the main application. Make a second, heavier pass with the spray wand at right angles to the first. Wait approximately 30 minutes, and then check for penetration by taking a core sample. The encapsulation is done when penetration to the substrate is complete and when the material reaches saturation point (droplets start to form on the final coat). If penetration is not complete, apply additional coats. These coats should be added before the prior application has "set up" and dried.
- The number of passes will depend on the type of material and its thickness. The rate of absorbency is highest during the first coat. Making passes at 90 degrees to each other will maximize the application thoroughness. Generally, low application pressure is advisable to avoid disturbing the surface of ACM and to get good coverage and/or penetration.
- Bridging the agents and sealer shall be applied to the specified mil thickness required (refer to manufacture's specifications).
- When applying encapsulant after a removal has taken place, a light coat shall be sprayed where ACM was removed and on surrounding surfaces. In the case of pipes, the encapsulant can be hand wiped with a rag on areas where ACM was removed.
- All equipment shall be immediately flushed out after the application. Wands and tips of sprayers must be thoroughly cleaned to prevent future clogging. All excess encapsulant must be immediately cleaned off of floor surface. Cleaning following spraying in each work area will be easier than cleanup with the encapsulant dried on the equipment, floor, etc.

Enclosure

Enclosure of asbestos is not normally recommended by T3 CONTRACTORS as a preferable method of handling a potentially hazardous exposure situation. On occasion, however, it may be the chosen method. In performing enclosure of asbestos-containing material, the area must first be thoroughly evaluated. If the asbestos is badly deteriorated, T3 CONTRACTORS will not recommend enclosure. If the area requires periodic maintenance or

has HVAC lines running through, T3 CONTRACTORS will also not recommend enclosure. Once enclosure is built, no one should be able to enter the area.

- The work area shall have secondary containment to capture any asbestos fibers that may be dislodged during the enclosure process. Set-up should be the same or similar as for gross removal operations, including setting up isolation, decontamination units, and in many cases, negative pressure. The floors should be covered with polyethylene.
- A hard, impervious surface shall be used to enclose the asbestos material. Plywood or gypsum board are common materials used. While building the enclosure, one must ensure that, as much as possible, the asbestos is not disturbed. The enclosure should be secured to the building structure around the asbestos material. Fasteners such as nails or staples should not touch or penetrate the asbestos material.
- Once the enclosure has been built, all joints and seams must be filled with an expanding sealant product to completely seal the asbestos from other areas of the building.
- T3 CONTRACTORS shall perform a final inspection to check that the asbestos is completely inaccessible from outside the enclosure. Joints and seams should be inspected to ensure that any material that becomes dislodged cannot fall or filter through checks, and that air currents do aspirate fibers out of the enclosure. Smoke tube testing can determine this aspect.
- After the final inspection, the area below the enclosure shall be wet-wiped and/or HEPA vacuumed for possible contamination. Clearance sample should be taken before the tear down of the barriers.

Preparation of Asbestos-Containing Waste

All asbestos-containing waste shall be wetted prior to placement into disposal bags. This may be accomplished by having a water supply available in any area in which abatement work is taking place (i.e., a hose). As the asbestos-containing material is being removed, the material should be kept as damp as possible via a low pressure water stream (mist). By ensuring this, the chances of airborne asbestos fiber generation are significantly reduced.

T3 CONTRACTORS shall always use 6 mil polyethylene disposable bags. The bags should be air-tight and puncture resistant. Also, these bags should be labeled with the OSHA required statement:

DANGER
Contains Asbestos Fibers
Avoid Creating Dust
Cancer and Lung Disease Hazard
Breathing Airborne Asbestos. Tremolite,
Anthophylite or actinolite Fibers is
Hazardous to your Health

RQ HAZARDOUS WASTE
SOLID, NOS,
ORM-E, NA-9188
(ASBESTOS)

Bagging the waste should be done as the removal progresses, as covered in "Removal Techniques for Friable Asbestos" section. All T3 CONTRACTORS workers bagging waste shall adhere to the following guidelines:

- Asbestos-containing waste must be handled in a careful manner to keep airborne fiber generation minimal.
- Some materials should not be included in the bags (i.e., metal, sharp objects). In order to avoid bag overloading and possible bursting, each bag should be considered "full" when it is half filled, (since material saturated with water will be much heavier).
- Waste-containing bags should be sealed with duct tape. All excess air is squeezed out of bags before they are sealed (to conserve space). Do not squeeze bags when there are visible loose fibers present; mist first. Use the HEPA vacuum system to collapse bags.
- Make sure that the asbestos warning label on each bag is legible, so that no bags will be disposed of mistakenly.

Once the asbestos containing waste is securely enclosed inside the bag, the waste is transported to the waste load-out area for decontamination. The waste bags shall be hosed down, wet wiped, and/or HEPA vacuumed clean. The bags should then be placed in second clean disposal bags or fiberboard drums with locking rims. These drums should be labeled in the same manner as the bags.

The outside of the drums can also be lined with a plastic bag to facilitate contamination control. The most efficient method is to place 4 or 5 bags in each drum.

T3 CONTRACTORS waste hauling vehicles shall be lined with 6 mil plastic. In order to contain any leakage which might occur during transport, the lining should cover both the walls and the floor with all seams lapped and sealed.

Transport of Asbestos Wastes from the Job Site

Asbestos wastes shall be contained at the minimum in 6 mil polyethylene bags at the job site.

Asbestos wastes shall be transported from the job site in enclosed compartments of vehicles registered by the State of California as hazardous waste transport vehicles.

Asbestos wastes shall be transported by a certified hazardous waste hauler to an authorized disposal site in accordance with regulatory requirements of NESHAPS, DOHS and applicable local ordinances.

T3 CONTRACTORS shall retain copies of all dump receipts, trip tickets, transportation manifests, or other documentation of disposal.

After each off-loading of asbestos wastes, the vehicle cargo area shall be decontaminated using HEPA vacuums and/or wet wiping techniques to comply with the OSHA "no visible residue" and EPA "no visible emission" criteria.

Decontamination of Work Area

During gross removal, T3 CONTRACTORS workers shall bag material soon after it is removed, while the asbestos is still damp. Materials shall be collected from the floor with shovels, squeegees, plastic dust pans, or other appropriate tools and placed in 6 mil labeled bags for disposal.

Final decontamination shall commence after all visible asbestos-containing material has been removed from the substrate and the substrate has been brushed and wet wiped.

First phase cleanup shall be the removal of gross contamination which may have splattered or collected on the polyethylene wall coverings. The plastic sheeting shall be lightly misted to minimize the release of airborne fibers. The sheeting shall be gently detached and folded inward to form a compact bundle which can be packaged in a 6 mil bag for disposal. Any visible debris which may have leaked to the second layer of sheeting shall be removed with a HEPA vacuum and/or wet wiped.

Second phase cleanup shall be the removal of gross contamination from equipment in the work area. Cleaning of the exterior surfaces of negative air filtration units, scaffolding, ladders, extension cords, hoses and other equipment shall be accomplished using a combination of scraping, brushing, HEPA vacuuming and/or wet wiping. At this time, change-out filters that need replacement on vacuums and negative air filtration units shall occur.

Third phase cleanup shall be the removal of the top layer sheeting covering the floor. The sheeting shall be gently detached and folded inward to form a compact bundle which can be packaged in a 6 mil bag for disposal. Any visible debris which may have leaked to the second layer of sheeting shall be removed with a HEPA vacuum and/or wet wiped.

Next, the walls are wet wiped and floors are mopped. T3 CONTRACTORS workers shall begin in the areas farthest away from the negative air filtration units and use amended water to wet wipe all exposed surfaces (excluding the substrate from which the asbestos material was removed). For best results, worker should use cotton rags, lint-free paper towels or sponges, which are disposed of after one use. Rinsing and reuse of towels or sponges may result in smearing asbestos fibers on the surfaces. Also, to avoid smearing of residual fibers, workers should wipe in one direction only. Paper towels should not be used to wipe down rough surfaces and should be discarded before they begin to deteriorate when used on smooth surfaces. Small “fibrous looking” residue which may be deposited on the surfaces as a result of using deteriorated paper towels could cause a problem during the final visual inspection. Wiping shall be repeated three times in order to assure a clean surface. After the walls are wet wiped, the floor is mopped with a clean mop head wetted with amended water or wiped with clean sponges. The water should be changed frequently. Waste water from the wet wiping and mopping operations is treated as asbestos-containing water and must be filtered prior to disposal through the drain system.

The T3 CONTRACTORS project manager shall arrange for a visual inspection with the building owner’s representative. The inspection shall check for visual contamination on the substrate from which the asbestos containing material has been removed, on ledges, on tops of doors, indented corners and other areas which might have trapped residual asbestos materials. T3 CONTRACTORS workers shall be directed to complete any re-cleaning if noted by a clearance inspection.

Equipment and tools shall now receive final documentation and removal from the work site. Equipment shall be wet wiped, washed off in the shower at the waste load-out area, wrapped in polyethylene, or placed in plastic bags. Tools such as scrapers, utility knives and brushes shall be placed in buckets or pans of water. Negative air filtration units shall be wiped down but remain in place and operating until clearance is given.

Sealant or encapsulant shall be sprayed onto the substrate and the remaining plastic to "lock-down" any tiny invisible residual fibers.

A pre-clearance air sample shall be performed at this point to determine the level of decontamination.

After a specified waiting period to allow airborne materials to settle, the polyethylene draped over fixtures and covering the interior walls of the work area shall be misted and carefully taken down, folded inward to form a bundle, and packaged for disposal. Wall and fixtures shall be HEPA vacuumed and/or wet wiped. Coverings on doors, windows and vents shall remain in place.

The polyethylene floor covering shall now be misted, detached and folded inward to form a compact bundle for bagging and removal. The uncovered floor shall be HEPA vacuumed and/or wet wiped.

Worksite Clearance

A final walk-through by the T3 CONTRACTORS project manager or foreman and the building owner's representative shall be performed in the decontaminated work area.

A clearance air monitoring shall be taken by the owner's representative. If the air sample results indicate that the airborne fiber concentration meets the criteria for clearance, the remaining polyethylene shall be removed from vents, fixtures, outlets and windows.

After final clearance, the decontamination unit shall be cleaned and dismantled. The top layer of floor and wall polyethylene in the equipment room shall have been removed at the same time as the top layer of floor poly in the work area. The remaining polyethylene on the walls shall be wet wiped and/or HEPA vacuumed, and then misted, detached and folded inward. Next the remaining layers on the floor shall be removed in the same manner and packaged with the other poly for disposal. The walls shall be visually checked for contamination and wet wiped as necessary. The decontamination unit shall then be disassembled for transport.

Introduction to Project Management

Achievement of T3 CONTRACTORS strict quality controls depends in part on effective project management. This effort involves a team of trained professionals managing a project through the project cycle. Typically, each project consists of three phases: (1) Start-up; (2) Work in progress (involving project controls and supervision); and (3) Close-out. The individual with direct control of this process is the Project Manager.

Role of Project Manager

Project management is a team effort. The team leader, the Project Manager, has overall responsibility for managing projects. Other team members involved in project operations include Foreman, Field Superintendent, Labor Superintendent and Health and Safety Inspectors.

The Project Manager's specific role and responsibilities shall include these functions:

- Organize, plan and structure the implementation of project goals
- Develop a schedule of events consistent with clients and in-house planning requirements.
- Identify, procure and control project resources (i.e. labor, materials, and equipment).

A Foreman shall be assigned to each project. The foreman shall report directly to the Project Manager. The Foreman's primary role is to direct the project's labor forces in the field and to implement job reporting requirements.

T3 CONTRACTORS internal support team provides the following services:

- Labor Superintendent assigns trained Forman and work crews for each project. The Labor Superintendent also makes sure that Foremen submit required job reports and documents to the Project Manager.
- Field Superintendent, who reports to the Labor Superintendent over sees the work effort of all Foreman. The Field Superintendent performs quality and productivity checks to make sure that the Foreman understands the job requirements and effectively organized project resources.
- Health and Safety Inspector periodically inspects the job sites at various project phases to assess work conformance to T3 CONTRACTORS standards and procedures.
- Other project support team members include Warehouse Manager, Purchasing Agent, Project Accountant and Notifications Administration.

Project Start-Up

During the project start-up phase, the Project Manager's main goal is to thoroughly understand the project work scope, contract requirements and specifications. The Project Manager shall communicate these requirements to the Forman for implementation.

The Project Manager shall be responsible for project notifications. The Project Manager shall prepare a Project Information Sheet advising the support team that a project is about to commence. The Project Information Sheet shall be given to the Notification Administrator for distribution.

- The Notification Administrator shall prepare the appropriate forms to notify the relevant government agencies as required by law.
- Generally, for projects that impact greater than 100 sq. ft. or 200 ln. ft. of asbestos containing material, the following agencies shall be notified:
  a. CALOSHA, 24 hour advance notice
  b. Local Air Quality Management District Office or appropriate area EPA delegated agency. Ten (10) working day advance notice.
  c. NESHAPS coordinator. Ten (10) working day advance notice.
- In certain municipalities the local Fire Department must also be notified
- The Notification Administrator shall distribute Project Information Sheets internally to the Health and Safety Director, Labor Superintendent and Warehouse Manager.
- Client shall be give agency notification certificate copies upon request

Prior to project commencement, the Project Manager shall prepare a schedule indicating start and completion dates of the overall project and specific work activities. The schedule shall be distributed to the Foreman, Labor Superintendent and Health and Safety Director.

- The Project Manager shall visit the job at intervals sufficient to determine that schedule commitments shall be met. Schedules should be updated weekly.
- Schedules should be made available to client's representatives to coordinate key inspections and facilitate smooth project start-up sequences.

The Project Manager shall formulate the initial labor, materials and equipment needs for each project. Project Managers should identify those materials and equipment requiring long lead time.

- The Project Manager shall inform the Labor Superintendent of crew size required and shall indicate if "EPA – competent persons" are required.
- The Project Manager shall advise Health and Safety personnel and the Warehouse Manager of special respiratory (i.e. Type C, PAPR) and monitoring (i.e. negative pressure equipment recorder, sampling pumps) equipment requirements it insure its availability and arrival at the jobsite on a timely basis.

Project Controls

In conjunction with the coordinating efforts of the Health and Safety Inspectors and Field Superintendent, the Project Manager shall insure conformity to T3 CONTRACTORS standards and procedures.

- The Project Manager shall advise the Foreman of potential pitfalls and specification interpretations. The Project Manager should have relevant plans specifications and work scope descriptions on the job site for the Foreman's reference.
- The Foreman shall report all changes in on-site conditions, work scope and building operating procedures to the Project Manager and await the appropriate authorization to proceed. Additionally the Project Manager shall keep abreast of the work progress to identify such contract deviations. The Project Manager shall facilitate the appropriate solution, response and authorization prior to proceeding with such extra work.
- The Project Manager shall resolve with appropriate client's representative conflicts in interpretation of job specifications or requirements. These discussions and/or decisions shall be documented in writing and signed by the client's representative.
- The Project Manager shall coordinate internet health and safety inspections.
- The Project Manager shall schedule Health and Safety to conduct a pre-start safety meeting and job site review. The Project Manager shall provide sufficient advance warning to allow Health and Safety appropriate time to schedule meeting and inspections.
- The Project Manager shall be responsible for maintaining appropriate job site records and its final distribution.
- The Project Manager shall follow-up and correct all deficiencies indicated on the Health and Safety inspection reports. Chronic safety problems exhibited by work crews shall be reported to the Labor Superintendent for corrective actions.

Project Close-Out

As part of the final containment tear down and clean up procedures, the Project Manager and Foreman shall walk through the job site and identify all material and equipment to be decontaminated and otherwise prepared for pick-up by T3 CONTRACTORS warehousemen.

The Project Manager shall arrange and conduct a preliminary job site walk-through with the client's representative to identify work deficiencies and damages. The Project Manager shall record these items and prepare a punch list. This punch list shall be distributed to the Foreman for implementation. Upon completion of the punch list, a final job site walk through shall be conducted to review specific punch list items. It should be agreed upon by the client's representative that the job is complete.

The Project Manager shall be responsible for determining that all pertinent job documents are distributed and filed as legal records.

The Project Manager shall review and evaluate the Foreman's performance after each project. This report shall be submitted to the Labor Superintendent for further review and action.

Requirements for Record-Keeping and Documentation

T3 CONTRACTORS requires that the Project Manager maintain and/or post a variety of records and documents for the duration of the project and after the completion of the project. Most of the record-keeping involves work-site documentation of on-going abatement procedures and regulatory standards (Federal, State & Local). Most of these records will be filed and updated by the Project Manager in the project log book. However, there are documents that may not be included in the log book. These need to be displayed at the job site. Others should be kept in the office job files.

As a general practice, the project manager should arrange to provide every item of the pre-qualification submittal package on-site or have them readily available for inspection by regulatory inspectors or building owner representatives. At a minimum, however, the documents described in the following section should be available for inspection at every abatement site.

Work-Site Documents and Records

CALOSHA Carcinogen Registration Form 183:

- This form provides information required by Title 8, California Administrative Code, Section 5208, e.g.: how the hazardous material is to be handled and moved; how many employees are involved at the work site; name and address of employees bargaining representative(s); etc. This must be posted in a conspicuous place at the worksite. T3 CONTRACTORS carcinogen user registration number is #3198.

Uniform Hazardous Waste Manifest, DHS 8022 A (1/87); EPA 8700-22:

- This form is required by the California State Department of Health Services (DOHS) and must be completed and signed by the hazardous waste generator (typically the building owner) as well as the hauler of the hazardous material prior to transporting the material on public roads.

South Coast Air Quality Management District (SCAQMD) Asbestos Demolition/Renovation Reporting and Inspection Form:

- This form must be completed and submitted to SCAQMD or the local APCD prior to engaging in removal or renovation work that involves 100 sq. ft. or 200 ln. ft. of friable material.
- A copy of this form must also be mailed to the USEPA Region IX, Asbestos NESHAP's Coordinator, Air Management Division, 215 Fremont St., San Francisco, CA 94105.
- A copy of this form (with the T3 CONTRACTORS carcinogen user # typed in the upper right hand corner) must also be mailed to the local CALOSHA office.
- A copy of this form must be posted at the work site near the entrance to the work area.

Certificate of Registration for Asbestos-Related Work Certificate, California Administrative Code, Title 8, Article 2.5:

- The annual CALOSHA registration must be posted at job site. Indicates that T3 CONTRACTORS has compiled with relevant occupational safety and health regulations for asbestos-related work. T3 CONTRACTORS registration number is #1029.

Entry and Exit Log:
- A record of all personnel who enter and exit the contained area.

Job Inspection Report:
- A record of inspections for the integrity of containment, the cleanliness of work area, the effectiveness of removal work, etc.

Filter Log:
- A record of primary, secondary and HEPA filter changes for the negative air filtration units at the job site. Indicates the on-going condition of filtration units and the regular maintenance of clean filters.

Emergency Procedures:
- Posted and maintained at job sites, emergency information sheets show police, fire and ambulance emergency phone numbers and basic emergency evacuation procedures.

Injury & Illness Prevention Manual:
- Maintained on jobsite.

<u>Records for Office Job Files</u>

Hazardous Waste Hauler Registration:
- Certifies that the contractor is registered to haul hazardous waste in the State of California.

Certificate of Worker's Compensation Insurance:
- Certifies that contractor has a valid Worker's Compensation Insurance policy.

Occupational Incident Report & State of California Employee's Report of Occupational Injury or Illness:
- Both of these forms must be completed in the event of an injury or occupational illness. Each form provides a record with detailed information about the accident or illness. These reports must be filed within five (5) days when the injury or accident results in lost time beyond the day of injury, or requires medical treatment other than first aid.

CALOSHA Log and Summary of Occupational Injuries and Illnesses – CALOSHA No. 200 or Federal OSHA Form 200:
- This log is a record of occupational death, injury and illness. Employers with a work force of ten (10) or more personnel are required to keep the log. Cases to be recorded include those which require medical treatment (other than first-aid); loss recorded include those which require medical treatment (other than first-aid); loss of consciousness; restriction of work or motion; or transfer to another job. The summary of the previous calendar year shall be posted no later than February 1. The log is to be kept for 5 years following the year for which the summary.

Material Sample Log Sheet, Laboratory Analysis Report and Material Log:

- These records provide information about location of the sample, the sample asbestos content and a collective record of all material samples for the project

Air Sample Data Sheet, Laboratory Analysis Report and Air Sample Log:

- These documents provide records of air sampling information, e.g. sample location, duration of sample, volume of the sample and the results. A master list is a useful summary record for a project which involves frequent sampling.

Qualitative Respirator Fit Test:

- A record of on-going fit testing conducted at the job site. This documents information about the frequency of fit testing during the project.

Qualitative/Quantitative Fit Testing and Issuance of Respirator:

- This record provides the documentation requires by OSHA 1910, fitting and issuance of respirators.

Training Records for all Personnel Working on the Asbestos Project:

- OSHA and EPA regulations require that all abatement personnel receive training about the properties of asbestos; the health hazards; abatement methods and engineering controls; respiratory protection, etc. Certificates for training and training documents, which describe the topics included and dates of training kept and regularly updated as per the applicable regulatory requirements.

Safety Training Meeting Log Sheets:

- These records document the on-going, on-site safety training, the topics and the dates of the meetings.

Medical Monitoring Records:

- The medical records required by OSHA for all abatement personnel on file, and retained for thirty years after termination of employment. A medical questionnaire (respiratory) must also be retained in archives. A physician's written opinion (exam results are confidential, and kept by the examining physician). Record of annual examination shall be filed and stored at the same period of time.

Objective Data for Exempted Material: 29 CFR 1926.58 (n) (l) (i)

We do not rely any objective date regarding any material which contains more than a tenth of one percent asbestos. It is a matter of policy that when any materials contain more than one-tenth of one percent asbestos it is considered to friable. Therefore, when a material meets the said definition, we require "HAZARD ASSESSMENT AIR MONITORING" & "PERSONAL AIR MONITORING" from the inception of the project through its completion.

If the removal of said material is complete and no additional asbestos material is present and personal air samples are below the "ACTION LEVEL: we may discontinue personal air monitoring. All records concerning the above policy, including but not limited to objective data, source of objective data, hazard assessment reports, personal air monitoring results, bulk sample reports, their source, analysis method and qualifications of the analyst will be retained by us for a period of not less than 30 years. All of the above stated records are available upon request by affected employees, employee delegate, Director OSHA, and the Secretary of Labor.

Transfer of Records: 29 CFR 1926.58 (n) (6) (i) (ii) & 29 CFR 1910.20 (h)

Whenever we cease doing business, and there is no successor employer to transfer all records as specified in 29 CFR 1926.58 (n) (6) (i) (ii) and 19 CFR 1910.20 (h), we will notify the Director of OSHA 90 days prior to termination of business and arrange to transfer said records upon Director's request

QUALITY CONTROL INSPECTIONS

Third Party Consultant Clearance Policy

At a minimum an independent third party Consultant is required to perform a visual inspection and final clearance air sampling on all non-residential projects. If the building owner refuses to hire a consultant to provide oversight and final clearance, T3 CONTRACTORS must hire a consultant independently. Sampling strategy and analytical methods to be employed by the consultant in such cases will be determined by the Project Manager and the Consultant, in consultation with T3 CONTRACTORS Health and Safety Department.

A residential project is defined as a single family dwelling (less than four units, and certain apartment buildings under local AQMD district regulations). A homeowner letter that emphasized the value of third party oversight, clearance air sampling and electron microscopy on all asbestos removal projects must accompany each residential contract. The homeowner shall acknowledge receipt of the homeowner letter by signing the contract.

Our insurance company will no insure any commercial, industrial or public building project that is not inspected and cleared by an independent industrial hygienist.

Quality Assurance Program

Successful asbestos abatement requires the quality control of three processes: (1) how best to protect the individuals performing the work from exposure to asbestos fibers, (2) how best to control and minimize the release of asbestos fibers during the removal process, and (3) how best to protect the outside environment and building occupants from asbestos contamination caused by the removal process. An asbestos hazard is not truly abated until a mutually agreed upon level of cleanliness has been achieved and the work area is demonstrably fit for re-occupancy. T3 CONTRACTORS ability to consistently achieve this level of cleanliness on schedule and at a reasonable cost to the building owner is, in large part, dependent on the degree of control that the company is capable of exerting on these processes.

The effectiveness of the personal protective equipment, isolation controls and work practices must be verifiable. Asbestos fibers are microscopic and easily disseminated. In order to verify that fibers have, in fact, been successfully filtered, captured, wetted, or locked-down, T3 CONTRACTORS shall utilize the skills and equipment of its Health and Safety department to monitor every T3 CONTRACTORS operation.

T3 CONTRACTORS was created by health and safety professionals. The fundamental orientation of T3 CONTRACTORS is firmly and unequivocally focused on health and safety.

Today the T3 CONTRACTORS Health and Safety Department plays a central role in the operations of the company, providing technical services in three areas: (1) On-site verification of compliance with federal, state and local regulation and with the work-specifications, (2) Implementation of employee exposure monitoring

and personal protection policy, and (3) Execution of on-going employee training, including EPA accredited worker, supervisor and project designer training courses and general safety, first aid and Project Manager training courses.

The Health and Safety Department shall provide state-of-the-art support services to the Operations staff, including (a) on-site verification of compliance with contract terms, and with federal, state and local regulation, through a program of visual inspections, specialized testing and air sampling, (b) on-site training, re-training and consulting with T3 CONTRACTORS project personnel on work practices, personal protection, equipment maintenance and decontamination, emergency procedures, and job safety, and (c) consulting with building owners, project monitors and regulatory agencies on specific health and safety concerns.

Quality Control Inspections

Quality Assurance Specialists should make a point of visiting each project to which they have been assigned as often as possible, but at least once a week. On projects that last less than five days; the Specialist must be available to visit at least once. Preferably just before final encapsulation. Many projects require frequent, daily inspections at certain phases.

There are essentially two types of inspection: unannounced inspections and pre-planned inspections. They both have great value when conducted properly. Unannounced inspections have a profound impact on field operations in that they encourage consistent compliance at all times in a variety of circumstances because a foreman never knows when an inspection may occur.

On the other hand, unannounced inspections place a burden of finding all violations on the inspector. If an inspection is announced beforehand, the foreman may spend more time finding and correcting problems in anticipation of the visit than the inspector could ever hope to detect on their own. A healthy mixture of the two is recommended.

At a minimum, however, a Quality Assurance Specialist should be prepared to conduct the following key inspections:

Pre Set-up Inspection:

- The Quality Assurance Specialist should check for pre-existing damages and pre-existing contamination prior to mobilization using baseline sampling, miro-vac samples, video, Polaroid and other forms of documentation, both inside the area and in potential sources of make-up air.

Containment Inspection:

- Performed on the shift just before bulk scrape/removal begins. The Quality Assurance Specialist should get floor plans from the Project Manager/Building Representative (for use as record of visuals completed) and make contact with the Building Representative and/or the Independent Consultant. This is the best time to review the work plan with the Project Manager and the foreman.

Documentation Generated:

- H&S Posting/Documentation Checklist
- Commercial Project Job Site Set-up Form
- Pre-start Safety Meeting

- Review work platform construction and placement, and Punch-list deficiencies
- Test AFD's for leaks, document results
- Check vacuums, temporary electrical and other equipment; verify adequate number of functioning air sample pumps and recently calibrated rotometer and Punch-list deficiencies. Smoke-test critical (especially duct work), obtain readings with portable magnahelic and document on the Punch-list.
- Calibrate strip-chart magnahelic/review with foreman; initial the strip recording
- Punch-list all other deficiencies and agreements

Progress Inspection:

- Performed at various unannounced times during a project. These inspections serve primarily as an opportunity to follow-through and verify corrective actions taken. The Quality Assurance Specialist should inspect clean areas and compare to model bays, and verify that lead-men have understood and are enforcing agreed upon standard of cleanliness.

Documents Generated:

- Progress Form
- Decking Detail Form
- Punch-list deficiencies (special focus on work practices, electrical, showers and water)

Electrical Inspection:

- Announced at least two days in advance, an electrical inspection should be performed by a qualified electrician accompanied by the Quality Assurance Specialist.
- Forewarned, the job foreman is in a position to find and correct most electrical problems in advance. Electrical inspections, therefore, consist of a series of successful equipment tests and written confirmation that temporary power has been properly used and installed on the site.

Documentation Generated:

- Punch-lists (itemize equipment tested by identification number)

Final Visuals:

- Performed once specific areas are completed and after overall final detailing has been performed. The Quality Assurance Specialist must coordinate closely with the foreman on site and with the Project Manager. The building consultant should not be invited in until the area has been passed by the Quality Assurance Specialist.

Documentation Generated:

- Commercial Detailing/Clearance Form
- Decking Detail Form
- Punch-list and Mark Deficiencies

Pre-start Inspections and Meetings

The Pre-start Inspection is normally conducted by a health and safety specialist in tandem with the project foreman/accredited supervisor, and the Project Manager if he/she is also present. A visual, physical assessment shall be made of the work area with specific reference to:

- **Safety Hazards:** live electrical lines, dangerous substrates, unsound structures and so on.
- **Emergency Procedures:** escape routes in the event of fire, safe refuge in the event of earthquake, response plans to other perceived hazards, location of fire extinguishers and the first aid kit.
- **Layout:** of the area adjacent to the decontamination chamber clean room, adequate posting of pre-bid submittal items (including list of authorized crew members, dates of medical approvals, fit-testing and training received), required notifications and permits (e.g., for temporary constructions), emergency procedures, the lay-out and organization of supplies, location of trash receptacles, adequate provision of T3 CONTRACTORS paperwork (e.g., entry/exit logbook sheets, equipment maintenance forms, air sampling forms, fit-test record forms, etc.).
- **Locations for Perimeter Air Samples:** and locations for installing incline manometers and/or strip chart magnahelics.

Pre-start Safety Meeting

Upon completion of this physical inspection (normally conducted during the unloading of equipment and supplies), the health and safety specialist shall assist the accredited supervisor conduct a Pre-start Safety Meeting. Representatives of the owner and the owner's agents along with testing and air monitoring technicians hired by the building owner are typically present at the meeting.

In addition to introduction of the designated T3 CONTRACTORS crew to the various building owner representatives, topics covered in the initial, or Pre-start Safety Meeting should include:

- Preparation of the work area, with special reference to awkward and/or crucial penetration points, measures adopted to safeguard certain fixtures or surfaces that require protection.
- Personal protective equipment to be issued and employed by the T3 CONTRACTORS crew, including respirators selected, protective clothing to be worn, and special equipment (such as goggles, hard-hats, knee pads, and so on) to be used in the work area.
- Explanation of the program of initial personal, breathing zone air monitoring program, designation of the representative individuals to be air-sampled for initial and periodic air monitoring as per 29 CFR 1926.58, assignment of job roles (decon chamber set-up, critical barrier establishment, bagging and removal/wetting teams).
- Personal decontamination procedures and measures taken to safeguard equipment inside the work area and the showers, and to facilitation of subsequent decontamination.
- Abatement methods and procedures to be applied to the work area and decontamination strategy for the work area surfaces, discussion of work plan and performance schedule.
- Waste-out procedure, identification of route to hazardous waste hauler vehicle, isolation controls to be applied, and personal protective equipment required.
- Emergency procedures; especially location of emergency phone numbers, fire exits, fire extinguishers, safe refuge during earthquake, recognizing heat stress symptoms, confined space procedures, electrical safety, ladder safety, scaffold safety, airline hose safety, information from MSDS sheets concerning irritant smoke, spray adhesives, removal agents, surfactants, encapsulants, replacement products and other products and substances present on the work site.
- Contingency plans, including steps to take in the event of power outage, differential system failure, supplied air system failure, water leakage outside the plastic sheeting but within the critical barriers, water leakage that has breached the critical barrier and penetrated into adjacent area (a) on the same floor and (b) to floors below, barrier collapse and penetration through a wall or walls.

Pre-start Fit-testing

Prior to entering the work area for the first time (either to commence the set-up or prior to entering the work area to commence the gross removal of asbestos containing material), each T3 CONTRACTORS employee shall have their individually issued respirator fit-tested and inspected by the foreman or a health and safety specialist.

- **Negative Air Purifying Half-face Masks:** fit-test with stannous chloride smoke tubes as per the protocol outlined in the Respiratory Protection Policy
- **Negative Air Purifying Full-face Masks:** When claiming a Protection Factor of 50, perform quantitative fit-testing.
- **Powered Air Purifying Respirators:** Using a flow-test, tubes confirm that air flow is adequate
- **Supplied Air Respirators Equipped with HEPA-filtered Escape Cartridges:** fit-test using a stannous chloride tube as per the protocol outlined in the Respiratory Protection Policy.

Pre-start Certification of HEPA Filtered Equipment

At least twice a year, or as required by the Project Manager or building owner representative, an T3 CONTRACTORS health and safety specialist shall challenge each HEPA-filtered air filtration device (AFD) and vacuum cleaner with a particulate (Dioctylphalate, DOP) that is detectable with portable quantitative fit-test device. The test shall be performed on site, prior to use of the equipment in the work area.

NOTE: AFD's and vacuum cleaner should be delivered to the job site in a clean and decontaminated condition, with freshly installed pre-filters and bags. Exhaust ducting that enters the work area should be capped and/or transported in waste bags.

Prior to performing a DOP-test on an AFD, the health and safety specialist shall verify the following:

- Squarness of HEPA filter
- Condition of Seals
- Proper operation of all lights
- Proper operation of automatic shut down if exhaust is blocked
- Proper operation of visible and audible alarms
- Proper operation of magnahelic gauge (indicates filter loading)

Prior to performing a DOP-test on a vacuum cleaner, the health and safety specialist shall verify the following:

- Condition of all seals
- Tightness of all latches and fasteners
- Proper operation of magnahelic (indicates filter loading)
- Squarness of HEPA filter
- Maximum allowable penetration through the unit shall be .03 DOP particles

Building Owner/Occupant Notification

At the request of the building owner, the T3 CONTRACTORS health and safety specialist shall be available to explain the abatement program to building occupants and answer questions about precautions taken and procedures employed to control the abatement process.

Phase Completion Visual Inspections

A health and safety specialist shall conduct a site inspection at the completion of each stage of an abatement project: Pre-cleaning and Set-up, Gross Removal and Waste-out, or as arranged by the Project Manager.

The site inspection shall, at a minimum consist of:

- A visual inspection of the decontamination and (if present) the waste-out chambers and all barriers and sheeting from the inside and (where possible) the outside of the work area.
- Confirmation that pressuring monitoring equipment installed on site is operating properly.
- Measurement of the pressure differential across each accessible barrier separating the work area from adjacent areas of the building. Duct-work inside and outside the work area, or the outside air with an incline manometer or magnahelic.
- Use of (Drager Air Test) smoke tubes to demonstrate movement of air through the decontamination unit, from the clean room through the shower to the equipment room and across locations in the work area where asbestos removal shall be performed (dead air should be eliminated using local exhaust, additional make up air and/or additional negative air machines).
- Use of a Velometer (Kurz Meter) to measure the air velocity inside each AFD exhaust duct, at a point downstream from any kinks in the duct (eleven diameters away from the AFD, if possible, subsequent measurements shall be at least 30 cubic feet per minute).
- Calculation of the air changes maintained by the AFD's in operation (adjust if less than 4 air changes per hour). (NOTE: Velometer can also be used to measure air flow inside the decontamination chambers, which should be at least 30 cubic feet per minute).
- Confirmation that personal, breathing zone air samples are obtained as per the requirements of 29 CFR 1926.58 and/or Project Manager request.
- Calibration of air-sampling equipment on site with either a rotometer or an electronic primary standard, if available.
- Review of accumulated air sample documentation, project log entries, entry/exit log sheets, magnahelic strip chart recordings, supervisor velometer readings, fit-test records, equipment maintenance records and progress reports submitted to the building owner.
- Review personal and equipment decontamination procedures, observe exit procedures and verify that personal sample duration data are recorded properly.

If it has been at least ten days since the Pre-start Safety Meeting, the health and safety specialist shall preside over a safety meeting and fit-test session as described in that section.

Unannounced Spot-check Quality Assurance Inspections

The Health and Safety Department shall arrange to perform at least one unannounced spot-check quality assurance inspection per project. At a minimum, the unannounced spot-check shall consist of the steps described in that section, with the additional requirement that the health and safety specialist observe work practices, respirator use and personal and area air sampling.

When unannounced spot-check inspections take place at least ten days after a Phase Completion Inspection, the health and safety specialist shall conduct a safety meeting and fit-testing at the conclusion of the lunch break.

Pre-clearance Visual Inspections

Pre-clearance visual inspections are a crucial component of the T3 CONTRACTORS quality assurance program. Timed to occur at the conclusion of the detailing process, the pre-clearance visual inspection should take place before and after the lock-down process has been completed and the last plastic sheeting has been removed. However, critical barriers remain in place and all AFD's are still in continuous operation.

Pre-clearance visual inspections shall, at a minimum, consist of the following elements:

- A meticulous examination of every surface in the work area, paying special attention to all permanent fixtures, bolt threads, deck-plating seams, other irregular surfaces.
- Window and door frames, pipe chasing and electrical conduits, electrical sockets, and all horizontal surfaces such as shelves, ledges, moldings and beams.
- Use of a powerful, broad-beam flashlight, held parallel to smooth surfaces to highlight residues that escaped recovery during the detailing process.
- An inspection of all equipment that has been decontaminated prior to being handed-out of the decontamination or shower unit.
- Use of an air blower to stimulate the aggressive clearance air sampling.

Specialized Testing

On-site inspections often require that the health and safety specialist perform a variety of specialized testing procedures in order to verify that isolation controls and work practices are adequate. Some of the instruments and techniques employed by the Health and Safety Department listed below:

- Air Current Smoke Tubes: T3 CONTRACTORS uses Drager air current tubes to check air flow inside the decontamination chambers, at the point of removal, and across critical barriers. Unsealed penetration points that may undermine the plastic sheeting can be identified with smoke tubes. Smoke tubes shall also be used to confirm the sealed integrity of an installed glovebag prior to removing the asbestos in contains.
- Incline Manometers: hand-held magnahelics or incline manometers are employed to obtain a spot reading of the pressure drop across a barrier. Unlike air samples, which provide information only after the fact, when properly deployed, manometers can provide diagnostic information about the degree of isolation that has been achieved inside a particular work site.
- Strip Chart magnahelics: strip chart magnahelics provide a continuous, written record of the pressure differential across a give barrier. T3 CONTRACTORS deploys a strip chart magnahelic that is calibrated such that visible and audible alarms sound if the pressure differential falls below 0.02 inches of water. When the instrument is deployed, the negative inlet is introduced through the barrier at a point directly across from the negative air machines and yet not directly adjacent to the decontamination chambers or any other primary source of make-up air, whenever possible.
- AFD Performance: Velometer/Hot Wire Anemometer Readings: Kurz Velometer devices are used to obtain velocity readings inside duct-work (or decontamination chambers). Readings are obtained from the same standard location each time, on a give site. Where possible the readings should be obtained eleven duct diameters away from the negative air machine and downstream from any beads or kinks in the duct. Insert the probe into the duct, holding it perpendicular to the wall of the duct, and twist until the needle indicates the highest value (because the exposed wire at the end of the probe is directly exposed to the flow of air). Then slowly extract the probe, reading the highest number off of the scale obtained prior to reaching the zone of turbulent flow at the point of insertion.

- AFD Magnahelic Readings: AFD's are equipped with magnahelic devices that read the pressure drop across the filters inside the unit. This instrument should be read by the project supervisor on a twice a day basis and recorded in the filter log.

Air and Bulk Sampling

Sampling and analytical methods are important tools for assessing and monitoring asbestos abatement projects. The applications of sampling and analyses may range from bulk sampling of suspect materials; to estimating airborne fiber levels before, during and after an abatement project; to checking surfaces for asbestos-containing settled dust. T3 CONTRACTORS collection of reliable data provides additional quality assurance that T3 CONTRACTORS abatement projects are being performed to the highest standards. Normally, T3 Contractors Health and Safety Department will provide sampling services as requested by Project Managers.

Air Sampling Methods

- Air Sampling is conducted to determine airborne fiber concentrations before, during and after abatement activities. Sampling is conducted with battery-powered pumps, which are used to pull low volumes of air (0.5 – 4 liters per minute) and electric pumps which pull high air volumes (4 – 16 liters per minute). A 25 mm cassette with a 50 mm extension conductive cowl is attached to the pump with flexible tubing to form a "sampling train". The cassette contains a mixed cellulose ester filter with a pore size of 0.8 microns or 1.2 microns for high volume flow rates. For TEM sampling (explained below), a polycarbonate filter with 0.4 micron pore sizes is recommended.
- Each individual sampling train is calibrated before and after each use. A rotometer (secondary standard) is normally used for field calibration. A Gilibrator is used as a primary standard by T3 CONTRACTORS Health and Safety Department for the routine calibration of sampling equipment.
- With the front cover of the cassette removed, air is drawn through the filter and particles in the air are collected on the filter surface.
- The two basic types of air sampling are area and personal monitoring. Personal samples are collected from within the breathing zone (as close to the mouth as possible) of an individual, but outside the respirator.
  a. The pump is hung from a belt (or disposable tape) around the worker's waist and the filter holder is attached, pointing downward, to the worker's lapel or collar. Samples are run at a flow rate between 0.5 – 2.5 liters per minute. Monitoring should be done for the entire work shift (or at least 80% of the work shift where there is potential asbestos exposure) to calculate the 8-hour Time Weighted Average (TWA).
- Area air samples are taken with a pump that is placed at breathing zone height at some stationary location. The top cover of the plastic filter holder is removed and the filter holder is pointed downward to prevent material from falling onto the filter. The pump is adjusted and calibrated to run at a flow-rate between 12 – 15 liters per minute. To obtain the appropriate limit of quantification, a sample volume of 2500 to 300 liter is required. The filter should be visibly inspected for overloading frequently during the sampling.
- Area samples can be collected using static or aggressive sampling techniques. Static sampling implies monitoring an area as it is without creating any additional disturbance in the air. This method is typically used during the removal phase of the abatement project. An obvious criticism of this technique for clearance sampling when no one is in the area is that the fibers that have settled out of the air are not detected. An alternative sampling technique which addresses this concern is to create an artificial disturbance in the air during sampling. Aggressive sampling can be accompanied by using electric fans, sweeping, blower, etc.

Analytical Methods

- The primary analytical techniques used for analyzing fibers collected on filters are *phase contrast microscopy* (PCM), *scanning electron microscopy* (SEM) and *transmission electron microscopy* (TEM). Bulk samples are generally analyzed by *polarized light microscopy* (PLM). Other less used techniques which may be used for analysis of bulk samples are *x-ray diffraction* (XAD), *infrared spectroscopy* (IR) and *electron microscopy*. The fibrous aerosol monitor is an instrument which can be used in the field to obtain an index of the airborne fiber levels. T3 CONTRACTORS primarily uses PCM, TEM and PLM methods for its sampling analysis.
- Phase contrast microscopy (PCM) is a technique using a light microscope equipped to provide enhanced contrast between the fibers and the background. Samples for PCM are collected on a cellulose ester membrane filter with a 0.8 micron pore size. Filters are then cleared with a chemical solution so that trapped particulate material can be viewed through the microscope at a magnification of approximately 400 times. PCM is inexpensive ($25 – 35) and can be done on the job site in a few hours.
- PCM is performed according to the NIOSH 7400 method for area samples and according to OSHA Reference Method for personal, breathing zone samples. It does not discriminate between asbestos and any other fiber that is three times longer than it is wide. PCM can only resolve fibers that are thicker than 0.25 microns in diameter. Fibers that are thinner than 0.25 microns in diameter are invisible to PCM. Most (approx. 90%) of all chrysotile asbestos fibers found in products are thinner than 0.25 microns in diameter. About 50% of the amphibole fiber found in products is thinner than 0.25 microns. Therefore, T3 CONTRACTORS shall only rely on PCM analysis to provide a general, not a comprehensive, index of asbestos fibers present.
- Transmissions electron microscopy (TEM) employs magnets to focus a beam of electrons on fibers which can then be viewed on a special TV screen. As a result, they can resolve fibers that are much thinner than 0.25 microns – all the way down to 0.0025 microns. A variety of analytical techniques, such as Select Area Electron Diffraction and Energy Dispersive X-ray Fluorescence, can then be used to identify these thin fibers as being either chrysotile or amosite or some other fiber.
- The variety of analysis provides several levels of discrimination, ranging from almost no identification, to a moderately accurate count (Yamate Level 1), to a state-of-the-art identification and count of all fibers present (Yamate Level). Sample volumes for TEM are selected in order to achieve a specific degree of analytical sensitivity (0.005 structures per cc, under AHERA). The acceptable range is 1200 – 1800 liters. TEM samples should be collected o polycarbonate filters with 0.4 microns pore sizes (there is some loss of fibers when mixed cellulose ester filters with 0.8 or 1.2 micron sizes are used).
- Polarized light microscopy (PLM) is the most commonly accepted method for analyzing bulk materials for the presence of asbestos. This method is inexpensive ($25 – 50 per sample) and can be performed in a few hours. PLM is based on optical mineralogy using a light microscope equipped with polarizing filters. Identification of asbestos fiber bundles is based on the determination of optical properties displayed when the sample is treated with various dispersion staining liquids (refraction index liquids). In addition, identification can be substantiated by morphology of the fiber and the effect on polarized light on the fiber. The reliable limit of detection for this method is about one percent asbestos. Samples of extremely fine dusts, such as brake dust, should be analyzed by electron microscopy which can detect the smaller fibers.

Air Sampling Before Abatement Begins

- Area air sampling conducted before abatement activities begin to estimate the existing airborne fiber concentrations inside and outside the building is termed prevalent level sampling. These results can be used as control data for comparing sample concentrations detected during and after the abatement project.
- Prevalent level sampling provides good data for documentation purposes. It is particularly useful when an abatement project is conducted in a portion of the building, with other areas of the building remaining

occupied. Airborne fiber levels monitored in these occupied areas during the abatement project should never exceed the indicated prevalent level in these areas before the project began. Also, the airborne fiber concentrations inside the abatement area after cleanup is completed cannot be expected to be lower than the airborne fiber levels outside the building.

Personal Sampling

- Personal sampling is conducted during a renovation or abatement project to determine employees exposure (outside any respirator) to airborne fibers. Representative, daily personal monitoring during an abatement project is required by the OSHA Asbestos Standard (29 CFR 1926.58) and T3 Contractors work policy. Moreover, every T3 CONTRACTORS worker shall have the right to know the asbestos concentrations to which they are exposed and what measures are being taken to protect them. Also, results of personal sampling shall be used to select proper respiratory protection for the abatement worker.
- Data from personal monitoring can be used as an indication of effective removal or control techniques which result in the lowest employee exposure.
- Personal samples should be collected at a flow rate of 0.5 – 2.5 liters per minute from at least 25% of the workers doing a particular job. Samples for asbestos exposure should be taken to determine the 8-hour, time-weighted concentration. Over an 8-hour period, filters may have to be changed several times to prevent overloading. Results of each sample are put into this question to obtain a time-weighted average for the total sampling period.

  $$\frac{C1T1 + C2T2 + C3T3\ldots}{T1 + T2 + T3} = \text{Time-weighted Average}$$

  C1, C2 … = Concentration of each sample
  T1, T2 … = Duration of each sample
- Typically, phase contrast microscopy is used to analyze personal samples collected during the removal project.

Area Air Sampling Inside the Work Area

- In addition to personal samples, area air samples are collected inside the work area to determine the concentrations of airborne asbestos fibers. An air sample of 1200 liters or more (without overloading) provides a crude index of the airborne fiber concentrations inside the work area. The data from these samples can be used on a relative basis to monitor work conditions from one day to the next. A radical increase in area concentrations would signal that work practices need to be adjusted.

Perimeter Area Air Sampling

- During an abatement project, samples are collected from locations outside the work area, but inside the building to determine how well asbestos fibers are being contained to the worksite. These samples are especially important in situations where unprotected people are occupying other areas of the building. Potential leakage points where sampling should be conducted include the clean side of the containment barriers separating the work area from occupied parts of the building and inside the shower and clean rooms of the decontamination unit. If the abatement project is being conducted in a multi-story building, area air samples should be collected from floors above and below the abatement activity.

Clearance Air Sampling

- Area air sampling is conducted upon conclusion of an asbestos abatement project to estimate the airborne fiber concentrations of residual fibers. The area must pass a thorough visual inspection for remaining material before final clearance sampling is initiated. If obtained properly, clearance air sample results will document that, in fact, an acceptable degree of cleanliness has been achieved inside the work area and that is now fit for re-occupancy. The following factors must be considered when performing clearance sampling:
  a. Asbestos fibers will settle and are unlikely to enter the filter cassette unless the air in the work area turbulent. Samples should be taken aggressively whenever possible (see below).
  b. Large sample volumes are required for both TEM analysis (1800 liters recommended) and PCM analysis (minimum 3000 liters).
  c. The work area must remain under negative pressure, with critical barriers in place, until the clearance results have been obtained from the laboratory.
  d. Areas must be sampled without any plastic barriers in place (with some exceptions, see below).
- Whenever possible, clearance sampling should be aggressive air samples. A fan or leaf blower should be used to direct the flow of air on all the smooth surfaces in the work area, especially the exposed substrate. In addition, a sufficient number of fans should be set up to keep air circulating through the work area for the duration of the sample.
- Aggressive air samples cannot be obtained in areas, such as dirt crawlspace or insulated attics, where particulate will quickly overload the filter. In such cases, it may be necessary to define clearance in terms of surface samples in combination with a thorough visual inspection performed by an independent monitor.
- Carpeting will also frustrate aggressive air sampling unless a sheet plastic is used to cover the carpet and fans are directed at the work surface.
- Ideally, PCM and TEM are used in combination as a two-stage process for final clearance sampling. The two types of samples can be taken concurrently, one with the 25 mm MCEF cassette and the TEM sample with the 37 mm polycarbonate filter cassette. The PCM sample is analyzed first to determine if any gross contamination remains in the work area.
- Individual sample results are subject to error and variability. One way to minimize the effects of random variability and increase accuracy in the sampling process is to take more than one sample. EPA generally recommends taking five air samples simultaneously.
- TEM analysis introduces the possibility that background levels of asbestos, present in the air outside the work area (either from contaminated areas of the building not included in the project, or from polluted outside air) may be higher than the clearance level established by contract (or by law in the case of schools). In order to control for this possibility, and thereby avoid needless re-cleaning, the EPA recommends obtaining five samples (in addition to three blanks), simultaneously, from outside the work area (not necessarily outside the building) at the same time that five air samples are obtained from inside the work area.
- The five work area samples are analyzed first. If any of the work area samples are above the clearance level, then the lab and field blanks are analyzed and an adjustment is made for the variability in the manufacturing process. If the adjusted results are still higher than the clearance level, then the five outside samples are analyzed. The results of the five outside air samples are compared statistically using a "Z" test. If the two groups of samples are found to be statistically indistinguishable, then the project has been completed. If they prove to be statistically different, and the inside air sample results are higher than the outside air sample results, then additional cleaning is required.

Air Clearance Options

- T3 CONTRACTORS generally follows one of the clearance air sampling protocol outlined below. The option of choice is selected by the building owner or the owner's designated representative. T3 CONTRACTORS recommends independent sampling and analysis. T3 CONTRACTORS also recommends that all abatement work that involves more than 160 sq. ft. or 260 ln. ft. of asbestos-containing material should define clearance in terms of air samples obtained and analyzed as per the AHERA protocol (40 CFR 763, subpart E, section 763.90),
  a. Option A (PCM): a single, aggressive air sample, minimum sample volume = 3000 liters. The result must be less than 0.01 f/cc (by NIOSH 7400)
  b. Option B (PCM): a single, aggressive air sample; minimum sample volume = 3000 liters. The result must be less than a 95% Upper Confidence Limit of 0.01 f/cc (by NIOSH 7400)
  c. Option C (PCM): five, aggressive air samples; minimum sample volume = 3000 liters. The result of each sample must be less than 0.01 f/cc (by NIOSH 7400)
  d. Option D (TEM): a single, aggressive air sample; minimum sample volume = 1200 liters. The result must be less than 0.01 f/cc, counting only fibers longer than 5 microns (by Yamate Level 1)
  e. Option E (TEM): a single, aggressive air sample; minimum sample volume = 1200 liters. The result must be less than 0.01 f/cc, counting only fibers longer than 1 micron (by Yamate Level 1)
  f. Option F (TEM): a single, aggressive sample; minimum sample volume = 1200 liters. The result must be less than 0.01 f/cc counting of all lengths with an aspect ratio of 3:1 or more (by Yamate Level 1, 2 or 3)
  g. Option G (TEM): five aggressive air samples inside the work area, two field blanks, one lab blank, five samples taken at the same time, outside the work area; minimum sample volume = 1200 liters. The average result must be less than 0.02 structure/cc. (equivalent to 70 structures per grid opening; 4 X analytical sensitivity of 0.005 = 0.02 s/cc), counting only fibers longer than .5 microns, with an aspect ratio of 5:1 or more (by AHERA Protocol, otherwise compare with average result of outside samples with Z test to clear)

Air Sampling Terms/Monitoring Results

- OSHA has keyed restrictions to exposure above certain levels of fiber concentrations that employees may encounter in the construction industry. You should become familiar with the following terms:
  A. 0.1 f/cc PEL - Permissible Exposure Limit (8 hr. TWA)
  B. 0.1 f/cc - Action Level
  C. .01 f/cc - Clearance Level
  D. 1 f/cc - Excursion Limit (the excursion limit is measured over a 30 min. duration)
- The permissible exposure limit (PEL) establishes the exposure limits of employees to 0.2 fibers per cubic centimeter of air as an (8) hour time-weighted average (TWA). This is key to the type of respirator protection that will be required, the requirement for protective clothing and requires the employer to restrict and regulate the area. It also requires the employer to notify the employee of all test results regarding exposure in the work place. Notice is required immediately on receipt of these results. Results will be posted at the work place, or delivered individually, to each employee regardless of exposure levels found in work area; whether below, at, or above the PEL of 0.1 f/cc, or the excursion limit of 1 fiber per cc over 30 minute TWA.
- Exceeding the action level of 0.1 f/cc TWA, or the excursion limit of 1 f/cc over 30 minute TWA, requires the employer to provide medical surveillance to the employee, as outlined in appendix D of the OSHA asbestos standard. If the employee's exposure has been above the action level for 30 days per year, the examination is required within (10) days after the thirtieth day of such exposure. For employees who are to wear negative pressure respirators, medical surveillance is required prior to the use of such respirators. Personal daily monitoring is also required for employees exposed above the action level unless they are equipped with supplied air respirators.

Employee Notification of Monitoring Results

- The employer shall notify affected employees of the monitoring results that represent that employee's exposure as soon as possible following receipt of monitoring results. The employer shall notify affected employees of the results of monitoring representing the employee's exposure in writing either individually or by posting at a centrally located place that is accessible to affected employees.

Observation of Monitoring

- The employer shall provide affected employees or their designated representatives an opportunity to observe any monitoring of employee exposure to asbestos, tremolite, anthophylite or observer shall be provided with, and be required to use, such clothing and equipment and shall comply with all applicable safety and health procedures.

Air Monitoring Revisions

- Federal OSHA has recently revised standards governing occupation exposure to asbestos in both the industry and construction standard. The revised standard is amending the June 1986 standard to include an excursion limit of 1 f/cc average over a sampling period of 30 minutes. This new standard 929 CFR parts 1910 and 1926 became effective October 14, 1988.
- OSHA believes that imposing an excursion limit (EL) will further reduce the significant risk of asbestos related disease. T3 CONTRACTORS feels that the major impact to asbestos abatement contractors is that they will now be required to perform breathing zone sampling that is representative of the 30 minute short-term exposure of each employee as well as TWA exposures
- The 30 minute short-term employee exposure can be determined on the basis of one or more samples representing 30 minute exposures associated with operations that are most likely to produce exposures above the excursion limit for each shift for each job classification in each work area. Representative personal sampling for employees engaged in similar work and exposed to similar short-term asbestos levels can be achieved by measuring the exposure of that member of the exposed group who can reasonably be expected to have the highest exposure.
- T3 CONTRACTORS also feels that the introduction of the excursion limit will have a profound impact on asbestos related activities that previously required full compliance, for worker protection, only when exposures exceeded the PEL (0.1 f/cc) or the action level (0.1 f/cc).
- The excursion limit may be exceeded in a number of construction operations as well as routine maintenance and repair. New construction activities such as installing A/C pipe, sheeting, roofing felts and vinyl asbestos floor tile may expose workers above the new (EL).
- Exceeding the excursion limit will require compliance for worker protection in several areas. Exposure above the excursion level will require employers to provide the following:
  A. Institute and employee training program
  B. Establish a medical surveillance program
  C. Establish a respiratory protection program
  D. Provide protective work clothing
  E. Provide hygiene facilities and ensure proper practices
  F. Establish regulated areas, demarcate and limit access
  G. Conduct personal monitoring

Documentation of Sampling

- It is extremely important that all aspects of air monitoring procedures be thoroughly documented. It might well occur that 30-40 years from now a lawsuit may be initiated because of an asbestos abatement project performed last month. Detailed and accurate monitoring records may prove to be the saving grace for the contractor, consultant or building owner involved. Total documentation would include:
  A. All records, graphs, etc. regarding primary calibration of the sampling pumps
  B. Logs on the hours of pump use and recharging procedures
  C. The field data sheets with all pertinent sampling data

Filter Cassettes

- The current recommended NIOSH Method 7400 analysis technique utilizes a 25 mm filter cassette. The filter media actually consists of two separate parts: the filter and the pad backing. The filter is made of a cellulose ester and has an effective pore size of 0.8 microns. The backing pad is a thick, fibrous disk which helps to evenly distribute the air flow across the face of the filter. It is possible to purchase sampling cassettes from suppliers both fully assembled and ready to use, as well as unassembled. Care should be taken when assembling the cassettes yourself that you are careful to remove all of the thin, wax-paper dividers that are inserted between the filters and the pads at the factory. Failure to do so will result in an invalid sample. Filter cartridge housing to be made from a "non conductive material."
- Only 25 mm cassettes are to be used. 37 mm cassettes may be used if necessary, but only when written justification for the need accompanies the sample results in accordance with 1926.58 Appendix 'A' (ORM).

Review

- Safety checks should be made prior to implementing the use of the sampling pump. After turning on the pump, place your finger over the intake nipple and check for leaks in the intake assembly. Listen for sluggish function, indicating the batteries are bad or need recharging. Finally, check to make sure that a filter media is inside the cassette.
- Personal sampling pumps are used for compliance with OSHA regulations to determine the quality of air at the immediate breathing zone, as well as determining the overall air quality within the work area. These pumps are low volume pumps and are calibrated between 0.5 – 2.5 liters of air per minute with total volume of 480 liters minimum. A sufficient air volume for each air sample shall be collected to yield between 100 and 1300 fibers per square millimeter on the membrane filter. 480 liters of air may or may not be sufficient.
- High volume pumps are used for pre-abatement samples to determine the quality of air before the work begins. They are also used for environmental samples outside the contaminated area, during the removal process, and for post abatement samples to determine the clearance level for re-occupancy. It is suggested to calibrate these pumps at 2 to 10 liters of air per minute, to detect the much smaller fibers. A minimum volume of 1000 liters of air should be collected for the NIOSH 7400 method.

Air Sampling Instructions

- Calibration
  A. For each monitoring episode, each pump must be calibrated with a rotometer. Set up sampling train (pump, sampling cassette and rotometer in the above manner).
  B. At a minimum, readings must be taken before and after the monitoring episode, each time cassette is changed and each time the pump is turned off. Calibrate more frequently for long sampling periods (>6 – 8 hours).
  C. When calibrating, keep the rotometer in a level position. Read the center of the rotometer ball (not the top).

D. Be sure to record the flow readings on the Air Sample Data Sheet (ASDS) after Calibration Results. Average the readings (see calculations). Also record the pump and rotometer ID numbers.

Personal Sampling

- Personal sampling is initiated at the beginning of the work shift and lasts until the end of the shift. Ideally, we want monitoring to last the entire work shift so that we can calculate the full "8-hour time-weighted average" exposure of an employee. Monitor each activity and choose employees on a rotating basis. Such activities include actual removal of asbestos containing material, bagging wet material, decontamination of surfaces and encapsulation. Record the activity in the comments section of the ASDS.
- If asbestos or dust levels are expected to be heavy, conduct multiple samples for the work shift (i.e.: one cassette for morning work, new cassette for afternoon work). Periodically look inside the cassette and check for any discoloration on the filter paper that can signal an overload cassette. If discoloration is noted, the cassette will be sealed and a new cassette will be attached to the pump. Re-calibrate the pump with the new cassette and continue monitoring for the remainder of the work shift.
- Strap pump on waist with filter cassette attached to collar with open face pointing down. Flow rate should be between 0.5 – 2.5 lpm. Let the pump run a few minutes ensuring that the monitor is running properly before workers enter the area.
- Record employee's full name, social security number, actual start time, stop time and total sampling time for each sample on the ASDS.

Area Sampling

- Pre-abatement Sampling:
  A. Often an air sample is obtained in an area prior to the start of abatement. If pre-abatement sampling is requested by the owner, at least one sample should be obtained in each discrete area where work will be performed.
  B. Indoor samples should be taken in such a way that they are not influenced by unusual air circulation patterns. Avoid corners of the room, furnishings and other obstructions.
- During Abatement Sampling:
  A. Sample in areas with greatest activities and/or most potential for exposure. Sample at breathing zone height. Record location and type of sampling.
- Post-abatement Sampling (Clearance):
  A. Clearance (Post-abatement Sample) will be conducted in accordance with NIOSH 7400, P&CAM 239 or the TEM methodology as necessary (or requested by Certified Industrial Hygienist supervising the project. T3 CONTRACTORS uses the NIOSH 7400 protocol). Sample volumes are PCM adequate to establish a 95% reliable limit of detection less than 0.01 fibers/cc. Other release criteria can be specified by the owner.
  B. All post-abatement sampling is "Worst Case", (i.e. Aggressive samples are obtained soon after clean-up and decontamination of the area has been completed). Although there are various ways of creating conditions appropriate for aggressive clearance samples (e.g. leaf blower, etc.) T3 CONTRACTORS relies on three foot wide, freestanding fans to create the necessary turbulence. Several fans may be necessary to adequately disturb all the surface areas in the work area.
  C. Area sampling is normally done with a high volume pump at a flow rate of 12 – 16 lmp. Sample volume is typically 2000 – 3000 liters. Sample time is approximately 2 – 3 hours.

Filling in the Air Sample Date Sheet & Cassettes

- Preferably on the job sight, complete any missing information on the ASDS. Document anything happening in or around the work site that may affect the fiber count during sampling (i.e. new ceiling tiles being installed outside of decon. Record under comments). Records will be retained for 30 years; therefore all information must be complete and accurate as possible. Include job number, job name and address
- Each sample cassette is given a specific ID number. Follow this type of format each time:

  Sample ID 03068901THSM is defined as:

030689	-	is the sample date
01	-	is the first sample taken by H&S manager
THSM	-	is the H&S manager who took the sample

- Calculate and record the total sample time in minutes (see calculations).
- Calculate and record duration of sampling (see calculations).
- If atmospheric conditions vary beyond the following limits, flow rates will be corrected for rotometer error and atmospheric density effects.
  A. Barometric pressure: 730 mmHg – 790 mmHg (over 1000 ft above or below sea level).
  B. Temperature: 55 degrees – 85 degrees
- Sign and date the ASDS. Place fiber cassettes in a zip-lock plastic bag. Submit these together to the designated box in the Health and Safety Office.

Issuing and Storage

- All sampling pumps, rotometer, cassettes and chargers are stored and issued out of the Health and Safety Office. Contact the Health and Safety Manager if a pump is needed. Always return equipment after the job is completed.

Users Responsibilities

- The person who checks out the equipment is responsible for:
  A. Charging the pumps prior to use. Remember to drain the pump's battery at least once a week if the pump is issued to the job longer than one week.
  B. Ensuring that the pump is in good working condition. If you pump breaks down, do not attempt to repair it, return it to the Health and Safety Office as soon as possible. Do not leave a broken pump sitting on the job.
  C. Keep the sampling pumps clean. Protect the pumps from water damage by placing them in a plastic baggy while inside the containment. All sample pumps returned to the Health and Safety Office must be in clean condition.
  D. Calibrating pumps before and after running a sample with a rotometer.
  E. Filling out the sample data sheets properly and completely.
  F. Check all cassettes and labels. Make sure labels are readable, top and bottom plugs are in place.
  G. Submit field blank cassettes for all samples.

Troubleshooting

- If the pump breaks down during a sampling period follow these guidelines:
  A. If you are aware of the exact time the pump shut down calculate the time the sample was run. Continue sampling on another sample pump and cassette if possible.
  B. If you're not sure when the pump stopped, the sample is void and should not be calculated or turned in.
  C. If the cassette filter falls out of the cassette or is damaged in any way, the cassette cannot be analyzed and must be discarded. On the ASDS write void across the sample's information.

Calculations

- Always calculate total time in minutes:
  A. (sample time in hours) X (60 minutes) = total time in minutes
     e.g.: (7 hours) X (60 minutes) = 420 minutes
- Calculate average flow rate:
  A. (cal 1) + (cal 2) + (cal 3) + (cal 4) / # of calculations = average sample flow rate:
     e.g.: (2.0 lpm) + (2.0 lpm) + (1.8 lpm) + (1.6 lpm) / 4 = 1.85 lpm
- Calculate total sample volume:
  A. (sample time) x (sample flow rate) = total sample volume
     e.g.: (420 minutes) x (1.85 lpm) = 777 liters

Procedures for Containment Spot Removal in Occupied Buildings for the Purposes of Tenant Improvements

Weekday, week-night project where air handling units are engaged during the course of the project.

Pre-job Start:

- File insurance with Administrative Assistant – Sales/Estimating
- Asbestos Project Manager determines air sampling protocol with third party Industrial Hygienist noting all fixed air sampling locations on site plan. Copy of site plan is posted and an original is in the asbestos project file.
- Asbestos Project Manager forwards complete scope of work and schedule for asbestos work to personnel.
- Subcontractor workers file proper medical, training and respiratory fit testing records with Asbestos Project Manager. Only pre-approved workers can enter work area (under containment) and an approved list of these workers must be posted on-site.

Set-up:

- Below ceiling demolition can occur without containment or respiratory protection as long as ceiling grid is not disturbed or opened. General dust barriers should be utilized and housekeeping performed.
- Determine HVAC shut down schedule from building. HVAC must be shut down during any work in a containment area and remain shut down while working until all duct work is sealed off. If HVAC pressure is high, hard barriers may be required.
- Establish containment utilizing negative pressure and entry/exit air locks. Entry/exit air locks shall consist of one shower adjacent to a two stage equipment chamber. The shower shall be utilized during the ACM removal process and/or emergencies.
- Negative air must be established and exhaust air exhausted outside of the building. If stairwells are utilized instead of opening or removing and window, fire dept. approval is required.
- Containment shall include setting perimeter critical barriers above the ceiling line attachment between the top of perimeter wall and the structural deck. This is the most critical stage of the project; contamination of adjacent suites can occur if special care is not taken. Consult with T3 CONTRACTORS Industrial Hygienist if any questions exist on how to attach barrier to the decking. HVAC must be off while this work is performed.
- To set critical barrier above the ceiling, remove small portions of the ceiling tile adjacent to the barrier line. Remove tiles as the barrier installation progresses only.

Ceiling Demolition & ACM Spot Removal:

- After full containment is established, large scale ceiling tile demolition or removal can occur. If tiles are to be saved; vacuum wipe, stack, cover and seal. If tiles are to be disposed, check tiles to insure there is not bulk ACM contamination. Thoroughly encapsulate and dispose of non-hazardous waste. If tile is disposed as ACM waste – follow proper ACM procedures.
- Once ceiling is removed or opened, perform required spot abatement. All workers must wear respirators and protective clothing once ceiling is opened and until all ACM removal is complete and Phase Air Clearance is achieved (workers may not wear street clothes under their protective clothing). Use ACM removal procedures as appropriate to remove ACM. Shower/Hudson sprayer to be utilized until all ACM removal is complete Phase Air Clearance is achieved.
- Once ACM removal is complete, clean area thoroughly using HEPA vacuum and wet methods as necessary and remove floor poly, leaving wall poly intact. Perform Phase Clearance; if the 95% upper confidence limit is less than 0.01 fibers/cc proceed to the next phase (aggressive sampling minimum volume 1200 L). Sampling to be performed by third party industrial hygienist.
- NOTE: The goal up to this point is to minimize outside subcontractor involvement except for marking spot removal locations. Generally only T3 CONTRACTORS workers have performed work up to this point.

Post ACM Removal Construction:

- Containment is still required since ACM is exposed. Disturbance to ACM and/or sheetrock dust, etc. can cause high fiber counts as determined by ongoing sampling. Should fiber counts reach 0.05 f/cc inside eth work area, all work is to be stopped. If fiber counts outside the containment elevate from ambient levels or exceed 0.01 f/cc, stop all work and clean the area.
- During this phase, complete showering is not required; however, two suits must be utilized with respirators. Workmen exiting the space should remove their suits and check their hands and feet for debris. A Hudson sprayer with water must be available for use to wash face and hands.
- The area is considered contaminated and must remain contained until the ceiling grid is fully installed.
- A T3 CONTRACTORS asbestos technician should police the area, picking up any debris and/or HEPA vacuuming the floor to insure the work area is kept clean.
- Once ceiling is fully installed, clean work area below and perform final (aggressive air) clearance sampling utilizing PCM (<0.01 f/cc 95% upper confidence limit, minimum volume 1200 L). (T3 CONTRACTORS Industrial Hygienist to determine number of samples required). A third party industrial hygienist must conduct air sampling (see below).

Post Final Clearance:

- As a precaution, containment is left in place until all above ceiling work is complete including inspections, electrical work, etc. No carpeting can be installed until all above ceiling work is complete.
- When working above the ceiling grid, respiratory protection is enforced as a precaution only and full suits are required for workers working above the ceiling only. Showers are not required. This work can only be performed at night with HVAC off.
- Critical barriers above ceiling are removed at this time by T3 CONTRACTORS workers utilizing ACM procedures. (This should be performed at night while inspecting for debris, HVAC is off and after all ceiling penetrations are complete).
- Below ceiling work can proceed under non-containment conditions during day shifts.

<u>Weekend Projects where all the Above Ceiling Work is Performed in One Weekend with HVAC Off</u>

The Procedures are the same as #1 above, however if and only if HVAC is off during the entire weekend; critical barriers in the plenum are not required.

Final air clearance must be obtained prior to tenant reoccupation of the building or engaging HVAC system – NO EXCEPTIONS.

Insurance for Procedures or Contractors Assistance Projects

Background to Project

- Typically a General Contractor is involved or one of several trade subcontractors. These contractors have the need to access the plenum space where the fireproofing is located. Asbestos procedures are followed to prevent any contamination of contractors and the below ceiling tenant area.

Procedures

- Many buildings have different industrial hygiene programs, as well as different structural, mechanical and code specifications. Additionally, the type of asbestos, its percentage content in the fireproofing and the secondary fireproofing non-asbestos binders also vary.
- To accommodate requirements in our insurance policy and the different possible requirements of each building and associated owner; T3 CONTRACTORS utilizes a standard set of procedures as an absolute minimum on every contractor assist project as follows:
  A. Horizontal surfaces are covered with poly.
  B. All porous wall surfaces (cloth wallpaper, etc.) are covered with poly.
  C. A decontamination chamber is utilized for entry/exit.
  D. All occupants of the work area are required to wear protective clothing and respirators.
  E. Mechanical systems to the floor being addressed and/or ducked supply and returns are sealed off with poly.
  F. Noting that the purpose of the work is to penetrate the ceiling and access the plenum space, T3 CONTRACTORS removes ceiling tiles first by misting the top side of tiles with an encapsulant, surfactant and water mixture. Tiles are then vacuumed with a HEPA filtered vacuum until visually clean. Non-removed tiles adjacent to the opening are HEPA vacuumed.
  G. The subcontractor personnel is allowed to access the opening to perform his work with a T3 CONTRACTORS employee by his side assisting in any asbestos related clean up or further requirements.
  H. ACM removal, other than the HEPA vacuuming is not always encountered. If required, T3 CONTRACTORS removes small half dollar size spots of asbestos utilizing wet methods and assisted by a HEPA vacuum attachment to collect the minor amount of waste generated. The hangar or pin attachment is then shot into the decking utilizing a Hilti gun (or similar).

Monitoring:

- T3 CONTRACTORS requires that the owner retains an independent third party consultant to provide clearance sampling.
- Clearance criteria and containment specifications are provided by the Industrial Hygienist upon receiving the work scope with the general contractor and/or subcontractor. The acceptable minimum air clearance is 0.01 fiber/cc or equal to background samples prior to activity.

In Review:

- A contractors assist or procedures job requires minor asbestos removal and always incorporates a third party industrial hygienist. The work is never performed while the tenant space is occupied or the building mechanical is active. Clearance sampling is always conducted prior to re-occupancy by tenant.

General

All phase and final clearance sampling must be conducted by a third party industrial hygienist.

T3 CONTRACTORS will solicit pricing for services of industrial hygienist. Scheduling of industrial hygienist is the responsibility of Asbestos Project Manager. Sampling quantities can be confirmed by T3 CONTRACTORS from plans.

Work orders must be issued for all industrial hygienist work. Subcontracts are not required.

Base line samples must be collected prior to start of work. T3 CONTRACTORS can collect these samples. The Operations Manager shall designate locations. These locations are the same locations as the Phase and Final Clearance Sampling locations.

There must be one ambient sample for every Phase or Final Clearance Sample – NO EXCEPTIONS.

Appendix B

Daily Field Reports

Field Report

NV5 ALTA ENVIRONMENTAL	Project No.: SMSD-21-10185 Project Name: Will Rogers ES HVAC Project
	Project Address: 2401 14th Street, Santa Monica, CA
	Date: 06/15/21 Arrival Time: 05:45 Departure Time: 15:30
	NV5 Personnel: Tom Jenkins, CSST

Subcontractors on-site	T3 Contractors, AireMasters
Client representative on-site	None
Agency representative on-site	None
Equipment on-site (NV5)	PPE, low-volume pumps, rotameter, microscope
Equipment on-site (sub-contractors)	PPE, HEPA vacuums, glove bags, Hudson sprayers

SUMMARY OF WORK PERFORMED

05:45: Tom Jenkins is on-site.

06:45: Tom meets with Juan Valdivia, Supervisor, with T3 Contractors. T3 has seven additional workers. Tom and Juan meet with AireMasters regarding the scope of work. T3, which awaiting delivery of equipment, will do clean demo of non-ACM roof flashings and remove other HVAC debris. Once equipment arrives, there are approximately 28 areas to abate surfacing from areas that are 3' x 1.5'. The surfacing does not have the same texture as stucco.

07:30: T3 has a safety meeting and then begins the clean demo work to remove the roof flashings. Removal of flashings begins.

09:00: Flashings removal continues. Cal-OSHA lead and SCAQMD notifications are verified. Training, medical, and fit test documents are verified for T3 workers and supervisor.

11:00: Crew breaks from lunch.

12:00: Crew returns from lunch. Begin set-up of glove-bags on the west side of Building E outside rooms 504 and 502. Each area consists of two, ~3' wide by 1' tall areas to remove texture on concrete; there is no stucco.

13:00: Glove-bag is set-up on the lower part of the Building E west wall outside room 504 (north area) and the lower part outside room 502 (south area). Air pumps are calibrated to 2.5L/minute and air monitoring begins OWA at upwind (south) and downwind (north).

13:15: Area is delineated with asbestos warning tape, there is poly on the ground, and the glove-bag is set-up; area passes visual inspection. Worker dons PPE and begins working using wet methods, HEPA vacuum, and hand tools on the lower area.

13:45: Glove-bags are set-up on Building F at the north end.

14:00: Behind the texture, which more results plaster, is plywood. Once all the texture is removed within the glove-bag and the glove-bag is removed, the workers will cut-out the plywood.

14:20: At the south area of Building E, the area has poly on the ground, asbestos warning tape around the area, and two glove bags (upper and lower) are set-up. Worker dons PPE and begins work on the lower area using the same practices.

Technician Name: Tom Jenkins, CSST Technician Signature: Tom Jenkins

Field Report

NV5 ALTA ENVIRONMENTAL	Project No.: SMSD-21-10185 Project Name: Will Rogers ES HVAC Project
	Project Address: 2401 14th Street, Santa Monica, CA
	Date: 06/15/21 Arrival Time: 05:45 Departure Time: 15:30
	NV5 Personnel: Tom Jenkins, CSST

SUMMARY OF WORK PERFORMED

15:15: Work concludes on the north endsof Building E. HEPA vacuum is used to clean debris from the abated area and then encapsulate is applied followed by a wet-wipe down. The glove bag and clean-up rags are placed in a #9 asbestos bag and goose-necked sealed. Bag will be stored in the locked T3 truck as the waste dumpster will arrive Thursday. The south area will be completed Ambient air monitoring ends. Air pumps are calibrated and at 2.5L/minute.

15:30 Tom and T3 are off-site.

Technician Name: Tom Jenkins, CSST Technician Signature: Tom Jenkins

NV5

ALTA ENVIRONMENTAL

Log Sheet

Project Name: Will Rogers HVAC Project Date: 6-16-2021

Project Location: 2401 14st. Santa Monica Job No.: SMSD-21-10185

Project/Area Description: Todays work will be at the West side of Bldg. E, West Side of Bldg. F, MPR Bldg & possibly Bldg. G

Scope of Work: Impacting Ext. ~~Walls~~ using a glove bag + wet. Holes being made are gonna be 1.5 x 3'. 2 workers doing clean demo @ MPR.

Type of Containment: RWA + Glove bag.

Respiratory Protection: 1/2 face w/P100

Abatement Contractor: T3

Contractor Supervisor: Juan Valdivia

Alta Rep. On-Site: Randy Flores

Project Manager: Jim Byers

Time Arrived (Military): 0545 Shift Start Time: 0600

Time Left (Military): 1530 Shift End Time: 1530

Type of Sample	Number of Samples Taken	Highest (f/cc)	Lowest (f/cc)
Inside Work Area			
Outside Work Area	2	.009	.007
Personal			
Clearance			
Background			

Manometer Reading (Time reading was taken/Actual Reading			
NA			

Other Contractors On-Site	Contractor Activities

NV5
ALTA ENVIRONMENTAL

Client: SMMUSD

Project Name: Rogers E.S. HVAC project

Alta Job No.: SMSD-21-10185

TIME OF OBSERVATION	COMMENTS
~ 0545	NV5 Rep. Arrives on-site. work wasn't scheduled for 6 a.m.
~ 0645	T3 arrives on-site. Supervisor Jason V. + 7 workers.
~ 0700	R.F. checked worker certs. while T3 set up.
~ 0740	4 workers were missing certs. only allowed certified workers to work until they provided Submittals.
	- R.F. set up. low flows (2)
	- workers donned p.p.e to start abatement workers are gonna make 3'x1.5' Holes in the wall 4 per bldg.
~ 0800	workers started, only 4 with certs. the workers who haven't provided certs. continued setting up & also did clean demo of louvers @ MPR Bldg.
~ 0900	MAYELA MARTINEZ FROM T3 OFFICE SENT THE REST OF THE REQUIRED CERTS.
	- ALL WORKERS ARE CERTIFIED & ABLE
~ 1100	Lunch, at this time workers finished @ Bldg. E 3 cuts & Started @ Bldg. F after lunch.
~ 1200	continued with removal. A couple of workers were setting up a containment on the roof of the MPR Bldg. for Ext. WALL cuts. 2 workers also started setting up. Bldg. G1.
	- SMMUSD Kay arrived on site, R.F. walked Kay through site and gave a brief update.
	~ 1220 collected pcm to analyze.
	* Provided Attachment Map with completed areas.
~ 1300	Aire Masters provided access to NV5 R.F. so he can analyze Air samples.
	- WORKERS WERE still setting up

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature:

Cert. Number: 17-6019

Date: 6-16-2021

ALTA ENVIRONMENTAL

Client: SMMUSD

Page 2 of 2

Project Name: ROGERS E.S. HVAC PROJECT

Alta Job No.: SMSD-21-10185

TIME OF OBSERVATION	COMMENTS
	Bldg. G on roof.
	- All areas were set up with tape (~~Asbestos tape~~) Drop poly & OWA sampler
	- Methods used by T3 & equip - Glove bag wet wipe & Hepa vacuum as needed.
~1530	Left site after visually inspecting all areas were clean & free of all debris.
	7 #9 Bags were collected @ end of day and stored in T3 Box truck until 40 yrd bin arrives.

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature:

Cert. Number: 17-6019

Date: 6-16-2021

By: Randy Flores

NV5

ALTA ENVIRONMENTAL

Sheet ____ of ____

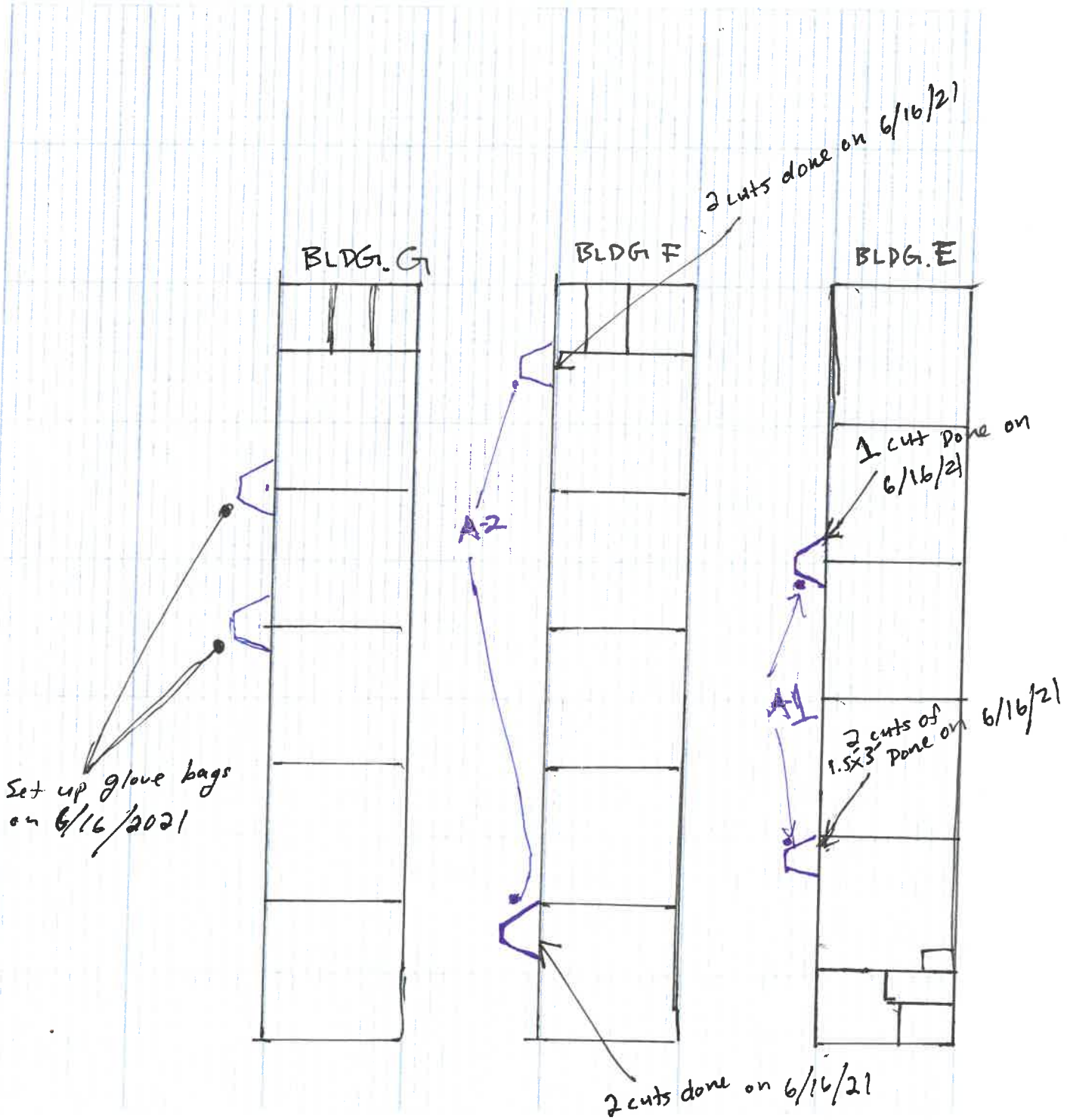
Project Name Rogers, HVAC

Project No./Task No. SMSD-21-10185

Calculated by ____ Date 6-16-2021

Checked by ____ Date ____

Scale Not to Scale



NV5
ALTA ENVIRONMENTAL

Log Sheet

Project Name: Will Rogers Hvac Project Date: 6-17-2021

Project Location: 2401 14th St. Santa Monica Job No.: SMSD-21-10185

Project/Area Description: Todays Work will be @ F, G, MPR

Scope of Work: Ext. Wall cuts

Type of Containment: Glove bag

Respiratory Protection: 1/2 Face P/100

Abatement Contractor: T3

Contractor Supervisor: Juan Valdivia

Alta Rep. On-Site: Randy Flores

Project Manager: Jim Byers

Time Arrived (Military): 0730 Shift Start Time: 0700

Time Left (Military): Shift End Time:

Type of Sample	Number of Samples Taken	Highest (f/cc)	Lowest (f/cc)
Inside Work Area			
Outside Work Area			
Personal			
Clearance			
Background			

Manometer Reading (Time reading was taken/Actual Reading			
/	/	/	/

Other Contractors On-Site	Contractor Activities

NV5

ALTA ENVIRONMENTAL

Client: SMMUSD

Page 2 of 1

Project Name: Roger HVAC

Alta Job No.: SMSD-21-10185

TIME OF OBSERVATION	COMMENTS
~	0730 RF arrived on-site to ~~veg~~ check on work being carried out by T3
~ 0810	Randy Flores verified workers / supervisor w/ 7 workers - R.F. Left site
	- RF visually inspected set up on roof T3 started removal of ext stucco wall @ MPR.
	- All work was being done in glove bag using hand tools and wet methods.
	- left side.
~1200	Returned to site. for follow up
	- Bldg. F S/W complete visually clean & inspected by R.F.
	- Bldg. G 3 cuts @ N/W are complete workers is finishing up on last one with use of hand tools & wet methods
	- Bldg H N/W 1 is finished and worker is starting another cut.
~ 1250	RF Did leave site

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature: _____

Cert. Number: _____

Date: _____

NV5
ALTA ENVIRONMENTAL

Log Sheet

Project Name: Will Rogers Date: 6-18-21

Project Location: Rogers ES Job No.:

Project/Area Description: Bldg J

Scope of Work: Glove bag cuts on ACM Stucco

Type of Containment: Glove bag

Respiratory Protection: Half-face respirator w/P100 filters

Abatement Contractor: T3 inc.

Contractor Supervisor: Juan Valdivia

Alta Rep. On-Site: Carbany Beverril

Project Manager: Jim Byers

Time Arrived (Military): 0800 Shift Start Time:

Time Left (Military): 0840 Shift End Time:

Type of Sample	Number of Samples Taken	Highest (f/cc)	Lowest (f/cc)
Inside Work Area			
Outside Work Area			
Personal			
Clearance			
Background			

Manometer Reading (Time reading was taken/Actual Reading			
/	/	/	/

Other Contractors On-Site	Contractor Activities

NV5
ALTA ENVIRONMENTAL

Client: SMMUSD Page 1 of 1

Project Name: Rogers ES Alta Job No.:

TIME OF OBSERVATION	COMMENTS
0800 - 0840	Alta rep arrived to check in on Abatement Company TS inc. Supervisor Juan V. Met up with Alta rep and Disscused Scope of Work for The day.
	Scope: Glove bag cuts of 2'x4' on Exterior Stucco walls of Bldg 5 per classroom in order to Later attach Exterior HVAC units.
	Also same cuts in west Exterior of Bldg H
	8 cuts in total.
	Alta ~~Heav~~ reviews paperwork and certifications all is up to date.
	Alta rep leaves site at 0840, end of shift.

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature:
Cert. Number:
Date: 6-18-21

NV5
ALTA ENVIRONMENTAL

Log Sheet

Project Name: Will Rogers Date: 7-20-21

Project Location: Job No.:

Project/Area Description:

Scope of Work: Pre Marked Stucco cuts (ACM),

Type of Containment: Glove bag, Drop Floor

Respiratory Protection: Half face, P100 filters

Abatement Contractor: T3 Env.

Contractor Supervisor: Jose Gutierrez

Alta Rep. On-Site: Carbany Becerril

Project Manager: Jim Bycres

Time Arrived (Military): 0730 Shift Start Time: 0730

Time Left (Military): Shift End Time:

Type of Sample	Number of Samples Taken	Highest (f/cc)	Lowest (f/cc)
Inside Work Area			
Outside Work Area			
Personal			
Clearance			
Background			

Manometer Reading (Time reading was taken/Actual Reading			
/	/	/	/

Other Contractors On-Site	Contractor Activities

NV5

ALTA ENVIRONMENTAL

Client: SMMUSD Page 1 of 2

Project Name: Will Rogers Alta Job No.:

TIME OF OBSERVATION	COMMENTS
0730 -	Alta representative and TJ Env workers arrived at the site. TJ worker crew consists of 1 worker & 1 supervisor.
0800 -	Reyes ; Sons Electrical Marked Various areas on The West Exterior wall of Bldg N, for 3 core cuts at The North Ext. wall of Bldg H Above The Arcade, 4 Core cuts at The North wall of Bldg F Above Arcade, 3 Cuts at The North Ext. wall of Bldg J above Arcade.
0800-0830 -	Alta rep reviewed paperwork and Certificates, All was up to date. Workers begin to set up The west wall of Bldg N, Attaching Glove bags To Stucco wall. Also Drop Floor that is Secured with Duct Tape, Decon and Caution tape perimeter is added
0930 -	Worker in glove bag breaks Stucco and all of Stucco Debris is Collected within The Glove bag. Glove bag has a HEPA Vac attached to it, and a Hudson Sprayer.
1000 -	Alta rep does not see any visible dust leaving Glove bag and all Debris is being collected in The bag.
1100 - 1200	Lunch Break
1200 -	@ 1050 workers finished removing stucco at The west Ext. wall of Bldg N. After lunch workers Mobilized to The North Arcade. Worker will cut out Marked areas in The North wall of Bldg F, and Cuts in The North wall of Bldg J ; All Cuts are Above Arcade

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature:

Cert. Number:

Date: 7-20-21

NV5

ALTA ENVIRONMENTAL

Client: SMMUSD

Project Name: Will Rogers ES

Alta Job No.:

TIME OF OBSERVATION	COMMENTS
1230	Worker attaches Glove bag to 3 Cuts at The North wall of Bldg F. &
1230–1300	Worker removing The Material uses a chipping hamer, Glove bag has a HEPA Vac Connected to it and a Hudsun sprayer. Worker Maintains Stucco ~~wet~~ wet during removal. Cuts of Stucco are 4"x4".
1300-	

For Bag-Out Shift Only

# of Bags	Manifest #

Alta Rep. Signature: Email

Cert. Number:

Date: 7-20-21

Appendix C

Perimeter and Clearance Air Sampling Data Sheets and Results

NV5
ALTA ENVIRONMENTAL

Air Sampling Form

Client: SMMUSD
Project No.: SM50-21-
Project Location: ROGERS E.S. HVAC

Date: 6-16-2021
Page: 1 of 1

Sample #	Pump #	Sample Location	Type	Activity in Progress	Start Time	Stop Time	LPM Start	LPM Stop	Volume	Fibers/ Fields	F/CC*
A-1	51604	Bldg. E (west)	OWA	A.C.M removal	0740	1220	2.5	2.5	700	12.5/100	.009
A-2	102618.01	Bldg F (west)	OWA	"	0745	1225	2.5	2.5	700	10/100	.007

Type: OWA = Outside Work Area; IWA = Inside Work Area; B = Background; P = Personal; C = Clearance

Detection limit is 5.5 f/cc

Analytical Method:

PCM-Niosh 7400	✓
TEM-AHERA	
TEM-EPA Yamate	
NIOSH-7082/Pb	

Sample Media:

25 mm MCE 0.8 µg	✓
25 mm MCE 0.45 µg	
37 mm MCE	

Sample Analysis:

Alta On-site	✓
Outside Lab	

Field Blank
Sample # A-3
Fiber/Fields 0/100

Lab Blank
Sample # A-4
Fiber/Fields 0/100

Microscopist: RANDY FLORES
Microscope #: LEICA DM500
Graticle field area (mm²): 0.00785
Filter area (mm²): 385
Q.C. slide readable: yes
Rotometer #:

Comments:

On-Site Technician: RANDY FLORES
Signature:

Cert Number: 17-6019

ENVIRONMENTAL LABORATORIES LLC

1508 East 33rd Street
Signal Hill, CA 90755
Toll: 888-207-2022
Tel: 562-206-2770
Fax: 562-206-2773

Alta Environmental
3777 Long Beach Blvd.
Long Beach CA 90807
Attn.: Jim Byers

Report Number **2145273**

Project Number
Project Name Will Rogers E.S.
Location
PO Number
WO Number

Date Received 07/21/2021
Date Analyzed 07/23/2021
Date Reported 07/23/2021

Date Sampled 07/20/2021
Sampled By Carbany B.
Total Samples 5

Method of Anaylsis: NIOSH Method 7400

Test Report

Lab ID / Customer ID	Description / Activity	Avg. Flow Rate (L/min)	Time (min.)	Volume (Liters)	Fibers Count	Fields Count	LOD (f/cc)	Results (f/mm2)	Results (f/cc)
2145273-001 0720-A1	North of Perimeter of West Ext. Wall of Bldg N	2.5	150	375	2.0	100	0.007	<7.0	<0.007
2145273-002 0720-A2	East End of North Arcade	2.5	120	300	0.0	100	0.009	<7.0	<0.009
2145273-003 0720-A3	West End of North Arcade	2.5	121	303	1.0	100	0.009	<7.0	<0.009
2145273-004 0720-A4	BLANK Field Blank				0.0	100	NA	<7.0	NA
2145273-005 0720-A5	BLANK Lab Blank				0.0	100	NA	<7.0	NA

* All samples have been prepared and analyzed in accordance with the NIOSH 7400 method using "A" Counting Rules Issue 2, August 1994
* OSHA PEL's are 1.0 f/cc for 30 minutes excursion and 0.1 f/cc for 8-hour Time Weighted Average (TWA).
* Void 1= Overloaded with Fibers
* Void 2= Overloaded with Particles
* LOD= 5.5 fibers
* Average Blank (f/field) = 0.000

Analyst - Justine Pablo

Approved Signatory - Cristina E. Tabatt

The limit of detection is 7 fibers/mm2. The laboratory is not responsible for data reported in fibers/cc as this data is dependent on volume collected by non-laboratory personnel. Results have been blank corrected using blanks submitted by customer or laboratory blank, as applicable.

CHAIN OF CUSTODY

AQ ENVIRONMENTAL LABORATORIES
1508 E. 33rd Street
Signal Hill, CA 90755
562-206-2770 Tel
562-206-2773 Fax
services@AQenvlabs.com

(Lab) Order No. 2145273

CUSTOMER INFORMATION	
Company	Alta Environmental
Address	3777 Long Beach Boulevard
City/State/Zip	Long Beach, CA 90807
Contact	Jim Byers
Office Phone	562/ 495-5777
Cell	
Fax	562/ 495-5877
Email	

Turnaround Time		Shipped By		Report Send Via:	
Same Day	☐	Fedex	☐	Web	☐
1 Day	☐	UPS	☐	Email	☒
2 Day	☐	USPS	☐	Fax	☐
3 Day	☒	Drop Off	☒	Verbal	☐
5 Day	☐	Drop Box	☐	Mail	☐
Weekend	☐	Other	☐	Pick up	☐

Special Instructions:
cc: Carbany

PROJECT INFORMATION

Project Name:	Will Roger ES	PO Number:	
Project Number:		Work Order No.:	
Location:		Sampled By:	Carbany B

PLM		PCM		MOLD		LEAD (Pb)	
PLM EPA 600/M4-82-020	☐	NIOSH 7400A	☒	Spore Trap	☐	Air	☐ TTLC ☐
PLM 400 Pt. Count (<0.25%)	☐	NIOSH 7400B	☐	Tape Lift	☐	Paint	☐
PLM 1000 Pt. Count (<0.1%)	☐	w/ TWA	☐	Bulk Sample	☐	Wipe	☐
						Soil	☐

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
0720-A1	PCM Air	North of Perimeter of west Ext. wall of Bldg N	7-20-21	0820 / 1100	2.5	375
-A2	↓	East End of North Arcade	↓	1230 / 1430	2.5	300
-A3	↓	West End of North Arcade	↓	1232 / 1433	2.5	305
-A4	Field Blank	/	/			
-A5	Lab Blank					

Relinquished By: Carbany Beever
Date/Time: 7-21-21

Received By:
Date/Time: 7/21/21 11:00

Lab Forms
Ver. 082411

ALTA ENVIRONMENTAL

Air Sampling Form

Client: SMMUSD
Project No.:
Project Location: Will Rogers

Date: 7-20-21
Page: 1 of 1

Sample #	Pump #	Sample Location	Type	Activity in Progress	Start Time	Stop Time	LPM Start	LPM Stop	Volume	Fibers/ Fields	F/CC*
0720-A1		North of Containment Perimeter West of Bldg N	OWA	Abatement	0830	1100	2.5	2.5	375		
-A2		East End of North Arcade			1230	1430	2.5	2.5	300		
-A3		West End of South Arcade			1232	1435	2.5	2.5	303		

Type: OWA = Outside Work Area; IWA = Inside Work Area; B = Background; P = Personal; C = Clearance

Detection limit is 5.5 f/cc

Analytical Method:

PCM-Niosh 7400	
TEM-AHERA	
TEM-EPA Yamate	
NIOSH-7082/Pb	

Sample Media:

25 mm MCE 0.8 µg	
25 mm MCE 0.45 µg	
37 mm MCE	

Sample Analysis:

Alta On-site	
Outside Lab	

Field Blank
Sample #
Fiber/Fields

Lab Blank
Sample #
Fiber/Fields

Microscopist:
Microscope #:
Graticle field area (mm^2):
Filter area (mm^2):
Q.C. slide readable:
Rotometer #:

Comments:

On-Site Technician: Cerbany B
Signature:
Cert Number:

\\server-lb-1\ctldata\alta documents\field forms\whs\air sampling form2011.doc

Appendix D

Employee Certifications

Certificate Of Completion

Asbestos Building Inspector Refresher Course

DOSH #:CA-015-06

Carbany Becerril

ABIR0714210006N26992

David Wallach

Principal Instructor

Michael W. Horner

Training Director

7/14/2021	7/14/2021	7/14/2021	7/14/2022
Course Start Date	Course End Date	Exam Date	Expiration Date

This course satisfies the education requirements for Asbestos accreditation under the Toxic Substances Control Act, Title II. This course has been approved by the Department of Industrial Relations, Division of Occupational Safety and Health of the State of California

NATEC International, Inc.

National Association of Training and Environmental Consulting

1100 Technology Circle- Suite A, Anaheim, CA 92805 • www.natecintl.com • 800-969-3228

Important Industry Contacts

CAL-OSHA: Ph# (916) 574-2993
(916) 483-0572 Fax Notification
Web: www.dir.ca.gov or calosha.com

CDPH/CLPPB: Ph# (510) 620-5600
Web: www.cdph.ca.gov/programs/CLPPB

SCAQMD: Ph# (909) 396-3739
Fax#(909) 396-3342

BAAQMD: Ph# (415) 749-4762

NATEC International, Inc.

National Association of Training and Environmental Consulting

Anaheim, CA • Oakland, CA • Fresno, CA • Sacramento, CA

Asbestos • Lead • Mold • HAZWOPER

P.O. Box 25205 Anaheim, CA 92825-5205

(714) 678-2750, (800) 969-3228, Fax (714) 678-2757

www.natecintl.com

NATEC International, Inc.

National Association of Training and Environmental Consulting

*Note: Card is not suitable substitute for certificate and is not accepted by SCAQMD as proof of certification

This Card Acknowledges That

Carbany Becerril

Holds Training Certification For

Asbestos Building Inspector Refresher Course

Expiration: 7/14/2022

Training Date 7/14/2021

Certificate No. ABIR0714210006N26992

Michael W. Horner

Training Director

State of California
Division of Occupational Safety and Health
Certified Site Surveillance Technician

Name **Randolph J Flores**

Certification No. **17-6019**

Expires on **09/12/22**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

State of California
Division of Occupational Safety and Health

Certified Site Surveillance Technician

Thomas D Jenkins
Name

Certification No. 19-6698

Expires on 01/14/22

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.


State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant
James Charles Byers, Jr.
Name
Certification No. 06-4122
Expires on 01/18/22
This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

Appendix E

Contractor Closeout Documents

STATE OF CALIFORNIA
dca
DEPARTMENT OF CONSUMER AFFAIRS

CONTRACTORS STATE LICENSE BOARD
ACTIVE LICENSE

License Number **867365** Entity CORP

Business Name T 3 CONTRACTORS CORP

Classification(s) C21 ASB C22

Expiration Date **11/30/2021** www.cslb.ca.gov

State of California

Department of Industrial Relations

DIVISION OF OCCUPATIONAL SAFETY AND HEALTH

Certificate of Registration for Asbestos-related Work

Certificate No. 1029

Expiration Date 9/20/2021

T3 Contractors Corp.

(Name of Employer)

is duly registered by the Division of Occupational Safety and Health in accordance with the California Administrative Code, Title 8, Article 2.5 for asbestos-related work.

Division of Occupational Safety and Health

for Jeff Powell

Effective Date 9/20/2020

Contractor's License No. 867365

This registration is valid only when the following requirements and conditions are met:

1. The registered employer shall safely perform asbestos-related work in compliance with relevant occupational safety and health regulations.
2. The registered employer shall notify the Division of changes in work locations or conditions as specified by Section 341.9 of Title 8 of the California Administrative Code.
3. The registered employer shall post a sign readable at 20 feet at the location of any asbestos-related work stating:

Danger - Asbestos
May Cause Cancer - Causes Damage to Lungs
Authorized Personnel Only

4. A copy of the registration shall be posted at the jobsite beside the Cal-OSHA poster.
5. The registered employer shall provide a copy of this registration certificate to the prime contractor and any other employers at the site before the commencement of any asbestos-related work.
6. The registered employer shall conduct a safety conference prior to the commencement of any asbestos-related work as specified by Section 341.11 of Title 8 of the California Administrative Code.
7. The registered employer acknowledges the Division's right to revoke or suspend this registration as provided by Section 341.14 of Title 8 of the California Administrative Code.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 04/15/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Megan Hilke	
Foundation Risk Partners dba Millennium Risk Mgmt & Ins Services License #0M93299 550 N Brand Blvd #1100 Glendale, CA 91203	PHONE (A/C, No, Ext): (818) 844-4118	FAX (A/C, No): (949) 679-7240
	E-MAIL ADDRESS: MHilke@mcsins.com	

INSURED	INSURER(S) AFFORDING COVERAGE	NAIC #
T3 Contractors Corp 17130 Van Buren Blvd Ste 53 Riverside, CA 92504	INSURER A : Nautilus Insurance Company	17370
	INSURER B : Key Risk Insurance Company	10885
	INSURER C : Great Divide Insurance Company	25224
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** 21-22 GL AU XS WC **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	[X] COMMERCIAL GENERAL LIABILITY [ ] CLAIMS-MADE [X] OCCUR [X] Pollution Liability [X] Professional Liability (claims made) GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [X] PRO-JECT [ ] LOC [ ] OTHER:	Y	Y	ECP2011069-17	03/01/2021	03/01/2022	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG $	$ 2,000,000 $ 100,000 $ 5,000 $ 2,000,000 $ 2,000,000 $ 2,000,000 $
B	AUTOMOBILE LIABILITY [X] ANY AUTO [ ] OWNED AUTOS ONLY [ ] SCHEDULED AUTOS [X] HIRED AUTOS ONLY [X] NON-OWNED AUTOS ONLY	Y	Y	BAP2031351-11	03/01/2021	03/01/2022	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) $	$ 1,000,000 $ $ $ $
A	[ ] UMBRELLA LIAB [X] OCCUR [X] EXCESS LIAB [ ] CLAIMS-MADE [ ] DED [X] RETENTION $ 0			FFX2014181-16	03/01/2021	03/01/2022	EACH OCCURRENCE AGGREGATE (over GL PL EO AL EL)	$ 5,000,000 $ 5,000,000 $
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N: Y If yes, describe under DESCRIPTION OF OPERATIONS below	N/A	Y	WCA2011062-17	03/01/2021	03/01/2022	[X] PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Re: Will Rogers ES, 2401 14th St., Santa Monica, CA 90405.

Scorpio Enterprises dba Aire-Masters Air Conditioning, the Santa Monica-Malibu Unified School District, SMB Management Services, when required by written contract, are named as additional insured for General Liability with ongoing & completed ops; Auto addl insured; with waivers for GL, Auto, and WC per forms attached. *30 day notice of cancellation with 10 days for non-pay.

CERTIFICATE HOLDER

Scorpio Enterprises dba Aire-Masters Air Conditioning
12556 McCann Dr.
Santa Fe Springs CA 90670

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

William Lipkin

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

DESIGNATED CONSTRUCTION PROJECT(S) GENERAL AGGREGATE LIMIT – COVERAGE A & D – AUTOMATIC STATUS

Policy Number	Policy Effective Date	Policy Expiration Date	Endorsement Effective Date
ECP2011069-17	3/1/2021	3/1/2022	3/1/2021

This endorsement modifies insurance provided under the following:

ENVIRONMENTAL COMBINED POLICY

SECTION V – LIMITS OF INSURANCE is amended by the addition of the following terms and conditions when you have agreed in writing in a contract or agreement, in effect during this **policy period**, with any person or organization for whom you are performing operations, that a per-project aggregate will apply:

I. For all amounts which the **insured** becomes legally obligated to pay as damages caused by **occurrences** under **SECTION I – COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY** and **Coverage D.1 – Contractors Pollution Legal Liability** and **Coverage D.4 – Microbial Substance Contractors Pollution Liability** which can be attributed only to **covered operations** at a single project:

1. A separate Per-Project Aggregate Limit applies to each project, and that limit is equal to the lesser of:
   a. The applicable General Aggregate Limit; or
   b. $2,000,000.
2. The Per-Project Aggregate Limit is the most we will pay for the sum of all damages under **COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY** and **Coverage D.1 – Contractors Pollution Legal Liability** and **Coverage D.4 – Microbial Substance Contractors Pollution Liability** except damages because of **bodily injury** or **property damage** included in the **products-completed operations hazard**, regardless of the number of:
   a. **Insureds**;
   b. **Claims** made or **suits** brought; or
   c. Persons or organizations making **claims** or bringing **suits**.
3. Any payments made under **COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY** and **Coverage D.1 – Contractors Pollution Legal Liability** and **Coverage D.4 – Microbial Substance Contractors Pollution Liability** for damages shall reduce the Per-Project Aggregate Limit for that particular project. Such payments shall not reduce the applicable General Aggregate Limit nor shall they reduce any other Per-Project Aggregate Limit for any other project.
4. The applicable limits for Each Occurrence, Damage To Premises Rented To You continue to apply. However, instead of being subject to the applicable General Aggregate Limit, such limits will be subject to the applicable Per-Project Aggregate Limit.
5. Regardless of the number of projects covered under this policy, the most we will pay under the terms and conditions of this endorsement is $5,000,000.

II. For all amounts which the **insured** becomes legally obligated to pay as damages caused by **occurrences** under **SECTION I – COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY** and **Coverage D.1 – Contractors Pollution Legal Liability** and **Coverage D.4 – Microbial Substance Contractors Pollution Liability** which cannot be attributed only to **covered operations**:

1. Any payments made under **SECTION I –COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY** and **Coverage D.1 – Contractors Pollution Legal Liability** and **Coverage D.4 – Microbial Substance Contractors Pollution Liability** for damages shall reduce the amount available under the General Aggregate Limit or the Products Completed Operations Aggregate Limit, whichever is applicable; and
2. Such payments shall not reduce any Per-Project Aggregate Limit.

III. When coverage for liability arising out of the **products-completed operations hazard** is provided, any payments for damages because of **bodily injury** or **property damage** included in the **products-completed operations hazard** will reduce the Products-Completed Operations Aggregate Limit, and not reduce the General Aggregate Limit nor the Per-Project Aggregate Limit.

IV. If the applicable project has been abandoned, delayed, or abandoned and then restarted, or if the authorized contracting parties deviate from plans, blueprints, designs, specifications or timetables, the particular project will still be deemed to be the same project.

V. The provisions of **SECTION V – LIMITS OF INSURANCE** not otherwise modified by this endorsement shall continue to apply as stipulated.

VI. This endorsement does not apply to any Designated Construction Project(s) which has been specifically endorsed to this policy on a General Aggregate Limit endorsement showing the Designated Construction Project(s) in a **SCHEDULE**.

ALL OTHER TERMS AND CONDITIONS OF THE POLICY SHALL APPLY AND REMAIN UNCHANGED.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED -- OWNERS, LESSEES OR CONTRACTORS AUTOMATIC STATUS – COMPLETED OPERATIONS – COVERAGE A, D.1 & D.4

Policy Number	Policy Effective Date	Policy Expiration Date	Endorsement Effective Date
ECP2011069-17	3/1/2021	3/1/2022	3/1/2021

This endorsement modifies insurance provided under the following:

ENVIRONMENTAL COMBINED POLICY

I. **SECTION III – WHO IS AN INSURED** is amended to include as an additional **insured**:

1. Any person or organization for whom you have performed operations when you and such person or organization have agreed in writing in a contract or agreement, in effect during this **policy period**, that such person or organization be added as an additional **insured** on this policy; and
2. Any other person or organization you are explicitly required to add as an additional **insured** under the contract or agreement described in Paragraph **1.** above.

   Such contract or agreement must be executed and in effect prior to the performance of **your work** included in the **products-completed operations hazard** which is the subject of such contract or agreement.

   Such person(s) or organization(s) is an additional **insured** only with respect to liability for **bodily injury** or **property damage** under **SECTION I – COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY, Coverage D.1 – Contractors Pollution Legal Liability** and **Coverage D.4 – Microbial Substance Contractors Pollution Liability,** directly caused by **your work** performed for the additional **insured** described in Paragraph **1.** or **2.** above, and included in the **products-completed operations hazard.**

   However, the insurance afforded to such additional **insured** described above:
   - **a.** Only applies to the extent permitted by law; and
   - **b.** Will not be broader than that which you are required by the contract or agreement to provide for such additional **insured**; and
   - **c.** Will not extend beyond that which is provided to you in this policy.

II. With respect to the insurance afforded to these additional **insureds**, the following additional exclusions apply:

This insurance does not apply to:

a. **Bodily injury** or **property damage** arising out of the rendering of, or the failure to render, any professional architectural, engineering or surveying services, including:
   - **(1)** The preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or
   - **(2)** Supervisory, inspection, architectural or engineering activities.

   This exclusion applies even if the **claims** against any **insured** allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that **insured**, if the **occurrence** which caused the **bodily injury** or **property damage** involved the rendering of, or the failure to render any professional architectural, engineering or surveying services.

III. With respect to the insurance afforded to these additional **insureds**, the following is added to **SECTION V – LIMITS OF INSURANCE**:

The most we will pay on behalf of the additional **insured** is the amount of insurance:
1. Required by the contract or agreement described in Paragraph **I.1.**; or
2. Available under the applicable limits of insurance;

whichever is less.

This endorsement shall not increase the applicable limits of insurance.

IV. With respect to the insurance afforded to these additional **insureds**, the following is added to **SECTION VI –**

REPORTING, DEFENSE, SETTLEMENT & COOPERATION:

1. **Duties -- Additional Insured**

   An additional **insured** must see to it that:

   a. We are notified in writing as soon as practicable of an **occurrence** which may result in a **claim** or **suit;**
   b. We receive written notice of a **claim** or **suit** as soon as practicable; and
   c. A request for defense and indemnity of the **claim** or **suit** will promptly be brought against any policy issued by another insurer under which the additional **insured** may be an insured in any capacity. This provision does not apply to insurance on which the additional **insured** is a **Named Insured**, if the contract or agreement requires that this coverage be primary and noncontributory.

V. **SECTION VII – CONDITION 10. – Other Insurance** is amended by the addition of the following which supersedes any provision to the contrary:

Primary And Noncontributory Insurance

This insurance is primary to and will not seek contribution from any other insurance available to a person(s) or organization(s) included as an additional **insured** under this endorsement provided that:

1. The additional **insured** person(s) or organization(s) is a **Named Insured** under such other insurance; and
2. You have agreed in writing in a contract or agreement, in effect during this **policy period**, that this insurance would be primary and would not seek contribution from any other insurance available to the additional **insured** person(s) or organization(s). Such contract or agreement must be executed and in effect prior to the performance of **your work** included in the **products-completed operations hazard** which is the subject of such contract or agreement.

However, this provision does not apply if the other insurance available to the person(s) or organization(s) included as an additional **insured** is Owners and Contractors Protective Liability, Railroad Protective Liability, or similar project-specific, primary insurance.

VI. This endorsement does not apply to an additional **insured** which has been added to this policy by an endorsement showing the additional **insured** in a **SCHEDULE** of additional **insureds**, and which endorsement applies to that designated additional **insured**.

ALL OTHER TERMS AND CONDITIONS OF THE POLICY SHALL APPLY AND REMAIN UNCHANGED.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED -- OWNERS, LESSEES OR CONTRACTORS AUTOMATIC STATUS – ONGOING OPERATIONS – COVERAGE A, B, D.1 & D.4

Policy Number	Policy Effective Date	Policy Expiration Date	Endorsement Effective Date
ECP2011069-17	3/1/2021	3/1/2022	3/1/2021

This endorsement modifies insurance provided under the following:

ENVIRONMENTAL COMBINED POLICY

I. **SECTION III – WHO IS AN INSURED** is amended to include as an additional **insured**:

1. Any person or organization for whom you are performing operations when you and such person or organization have agreed in writing in a contract or agreement, in effect during this **policy period**, that such person or organization be added as an additional **insured** on this policy; and

2. Any other person or organization you are explicitly required to add as an additional **insured** under the contract or agreement described in Paragraph **1.** above.

Such contract or agreement must be executed and in effect prior to the performance of **your work** which is the subject of such contract or agreement.

Such person(s) or organization(s) is an additional **insured** only with respect to liability for **bodily injury** or **property damage** under **SECTION I – COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY, Coverage D.1 – Contractors Pollution Legal Liability** and **Coverage D.4 – Microbial Substance Contractors Pollution Liability,** or personal injury or advertising injury under **SECTION I - COVERAGE B – PERSONAL AND ADVERTISING INJURY LIABILITY** directly caused by:

a. Your acts or omissions; or
b. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional **insured** described in Paragraph **1.** or **2.** above.

However, the insurance afforded to such additional **insured** described above:

a. Only applies to the extent permitted by law; and
b. Will not be broader than that which you are required by the contract or agreement to provide for such additional **insured**, and
c. Will not extend beyond that which is provided to you in this policy.

A person's or organization's status as an additional **insured** under this endorsement ends when your operations for the person or organization described in Paragraph **1.** above are completed.

II. With respect to the insurance afforded to these additional **insureds**, the following additional exclusions apply:

This insurance does not apply to:

a. **Bodily injury**, **property damage** or **personal and advertising injury** arising out of the rendering of, or the failure to render, any professional architectural, engineering or surveying services, including:

(1) The preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or
(2) Supervisory, inspection, architectural or engineering activities.

This exclusion applies even if the **claims** against any **insured** allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that **insured**, if the **occurrence** which caused the **bodily injury** or **property damage**, or the offense which caused the **personal and advertising injury**, involved the rendering of, or the failure to render any professional architectural, engineering or surveying services.

b. **Bodily injury** or **property damage** occurring after:

(1) All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional **insured**(s) at the location of the **covered operations** has been completed; or

(2) That portion of **your work** out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

III. With respect to the insurance afforded to these additional **insureds**, the following is added to **SECTION V – LIMITS OF INSURANCE**:

The most we will pay on behalf of the additional **insured** is the amount of insurance:

1. Required by the contract or agreement described in Paragraph **I.1.**; or
2. Available under the applicable limits of insurance;

whichever is less.

This endorsement shall not increase the applicable limits of insurance.

IV. With respect to the insurance afforded to these additional **insureds**, the following is added to **SECTION VI – REPORTING, DEFENSE, SETTLEMENT & COOPERATION**:

1. **Duties -- Additional Insured**

   An additional **insured** must see to it that:

   a. We are notified in writing as soon as practicable of an **occurrence** or offense which may result in a **claim** or **suit;**
   b. We receive written notice of a **claim** or **suit** as soon as practicable; and
   c. A request for defense and indemnity of the **claim** or **suit** will promptly be brought against any policy issued by another insurer under which the additional **insured** may be an insured in any capacity. This provision does not apply to insurance on which the additional **insured** is a **Named Insured**, if the contract or agreement requires that this coverage be primary and noncontributory.

V. **SECTION VII – CONDITION 10. – Other Insurance** is amended by the addition of the following which supersedes any provision to the contrary:

Primary And Noncontributory Insurance

This insurance is primary to and will not seek contribution from any other insurance available to a person(s) or organization(s) included as an additional **insured** under this endorsement provided that:

1. The additional **insured** person(s) or organization(s) is a **Named Insured** under such other insurance; and
2. You have agreed in writing in a contract or agreement, in effect during this **policy period**, that this insurance would be primary and would not seek contribution from any other insurance available to the additional **insured** person(s) or organization(s). Such contract or agreement must be executed and in effect prior to the performance of **your work** which is the subject of such contract or agreement.

However, this provision does not apply if the other insurance available to the person(s) or organization(s) included as an additional **insured** is Owners and Contractors Protective Liability, Railroad Protective Liability, or similar project-specific, primary insurance.

VI. This endorsement does not apply to an additional **insured** which has been added to this policy by an endorsement showing the additional **insured** in a **SCHEDULE** of additional **insureds**, and which endorsement applies to that designated additional **insured.**

ALL OTHER TERMS AND CONDITIONS OF THE POLICY SHALL APPLY AND REMAIN UNCHANGED.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

WAIVER OF SUBROGATION
(TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US)
AUTOMATIC STATUS – COVERAGE A, B & D

Policy Number	Policy Effective Date	Policy Expiration Date	Endorsement Effective Date
ECP2011069-17	3/1/2021	3/1/2022	3/1/2021

This endorsement modifies insurance provided under the following:

ENVIRONMENTAL COMBINED POLICY

I. The following is added to Paragraph **17. Subrogation** of **SECTION VII – CONDITIONS:**

We waive any right of recovery against any person(s) or organization(s) because of payments we make under **COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY**, **COVERAGE B – PERSONAL AND ADVERTISING INJURY LIABILITY**, and **COVERAGE D – CONTRACTORS POLLUTION LIABILITY** under this policy.

Such waiver by us applies only if:

1. The **insured** has agreed in writing in a contract or agreement with such person(s) or organization(s) to waive its right of recovery; and
2. The **insured** has waived its right of recovery against such person(s) or organization(s) prior to loss.

This waiver does not apply in any jurisdiction where such waiver is held to be illegal or against public policy or in any situation where the person(s) or organization(s) against whom subrogation is to be waived is found to be solely negligent.

This endorsement does not apply to any person(s) or organization(s) designated in a **SCHEDULE** of person(s) or organization(s) against whom rights of recovery have been waived.

ALL OTHER TERMS AND CONDITIONS OF THE POLICY SHALL APPLY AND REMAIN UNCHANGED.

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT - CALIFORNIA

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

You must maintain payroll records accurately segregating the remuneration of your employees while engaged in the work described in the Schedule.

The additional premium for this endorsement shall be 0.00% of the California workers' compensation premium otherwise due on such remuneration.

Schedule

Person or Organization

Any Principal wherein such waiver has been included before loss as part of a contractual undertaking by the Named Insured.

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.

(The information below is required only when this endorsement is issued subsequent to preparation of the policy)

Endorsement Effective
03/01/2021
Insured
T3 Contractors Corp.
Insurance Company:
Great Divide Insurance Company

Policy No.
WCA2011062-17

Endorsement No.

Premium

Countersigned by _____

POLICY NUMBER: BAP2031351-11

ENDORSEMENT

This endorsement forms a part of the policy to which it is attached. Please read it carefully.

BUSINESS AUTO - ADDITIONAL INSURED WHEN REQUIRED BY CONTRACT OR AGREEMENT

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

Section II – Liability Coverage A. – Coverage, 1. Who is an Insured, is amended to add:

d. Any person or organization to whom you become obligated to include as an additional insured under this policy, as a result of any contract or agreement you enter into, excluding contracts or agreements for professional services, which requires you to furnish insurance to that person or organization of the type provided by this policy, but only with respect to liability arising out of your operations or premises owned by or rented to you. However, the insurance provided will not exceed the lesser of:

1. The coverage and/or limits of this policy; or

2. The coverage and/or limits required by said contract or agreement.

ALL OTHER TERMS AND CONDITIONS OF THE POLICY SHALL APPLY AND REMAIN UNCHANGED.

COMMERCIAL AUTO
CA 04 49 11 16

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

PRIMARY AND NONCONTRIBUTORY - OTHER INSURANCE CONDITION

This endorsement modifies insurance provided under the following:

AUTO DEALERS COVERAGE FORM
BUSINESS AUTO COVERAGE FORM
MOTOR CARRIER COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

A. The following is added to the **Other Insurance** Condition in the Business Auto Coverage Form and the **Other Insurance – Primary And Excess Insurance Provisions** in the Motor Carrier Coverage Form and supersedes any provision to the contrary:

This Coverage Form's Covered Autos Liability Coverage is primary to and will not seek contribution from any other insurance available to an "insured" under your policy provided that:

1. Such "insured" is a Named Insured under such other insurance; and
2. You have agreed in writing in a contract or agreement that this insurance would be primary and would not seek contribution from any other insurance available to such "insured".

B. The following is added to the **Other Insurance** Condition in the Auto Dealers Coverage Form and supersedes any provision to the contrary:

This Coverage Form's Covered Autos Liability Coverage and General Liability Coverages are primary to and will not seek contribution from any other insurance available to an "insured" under your policy provided that:

1. Such "insured" is a Named Insured under such other insurance; and
2. You have agreed in writing in a contract or agreement that this insurance would be primary and would not seek contribution from any other insurance available to such "insured".

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US (WAIVER OF SUBROGATION)

This endorsement modifies insurance provided under the following:

AUTO DEALERS COVERAGE FORM
BUSINESS AUTO COVERAGE FORM
MOTOR CARRIER COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

This endorsement changes the policy effective on the inception date of the policy unless another date is indicated below.

Named Insured: T3 Contractors Corp.
Endorsement Effective Date: 03/01/21

SCHEDULE

Name(s) Of Person(s) Or Organization(s):
Any Principal wherein such waiver has been included before loss as part of a contractual undertaking by the Named Insured
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

The **Transfer Of Rights Of Recovery Against Others To Us** condition does not apply to the person(s) or organization(s) shown in the Schedule, but only to the extent that subrogation is waived prior to the "accident" or the "loss" under a contract with that person or organization.

South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4182
Phone: (909) 396-2336
www.aqmd.gov

Facility ID **169265**

Notification Number **656371**

Rule 1403 Notification of Procedure 1 3 Asbestos Removal

Please maintain a copy of this Notification at the job site, either electronic or paper.

Project Type

Project Type	**Asbestos Removal**	Project Urgency	**Routine**
Origin Date	**6/1/2021 5:03:26 PM**		
Completed By	**Jaime Thompson**	Phone Number	**(951) 977-8370**
User Email	**jaime@t3contractors.com**		

Contractor Information

Company Name	**T3 CONTRACTORS, INC**	Address	**17130 VAN BUREN BLVD**
City	**RIVERSIDE**	State	**CA**
Zip	**92504**		
CSLB License #	**867365**	OSHA REG #	**01029**
Supervisor #1	**Ramon Aguilar**	Phone	**(909) 206-3970**
Supervisor #2	**Sean McMullen**	Phone	**(951) 243-4954**
Supervisor #3	**Jorge Lopez**	Phone	**(951) 570-9341**
Supervisor #4	**Oscar Quintanilla**	Phone	**(714) 727-9436**
Supervisor #5	**Juan Valdivia**	Phone	**(323) 921-4582**
Supervisor #6	**Jose Gutierrez**	Phone	**(951) 710-7335**

Site Information

Site Name	**Will Rogers Elem HVAC**	Project #	**2021-04-001**
Site Street #	**2401**	Street Name	**14TH ST**
Cross Street		Site County	**LOS ANGELES**
City	**SANTA MONICA**	State	**CA**
Zip	**90405**		
Contact Name	**Taylor Dean**	Contact Phone	**(562)458-9483**
Site Owner	**Santa Monica Unified School District**	Owner Address	**1651 16th Street**
City	**Santa Monica**	State	**CA**
Zip	**90404**		
Project Start Date	**6/15/2021**	Project End Date	**6/25/2021**
Project Work Shift(s)	**Day**	Building Size in Sq.ft	**40000**
Number of Floors	**1**	Building Age (years)	**71**
Number of Building/Dwelling Units	**8**	Building Prior Use	**School**
Asbestos Survey	**Yes**	Asbestos Found	**Yes**
Asbestos Removed	**No**	Building to be Demolished	**No**
Describe Work	**Removal of mastic, stucco, roofing debris, texture coat**	Describe Work Location	**Building A,B,D,L,M,N,K,P**

Project Information

Asbestos Information

Amount of Asbestos in each type in Sq.Ft

Acoustic Ceiling	0	Linoleum	0	Insulation	0	Fire Proofing	0
Ducting	0	Dry Wall	0	HEPA Vacuum & wet wipe	0	Mastic (Non-friable)	960
Floor Tiles (Non-friable)	0	Transite	0	Roofing	2000	Stucco	2500
Plaster	0	Other (Friable)	0	Coal Tar Wrap	0	Mastic (Friable)	0
Floor Tile (Friable)	0	Other (Non-friable)	1000	Contaminated Soil	0		

Asbestos Amount to be Removed in Sq.Ft

FRIABLE	**0**
CLASS I	**6460**
CLASS II	**0**
Total	**6460**

Asbestos Removal From	**Surfaces**	Control Procedures	**1 , 3**
Asbestos Detection Procedure(s)	**Survey**		

Survey Information

Certified Asbestos Inspector Name	**James Byers**	Certification Expiration Date	**3/9/2021 12:00:00 AM**
Survey Plan Date	**1/13/2020 12:00:00 AM**	Phone Number	**(562)495-5777**
Email	**jim.byers@nv5.com**		

Waste Information

Waste Transporter	**ECTI**		
Address	**953 WEST REECE STREET**	City	**SAN BERNARDINO**
State	**CA**	Zip	**92411**
Landfill	**La Paz County Landfill**		
Address	**26999 Highway 95, Mile Post 128**	City	**Parker**
State	**AZ**	Zip	**95344**

Fee Payment

CPI Increase

- Due to COVID-19, the South Coast AQMD Governing Board voted to credit back the FY 2020-21 CPI-based increase of 2.8%.
- The amount due reflects this credit and shows FY 2019-20 rates.

Total Amount of Asbestos to be Removed in sq.ft	**6460**
Tracking Number	**3820908**
Project Size Fee	**466.14**
Additional Fee	**0**
Total Fee	**$ 466.14**
Payment Made	**$ 466.14**

Balance Due	**$ 0**

By clicking the Sign & Submit button, I certify that an individual trained in the provisions of SCAQMD Rule 1403 and the Asbestos NESHAP (CFR Title 40, Part 61, Subpart M) will be onsite during the demolition or renovation and evidence that the required training has been accomplished by this person will be available for inspection during normal business hours. In addition, I certify that all of the information contained herein and information submitted with this Notification is true and correct.

TEMPORARY JOBSITE NOTIFICATION

ASBESTOS RELATED WORK
TO DOSH DISTRICT COMPLIANCE OFFICE

COMPANY NAME: **T3 Contractors, Inc.**

CONTRACTORS STATE LICENSE BOARD CERTIFICATION NUMBER: **867365**

DOSH ASBESTOS REGISTRATION NUMBER: **1029**

NAME OF EMPLOYER: **Santa Monica Unified School District**

ADDRESS: **1651 16th Street Santa Monica, CA 90404**

ADDRESS AND PRECISE LOCATION OF TEMPORARY JOBSITE: **2401 14th Street Santa Monica, CA 90404**

NEAREST INTERSECTION:

TYPE OF BUSINESS AT SITE: School

NAME OF CERTIFIED SUPERVISOR: **Juan Valdivia**

NAME OF QUALIFIED PERSON IN CHARGE OF MONITORING LABORATORY WORK AND RESPIRATORS: **Juan Valdivia**

PROJECTED JOB STARTING DATE: **6/15/2021**

PROJECTED JOB COMPLETION DATE: **6/25/2021**

DESCRIBE SCOPE OF WORK PRACTICES: **Removal and disposal of asbestos containing materials, isloate work area with plastic sheeting, negative air filtration. Wet method removal of asbestos materials. Containerize waste. All spills will be wet down, covered with plastic and recontainerized.**

EVALUATION OF POTENTIAL EXPOSURE: **Low**

ESTIMATED # OF EMPLOYESS ON JOB: 5

ACCORDING TO TITLE 8 CCR SECTIONS 341.9 AND 1529(r) PROVIDE THIS COMPLETED NOTICE **TO THE NEAREST DISTRICT COMPLIANCE OFFICE (SEE ATTACHED LISTING) - NOT TO DOSH HEADQUARTERS - PRIOR TO *COMMENCEMENT OF ANY SUCH WORK ACTIVITY.***

ANY CHANGE IN THE INFORMATION PROVIDED TO THE DIVISION BY THE WRITTEN NOTICE SHALL BE REPORTED THE DIVISION **WITHIN 24 HOURS OF SUCH CHANGE.**

Addressee	Start Time	Time	Prints	Result	Note
12135767461	06-11 11:40	00:00:22	001/001	OK	

Note TMR:Timer TX, POL:Polling, ORG:Original Size Setting, FME:Frame Erase TX, DPG:Page Separation TX, MIX:Mixed Original TX, CALL:Manual TX, CSNC:CSNC, FWD:Forward, PC:PC-FAX, BND:Double-Sided Binding Direction, SP:Special Original, FCODE:F-code, RTX:Re-TX, RLY:Relay, MBX:Confidential, BUL:Bulletin, SIP:SIP Fax, IPADR:IP Address Fax, I-FAX:Internet Fax

Result OK: Communication OK, S-OK: Stop Communication, PW-OFF: Power Switch OFF, TEL: RX from TEL, NG: Other Error, CONT: Continue, No Ans: No Answer, Refuse: Receipt Refused, Busy: Busy, M-Full:Memory Full, LOVR:Receiving length Over, POVR:Receiving page Over, FIL:File Error, DC:Decode Error, NDN:NDN Response Error, DSN:DSN Response Error, PRINT:Compulsory Memory Document Print, DEL:Compulsory Memory Document Delete, SEND:Compulsory Memory Document Send.

TEMPORARY JOBSITE NOTIFICATION

ASBESTOS RELATED WORK
TO DOSH DISTRICT COMPLIANCE OFFICE

COMPANY NAME:	T3 Contractors, Inc.
CONTRACTORS STATE LICENSE BOARD CERTIFICATION NUMBER:	867365
DOSH ASBESTOS REGISTRATION NUMBER:	1029
NAME OF EMPLOYER:	Santa Monica Unified School District
ADDRESS:	1651 16th Street Santa Monica, CA 90404
ADDRESS AND PRECISE LOCATION OF TEMPORARY JOBSITE:	2401 14th Street Santa Monica, CA 90404
NEAREST INTERSECTION:	
TYPE OF BUSINESS AT SITE:	School
NAME OF CERTIFIED SUPERVISOR:	Juan Valdivia
NAME OF QUALIFIED PERSON IN CHARGE OF MONITORING LABORATORY WORK AND RESPIRATORS:	Juan Valdivia
PROJECTED JOB STARTING DATE:	6/15/2021
PROJECTED JOB COMPLETION DATE:	6/25/2021
DESCRIBE SCOPE OF WORK PRACTICES:	Removal and disposal of asbestos containing materials, isloate work area with plastic sheeting, negative air filtration. Wet method removal of asbestos materials. Containerize waste. All spills will be wet down, covered with plastic and recontainertzed.
EVALUATION OF POTENTIAL EXPOSURE:	Low
ESTIMATED # OF EMPLOYEESS ON JOB:	5

ACCORDING TO TITLE 8 CCR SECTIONS 341.9 AND 1529(r) PROVIDE THIS COMPLETED NOTICE TO THE NEAREST DISTRICT COMPLIANCE OFFICE (SEE ATTACHED LISTING) - NOT TO DOSH HEADQUARTERS - PRIOR TO *COMMENCEMENT OF ANY SUCH WORK ACTIVITY.*

ANY CHANGE IN THE INFORMATION PROVIDED TO THE DIVISION BY THE WRITTEN NOTICE SHALL BE REPORTED THE DIVISION WITHIN 24 HOURS OF SUCH CHANGE.

JOB SITE DAILY REPORT / SAFETY MEETING

T3 CONTRACTORS

Project Number: 2021-04-001

Project Name: Will Rogers E.S.

FOREMAN: JUAN VALDIVIA.

DATE: 06/15/21

MON TUES WED THURS FRI SAT SUN

EMPLOYEE HOURS

	NAME (Print Name)	TYPE OF WORK: LEAD	ASB	APPR	DEMO	SWF	TIME IN AM	LUNCH OUT AM	LUNCH IN AM	TIME OUT PM	TOTAL HOURS	EMPLOYEE INITIAL
1	JUAN VALDIVIA		✓				7:00	11:00	11:30	3:30	8	JV
2	Jose' Jimenez		✓				7:00	11:00	11:30	3:30	8	J.J
3	Simon Sanchez Jimenez		✓				7:00	11:00	11:30	3:30	8	S.S
4	Omar Carton		✓				7:00	11:00	11:30	3:30	8	OC
5	Jose G Maravilla		✓				7:00	11:00	11:30	3:30	8	JGM
6	Brianda Gutierrez		✓				7:00	/	/	11:00	4	BG
7	Alfredo Solis		✓				7:00	11:00	11:30	3:30	8	AS
8	Luis Cardona		✓				7:00	11:00	11:30	3:30	8	LC
9												
10												
11												
12												

Safety Meeting

Conducted by: JUAN VALDIVIA. Duration of Meeting: 10 Minutes.

Topic: Coronavirus, Asbestos, Personal Protection, Ladders, Hand and Power Tools,

Name (Printed) and Signature of Employees Present:

1 JUAN VALDIVIA	1 JUAN VALDIVIA.	7 Alfredo Solis	7 Alfredo Solis
2 Jose' Jimenez	2	8 Luis Cardona	8
3 Simon Sanchez Jimen	3	9	9
4 Omar Carton	4	10	10
5 Jose G Maravillas	5	11	11
6 Brianda Gutierrez	6	12	12

FORMAN SIGNATURE: JUAN VALDIVIA. DATE: 06/15/21

JOB SITE DAILY REPORT / SAFETY MEETING

T3 CONTRACTORS

Project Number: 2021-04-001

Project Name: Will Rogers

FOREMAN: JUAN VALDIVIA.

DATE: 06/16/21

MON TUES WED THURS FRI SAT SUN

EMPLOYEE HOURS

	NAME (Print Name)	TYPE OF WORK					TIME IN AM	LUNCH OUT AM	LUNCH IN AM	TIME OUT PM	TOTAL HOURS	EMPLOYEE INITIAL
		LEAD	ASB	APPR	DEMO	SWF						
1	JUAN VALDIVIA		✓				7:00	11:00	11:30	3:30	8	JV
2	ALFNEDO Solis		✓				7:00	11:00	11:30	3:30	8	AS
3	Jose G Maravilles		✓				7:00	11:00	11:30	3:30	8	JGM
4	José Jimenez		✓				7:00	11:00	11:30	3:30	8	J. J
5	Omar Cortez		✓				7:00	11:00	11:30	3:30	8	OC
6	Simon Sanchez Jim		✓				7:00	11:00	11:30	3:30	8	S. S
7	Brianda Gutierrez		✓				7:00	11:00	11:30	3:30	8	BG
8	Luis Cardona		✓				7:00	11:00	11:30	3:30	8	LC
9												
10												
11												
12												

Safety Meeting

Conducted by: JUAN VALDIVIA **Duration of Meeting:** 15 Minutes

Topic: Coronavirus, Personal Protection, Ladders, Asbestos, Hand and Power Tools, Safety First.

Name (Printed) and Signature of Employees Present:

1 JUAN VALDIVIA	1 JUAN VALDIVIA	7 Brianda Gutierrez	7
2 Jose G Maravilles	2	8 Luis Cardona	8
3 ALFNEDO Solis	3	9	9
4 José Jimenez	4	10	10
5 Omar Cortez	5	11	11
6 Simon Sanchez Jim	6	12	12

FORMAN SIGNATURE: JUAN VALDIVIA. DATE: 06/16/21

JOB SITE DAILY REPORT / SAFETY MEETING

T3 CONTRACTORS

Project Number: 2021-04-001

Project Name: Will Rogers E.S.

FOREMAN: JUAN VALDIVIA.

DATE: 06/17/21

MON TUES WED THURS FRI SAT SUN

EMPLOYEE HOURS

	NAME (Print Name)	TYPE OF WORK: LEAD	ASB	APPR	DEMO	SWF	TIME IN AM	LUNCH OUT AM	LUNCH IN AM	TIME OUT PM	TOTAL HOURS	EMPLOYEE INITIAL
1	JUAN VALDIVIA		✓				7:00	11:00	11:30	3:30	8	JV
2	Jose G Maravillas		✓				7:00	11:00	11:30	3:30	8	JGM
3	Jose Jimenez		✓				7:00	11:00	11:30	3:30	8	J.J
4	Oscar Castro		✓				7:00	11:00	11:30	3:30	8	O.C
5	Alfredo Solis		✓				7:00	11:00	11:30	3:30	8	AS
6	Simon Sanchez Jimenez		✓				7:00	11:00	11:30	3:30	8	S.S
7	Brianda Gutierrez						7:00	11:00	11:30	3:30	8	BG
8	Luis Cardona		✓				7:00	11:00	11:30	3:30	8	LC
9												
10												
11												
12												

Safety Meeting

Conducted by: JUAN VALDIVIA. Duration of Meeting: 15 Minutes.

Topic: Coronavirus, Personal Protection, Hand and Power Tools, Ladders, Asbestos Abatement.

Name (Printed) and Signature of Employees Present:

1 JUAN VALDIVIA	1 JUAN VALDIVIA	7 Brianda Gutierrez	7 Brianda Gutierrez
2 Jose G Maravillas	2	8 Luis Cardona	8
3	3	9	9
4 JOSE JIMENEZ	4	10	10
5 ALFREDO SOLIS	5	11	11
6 Simon Sanchez Jimenez	6	12	12

FORMAN SIGNATURE: JUAN VALDIVIA DATE: 06/17/21

JOB SITE DAILY REPORT / SAFETY MEETING

T3 CONTRACTORS

Project Number: 2021-04-001

Project Name: Will Rogers E.S.

FOREMAN: JUAN VALDIVIA

DATE: 06/18/21

MON TUES WED THURS (FRI) SAT SUN

EMPLOYEE HOURS

	NAME (Print Name)	TYPE OF WORK: LEAD	ASB	APPR	DEMO	SWF	TIME IN AM	LUNCH OUT AM	LUNCH IN AM	TIME OUT PM	TOTAL HOURS	EMPLOYEE INITIAL
1	JUAN VALDIVIA		✓				7:00	11:00	11:30	3:30	8	JV
2	Jose G Maravillas		✓				7:00	11:00	11:30	3:30	8	JGM
3	Jose Jimenez		✓				7:00	11:00	11:30	3:30	8	J.J
4	Omar Castro		✓				7:00	11:00	11:30	3:30	8	O.C
5	Alfredo Solis		✓				7:00	11:00	11:30	3:30	8	AS
6	Simon Sanchez Jimenez		✓				7:00	11:00	11:30	3:30	8	S.J
7	Luis Cardona		✓				7:00	11:00	11:30	3:30	8	LC
8												
9												
10												
11												
12												

Safety Meeting

Conducted by: JUAN VALDIVIA Duration of Meeting: 15 Minutes

Topic: Coronavirus, Personal Protection, Hand and Power Tools, Asbestos Abatement.

Name (Printed) and Signature of Employees Present:

1 JUAN VALDIVIA	1 JUAN VALDIVIA	7 Luis Cardona	7
2 Jose G Maravillas	2	8	8
3 Jose Jimenez	3	9	9
4 Omar Castro	4	10	10
5 Alfredo Solis	5	11	11
6 Simon Sanchez Jimenez	6	12	12

FORMAN SIGNATURE: JUAN VALDIVIA DATE: 06/18/21

T3 CONTRACTORS

ASB/LEAD ABATEMENT DAILY FORM

PROJECT #: 2021-04-001 DATE: 06/18/21

PROJECT NAME: Will Rogers E.S. FORMAN: JUAN VALDIVIA.

REGULATED ENTRY LOG

	NAME	IN		OUT		IN		OUT		TOT HRS	INITIAL
1)	J VALDIVIA										JV
2)	Jose G Maravilla	8:	02	10:	52	/	/	/	/		JGM
3)	Jose Jimenez	8:	04	10:	55	/	/	/	/		JJ
4)	Jesus Castro	7:	26	10:	31	12:	18	2:	55		OC
5)	Alfredo Solis	7:	23	10:	53	12:	22	3:	01		AS
6)	Simon Sanchez Jimenez										S.S
7)	Luis Cardona	7:	49	10:	54	12:	50	2:	20		LC
8)											
9)											
10)											
11)											
12)											

BY SIGNING ABOVE, I ACKNOWLEDGE THAT I HAVE READ AND AM FAMILIAR WITH THE POSTED REGULATIONS, PERSONAL AND PROTECTION REQUIREMENTS, INCLUDING WORK AREA ENTRY/EXIT AND EMERGENCY PROCEDURES. ALSO BY SIGNING, I AGREE THAT I AM AWARE OF THE DANGERS I AM EXPOSED TO BY ENTERING THIS REGULATED WORK AREA AND THAT I HAVE BEEN TRAINED IN THE PROPER USE OF THE PERSONAL PROTECTIVE EQUIPMENT THAT I AM DONNING.

DAILY CHECKLIST

		Y	N
I.	**WORK SITE BARRIER CONTAINMENT**		
	BARRIER TAPE AROUND WORK AREA	☒	☐
	WARNING SIGNS POSTED AT ENTRANCE	☒	☐
	AREA HEATING/VENTILATION SYSTEM OFF	☐	☒
	FLOOR COVERED (WHERE APPLICABLE)	☒	☐
	WALLS COVERED	☒	☐
	ALL EDGES SEALED	☒	☐
	PENETRATIONS SEALED	☐	☒
	ENTRY CURTAINS ERECT AND OPERABLE	☐	☒
II.	**DIFFERENTIAL PRESSURE CONTAINMENT**		
	AIR FILTERING DEVICES IN CONSTANT OPERATION	☐	☒
	DIFFERENTIAL PRESSURE ACHIEVED	☐	☒
	RECORDING MANOMETER IN OPERATION	☐	☒
III.	**ELECTRICAL**		
	ALL WIRING CHECKED FOR LIVE VOLTAGE	☒	☐
	WORKERS PROTECTED AGAINST LIVE VOLTAGE	☒	☐
	GROUND FAULT CIRCUIT INTERRUPTERS IN USE	☒	☐
IV.	**WORK PRACTICES**		
	ASBESTOS MATERIALS WORKED WET	☒	☐
	REMOVED MATERIAL PROMPTLY BAGGED	☒	☐
	BAGS PROPERLY LABELED AND GOOSE-NECK SEALED	☒	☐

		Y	N
IV.	**WORK PRACTICES CONTINUED**		
	HEPA VACUUM USED	☒	☐
	WORK AREA CLEANED AT END OF SHIFT	☒	☐
	WORKERS DECONTAMINATION AT EACH DEPARTURE	☒	☐
	NO SMOKING, EATING OR DRINKING IN CONTAINMENT	☒	☐
V.	**PERSONNEL PROTECTION**		
	MEDICAL EXAMINATION AND TRAINING CONDUCTED	☒	☐
	PERSONAL AIR SAMPLING CONDUCTED AND POSTED	☒	☐
	DISPOSABLE CLOTHING WORN CORRECTLY	☒	☐
	TORN DISPOSABLE CLOTHING REPLACED PROMPTLY	☒	☐
	APPROPRIATE REPIRATOR INSPECTED AND CLEANED DAILY	☒	☐
	HARD HATS WORN CORRECTLY	☒	☐
	EYE PROTECTION WORN CORRECTLY	☒	☐
VI.	**DECONTAMINATION**		
	SHOWERS ON-SITE AND FUNCTIONING PROPERLY	☐	☒
	ADEQUATE SOAP AND TOWELS AVAILABLE	☒	☐
	ALL WORKERS SHOWERING CORRECTLY	☐	☒
	WATER FILTRATION SYSTEM IN OPERATION	☐	☒

FOREMAN SIGNATURE: JUAN VALDIVIA DATE: 06/18/21

JOB SITE DAILY REPORT / SAFETY MEETING

T3 CONTRACTORS

Project Number: 2021-04-001
Project Name: Will Rogers E.S.
FOREMAN: Juan Valdivia.
DATE: 06/21/21
MON (circled) TUES WED THURS FRI SAT SUN

EMPLOYEE HOURS

	NAME (Print Name)	LEAD	ASB	APPR	DEMO	SWF	TIME IN AM	LUNCH OUT AM	LUNCH IN AM	TIME OUT PM	TOTAL HOURS	EMPLOYEE INITIAL
1	Juan Valdivia		✓				7:00	11:00	11:30	4:30	9	JV
2	José Jiménez		✓				7:00	11:00	11:30	4:30	9	A.A.
3	Jose G Maravillas		✓				7:00	11:00	11:30	4:30	9	JGM
4	Alfredo Solis		✓				7:00	11:00	11:30	4:30	9	AS
5												
6												
7												
8												
9												
10												
11												
12												

Safety Meeting

Conducted by: Juan Valdivia **Duration of Meeting:** 10 Minutes.

Topic: Coronavirus, Personal Protection, Scaffold. Hand and Power Tools, Sharp Metal, Safety First

Name (Printed) and Signature of Employees Present:

1 Juan Valdivia	1 Juan Valdivia.	7	7
2 José Jiménez	2 [illegible]	8	8
3 Jose G Maravillas	3 Gerardo M S	9	9
4 Alfredo Solis	4 [illegible]	10	10
5	5	11	11
6	6	12	12

FORMAN SIGNATURE: Juan Valdivia. **DATE:** 06/21/21

Setting up.

T3 CONTRACTORS

ASB/LEAD ABATEMENT DAILY FORM

PROJECT #: 2021-04-001

PROJECT NAME: Will Rogers E.S.

DATE: 06/21/21

FORMAN: JUAN VALDIVIA.

REGULATED ENTRY LOG

	NAME	IN	OUT	IN	OUT	IN	OUT	IN	OUT	TOT HRS	INITIAL
1)											
2)											
3)											
4)											
5)											
6)											
7)											
8)											
9)											
10)											
11)											
12)											

N/A

BY SIGNING ABOVE, I ACKNOWLEDGE THAT I HAVE READ AND AM FAMILIAR WITH THE POSTED REGULATIONS, PERSONAL AND PROTECTION REQUIREMENTS, INCLUDING WORK AREA ENTRY/EXIT AND EMERGENCY PROCEDURES. ALSO BY SIGNING, I AGREE THAT I AM AWARE OF THE DANGERS I AM EXPOSED TO BY ENTERING THIS REGULATED WORK AREA AND THAT I HAVE BEEN TRAINED IN THE PROPER USE OF THE PERSONAL PROTECTIVE EQUIPMENT THAT I AM DONNING.

DAILY CHECKLIST

		Y	N
I.	**WORK SITE BARRIER CONTAINMENT**		
	BARRIER TAPE AROUND WORK AREA		
	WARNING SIGNS POSTED AT ENTRANCE		
	AREA HEATING/VENTILATION SYSTEM OFF		
	FLOOR COVERED (WHERE APPLICABLE)		
	WALLS COVERED		
	ALL EDGES SEALED		
	PENETRATIONS SEALED		
	ENTRY CURTAINS ERECT AND OPERABLE		
II.	**DIFFERENTIAL PRESSURE CONTAINMENT**		
	AIR FILTERING DEVICES IN CONSTANT OPERATION		
	DIFFERENTIAL PRESSURE ACHIEVED		
	RECORDING MANOMETER IN OPERATION		
III.	**ELECTRICAL**		
	ALL WIRING CHECKED FOR LIVE VOLTAGE		
	WORKERS PROTECTED AGAINST LIVE VOLTAGE		
	GROUND FAULT CIRCUIT INTERRUPTERS IN USE		
IV.	**WORK PRACTICES**		
	ASBESTOS MATERIALS WORKED WET		
	REMOVED MATERIAL PROMPTLY BAGGED		
	BAGS PROPERLY LABELED AND GOOSE-NECK SEALED		

N/A

		Y	N
IV.	**WORK PRACTICES CONTINUED**		
	HEPA VACUUM USED		
	WORK AREA CLEANED AT END OF SHIFT		
	WORKERS DECONTAMINATION AT EACH DEPARTURE		
	NO SMOKING, EATING OR DRINKING IN CONTAINMENT		
V.	**PERSONNEL PROTECTION**		
	MEDICAL EXAMINATION AND TRAINING CONDUCTED		
	PERSONAL AIR SAMPLING CONDUCTED AND POSTED		
	DISPOSABLE CLOTHING WORN CORRECTLY		
	TORN DISPOSABLE CLOTHING REPLACED PROMPTLY		
	APPROPRIATE REPIRATOR INSPECTED AND CLEANED DAILY		
	HARD HATS WORN CORRECTLY		
	EYE PROTECTION WORN CORRECTLY		
VI.	**DECONTAMINATION**		
	SHOWERS ON-SITE AND FUNCTIONING PROPERLY		
	ADEQUATE SOAP AND TOWELS AVAILABLE		
	ALL WORKERS SHOWERING CORRECTLY		
	WATER FILTRATION SYSTEM IN OPERATION		

FOREMAN SIGNATURE: JUAN VALDIVIA. DATE: 06/21/21

TEMPORARY JOBSITE NOTIFICATION

ASBESTOS RELATED WORK
TO DOSH DISTRICT COMPLIANCE OFFICE

COMPANY NAME: **T3 Contractors, Inc.**

CONTRACTORS STATE LICENSE BOARD CERTIFICATION NUMBER: **867365**

DOSH ASBESTOS REGISTRATION NUMBER: **1029**

NAME OF EMPLOYER: **Santa Monica Unified School District**

ADDRESS: **1651 16th Street Santa Moncia, CA 90404**

ADDRESS AND PRECISE LOCATION OF TEMPORARY JOBSITE: **2401 14th Street Santa Monica, CA 90404**

NEAREST INTERSECTION:

TYPE OF BUSINESS AT SITE: School

NAME OF CERTIFIED SUPERVISOR: **Jose Gutierrez**

NAME OF QUALIFIED PERSON IN CHARGE OF MONITORING LABORATORY WORK AND RESPIRATORS: **Jose Gutierrez**

PROJECTED JOB STARTING DATE: **7/20/2021**

PROJECTED JOB COMPLETION DATE: **7/21/2021**

DESCRIBE SCOPE OF WORK PRACTICES: **Removal and disposal of asbestos containing materials, isloate work area with plastic sheeting, negative air filtration. Wet method removal of asbestos materials. Containerize waste. All spills will be wet down, covered with plastic and recontainerized.**

EVALUATION OF POTENTIAL EXPOSURE: **Low**

ESTIMATED # OF EMPLOYESS ON JOB: 2

ACCORDING TO TITLE 8 CCR SECTIONS 341.9 AND 1529(r) PROVIDE THIS COMPLETED NOTICE **TO THE NEAREST DISTRICT COMPLIANCE OFFICE (SEE ATTACHED LISTING) - NOT TO DOSH HEADQUARTERS - PRIOR TO *COMMENCEMENT OF ANY SUCH WORK ACTIVITY.***

ANY CHANGE IN THE INFORMATION PROVIDED TO THE DIVISION BY THE WRITTEN NOTICE SHALL BE REPORTED THE DIVISION **WITHIN 24 HOURS OF SUCH CHANGE.**

TX Result Report

07/19/2021 14:00
Serial No. A7R0017017407
TC: 102593

Addressee	Start Time	Time	Prints	Result	Note
12135767461	07-19 13:59	00:00:25	001/001	OK	

Note TMR:Timer TX, POL:Polling, ORG:Original Size Setting, FME:Frame Erase TX, PSP:Page Seperation TX, MIX:Mixed Original TX, CAL:Manual TX, CSRC:CSRC, FWD:Forward, PC:PC-FAX, BND:Double-Sided Binding Direction, SP:Special Original, FCODE:F-Code, RTX:Re-TX, RLY:Relay, MBX:Confidential, BOL:Bulletin, SIP:SIP Fax, IPADR:IP Address Fax, I-FAX:Internet Fax

Result OK: Communication OK, S-OK: Stop Communication, PW-OFF: Power Switch OFF, TEL: Rx From TEL, NG: Other Error, Cont: Continue, No Ans: No Answer, Refuse: Receipt Refused, Busy: Busy, M-Full:Memory Full, LOVR:Receiving length Over, POVR:Receiving page Over, FIL:File Error, DC:Decode Error, NDN:NDN Response Error, DSN:DSN Response Error, PRINT:Compulsory Memory Document Print, DEL:Compulsory Memory Document Delete, SEND:Compulsory Memory Document Send.

TEMPORARY JOBSITE NOTIFICATION

ASBESTOS RELATED WORK
TO DOSH DISTRICT COMPLIANCE OFFICE

COMPANY NAME: **T3 Contractors, Inc.**

CONTRACTORS STATE LICENSE BOARD CERTIFICATION NUMBER: **867365**

DOSH ASBESTOS REGISTRATION NUMBER: **1029**

NAME OF EMPLOYER: **Santa Monica Unified School District**

ADDRESS: **1651 16th Street Santa Moncia, CA 90404**

ADDRESS AND PRECISE LOCATION OF TEMPORARY JOBSITE: **2401 14th Street Santa Monica, CA 90404**

NEAREST INTERSECTION:

TYPE OF BUSINESS AT SITE: **School**

NAME OF CERTIFIED SUPERVISOR: **Jose Gutierrez**

NAME OF QUALIFIED PERSON IN CHARGE OF MONITORING LABORATORY WORK AND RESPIRATORS: **Jose Gutierrez**

PROJECTED JOB STARTING DATE: **7/20/2021**

PROJECTED JOB COMPLETION DATE: **7/21/2021**

DESCRIBE SCOPE OF WORK PRACTICES: **Removal and disposal of asbestos containing materials, isloate work area with plastic sheeting, negative air filtration. Wet method removal of asbestos materials. Containerize waste. All spills will be wet down, covered with plastic and recontainerized.**

EVALUATION OF POTENTIAL EXPOSURE: **Low**

ESTIMATED # OF EMPLOYESS ON JOB: **2**

ACCORDING TO TITLE 8 CCR SECTIONS 341.9 AND 1529(r) PROVIDE THIS COMPLETED NOTICE **TO THE NEAREST DISTRICT COMPLIANCE OFFICE (SEE ATTACHED LISTING) - NOT TO DOSH HEADQUARTERS - PRIOR TO *COMMENCEMENT OF ANY SUCH WORK ACTIVITY.***

ANY CHANGE IN THE INFORMATION PROVIDED TO THE DIVISION BY THE WRITTEN NOTICE SHALL BE REPORTED THE DIVISION **WITHIN 24 HOURS OF SUCH CHANGE.**

JOB SITE DAILY REPORT / SAFETY MEETING

T3 CONTRACTORS

Project Number: 2021-04-001

Project Name: Will Rogers

FOREMAN: Jose Gutierrez

DATE: 7-20-21

MON (TUES) WED THURS FRI SAT SUN

EMPLOYEE HOURS

	NAME (Print Name)	TYPE OF WORK					TIME IN	LUNCH OUT	LUNCH IN	TIME OUT	TOTAL HOURS	EMPLOYEE INITIAL
		LEAD	ASB	APPR	DEMO	SWF						
1	Jose. Gutierrez		9				6:30	10:30	11:30	3:00	8	JG
2	Christian Acosta		x				6:30	10:30	11:30	3:00	8	CA
3												
4												
5												
6												
7												
8												
9												
12												

Safety Meeting

Conducted by: Jose. Gutierrez. Duration of Meeting: 5min

Topic: Stay hydrated. ppe at all times on jobsite.

Name (Printed) and Signature of Employees Present:

1
2 Christian Acosta
3
4
5
6
7
8
9
10
11
12

FORMAN SIGNATURE:

DATE: 7-20-21

T3 CONTRACTORS

ASB/LEAD ABATEMENT DAILY FORM

PROJECT #: 2021-04-001 DATE: 7-20-21

PROJECT NAME: Will Rogers E FORMAN: Jose Gutierrez

REGULATED ENTRY LOG

	NAME	IN	OUT	IN	OUT	IN	OUT	IN	OUT	TOT HRS	INITIAL
1)											
2)	Christian Flores	7:39	9:40	10:59	12:45						
3)											CF
4)											
5)											
6)											
7)											
8)											
9)											
10)											
11)											
12)											

BY SIGNING ABOVE, I ACKNOWLEDGE THAT I HAVE READ AND AM FAMILIAR WITH THE POSTED REGULATIONS, PERSONAL AND PROTECTION REQUIREMENTS, INCLUDING WORK AREA ENTRY/EXIT AND EMERGENCY PROCEDURES. ALSO BY SIGNING, I AGREE THAT I AM AWARE OF THE DANGERS I AM EXPOSED TO BY ENTERING THIS REGULATED WORK AREA AND THAT I HAVE BEEN TRAINED IN THE PROPER USE OF THE PERSONAL PROTECTIVE EQUIPMENT THAT I AM DONNING.

DAILY CHECKLIST

		Y	N
I.	**WORK SITE BARRIER CONTAINMENT**		
	BARRIER TAPE AROUND WORK AREA	☐	☐
	WARNING SIGNS POSTED AT ENTRANCE	☐	☐
	AREA HEATING/VENTILATION SYSTEM OFF	☐	☐
	FLOOR COVERED (WHERE APPLICABLE)	☐	☐
	WALLS COVERED	☐	☐
	ALL EDGES SEALED	☐	☐
	PENETRATIONS SEALED	☐	☐
	ENTRY CURTAINS ERECT AND OPERABLE	☐	☐
II.	**DIFFERENTIAL PRESSURE CONTAINMENT**		
	AIR FILTERING DEVICES IN CONSTANT OPERATION	☐	☐
	DIFFERENTIAL PRESSURE ACHIEVED	☐	☐
	RECORDING MANOMETER IN OPERATION	☐	☐
III.	**ELECTRICAL**		
	ALL WIRING CHECKED FOR LIVE VOLTAGE	☐	☐
	WORKERS PROTECTED AGAINST LIVE VOLTAGE	☐	☐
	GROUND FAULT CIRCUIT INTERRUPTERS IN USE	☐	☐
IV.	**WORK PRACTICES**		
	ASBESTOS MATERIALS WORKED WET	☐	☐
	REMOVED MATERIAL PROMPTLY BAGGED	☐	☐
	BAGS PROPERLY LABELED AND GOOSE-NECK SEALED	☐	☐

		Y	N
IV.	**WORK PRACTICES CONTINUED**		
	HEPA VACUUM USED	☐	☐
	WORK AREA CLEANED AT END OF SHIFT	☐	☐
	WORKERS DECONTAMINATION AT EACH DEPARTURE	☐	☐
	NO SMOKING, EATING OR DRINKING IN CONTAINMENT	☐	☐
V.	**PERSONNEL PROTECTION**		
	MEDICAL EXAMINATION AND TRAINING CONDUCTED	☐	☐
	PERSONAL AIR SAMPLING CONDUCTED AND POSTED	☐	☐
	DISPOSABLE CLOTHING WORN CORRECTLY	☐	☐
	TORN DISPOSABLE CLOTHING REPLACED PROMPTLY	☐	☐
	APPROPRIATE REPIRATOR INSPECTED AND CLEANED DAILY	☐	☐
	HARD HATS WORN CORRECTLY	☐	☐
	EYE PROTECTION WORN CORRECTLY	☐	☐
VI.	**DECONTAMINATION**		
	SHOWERS ON-SITE AND FUNCTIONING PROPERLY	☐	☐
	ADEQUATE SOAP AND TOWELS AVAILABLE	☐	☐
	ALL WORKERS SHOWERING CORRECTLY	☐	☐
	WATER FILTRATION SYSTEM IN OPERATION	☐	☐

FOREMAN SIGNATURE: _____ DATE: 7-20-21

Certificate Of Completion

Asbestos Contractor/Supervisor Refresher Course

DOSH #:CA-015-04

Juan Valdivia

Last 4 digits of SSN: 2849

ASR0220210010N27065

Rodney Stansfield

Principal Instructor

2/20/2021
Course Start Date

2/20/2021
Course End Date

Michael W. Horner

Michael W. Horner
Training Director

2/20/2021
Exam Date

2/20/2022
Expiration Date

This course satisfies the education requirements for Asbestos accreditation under the Toxic Substances Control Act, Title II. This course has been approved by the Department of Industrial Relations, Division of Occupational Safety and Health of the State of California

NATEC International, Inc.

National Association of Training and Environmental Consulting

1100 Technology Circle- Suite A, Anaheim, CA 92805 • www.natecintl.com • 800-969-3228

Important Industry Contacts

CAL-OSHA: Ph# (916) 574-2993
(916) 483-0572 Fax Notification
Web: www.dir.ca.gov or calosha.com

CDPH/CLPPB: Ph# (510) 620-5600
Web: www.cdph.ca.gov/programs/CLPPB

SCAQMD: Ph# (909) 396-3739
Fax#(909) 396-3342

BAAQMD: Ph# (415) 749-4762

NATEC International, Inc.

National Association of Training and Environmental Consulting

Anaheim, CA • Oakland, CA • Fresno, CA • Sacramento, CA

Asbestos • Lead • Mold • HAZWOPER

P.O. Box 25205 Anaheim, CA 92825-5205

(714) 678-2750, (800) 969-3228, Fax (714) 678-2757

www.natecintl.com

NATEC International, Inc.

National Association of Training and Environmental Consulting

*Note: Card is not suitable substitute for certificate and is not accepted by SCAQMD as proof of certification

This Card Acknowledges That
Juan Valdivia

Holds Training Certification For
Asbestos Contractor/Supervisor Refresher Course

Expiration: 2/20/2022

2/20/2021
Training Date

ASR0220210010N27065
Certificate No.

Michael W. Horner
Training Director

Patient: Valdivia, Juan F. -2849 **DOB:** 01/27/1972 **Service Date:** 08/22/2020

Concentra Occupational Med Ctrs-CA
1313 W 8th St Ste 100 Los Angeles, CA 90017
Phone: (213) 401-1970 Fax: (213) 401-1980

Written Medical Opinion for Respirator Use

(Provide a copy to employee and employer, store in chart)

Medical evaluation for respirator use was completed in accordance with 29 CFR 1910.134.
(La evaluación médica y opinión para el uso de respiradores se completó de acuerdo con 29 CFR 1910.134)

This evaluation indicates employee may wear the type(s) of respirator(s) checked below. There are no recommended limitations upon the workplace conditions in which the respirator will be used unless remarked in *Comments* section. Please note: If additional/new types of respirator(s) are utilized in the future, a new respirator medical clearance is required. (Esta evaluación indica que el empleado puede usar el tipo (s) de respirador (es) que se muestra a continuación. No hay limitaciones recomendadas sobra las condiciones del lugar de trabajo en las que se usará el respirador, a menos que se indique lo contrario en la sección Comentarios. Tenga en cuenta: Si en el futuro se utilizan más / nuevos tipos de respiradores, se requiera una nueva autorización médica para respiradores.)

- [✓] **Disposable N, P or R. 95, 99 or 100 filtering face piece** (Desechable pieza facial filtrante)
- [✓] **Half face respirator with particulate gas/vapor cartridges** (Respirador de media cara con cartuchos de partículas de gas / vapor)
- [✓] **Full face respirator with particulate gas/vapor cartridges** (Respirador de cara completa con cartuchos de gas / vapor de partículas)
- [ ] **Self-contained breathing apparatus (SCBA)** (Un equipo de respiración autónomo)
- [ ] **Supplied air (loose fitting)** (Aire suministrado (ajuste suelto))

___ **The employee may not wear a respirator.** (El empleado no puede usar un respirador.)

___ **Employee must schedule a medical examination prior to respirator approval and usage.**
(Programar un examen médico antes de la aprobación del respirador)

___ **The following restrictions or limitations are indicated** (Se indican las siguientes restricciones o limitaciones):

- [ ] **Positive air purifying respirator (PAPR)** (Respirador purificador de aire positivo)
- [ ] **No emergency response or immediately dangerous to life and health (IDLH) work**
  (Trabajo sin respuesta de emergencia o peligro inmediato para la vida y la salud
- [ ] **Other** (otro): _____

___ **The employee has been informed of the results of this evaluation and any medical conditions which require further examination or treatment and they were provided with a copy of this written statement:** (El empleado ha sido informado de los resultados de esta evaluación y de cualquier condición médica que requiera un examen o tratamiento adicional y se les proporcionó una copia de esta declaración por escrito:)

- [✓] **In person** (En persona)
- [ ] **In writing** (Questionnaire review only, without the employee present)
  (escrito solo una revisión del Cuestionario, empleado no presente)

___ **This medical evaluation expires on** (Esta evaluación médica expira el): 06·22·2021.

Employees are to report any difficulties in respirator use or change in health status to their supervisor, physician or licensed health care provider. (Los empleados deben informar cualquier dificultad en el uso del respirador o cambio en el estado de salud.)

___ **Comments:** (Comentarios)

- [ ] **Eyewear conversion kit needed.** (Se necesita un kit de conversión de gafas.)
- [ ] **Facial hair needs to be shaved to assure a tight seal on tight fitting masks.**
  (El vello facial debe afeitarse para asegurar un cierre hermético en las máscaras ajustadas.)
- [ ] **Other** (otro): _____

Clinician Name: NAHN PHUNG, MA Clinician Signature: _____ Date: _____

RESPCLEARWMO -1

QUALITATIVE FIT TESTING AND ISSUANCE OF RESPIRATOR

NAME OF INDIVIDUAL TESTED: Juan Valdivia

SOCIAL SECURITY NUMBER: XXX - XX - 2849

MAKE, MODEL, SIZE OF RESPIRATOR: North 7700 Series, Large

TYPE OF CARTRIDGE:

__X__ HEPA _____ CHARCOAL FILTER _____ COMBINATION _____ OTHER

DESCRIPTION OF TEST:

1) Respirator is donned and straps adjusted to correct fit.
2) Visual check is made to ensure tight fit around facial contours.
3) Exhalation / Inhalation and simulated mouth movement test are performed.
4) Irritant smoke is used to check fit.

SIGNATURE OF TESTING OPERATOR:

x _____

DATE: October 3, 2020

_____ Original Issuance

__X__ Annually Re-issuance

T3 CONTRACTORS, INC.
17130 VAN BUREN BLVD. #53, RIVERSIDE, CA 92504
PHONE (951) 943-4000 FAX (951) 943-4403

CERTIFICATE NUMBER
94763

Certificate of Attendance

This is to Certify that

JOSE JIMENEZ

Has Completed the Course of

AHERA ASBESTOS ABATEMENT WORKER 8 HR. REFRESHER COURSE (SPANISH) CA-014-12

UNDER TSCA 206, FOR PURPOSES OF COMPLIANCE WITH 29 CFR 1926.1101 AND TITLE 8 CCR 1529 AND TITLE 8 CCR 5208.

ARMANDO DUCOING
DIRECTOR

May 08, 2021	E050821SWR 050821	May 08, 2022
COMPLETION DATE	CLASS NUMBER / STARTING DATE	CERTIFICATE EXPIRES

Ecologics Training Institute

2487 E Orangethorpe Ave . Fullerton, CA 92831 . Ph (714) 632-8100 . Fax (714) 632-8111 . www.ecologicsonline.com

2813
José Jimenez

BELLA MEDICAL GROUP INC
9914-16 SAN JUAN AVE.
SOUTH GATE, CA 90280
TEL (323)564-1100 FAX (323) 564-1133
FITNESS FOR DUTY FORM

DATE OF EXAM: 06/01/2021

NAME: JOSE JIMENEZ DOB:10/05/1969 AGE:51 YEARS OLD SSN: XXX-XX-XXXX

TYPE OF EXAMINATION: (X) Pre-Employment (X) Periodic ( ) DOT Overseas ( ) Return to Work (X) Pulmonary Function (X) Asbestos ( ) others_____

RECOMMENDATIONS:
The following medical recommendation are based on a review of the health history examination finding related tests or studies and the specific physical capacities required for the position applied for or currently held by the examine.

(X) The examination indicates no significant pathological condition. Can be assigned to any work consistent with skills training.
( ) The examination indicates no-occupational pathological conditions. Can be28/1966 followed by the personal physical. Can be assigned to any work consistent with skills and training.
( ) The examination indicates non- occupational pathological conditions, to be followed by the personal physician. Acceptable for work, but should not be assigned without a review from Medical Department.
( ) The examination indicates that a pathological condition exist which work assigned as follows:
(X) Medically qualified w/no restrictions / no x-ray needed

( ) Lifting over_____	**( ) Use of hearing protection devices**
( ) Walking	**( ) Use of correction lenses**
( ) Climbing	**( ) Work above ground**
( ) Bending	**( ) Shift/Overtime work**
( ) Driving	**( ) Operating machinery**
( ) Temp Limits	**( ) Operating machinery**

( ) others_____

( ) Eligible for expatriate assignment or overseas ravel.
( ) Results of audiometric exam indicates significant threshold shift since baseline audiogram. Advised to wear hearing protection. Audiogram ( ) to be ( ) not to be repeated
( ) Results of audiometric exam indicated moderate hearing loss. Advised to wear hearing protection
( ) Does not meet criteria for employment at this time

CERTIFICATION:
(X)Approved for work with hazardous material
(X) Approved for use of respirators
(X) Approved for use of personal protective equipment
(X) Medical qualified test completed.
( ) Audiometric test completed.
( ) Mechanical visual screening completed.
(X) No pathological condition has been detected in the above named individual that place him at risk material impairment form exposure to: _____
(X) The patient has been informed of this physical examination

MD

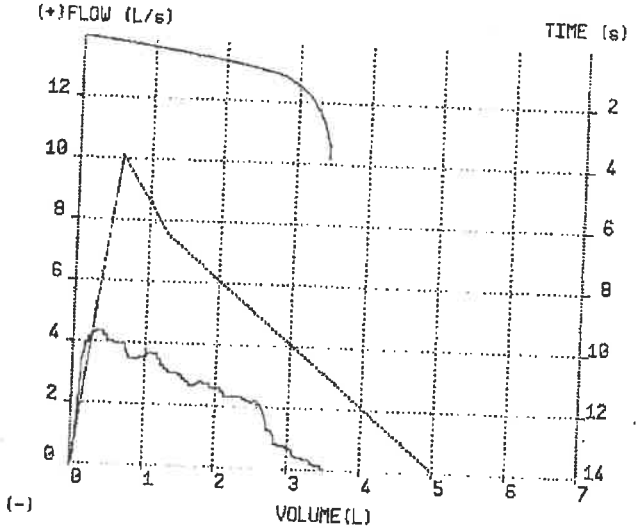
Bella Medical Group
9916 San Juan Ave
South Gate CA 90280
(323) 564-1100
Maria Lourdes De Leon M.D.
Sergio Sandoval PA-C

MARIA LOURDES C. DE LEON M D

BELLA MEDICAL GROUP

Test Date 06/01/2021 13:25 BTPS 1.092 NHANES
Name JIMENEZ JOSE
Birth Date 10/05/1969 *ID 3103*
Age 51 Height in 71 Weight lb 210 Gender ♂
Origin Mexican-American Predicted NHANES
PRE File N° 3097

FLOW-VOLUME & VOLUME-TIME curves



PRE#2 —— Pred. ——

PARAMETER		Predicted	PRE #2	%Pred.
FEV6	L	4.90	3.47	71
FEV1	L	4.03	2.81	70
FEV1/FEV6	%	81.6	81.0	99
PEF	L/s	10.12	4.40	43
FEF25-75	L/s	3.88	2.72	70
FVC	L	5.08	3.47	68
FEV1/FVC	%	78.9	81.0	103

INTERPRETATION:
Possible Mild Restriction

QUALITY CONTROL GRADE:D

Made by spirolab Ver 4.6

Bella Medical Group
9916 San Juan Ave
South Gate CA 90280
(323) 564-1100
SN 305951
ria Lourdes De Leon M.D
rgio Sandoval PA-C

MARIA LOURDES C. DE LEON M D

QUALITATIVE FIT TESTING AND ISSUANCE OF RESPIRATOR

NAME OF INDIVIDUAL TESTED: Jose Jimenez

SOCIAL SECURITY NUMBER: XXX - XX - 2813

MAKE, MODEL, SIZE OF RESPIRATOR: North 7700 Series, Large

TYPE OF CARTRIDGE:

__X__ HEPA _____ CHARCOAL FILTER _____ COMBINATION _____ OTHER

DESCRIPTION OF TEST:

1) Respirator is donned and straps adjusted to correct fit.
2) Visual check is made to ensure tight fit around facial contours.
3) Exhalation / Inhalation and simulated mouth movement test are performed.
4) Irritant smoke is used to check fit.

SIGNATURE OF TESTING OPERATOR:

x 

DATE: June 14, 2021

_____ Original Issuance

__X__ Annually Re-issuance

T3 CONTRACTORS, INC.
17130 VAN BUREN BLVD. #53, RIVERSIDE, CA 92504
PHONE (951) 943-4000 FAX (951) 943-4403

Certificate Of Completion

Asbestos Worker Refresher Course (Sp)

DOSH #:CA-015-12

Simon Sanchez Jimenez

Last 4 digits of SSN: 7635

AWRSP0116210003N27225

Agustin Castillo

Principal Instructor

Michael W. Horner

Michael W. Horner

Training Director

1/16/2021	1/16/2021	1/16/2021	1/16/2022
Course Start Date	Course End Date	Exam Date	Expiration Date

This course satisfies the education requirements for Asbestos accreditation under the Toxic Substances Control Act, Title II. This course has been approved by the Department of Industrial Relations, Division of Occupational Safety and Health of the State of California

NATEC International, Inc.

National Association of Training and Environmental Consulting

1100 Technology Circle- Suite A, Anaheim, CA 92805 • www.natecintl.com • 800-969-3228

Important Industry Contacts

CAL-OSHA: Ph# (916) 574-2993
(916) 483-0572 Fax Notification
Web: www.dir.ca.gov or calosha.com

CDPH/CLPPB: Ph# (510) 620-5600
Web: www.cdph.ca.gov/programs/CLPPB

SCAQMD: Ph# (909) 396-3739
Fax#(909) 396-3342

BAAQMD: Ph# (415) 749-4762

NATEC International, Inc.

National Association of Training and Environmental Consulting

Anaheim, CA • Oakland, CA • Fresno, CA • Sacramento, CA

Asbestos • Lead • Mold • HAZWOPER

P.O. Box 25205 Anaheim, CA 92825-5205

(714) 678-2750, (800) 969-3228, Fax (714) 678-2757

www.natecintl.com

NATEC International, Inc.

National Association of Training and Environmental Consulting

*Note: Card is not suitable substitute for certificate and is not accepted by SCAQMD as proof of certification

This Card Acknowledges That
Simon Sanchez Jimenez

Holds Training Certification For
Asbestos Worker Refresher Course (Sp)

Expiration: 1/16/2022

1/16/2021
Training Date

AWRSP0116210003N27225
Certificate No.

Michael W. Horner
Training Director

Patient: Sanchez, Simon J. -7635 DOB: 10/28/1968 Service Date: 11/27/2020

Concentra Occupational Med Ctrs-CA
3430 Garfield Ave Commerce, CA 90040
Phone: (323) 722-8481 Fax: (323) 721-2236

Written Medical Opinion for Respirator Use

(Provide a copy to employee and employer, store in chart)

Medical evaluation for respirator use was completed in accordance with 29 CFR 1910.134.
(La evaluación médica y opinión para el uso de respiradores se completó de acuerdo con 29 CFR 1910.134)

This evaluation indicates employee may wear the type(s) of respirator(s) checked below. There are no recommended limitations upon the workplace conditions in which the respirator will be used unless remarked in *Comments* section. Please note: If additional/new types of respirator(s) are utilized in the future, a new respirator medical clearance is required. (Esta evaluación indica que el empleado puede usar el tipo (s) de respirador (es) que se muestra a continuación. No hay limitaciones recomendadas sobre las condiciones del lugar de trabajo en las que se usará el respirador, a menos que se indique lo contrario en la sección Comentarios. Tenga en cuenta: Si en el futuro se utilizan más / nuevos tipos de respiradores, se requiere una nueva autorización médica para respiradores.)

- [X] **Disposable N, P or R. 95, 99 or 100 filtering face piece** (Desechable pieza facial filtrante)
- [ ] **Half face respirator with particulate gas/vapor cartridges** (Respirador de media cara con cartuchos de partículas de gas / vapor)
- [ ] **Full face respirator with particulate gas/vapor cartridges** (Respirador de cara completa con cartuchos de gas / vapor de partículas)
- [ ] **Self-contained breathing apparatus (SCBA)** (Un equipo de respiración autónomo)
- [ ] **Supplied air (loose fitting)** (Aire suministrado (ajuste suelto))

___ **The employee may not wear a respirator.** (El empleado no puede usar un respirador.)

___ **Employee must schedule a medical examination prior to respirator approval and usage.**
(Programar un examen médico antes de la aprobación del respirador)

___ **The following restrictions or limitations are indicated** (Se indican las siguientes restricciones o limitaciones)

- [ ] **Positive air purifying respirator (PAPR)** (Respirador purificador de aire positivo)
- [ ] **No emergency response or immediately dangerous to life and health (IDLH) work**
  Trabajo sin respuesta de emergencia o peligro inmediato para la vida y la salud
- [ ] **Other** (otro): _____

The employee has been informed of the results of this evaluation and any medical conditions which require further examination or treatment and they were provided with a copy of this written statement: (El empleado ha sido informado de los resultados de esta evaluación y de cualquier condición médica que requiera un examen o tratamiento adicional y se les proporcionó una copia de esta declaración por escrito:)

- [X] **In person** (En persona)
- [ ] **In writing** (Questionnaire review only, without the employee present)
  (escrito solo una revisión del Cuestionario, empleado no presente)

___ **This medical evaluation expires on** (Esta evaluación médica expira el): 11/27/2021

Employees are to report any difficulties in respirator use or change in health status to their supervisor, physician or licensed health care provider. (Los empleados deben informar cualquier dificultad en el uso del respirador o cambio en el estado de salud.)

___ **Comments:** (Comentarios)

- [ ] **Eyewear conversion kit needed.** (Se necesita un kit de conversión de gafas.)
- [ ] **Facial hair needs to be shaved to assure a tight seal on tight fitting masks.**
  (El vello facial debe afeitarse para asegurar un cierre hermético en las máscaras ajustadas.)
- [ ] Other (otro):

Clinician Name: LESLIE M. KALMAN, M.D. G21059 Clinician Signature: _____ Date: 11/27/20

RESPCLEARWMO -1

QUALITATIVE FIT TESTING AND ISSUANCE OF RESPIRATOR

NAME OF INDIVIDUAL TESTED: Simon Sanchez Jimenez

SOCIAL SECURITY NUMBER: XXX - XX - 7635

MAKE, MODEL, SIZE OF RESPIRATOR: North 7700 Series, Large

TYPE OF CARTRIDGE:

__X__ HEPA _____ CHARCOAL FILTER _____ COMBINATION _____ OTHER

DESCRIPTION OF TEST:

1) Respirator is donned and straps adjusted to correct fit.
2) Visual check is made to ensure tight fit around facial contours.
3) Exhalation / Inhalation and simulated mouth movement test are performed.
4) Irritant smoke is used to check fit.

SIGNATURE OF TESTING OPERATOR:

x _____ DATE: June 14, 2021

_____ Original Issuance __X__ Annually Re-issuance

T3 CONTRACTORS, INC.
17130 VAN BUREN BLVD. #53, RIVERSIDE, CA 92504
PHONE (951) 943-4000 FAX (951) 943-4403

Certificate Of Completion

Asbestos Worker Refresher Course (Sp)

DOSH #:CA-015-12

Omar Castro

Last 4 digits of SSN: 1452

AWRSP0605210008N27235

Jose Al Rodriguez

Principal Instructor

Michael W. Horner

Michael W. Horner
Training Director

6/5/2021	6/5/2021	6/5/2021	6/5/2022
Course Start Date	Course End Date	Exam Date	Expiration Date

This course satisfies the education requirements for Asbestos accreditation under the Toxic Substances Control Act, Title II. This course has been approved by the Department of Industrial Relations, Division of Occupational Safety and Health of the State of California

NATEC International, Inc.

National Association of Training and Environmental Consulting

1100 Technology Circle- Suite A, Anaheim, CA 92805 • www.natecintl.com • 800-969-3228

Important Industry Contacts

CAL-OSHA: Ph# (916) 574-2993
(916) 483-0572 Fax Notification
Web: www.dir.ca.gov or calosha.com

CDPH/CLPPB: Ph# (510) 620-5600
Web: www.cdph.ca.gov/programs/CLPPB

SCAQMD: Ph# (909) 396-3739
Fax#(909) 396-3342

BAAQMD: Ph# (415) 749-4762

NATEC International, Inc.

National Association of Training and Environmental Consulting

Anaheim, CA • Oakland, CA • Fresno, CA • Sacramento, CA

Asbestos • Lead • Mold • HAZWOPER

P.O. Box 25205 Anaheim, CA 92825-5205

(714) 678-2750, (800) 969-3228, Fax (714) 678-2757

www.natecintl.com

NATEC International, Inc.

National Association of Training and Environmental Consulting

*Note: Card is not suitable substitute for certificate and is not accepted by SCAQMD as proof of certification

This Card Acknowledges That
Omar Castro

Holds Training Certification For
Asbestos Worker Refresher Course (Sp)

Expiration: 6/5/2022

Training Date 6/5/2021

Certificate No. AWRSP0605210008N27235

Michael W. Horner
Training Director

Patient: Castro, Omar . 1452 **DOB:** 07/19/1979 **Service Date:** 05/25/2021

Concentra Occupational Med Ctrs-CA
1313 W 8th St Ste 100 Los Angeles, CA 90017
Phone: (213) 401-1970 Fax: (213) 401-1980

Written Medical Opinion for Respirator Use

(Provide a copy to employee and employer, store in chart)

Medical evaluation for respirator use was completed in accordance with 29 CFR 1910.134.
(La evaluación médica y opinión para el uso de respiradores se completó de acuerdo con 29 CFR 1910.134)

This evaluation indicates employee may wear the type(s) of respirator(s) checked below. There are no recommended limitations upon the workplace conditions in which the respirator will be used unless remarked in *Comments* section. Please note: If additional/new types of respirator(s) are utilized in the future, a new respirator medical clearance is required. (Esta evaluación indica que el empleado puede usar el tipo (s) de respirador (es) que se muestra a continuación. No hay limitaciones recomendadas sobre las condiciones del lugar de trabajo en las que se usará el respirador, a menos que se indique lo contrario en la sección Comentarios. Tenga en cuenta: Si en el futuro se utilizan más / nuevos tipos de respiradores, se requiere una nueva autorización médica para respiradores.)

- [X] **Disposable N, P or R. 95, 99 or 100 filtering face piece** (Desechable pieza facial filtrante)
- [X] **Half face respirator with particulate gas/vapor cartridges** (Respirador de media cara con cartuchos de partículas de gas / vapor)
- [X] **Full face respirator with particulate gas/vapor cartridges** (Respirador de cara completa con cartuchos de gas / vapor de partículas)
- [ ] **Self-contained breathing apparatus (SCBA)** (Un equipo de respiración autónomo)
- [ ] **Supplied air (loose fitting)** (Aire suministrado (ajuste suelto))

___ **The employee may not wear a respirator.** (El empleado no puede usar un respirador.)

___ **Employee must schedule a medical examination prior to respirator approval and usage.**
(Programar un examen médico antes de la aprobación del respirador)

___ **The following restrictions or limitations are indicated** (Se indican las siguientes restricciones o limitaciones):

- [ ] **Positive air purifying respirator (PAPR)** (Respirador purificador de aire positivo)
- [ ] **No emergency response or immediately dangerous to life and health (IDLH) work**
(Trabajo sin respuesta de emergencia o peligro inmediato para la vida y la salud
- [ ] **Other** (otro): _____

/ **The employee has been informed of the results of this evaluation and any medical conditions which require further examination or treatment and they were provided with a copy of this written statement:** (El empleado ha sido informado de los resultados de esta evaluación y de cualquier condición médica que requiera un examen o tratamiento adicional y se les proporcionó una copia de esta declaración por escrito:)

- [X] **In person** (En persona)
- [ ] **In writing** (Questionnaire review only, without the employee present)
(escrito solo una revisión del Cuestionario, empleado no presente)

___ **This medical evaluation expires on** (Esta evaluación médica expira el): 1452.

Employees are to report any difficulties in respirator use or change in health status to their supervisor, physician or licensed health care provider. (Los empleados deben informar cualquier dificultad en el uso del respirador o cambio en el estado de salud.)

___ **Comments:** (Comentarios)

- [ ] **Eyewear conversion kit needed.** (Se necesita un kit de conversión de gafas.)
- [ ] **Facial hair needs to be shaved to assure a tight seal on tight fitting masks.**
(El vello facial debe afeitarse para asegurar un cierre hermético en las máscaras ajustadas.)
- [ ] **Other** (otro): _____

Clinician Name: GABRIEL CHANG Clinician Signature: _____ Date: 05/25/21

QUALITATIVE FIT TESTING AND ISSUANCE OF RESPIRATOR

NAME OF INDIVIDUAL TESTED: Omar Castro

SOCIAL SECURITY NUMBER: XXX - XX - 1452

MAKE, MODEL, SIZE OF RESPIRATOR: North 7700 Series, Medium

TYPE OF CARTRIDGE:

__X__ HEPA _____ CHARCOAL FILTER _____ COMBINATION _____ OTHER

DESCRIPTION OF TEST:

1) Respirator is donned and straps adjusted to correct fit.
2) Visual check is made to ensure tight fit around facial contours.
3) Exhalation / Inhalation and simulated mouth movement test are performed.
4) Irritant smoke is used to check fit.

SIGNATURE OF TESTING OPERATOR:

DATE: June 8, 2021

_____ Original Issuance

__X__ Annually Re-issuance

T3 CONTRACTORS, INC.
17130 VAN BUREN BLVD. #53, RIVERSIDE, CA 92504
PHONE (951) 943-4000 FAX (951) 943-4403

CERTIFICATE NUMBER

85198

Certificate of Attendance

This is to Certify that

JOSE G. MARAVILLAS

Has Completed the Course of

AHERA ASBESTOS ABATEMENT WORKER 8 HR. REFRESHER COURSE (SPANISH) CA-014-12

UNDER TSCA 206, FOR PURPOSES OF COMPLIANCE WITH 29 CFR 1926.1101 AND TITLE 8 CCR 1529 AND TITLE 8 CCR 5208.

ARMANDO DUCOING
DIRECTOR

July 10, 2021	E071021SWR 071021	July 10, 2022
COMPLETION DATE	CLASS NUMBER / STARTING DATE	CERTIFICATE EXPIRES

Ecologics Training Institute

2487 E Orangethorpe Ave . Fullerton, CA 92831 . Ph (714) 632-8100 . Fax (714) 632-8111 . www.ecologicsonline.com

BELLA MEDICAL GROUP INC
9916 SAN JUAN AVE.
SOUTH GATE, CA 90280
TEL (323)564-1100 FAX (323) 564-1133
FITNESS FOR DUTY FORM

DATE OF EXAM: 08/09/2021

NAME: MARAVILLAS JOSE DOB:10/30/1977 AGE: 43 YEARS OLD SSN: XXX-XX-XXXX

TYPE OF EXAMINATION: (X) Pre-Employment (X) Periodic ( ) DOT Overseas ( ) Return to Work (X) Pulmonary Function (X) Asbestos [ ) others_____

RECOMMENDATIONS:
The following medical recommendation are based on a review of the health history examination finding related tests or studies and the specific physical capacities required for the position applied for or currently held by the examine.

(X) The examination indicates no significant pathological condition. Can be assigned to any work consistent with skills training.
( ) The examination indicates no-occupational pathological conditions. Can be followed by the personal physical. Can be assigned to any work consistent with skills and training.
( ) The examination indicates non- occupational pathological conditions, to be followed by the personal physician. Acceptable for work, but should not be assigned without a review from Medical Department.
( ) The examination indicates that a pathological condition exist which work assigned as follows:
(X) Medically qualified w/no restrictions / no x-ray needed

( ) Lifting over_____	**( ) Use of hearing protection devices**
( ) Walking	**( ) Use of correction lenses**
( ) Climbing	**( ) Work above ground**
( ) Bending	**( ) Shift/Overtime work**
( ) Driving	**( ) Operating machinery**
( ) Temp Limits	**( ) Operating machinery**

( ) others_____
( ) Eligible for expatriate assignment or overseas travel.
( ) Results of audiometric exam indicates significant threshold shift since baseline audiogram. Advised to wear hearing protection. Audiogram ( ) to be ( ) not to be repeated
( ) Results of audiometric exam indicated moderate hearing loss. Advised to wear hearing protection
( ) Does not meet criteria for employment at this time

CERTIFICATION:
(X)Approved for work with hazardous material
(X) Approved for use of respirators
(X) Approved for use of personal protective equipment
(X) Medical qualified test completed.
( ) Audiometric test completed.
( ) Mechanical visual screening completed.
(X) No pathological condition has been detected in the above name individual that place him at risk material impairment form exposure to:_____
(X) The patient has been informed of this physical examination

9916 San Juan Ave
South Gate CA 90280
(323) 564-1100
Maria Lourdes De Leon M.D.
Sergio Sandoval PA-C

MARIA LOURDES C. DE LEON M D

QUALITATIVE FIT TESTING AND ISSUANCE OF RESPIRATOR

NAME OF INDIVIDUAL TESTED: Jose Maravillas

SOCIAL SECURITY NUMBER: XXX - XX - 0981

MAKE, MODEL, SIZE OF RESPIRATOR: North 7700 Series, Medium

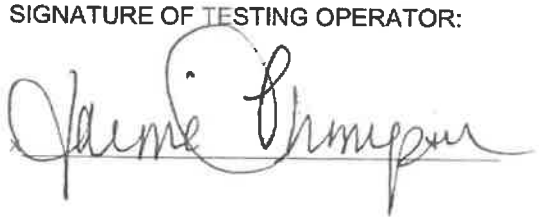
TYPE OF CARTRIDGE:

__X__ HEPA _____ CHARCOAL FILTER _____ COMBINATION _____ OTHER

DESCRIPTION OF TEST:

1) Respirator is donned and straps adjusted to correct fit.
2) Visual check is made to ensure tight fit around facial contours.
3) Exhalation / Inhalation and simulated mouth movement test are performed.
4) Irritant smoke is used to check fit.

SIGNATURE OF TESTING OPERATOR:



DATE; April 1, 2021

_____ Original Issuance

__X__ Annually Re-issuance

T3 CONTRACTORS, INC.
17130 VAN BUREN BLVD. #53, RIVERSIDE, CA 92504
PHONE (951) 943-4000 FAX (951) 943-4403

Certificate Of Completion

Asbestos Contractor/Supervisor Refresher Course

DOSH #:CA-015-04

Brianda Guiterrez Munguia

Last 4 digits of SSN: 0246

ASR0319210019N27069

Robert Cisneros

Principal Instructor

Michael W. Horner

Training Director

3/19/2021	3/19/2021	3/19/2021	3/19/2022
Course Start Date	Course End Date	Exam Date	Expiration Date

This course satisfies the education requirements for Asbestos accreditation under the Toxic Substances Control Act, Title II. This course has been approved by the Department of Industrial Relations, Division of Occupational Safety and Health of the State of California

NATEC International, Inc.

National Association of Training and Environmental Consulting

1100 Technology Circle- Suite A, Anaheim, CA 92805 • www.natecintl.com • 800-969-3228

Important Industry Contacts

CAL-OSHA: Ph# (916) 574-2993
(916) 483-0572 Fax Notification
Web: www.dir.ca.gov or calosha.com

CDPH/CLPPB: Ph# (510) 620-5600
Web: www.cdph.ca.gov/programs/CLPPB

SCAQMD: Ph# (909) 396-3739
Fax#(909) 396-3342

BAAQMD: Ph# (415) 749-4762

NATEC International, Inc.

National Association of Training and Environmental Consulting

Anaheim, CA • Oakland, CA • Fresno, CA • Sacramento, CA

Asbestos • Lead • Mold • HAZWOPER

P.O. Box 25205 Anaheim, CA 92825-5205

(714) 678-2750, (800) 969-3228, Fax (714) 678-2757

www.natecintl.com

NATEC International, Inc.

National Association of Training and Environmental Consulting

*Note: Card is not suitable substitute for certificate and is not accepted by SCAQMD as proof of certification

This Card Acknowledges That
Brianda Guiterrez Munguia

Holds Training Certification For
Asbestos Contractor/Supervisor Refresher Course

Expiration: 3/19/2022

Training Date 3/19/2021
Certificate No. ASR0319210019N27069

Michael W. Horner
Training Director

Patient: Gutierrez, Brianda - 0246 DOB: 08/07/1990 Service Date: 10/02/2020

Concentra Occupational Med Ctrs-CA
3430 Garfield Ave Commerce, CA 90040
Phone: (323) 722-8481 Fax: (323) 721-2236

Written Medical Opinion for Respirator Use

(Provide a copy to employee and employer, store in chart)

Medical evaluation for respirator use was completed in accordance with 29 CFR 1910.134.
(La evaluación médica y opinión para el uso de respiradores se completó de acuerdo con 29 CFR 1910.134)

This evaluation indicates employee may wear the type(s) of respirator(s) checked below. There are no recommended limitations upon the workplace conditions in which the respirator will be used unless remarked in *Comments* section. Please note: If additional/new types of respirator(s) are utilized in the future, a new respirator medical clearance is required. (Esta evaluación indica que el empleado puede usar el tipo (s) de respirador (es) que se muestra a continuación. No hay limitaciones recomendadas sobre las condiciones del lugar de trabajo en las que se usará el respirador, a menos que se indique lo contrario en la sección Comentarios. Tenga en cuenta: Si en el futuro se utilizan más / nuevos tipos de respiradores, se requiere una nueva autorización médica para respiradores.)

- [X] **Disposable N, P or R..95, 99 or 100 filtering face piece** (Desechable pieza facial filtrante)
- [X] **Half face respirator with particulate gas/vapor cartridges** (Respirador de media cara con cartuchos de partículas de gas / vapor)
- [X] **Full face respirator with particulate gas/vapor cartridges** (Respirador de cara completa con cartuchos de gas / vapor de partículas)
- [X] **Self-contained breathing apparatus (SCBA)** (Un equipo de respiración autónomo)
- [X] **Supplied air (loose fitting)** (Aire suministrado (ajuste suelto))

___ **The employee may not wear a respirator.** (El empleado no puede usar un respirador.)

___ **Employee must schedule a medical examination prior to respirator approval and usage.**
(Programar un examen médico antes de la aprobación del respirador)

___ **The following restrictions or limitations are indicated** (Se indican las siguientes restricciones o limitaciones):

- [ ] **Positive air purifying respirator (PAPR)** (Respirador purificador de aire positivo)
- [ ] **No emergency response or immediately dangerous to life and health (IDLH) work**
(Trabajo sin respuesta de emergencia o peligro inmediato para la vida y la salud
- [ ] **Other** (otro): _____

The employee has been informed of the results of this evaluation and any medical conditions which require further examination or treatment and they were provided with a copy of this written statement: (El empleado ha sido informado de los resultados de esta evaluación y de cualquier condición médica que requiera un examen o tratamiento adicional y se les proporcionó una copia de esta declaración por escrito:)

- [X] **In person** (En persona)
- [ ] **In writing** (Questionnaire review only, without the employee present)
(escrito solo una revisión del Cuestionario, empleado no presente).

___ **This medical evaluation expires on** (Esta evaluación médica expira el): 10/2/2021.

Employees are to report any difficulties in respirator use or change in health status to their supervisor, physician or licensed health care provider. (Los empleados deben informar cualquier dificultad en el uso del respirador o cambio en el estado de salud.)

___ **Comments:** (Comentarios)

- [ ] **Eyewear conversion kit needed.** (Se necesita un kit de conversión de gafas.)
- [ ] **Facial hair needs to be shaved to assure a tight seal on tight fitting masks.**
(El vello facial debe afeitarse para asegurar un cierre hermético en las máscaras ajustadas.)
- [ ] **Other** (otro):

Clinician Name: LESLIE M. KALMAN, M.D. G21059 Clinician Signature: _____ Date: 10/2/20

RESPCLEARWMO -1

QUALITATIVE FIT TESTING AND ISSUANCE OF RESPIRATOR

NAME OF INDIVIDUAL TESTED: Brianda Gutierrez Munguia

SOCIAL SECURITY NUMBER: XXX - XX - O246

MAKE, MODEL, SIZE OF RESPIRATOR: North 7700 Series, Medium

TYPE OF CARTRIDGE:

__X__ HEPA _____ CHARCOAL FILTER _____ COMBINATION _____ OTHER

DESCRIPTION OF TEST:

1) Respirator is donned and straps adjusted to correct fit.
2) Visual check is made to ensure tight fit around facial contours.
3) Exhalation / Inhalation and simulated mouth movement test are performed.
4) Irritant smoke is used to check fit.

SIGNATURE OF TESTING OPERATOR:

DATE: June 14, 2021

_____ Original Issuance

__X__ Annually Re-issuance

T3 CONTRACTORS, INC.
17130 VAN BUREN BLVD. #53, RIVERSIDE, CA 92504
PHONE (951) 943-4000 FAX (951) 943-4403

Certificate Of Completion

Asbestos Worker Refresher Course (Sp)

DOSH #:CA-015-12

Alfredo Solis

Last 4 digits of SSN: 1321

AWRSP0522210013N27234

Agustin Castillo

Principal Instructor

Michael W. Horner

Training Director

5/22/2021	5/22/2021	5/22/2021	5/22/2022
Course Start Date	Course End Date	Exam Date	Expiration Date

This course satisfies the education requirements for Asbestos accreditation under the Toxic Substances Control Act, Title II. This course has been approved by the Department of Industrial Relations, Division of Occupational Safety and Health of the State of California

NATEC International, Inc.

National Association of Training and Environmental Consulting

1100 Technology Circle- Suite A, Anaheim, CA 92805 • www.natecintl.com • 800-969-3228

Important Industry Contacts

CAL-OSHA: Ph# (916) 574-2993
(916) 483-0572 Fax Notification
Web: www.dir.ca.gov or calosha.com

CDPH/CLPPB: Ph# (510) 620-5600
Web: www.cdph.ca.gov/programs/CLPPB

SCAQMD: Ph# (909) 396-3739
Fax#(909) 396-3342

BAAQMD: Ph# (415) 749-4762

NATEC International, Inc.

National Association of Training and Environmental Consulting

Anaheim, CA • Oakland, CA • Fresno, CA • Sacramento, CA

Asbestos • Lead • Mold • HAZWOPER

P.O. Box 25205 Anaheim, CA 92825-5205

(714) 678-2750, (800) 969-3228, Fax (714) 678-2757

www.natecintl.com

NATEC International, Inc.

National Association of Training and Environmental Consulting

*Note: Card is not suitable substitute for certificate and is not accepted by SCAQMD as proof of certification

This Card Acknowledges That

Alfredo Solis

Holds Training Certification For

Asbestos Worker Refresher Course (Sp)

Expiration: 5/22/2022

5/22/2021
Training Date

AWRSP0522210013N27234
Certificate No.

Michael W. Horner
Training Director

Patient: Solis, Alfredo – 1321 DOB: 09/02/1965 Service Date: 06/07/2021

Concentra Occupational Med Ctrs-CA
2171 S Grove Ave Ste A Ontario, CA 91761
Phone: (909) 923-4080 Fax: (909) 930-0704

Written Medical Opinion for Respirator Use

(Provide a copy to employee and employer, store in chart)

Medical evaluation for respirator use was completed in accordance with 29 CFR 1910.134.
(La evaluación médica y opinión para el uso de respiradores se completó de acuerdo con 29 CFR 1910.134)

This evaluation indicates employee may wear the type(s) of respirator(s) checked below. There are no recommended limitations upon the workplace conditions in which the respirator will be used unless remarked in *Comments* section. Please note: If additional/new types of respirator(s) are utilized in the future, a new respirator medical clearance is required. (Esta evaluación indica que el empleado puede usar el tipo (s) de respirador (es) que se muestra a continuación. No hay limitaciones recomendadas sobre las condiciones del lugar de trabajo en las que se usará el respirador, a menos que se indique lo contrario en la sección Comentarios. Tenga en cuenta: Si en el futuro se utilizan más / nuevos tipos de respiradores, se requiere una nueva autorización médica para respiradores.)

- [X] **Disposable N, P or R, 95, 99 or 100 filtering face piece** (Desechable pieza facial filtrante)
- [X] **Half face respirator with particulate gas/vapor cartridges** (Respirador de media cara con cartuchos de partículas de gas / vapor)
- [X] **Full face respirator with particulate gas/vapor cartridges** (Respirador de cara completa con cartuchos de gas / vapor de partículas)
- [ ] **Self-contained breathing apparatus (SCBA)** (Un equipo de respiración autónomo)
- [ ] **Supplied air (loose fitting)** (Aire suministrado (ajuste suelto))

___ **The employee may not wear a respirator.** (El empleado no puede usar un respirador.)

___ **Employee must schedule a medical examination prior to respirator approval and usage.**
(Programar un examen médico antes de la aprobación del respirador)

___ **The following restrictions or limitations are indicated** (Se indican las siguientes restricciones o limitaciones):

- [ ] **Positive air purifying respirator (PAPR)** (Respirador purificador de aire positivo)
- [ ] **No emergency response or immediately dangerous to life and health (IDLH) work**
(Trabajo sin respuesta de emergencia o peligro inmediato para la vida y la salud
- [ ] **Other** (otro): _____

X **The employee has been informed of the results of this evaluation and any medical conditions which require further examination or treatment and they were provided with a copy of this written statement:** (El empleado ha sido informado de los resultados de esta evaluación y de cualquier condición médica que requiera un examen o tratamiento adicional y se les proporcionó una copia de esta declaración por escrito:)

- [X] **In person** (En persona)
- [ ] **In writing** (Questionnaire review only, without the employee present)
(escrito solo una revisión del Cuestionario, empleado no presente)

X **This medical evaluation expires on** (Esta evaluación médica expira el): 6/7/2022

Employees are to report any difficulties in respirator use or change in health status to their supervisor, physician or licensed health care provider. (Los empleados deben informar cualquier dificultad en el uso del respirador o cambio en el estado de salud.)

___ **Comments:** (Comentarios)

- [ ] **Eyewear conversion kit needed.** (Se necesita un kit de conversión de gafas.)
- [ ] **Facial hair needs to be shaved to assure a tight seal on tight fitting masks.**
(El vello facial debe afeitarse para asegurar un cierre hermético en las máscaras ajustadas.)
- [ ] **Other** (otro): _____

Clinician Name: Robert U. Bolawn MD, MPH LIC# A45945 Clinician Signature: R Bolawn MD Date: 6/7/2021

RESPCLEARWMO -1

QUALITATIVE FIT TESTING AND ISSUANCE OF RESPIRATOR

NAME OF INDIVIDUAL TESTED: Alfredo Solis

SOCIAL SECURITY NUMBER: XXX - XX - 1321

MAKE, MODEL, SIZE OF RESPIRATOR: North 7700 Series, Large

TYPE OF CARTRIDGE:

___X___ HEPA _____ CHARCOAL FILTER _____ COMBINATION _____ OTHER

DESCRIPTION OF TEST:

1) Respirator is donned and straps adjusted to correct fit.
2) Visual check is made to ensure tight fit around facial contours.
3) Exhalation / Inhalation and simulated mouth movement test are performed.
4) Irritant smoke is used to check fit.

SIGNATURE OF TESTING OPERATOR:

DATE: June 14, 2021

_____ Original Issuance ___X___ Annually Re-issuance

T3 CONTRACTORS, INC.
17130 VAN BUREN BLVD. #53, RIVERSIDE, CA 92504
PHONE (951) 943-4000 FAX (951) 943-4403

ECOLOGICS™
TRAINING INSTITUTE

Certificate of Attendance

CERTIFICATE NUMBER
70849

This is to Certify that

LUIS CARDONA

Has Completed the Course of

AHERA ASBESTOS ABATEMENT WORKER 8 HR. REFRESHER COURSE (SPANISH) CA-014-12

UNDER TSCA 206, FOR PURPOSES OF COMPLIANCE WITH 29 CFR 1926.1101 AND TITLE 8 CCR 1529 AND TITLE 8 CCR 5208.

ARMANDO DUCOING
DIRECTOR

May 22, 2021	E052221SWR 052221	May 22, 2022
COMPLETION DATE	CLASS NUMBER / STARTING DATE	CERTIFICATE EXPIRES

Ecologics Training Institute

2487 E Orangethorpe Ave . Fullerton, CA 92831 . Ph (714) 632-8100 . Fax (714) 632-8111 . www.ecologicsonline.com

Concentra Occupational Med Ctrs-CA
9405 Fairway View Place Rancho Cucamonga, CA 91730
Phone: (909) 481-7345 Fax: (909) 484-8661

Service Date: 05/29/2021

WRITTEN MEDICAL OPINION (SINGLE OR MULTI-EXPOSURE)

To be maintained in patient's medical chart with copy to employer and patient.

EMPLOYEE NAME: Cardona, Luis F.
DOB: 01/02/1998
Last 4 SSN: XXX-XX-1179
JOB TITLE: _____

EMPLOYER NAME: LIUNA Local 300-Los Angeles
EMPLOYER CONTACT: _____
CONTACT PHONE: _____

NOTES:
This document does not replace mandated state forms where applicable.
Employer form shall not be substituted for this written medical opinion that is determined to be OSHA and/or EPA compliant for listed exposures.
If requested or preferred by employer, exposure specific WMO forms available to print on MyConcentra may be used alternatively.

___ 29 CFR 1926 Construction ___ 29 CFR 1910 General & Maritime Other_____

Check applicable exposure(s) for Written Opinion: (check all that apply)
This form does not replace Silica or Beryllium Written Medical Opinions or Reports that print from Concentra OccuSource at registration for those exposures.

☐ Asbestos	☐ Pesticides	☐ Cadmium	☐ Lead	☐ Hazwoper/Hazmat
☐ Acryonitrile	☐ Benzene	☐ Manganese	☐ *Zinc Oxide*	☐ *Inorganic Mercury*
☐ Arsenic	☐ Diesel Exhaust	☐ Ethylene Oxide	☐ Formaldehyde	☐ Methylene Chloride
☐ *Polychlorinated biphenyls*	☐ 1,3- Butadiene	☐ Hexavalent Chromium	☐ *Xylene/Toluene*	☐ *Metal Working Fluid*
☐ *Other (specify):*				

The following were performed: (check all that apply)

[X] Medical examination, including a medical and work history with special emphasis on body symptoms related to the above marked exposure(s).

[ ] Completion and review of the OSHA questionnaire(s) (asbestos, benzene, cadmium, formaldehyde, methylene chloride, cotton dust, and 1,3 -butadiene, vinyl chloride).

[ ] Pulmonary function test, including forced vital capacity (FVC) and forced expiratory volume at one second (FEV1) in accordance with NIOSH and ATS standards. Monitor for 10-15% decline in FEV1.

[ ] 1 view PA chest x-ray. *(B read using ILO standards required for asbestos)*
Periodic chest x-ray schedules: Arsenic- annually; Cadmium- baseline and clinician's discretion;
Asbestos - see chart below:

Years since first exposure	Age 15-35	Age 36-45	Age 45+
0 to 10	Every 5 years	Every 5 years	Every 5 years
10 +	Every 5 years	Every 2 years	Every 1 year

[ ] All medical examinations and procedures were performed by or under the supervision of a licensed physician.

[ ] The employee has been informed of the results of the medical examination and/or biologic monitoring and any medical conditions which require further examination or treatment.

[ ] The employee has been informed of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure if indicated.

The content of medical examination was determined by the physician or licensed health care provider (PLHCP) based on the following information provided by the employer *(check only items available or provided)*:

[ ] Description of employee's duties

[ ] Information from previous medical examinations dated _____ not performed at Concentra

[ ] Description of personal protective equipment used or to be used

[ ] Employee's exposure levels or anticipated levels

Concentra Occupational Med Ctrs-CA
9405 Fairway View Place Rancho Cucamonga, CA 9173 Service Date: 05/29/2021
Phone: (909) 481-7345 Fax: (909) 484-8661

WRITTEN MEDICAL OPINION (SINGLE OR MULTI-EXPOSURE)

To be maintained in patient's medical chart with copy to employer and patient.

EMPLOYEE NAME: Cardona, Luis F.
DOB: 01/02/1998
Last 4 SSN: XXX-XX-1179
JOB TITLE: _____

EMPLOYER NAME: LiUNA Local 300-Los Angeles
EMPLOYER CONTACT: _____
CONTACT PHONE: _____

Biologic Monitoring:

Blood Lead Level/ZPP[I] _____/_____	[ ] Was performed and results are normal [ ] Was not done [ ] Results indicate: _____ [ ] Reevaluation date: _____
Urine Mercury Testing[E] Benzene CBC Testing[H] Other_____	[ ] Was performed and results are normal [ ] Was not done [ ] Results indicate: _____ [ ] Reevaluation date: _____
Cadmium[N] _____/_____/_____	[ ] Was performed and results are normal [ ] Was not done [ ] Results indicate: _____ [ ] Reevaluation date: _____
Acetylcholinesterase(RBC and plasma)[V] _____/_____	[ ] Was performed and results are normal [ ] Was not done [ ] Results indicate: _____ [ ] Reevaluation date: _____

Other Labs: _____

This medical monitoring evaluation indicates (check all that apply):

[ ] There are no detected medical conditions which would place the employee at an increased risk of material health impairment from exposure to the marked exposures.

[ ] There is/are detected medical condition(s) which would place the employee at an increased risk of material health impairment from exposure to the above marked exposures.

[ ] There are no limitations upon the employee's use of personal protective clothing or equipment, including respirators. *For methylene chloride, this includes the use of a supplied-air respirator in the negative-pressure mode, or a gas mask with an organic-vapor canister for emergency escape.*

[ ] The following restrictions or limitations are indicated: *(do not include PPE)* _____

Keith Wrasch, MD _____ 5/29/21

Clinician's Name (printed) Signature of Examining Clinician Date

Physician signature cosign: _____ Date: _____

[I] OSHA: If BLL <40, every 6 months; if >40, <50 repeat every 2 months, until less than 40 for 2 draws; >60 (Repeat in 2 weeks to confirm) or if avg of last 3 samples is >50 mandatory removal until testing <40. ACOEM/Concentra: BLL > 10 no exposure if pregnant; BLL >20 x2 or >30 no exposure. See Concentra's Lead Exposure Clinical Guidance

[E] Every 6 months if <PEL, every 3 months if > PEL; test weekly if total mercury level > 0.200 mg of mercury/liter of urine, or 0.02 mg of elemental mercury/liter of urine. If not decreasing in 2-4 weeks, advise specialist consult

[H] Required repeat at 2 week if H/H and Platelet count 20% of prior testing or abnormal, WBC 4,000 mm3 or abn diff

[N] Beta 2 microglobulin, cadmium blood and random urine with creatinine. See Concentra's Cadmium ESPS for bio monitoring frequency

[V] Baseline prior to handling pesticides (2 separate draws). Follow-up testing within 3 days for pesticide use >6 days in any 30 day period beginning on the first day of handling, for total of three consecutive qualifying periods. Follow-up testing at 60-day intervals after three qualifying periods, unless otherwise specified. Baseline values every 2 years. CAL-OSHA, EPA.

QUALITATIVE FIT TESTING AND ISSUANCE OF RESPIRATOR

NAME OF INDIVIDUAL TESTED: Luis Cardona

SOCIAL SECURITY NUMBER: XXX - XX - 1179

MAKE, MODEL, SIZE OF RESPIRATOR: North 7700 Series, Large

TYPE OF CARTRIDGE:

__X__ HEPA _____ CHARCOAL FILTER _____ COMBINATION _____ OTHER

DESCRIPTION OF TEST:

1) Respirator is donned and straps adjusted to correct fit.
2) Visual check is made to ensure tight fit around facial contours.
3) Exhalation / Inhalation and simulated mouth movement test are performed.
4) Irritant smoke is used to check fit.

SIGNATURE OF TESTING OPERATOR:

x 

DATE: May 23, 2021

_____ Original Issuance

__X__ Annually Re-issuance

T3 CONTRACTORS, INC.
17130 VAN BUREN BLVD. #53, RIVERSIDE, CA 92504
PHONE (951) 943-4000 FAX (951) 943-4403

ECOLOGICS™
TRAINING INSTITUTE

Certificate of Attendance

CERTIFICATE NUMBER
33378

This is to Certify that

CHRISTIAN ACOSTA

Has Completed the Course of

AHERA ASBESTOS ABATEMENT WORKER 8 HR. REFRESHER COURSE (SPANISH) CA-014-12

UNDER TSCA 206, FOR PURPOSES OF COMPLIANCE WITH 29 CFR 1926.1101 AND
TITLE 8 CCR 1529 AND TITLE 8 CCR 5208.

ARMANDO DUCOING
DIRECTOR

June 19, 2021	E061921SWR 061921	June 19, 2022
COMPLETION DATE	CLASS NUMBER / STARTING DATE	CERTIFICATE EXPIRES

Ecologics Training Institute

2487 E Orangethorpe Ave . Fullerton, CA 92831 . Ph (714) 632-8100 . Fax (714) 632-8111 . www.ecologicsonline.com

MD MEDICAL CLINICS

OCCUPATIONAL HEALTH SERVICES

MEDICAL DIRECTOR – RICHARD E. HUGHES, M.D.

RESPIRATOR-MEDICAL CLEARANCE-CERTIFICATE

Before employees are permitted to use a respirator, they must have medical clearance for use.

The following conditions will preclude the use of a respirator.

(A) **CHRONIC CARDIAC DISEASE**
(B) **CHRONIC PULMONARY DISEASE**
(C) **REPEAT EPISODE OF PNEUMOTHORAX**
(D) **STRUCTURAL FACIAL ABNORMALITIES MITIGATING AGAINST GOOD RESPIRATOR FIT.**
(E) **EMOTIONAL STATES WHERE RESPIRATORY MAY HEIGHTEN ANXIETY.**
(F) **EXCESS FACIAL HAIR MITIGATING AGAINST GOOD RESPIRATOR FIT.**

A licensed physician must perform the medical evaluation. Employees must be certified for respirator use, N95 & P100.

Using the above guidelines this certifies that **Christian Vaughn Acosta** was examined and can be certified to use a respirator.

Physician Signature

8-14-20
Date

"Keeping You on Your Job is Our Job"

1300 N. Kraemer Blvd., Anaheim, CA 92806
Telephone: (714) 630-6363 ~ Fax: (714) 630-6318
www.mdmedicalclinics.com

QUALITATIVE FIT TESTING AND ISSUANCE OF RESPIRATOR

NAME OF INDIVIDUAL TESTED: Christian Acosta

SOCIAL SECURITY NUMBER: XXX - XX - 5110

MAKE, MODEL, SIZE OF RESPIRATOR: North 7700 Series, Medium

TYPE OF CARTRIDGE:

__X__ HEPA _____ CHARCOAL FILTER _____ COMBINATION _____ OTHER

DESCRIPTION OF TEST:

1) Respirator is donned and straps adjusted to correct fit.
2) Visual check is made to ensure tight fit around facial contours.
3) Exhalation / Inhalation and simulated mouth movement test are performed.
4) Irritant smoke is used to check fit.

SIGNATURE OF TESTING OPERATOR:

Jaime Thompson

DATE: August 14, 2020

_____ Original Issuance

__X__ Annually Re-issuance

T3 CONTRACTORS, INC.
17130 VAN BUREN BLVD. #53, RIVERSIDE, CA 92504
PHONE (951) 943-4000 FAX (951) 943-4403

Certificate Of Completion

Asbestos Contractor/Supervisor Refresher Course

DOSH #:CA-015-04

Jose A. Gutierrez

Last 4 digits of SSN: 2849

ASR0822200009N22696

Edwin Velasco

Principal Instructor

Michael W. Horner

Michael W. Horner
Training Director

8/22/2020	8/22/2020	8/22/2020	8/22/2021
Course Start Date	Course End Date	Exam Date	Expiration Date

This course satisfies the education requirements for Asbestos accreditation under the Toxic Substances Control Act, Title II. This course has been approved by the Department of Industrial Relations, Division of Occupational Safety and Health of the State of California

NATEC International, Inc.

National Association of Training and Environmental Consulting

1100 Technology Circle- Suite A, Anaheim, CA 92805 • www.natecintl.com • 800-969-3228

Important Industry Contacts

CAL-OSHA: Ph# (916) 574-2993
(916) 483-0572 Fax Notification
Web: www.dir.ca.gov or calosha.com

CDPH/CLPPB: Ph# (510) 620-5600
Web: www.cdph.ca.gov/programs/CLPPB

SCAQMD: Ph# (909) 396-3739
Fax#(909) 396-3342

BAAQMD: Ph# (415) 749-4762

NATEC International, Inc.

National Association of Training and Environmental Consulting

Anaheim, CA • Oakland, CA • Fresno, CA • Sacramento, CA

Asbestos • Lead • Mold • HAZWOPER

P.O. Box 25205 Anaheim, CA 92825-5205

(714) 678-2750, (800) 969-3228, Fax (714) 678-2757

www.natecintl.com

NATEC International, Inc.

National Association of Training and Environmental Consulting

*Note: Card is not suitable substitute for certificate and is not accepted by SCAQMD as proof of certification

This Card Acknowledges That
Jose A. Gutierrez

Holds Training Certification For
Asbestos Contractor/Supervisor Refresher Course

Expiration: 8/22/2021

Training Date 8/22/2020
Certificate No. ASR0822200009N22696

Michael W. Horner
Training Director

Job Description

_____ Job description was provided by the employer and has been reviewed by the examining provider.

✓ Job description not available. Determination is based solely upon description of duties provided by the patient/applicant.

Examination Results for:

Exam Type: _____ **Standard Physical Examination** _____ **Medical Surveillance** _____ **Fit for Duty**

✓ May work without limitations/restrictions.

_____ May work only with the following limitations/restrictions: _____

_____ Unable to meet physical requirements of the job.

_____ Determination pending: additional information required. Requested information and/or additional evaluation must be completed within 45 days.

Remarks: **No protected health information (PHI)*

_____

_____

_____

Lan Do

_____

Clinician's Printed Name

_____

Clinician's Signature

****If status above listed as determination pending, please document status after review of additional records/testing:**

_____ May work without limitations/restrictions

_____ May work only with the following limitations/restrictions: _____

_____ Unable to meet physical requirements of the job.

QUALITATIVE FIT TESTING AND ISSUANCE OF RESPIRATOR

NAME OF INDIVIDUAL TESTED: Jose Gutierrez

SOCIAL SECURITY NUMBER: XXX - XX - 2849

MAKE, MODEL, SIZE OF RESPIRATOR: North 7700 Series, Medium

TYPE OF CARTRIDGE:

__X__ HEPA _____ CHARCOAL FILTER _____ COMBINATION _____ OTHER

DESCRIPTION OF TEST:

1) Respirator is donned and straps adjusted to correct fit.
2) Visual check is made to ensure tight fit around facial contours.
3) Exhalation / Inhalation and simulated mouth movement test are performed.
4) Irritant smoke is used to check fit.

SIGNATURE OF TESTING OPERATOR:

DATE: July 8, 2021

_____ Original Issuance

__X__ Annually Re-issuance

T3 CONTRACTORS, INC.
17130 VAN BUREN BLVD. #53, RIVERSIDE, CA 92504
PHONE (951) 943-4000 FAX (951) 943-4403

ECTI
ENVIRONMENTAL CONTRACTORS TRANSPORTATION, INC.

P.O. Box 7318
San Bernardino, CA 92411
Phone (909) 884-7424
Fax (909) 884-3744

NON-HAZARDOUS WASTE MANIFEST

1. Generator US EPA ID No. CAR [illegible]
2. Page 1 of
3. Emergency Response Phone No. [illegible]
4. Manifest No. **118134**

GENERATOR

5. Generator's Name and Mailing Address
Santa Monica-Malibu USD
1651 16th St Santa Monica, CA 90404
Generator's Phone No.: 310-450-8338

Generator's Site Address (if different than mailing address in item 5)
Will Lou Ls ES
2401 14th St
Santa Monica, CA 90404

6. Transporter No. 1 Company Name
~~T-G~~ E.C.T.I
U.S. EPA ID No. CAR0000490644

7. Transporter No. 2 Company Name
~~E.C.T.I. PO BOX 7318 San Bernardino, CA 92411 (800)884-7773~~
U.S. EPA ID No. ~~CAR000490644~~

8. Designated Facility Name and Site Address
LA PAZ COUNTY LANDFILL
26999 HWY 95 MILE POST 128
PARKER, AZ 85344
U.S. EPA ID No. AZR000520882
Facility's Phone: ~~928~~ 916-1253

	9. Waste Shipping Name and Description	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	
a.	NON-FRIABLE ASBESTOS WASTE	1	CM	1 ~~5~~ 0	Y	
b.						
c.						
d.						

13. Special Handling Instructions and Additional Information
E.P.A. REGION IX-75 HAWTHORNE ST, SAN FRANCISCO, CA. 94105 415-774-1089 INFOTRAC ACCOUNT#84412
S.C.A.Q.M.D - 21865 E. COPLEY DR, DIAMOND BAR, CA. 91765 909-396-2338 Profile#5124Y96315NF
24 HOUR EMERGENCY # (800) 535-5053. ECTI 953 W. REECE ST. SAN BERNARDINO, CA92411
340

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Typed/Printed Name FRANK LARIS Signature [signature] Month 6 Day 25 Year 21

TRANSPORTER

15. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Typed/Printed Name Joe Munoz Signature [signature] Month 6 Day 25 Year 21
Transporter 2 Typed/Printed Name Signature Month Day Year

DESIGNATED FACILITY

16. Discrepancy
16a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
16b. Alternate Facility (or Generator) Manifest Reference No:
U.S. EPA ID No.
Facility's Phone No.:
16c. Signature of Alternate Facility (or Generator) Month Day Year

17. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 16a
Typed/Printed Name [signature] Signature [signature] Month 7 Day 19 Year 21

TRANSPORTER #1

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: [illegible]
2. Page 1 of: 1
3. Emergency Response Phone: [illegible]
4. Manifest Tracking Number: 015007303 FLE

5. Generator's Name and Mailing Address: [illegible]

Generator's Site Address (if different than mailing address): [illegible]

Generator's Phone: [illegible]

6. Transporter 1 Company Name: E.C.T.I. Po Box 7318 San Bernardino, CA 92411 (800) 664-7773 — U.S. EPA ID Number: CAR000049064

7. Transporter 2 Company Name: ~~E.C.T.I. PO BOX 7318 San Bernardino, CA 92411 (800) 664-7773~~ — U.S. EPA ID Number: ~~CAR000[illegible]~~ [illegible]

8. Designated Facility Name and Site Address: LA PAZ COUNTY LANDFILL, 26999 HWY 95 MILE POST 128, PARKER, AZ 85344 — U.S. EPA ID Number: AZR[illegible]

Facility's Phone: 928-916-1253

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA2212, ASBESTOS, 9, PGIII	8	BA	1		151
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
E.P.A. REGION IX- 75 HAWTHORNE ST, SAN FRANCISCO, CA 94105 415-774-1000 INFOTRAC ACCOUNT 84412
S.C.A.Q.M.D - 21865 E. COPLEY DR, DIAMOND BAR, CA 91765 909-396-2336 [illegible]
24 HOUR EMERGENCY # (800) 535-5053. ECTI 953 W. REECE ST. SAN BERNARDINO, CA. 92411

B. 1087 324

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name | Signature | Month Day Year

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bradley Huffman | Signature: [signature] | Month Day Year: 7 26 21
Transporter 2 Printed/Typed Name: [illegible] | Signature: [signature] | Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Brian Johnson | Signature: [signature] | Month Day Year: 7 30 21

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

TRANSPORTER COPY

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

Environmental Monitoring Group

12861 Western Ave., Unit F
Garden Grove, CA 92841
Tel: (714) 893-5166
Fax: (714) 492-1348
info@emg-co.com

CERTIFICATE OF ANALYSIS
PHASE CONTRAST MICROSCOPY
NIOSH 7400A

T3 Contractors
Attn: Mike Davis
17130 Van Buren Blvd #53
Riverside, CA. 92504

Date Received: 06/17/2021
Date Analyzed: 06/17/2021
Date Reported: 06/17/2021

EMG Project#: 159179
Project Name: 2021-04-001/ Will Rogers
Location: 2401 Mccann Ave., Santa Monica, CA.

PO Number: 2021-04-001
Job Number:
Total Samples: 3

Sample#	Lab#	Location	Date	Type	Volume	Fibers F/100	8/twa	F/cc	F/mm²
A9	10199	Omar Castro 1452-Plaster @Bldg H	06/16/2021	Personal	240.00	11	0.006	0.022	14.01
A10	10200	Jose Maravillas 0981-Plaster @Bldg H	06/16/2021	Personal	240.00	9	0.005	0.018	11.46
	10201	Field Blank	06/16/2021		0.00	0	0.000	0.000	0.00

Laboratory Analyst
John Pham

Reviewed By
Sean Tran

P.E.L: 1 f/cc
Clearance Level <= 0.01 f/cc
Our policy is to dispose of samples unless written notification is received in our office within 30 days from the reported date.

*Fibers smaller than 0.3 microns in diameter are not detected by PCM.

Environmental Monitoring Group

12861 Western Ave., Unit F
Garden Grove, CA 92841
Tel: (714) 893-5166
Fax: (714) 492-1348
info@emg-co.com

CERTIFICATE OF ANALYSIS
PHASE CONTRAST MICROSCOPY
NIOSH 7400A

T3 Contractors
Attn: Mike Davis
17130 Van Buren Blvd #53
Riverside, CA. 92504

Date Received: 06/16/2021
Date Analyzed: 06/16/2021
Date Reported: 06/16/2021

EMG Project#: 159178
Project Name: 2021-04-001/ Will Rogers
Location: 2401 Mccann Ave., Santa Monica, CA.

PO Number: 2021-04-001
Job Number:
Total Samples: 3

Sample#	Lab#	Location	Date	Type	Volume	Fibers F/100	8/twa	F/cc	F/mm²
A7	10196	Omar Castro 1452-Bldg G Plaster	06/15/2021	Personal	240.00	12	0.006	0.025	15.29
A8	10197	Jose Maravillas 0981-Bldg G Plaster	06/15/2021	Personal	240.00	9	0.005	0.018	11.46
FIELD	10198	Field Blank	06/15/2021		0.00	0	0.000	0.000	0.00

Laboratory Analyst
John Pham

Reviewed By
Sean Tran

P.E.L: 1 f/cc
Clearance Level <= 0.01 f/cc
Our policy is to dispose of samples unless written notification is received in our office within 30 days from the reported date.

*Fibers smaller than 0.3 microns in diameter are not detected by PCM.

Environmental Monitoring Group

12861 Western Ave., Unit F
Garden Grove, CA 92841
Tel: (714) 893-5166
Fax: (714) 492-1348
info@emg-co.com

CERTIFICATE OF ANALYSIS
PHASE CONTRAST MICROSCOPY
NIOSH 7400A

T3 Contractors
Attn: Mike Davis
17130 Van Buren Blvd #53
Riverside, CA. 92504

Date Received: 06/15/2021
Date Analyzed: 06/15/2021
Date Reported: 06/15/2021

EMG Project#: 159174
Project Name: 2021-04-001/ Will Rogers
Location: 2401 Mccann Ave., Santa Monica, CA.

PO Number: 2021-04-001
Job Number:
Total Samples: 3

Sample#	Lab#	Location	Date	Type	Volume	Fibers F/100	8/twa	F/cc	F/mm²
A5	10193	Jose Maravillas 0981-Plaster Bldg C	06/14/2021	Personal	240.00	8	0.004	0.004	10.19
A6	10194	Omar Castro 1452-Plaster Bldg C	06/14/2021	Personal	240.00	10	0.005	0.020	12.74
Blank	10195	Field Blank	06/14/2021		0.00	0	0.000	0.000	0.00

Laboratory Analyst
John Pham

Reviewed By
Sean Tran

P.E.L: 1 f/cc
Clearance Level <= 0.01 f/cc
Our policy is to dispose of samples unless written notification is received in our office within 30 days from the reported date.

*Fibers smaller than 0.3 microns in diameter are not detected by PCM.

Environmental Monitoring Group

12861 Western Ave., Unit F
Garden Grove, CA 92841
Tel: (714) 893-5166
Fax: (714) 492-1348
info@emg-co.com

CERTIFICATE OF ANALYSIS
PHASE CONTRAST MICROSCOPY
NIOSH 7400A

T3 Contractors
Attn: Mike Davis
17130 Van Buren Blvd #53
Riverside, CA. 92504

Date Received: 06/19/2021
Date Analyzed: 06/19/2021
Date Reported: 06/19/2021

EMG Project#: 159182
Project Name: 2021-04-001/ Will Rogers
Location: 2401 Mccann Ave., Santa Monica, CA.

PO Number: 2021-04-001
Job Number:
Total Samples: 3

Sample#	Lab#	Location	Date	Type	Volume	Fibers F/100	8/twa	F/cc	F/mm²
A1	10205	Jose Maravillas 0981-Plaster Bldg J	06/18/2021	Personal	240.00	10	0.005	0.020	12.74
A2	10206	Omar Castro 1452-Plaster Bldg J	06/18/2021	Personal	240.00	8	0.004	0.016	10.19
FIELD	10207	Field Blank	06/18/2021		0.00	0	0.000	0.000	0.00

Laboratory Analyst
John Pham

Reviewed By
Sean Tran

P.E.L: 1 f/cc
Clearance Level <= 0.01 f/cc
Our policy is to dispose of samples unless written notification is received in our office within 30 days from the reported date.

*Fibers smaller than 0.3 microns in diameter are not detected by PCM.

Environmental Monitoring Group

12861 Western Ave., Unit F
Garden Grove, CA 92841
Tel: (714) 893-5166
Fax: (714) 492-1348
info@emg-co.com

CERTIFICATE OF ANALYSIS
PHASE CONTRAST MICROSCOPY
NIOSH 7400A

T3 Contractors
Attn: Mike Davis
17130 Van Buren Blvd #53
Riverside, CA. 92504

Date Received: 06/18/2021
Date Analyzed: 06/18/2021
Date Reported: 06/18/2021

EMG Project#: 159180
Project Name: 2021-04-001/ Will Rogers
Location: 2401 Mccann Ave., Santa Monica, CA.

PO Number: 2021-04-001
Job Number:
Total Samples: 3

Sample#	Lab#	Location	Date	Type	Volume	Fibers F/100	8/twa	F/cc	F/mm²
A3	10202	Jose Maravillas 0981-Plaster Bldg H	06/17/2021	Personal	240.00	8	0.004	0.016	10.19
A4	10203	Omar Castro 1452-Plaster Bldg H	06/17/2021	Personal	240.00	10	0.005	0.020	12.74
FIELD	10204	Field Blank	06/17/2021		0.00	0	0.000	0.000	0.00

Laboratory Analyst
John Pham

Reviewed By
Sean Tran

P.E.L: 1 f/cc
Clearance Level <= 0.01 f/cc
Our policy is to dispose of samples unless written notification is received in our office within 30 days from the reported date.

*Fibers smaller than 0.3 microns in diameter are not detected by PCM.

NV5

Delivering Solutions
Improving Lives