



WATER AND MOLD-IMPACTED MATERIALS REMEDIATION PROTOCOL

WORCESTER POLICE DEPARTMENT

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Atlas Project No. 183DM26002

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1.0 GENERAL

The Contractor shall follow this protocol during the remediation of the limited water-damaged areas within Worcester Police Department; hereinafter referred to as the 'Site'. The Contractor shall provide a lump sum cost for mold remediation work, which includes all remediation work inside the facility. Interior mold work in the facility shall be completed within 14 days of notice to proceed. Worcester Police Department shall coordinate occupant relocation and contents moving prior to the start of work. The Contractor shall coordinate remediation with the Worcester Department of Public Facilities and Worcester Police Department.

Attached limited asbestos bulk sampling shows no asbestos detected in materials to be impacted by water-damage and mold remediation.

Based on these results and observations, the Contractor shall perform all work in Table 1. Note the following additional details:

- Contractor shall provide lump sum price to complete all work specified herein.
- The Contractor will be given 14 days to complete work from notice to proceed.
- Atlas provides technical specification only; contractor shall comply with all administrative requirements of the Worcester Department of Public Facilities and Worcester Police Department.
- All work should be performed while the areas are unoccupied.
- All antimicrobial finishes shall be tinted to match existing paint color subject to approval by owner.

Table 1 summarizes the visual inspection limited to certain areas of the building. Moisture and mold samples were collected from representative areas where staining was present. Surface samples were collected on tape-lift slides where suspect staining was present. Moisture was measured with a Delmhorst Model TechCheck Plus moisture meter; readings were corrected for substrate and are presented as percent wood moisture equivalents by pin reading. Materials were considered wet if they exhibited significantly more moisture than similar unaffected control substrates or were visibly wet or stained. Mold samples were analyzed at EMLab P&K in Marlton, NJ, which is accredited for microbiology analysis by The American Industrial Hygiene Association.

Client shall be responsible for corrective actions to help eliminate moisture including the following:

- Retain HVAC contractor to determine source of excess moisture in AHU and determine corrective actions.
- Monitor relative humidity and utilize supplemental dehumidification as necessary to prevent condensation and mold growth.
- Removal and replacement of all water-damaged ceiling tiles upon repair of roof leaks.

Failure to correct underlying moisture conditions can result in reoccurrence of mold after abatement



Table 1 –Mold Remediation Requirements

Sample Number and Locations	Mold Growth	Moisture (% WME)	Approximate Quantities and Recommendations
T1 – Interior Supply AHU – 3 rd Floor Mechanical Room	<i>Cladosporium</i> <i>Penicillium</i> Mold	<6.0 (S) <6.0 (C) Dry	Remove all interior 720 SF sound dampening insulation and surface clean all interior components (i.e., walls, fans, motors, plumbing, etc.) with an appropriate detergent in accordance with EPA mold removal guidelines. Client shall retain HVAC contractor to reinsulate.
T3 – Cardboard Contents – CSU Rm. 127 Air Intake Plenum	<i>Cladosporium</i> Mold	<9.2 (S) <11.1 (C) Dry	Dispose of 1 CY cardboard trash stored in air intake plenum and limit future storage. Surface clean 750 SF walls, ceiling, floor, etc. HEPA vacuum work area upon completion.
T2 – Supply Vent – RRTC	<i>Cladosporium</i> Mold	Metal surface No measurement	Surface clean 325 EA ceiling mounted supply vents throughout building with an appropriate detergent in accordance with EPA mold removal guidelines. Encapsulate vents with antifungal primer tinted to match existing. HEPA vacuum work area upon completion.
T4 – Supply Vent – Traffic Division Captain’s Office	<i>Cladosporium</i> , <i>Penicillium/Aspergillus</i> Mold	Metal surface No measurement	Same As Above
T5 – Supply Vent – Records Division	<i>Cladosporium</i> , <i>Penicillium</i> Mold	Metal surface No measurement	Same As Above

EA – Each

CY – Cubic Yard

SF – Square Feet

LF – Linear Feet

WME – Wood Moisture Equivalent by Pin (6 - 60%)



1.1 PROTOCOL OVERVIEW

In general, the remediation the Contractor shall furnish all labor, materials, services, permits, insurance, and equipment, which is specified, shown, or reasonably implied for remediation activities specified in the Protocol. The Protocol includes, but is not limited to, the following major components:

- Establishment of engineering controls and critical barriers in preparation of the work areas for removal of water-damaged materials.
- Removal of damaged/contaminated building materials in designated areas.
- Thorough fine cleaning of remaining building material surfaces within the remediation work.
- Criteria for post-abatement efficacy assessment.

Note: No destructive investigative techniques were employed during the site visit, prior to the development of this Protocol. As such, it is possible that additional areas of fungal colonization will be encountered during remediation work. Additional areas encountered during remediation work will be evaluated by a qualified environmental professional, who is experienced in microbial remediation. Appropriate remediation methods to be employed by the Contractor for newly encountered damaged materials, will be promulgated by Atlas.

Hidden mold may also be present in unoccupied areas that are not readily accessible or readily visible (e.g., inside walls, above or on suspended ceilings, etc.), we cannot assure the proposed mold remediation will eliminate all mold in the school. We recommend having custodians clean any isolated areas of mold less than 10 square feet that may be encountered after the remediation. Areas greater than 10 square feet should be cleaned under containment by a remediation contractor.

2.0 GENERAL PROVISIONS

2.1 DEFINITIONS

The following terms and definitions pertain to this remediation Protocol:

Air Duct: A passageway of defined dimensions for the distribution of air within a structure.

Air Filtering Device (AFD): Any one of several varieties of mechanical air moving and filtering machines. It is commonly used to draw air through a series of air filters, including pre-filters and a high efficiency particle air (HEPA) filter to reduce dust and bioaerosol particulates by 95 to 99 percent as compared to the ambient air. An AFD can be used as an AIR SCRUBBER or NEGATIVE AIR MACHINE.

Air Handling Unit (AHU): Any one of several varieties of mechanical air moving, filtering, and conditioning systems. Commonly used to draw or force air through a duct system.

Air Scrubber: A freestanding, un-ducted, fan-driven apparatus used to filter ambient air within a defined area, usually a containment area. Usually it is an AFD that releases filtered exhaust into the contained area. Particulate release at the exhaust should be at least 95 percent lower than particulate measurements at the device intake.

Anti-Microbial: Term applied to chemicals or processes that inhibit microbial proliferation, such as drying or an antibiotic. The suffix -cide is applied to those known to kill living organisms.

Bioaerosol: Airborne particles that are living organisms or fragments that originated from living organisms.

Containment Area: An engineered space within a designated work area designed to control the migration of contaminants to adjacent, non-contaminated regions outside the work area during remediation.



Critical Barrier: An engineered barrier that is impervious to penetration by bioaerosols, vapors, and particulates. The barrier may be constructed of wood, metal, or plastic, as long as aerosols cannot diffuse or migrate past the barrier. (Generally considered part of a containment area.)

Decontamination: The process of cleaning surfaces and objects includes thorough cleaning with HEPA vacuums and/or detergents. Also applies to a chamber or series of chambers used as ingress/egress portals to a contained work area.

GFCI: Ground fault circuit interrupter. An electrical device designed to break an electrical circuit when the circuit is interrupted or overloaded.

HEPA Filter: A high efficiency particulate air (HEPA) filter capable of trapping and retaining 99.97 percent of all mono-dispersed particles equal to or greater than 0.3 micrometers in mass median aerodynamic equivalent diameter.

HEPA Vacuum Equipment: Vacuuming equipment with a HEPA filter system to remove particles from the exhaust air stream.

HVAC System: The heating, ventilation and air-conditioning (HVAC) or entire air distribution system within a building, including, but not limited to the air handler, cooling unit, heating element, humidifier, filter device, ducts, vents, intakes, and exhausts.

Isolation: The sealing of all openings into a work area with six-mil polyethylene sheeting and duct tape to contain dust and contaminants within the work area.

Moisture Content: The estimated percentage, or weight, of moisture (water) in materials, as compared to the weight of the material when “completely” dry.

Negative Air Pressure: Lower air pressure created in a defined area (containment space) by a HEPA-filtered exhaust fan or vacuum device. The pressure differential (generally >5 Pascals [Pa] or -0.02 inches of water in a manometer) allows air movement from adjacent areas of higher pressure into the area of lower pressure. The function is to prevent contaminants from escaping the contained area. An AFD is commonly used to create negative air pressure within a containment by exhausting the air outside the containment, usually outdoors.

Occupied Area: An area, adjacent to the remediation work area that is occupied, or potentially accessible, by unprotected employees, residents, or the public.

OSHA: Occupational Safety and Health Administration.

Personal Protective Equipment (PPE): Clothing or equipment worn to protect the worker or other individual from hazards or exposure to hazardous materials.

Remediation: The overall process of correcting problems related to water damage of building materials and related microbial contamination.

Work Area: Designated rooms, spaces, or areas of the subject site in which microbial remediation actions are to be undertaken. A contained work area is a work area, which has been isolated, equipped with controlled access portals and a decontamination unit, and is under a negative air pressure regime.

2.2 HEALTH AND SAFETY

Remediation work will be performed in compliance with applicable regulatory standards including but not limited to OSHA 29 CFR 1910 Standards for General Industry, OSHA 29 CFR 1926 Standards for the Construction Industry, and the USEPA guidelines for mold remediation. All provisions of this work plan relating to health and safety of workers, the public, and protection of the environment are minimum standards.



The remediation Contractor is responsible for determining whether any additional and/or more stringent protective measures are required by any Federal, State, and local regulations, ordinances or guidelines. Failure on behalf of the remediation Contractor to comply with all applicable requirements does not relieve the Contractor from any liability and/or requirements for performance of the work. Regulations, in the most current version, are applicable throughout this project. Where there is a conflict between this Protocol and Federal, State, or local regulations, the more restrictive or stringent requirements shall prevail.

2.3 REFERENCES

- *Bioaerosols, Their Assessment and Control*. American Conference of Governmental Industrial Hygienists (ACGIH), Cincinnati, Ohio, 1999.
- *Mold Remediation in Schools and Commercial Buildings*. U.S. Environmental Protection Agency, 2008.
- *Guidelines on Assessment and Remediation of Fungi in Indoor Environments*. New York City Department of Health. Updated April, 2002.
- *Carpet Cleaning Standard S100*. Institute of Inspection, Cleaning, and Restoration Certification (IICRC).
- *Standard and Reference Guide for Professional Water Damage Restoration S500 (4th Edition)*. American National Standards Institute (ANSI)/Institute of Inspection, Cleaning, and Restoration Certification (IICRC), 2015.
- *Standard for Professional Mold Remediation S520 (3rd Edition)*. ANSI/IICRC, 2015.
- *Assessment, Cleaning, and Restoration of HVAC Systems ACR 2005*. National Air Duct Cleaners Association 2004.

2.4 UTILITIES

The Owner shall provide water and power supply (i.e., electricity) from existing sources, where the Contractor's use is not excessive and does not interfere with the building or residence's normal usage. Where existing utilities or facilities are not adequate or cannot be used, the Contractor is responsible for providing alternative sources of potable water, personal hygiene, and electrical power. The Contractor shall supply additional circuit and distribution panels, as necessary for the situation.

2.5 LICENSES AND PERMITS

The Contractor shall pay all licensing fees, royalties, and other costs necessary for the use of intellectual property, including, but not limited to: copyrighted or patented product, design, invention, or process in the performance of the work specified in this Section. The Contractor shall be solely responsible for costs, damages, or losses resulting from any infringement of these patent rights or copyrights. The Contractor shall hold the Owner and Atlas harmless from costs, damages, and losses resulting from any infringement of these patent rights or copyrights including reasonable attorney's fees. If the Contractor's Work Plan requests the use of products, design, invention, or processes that requires a licensing, patent, or royalty fee for use in the performance of the job, the Contractor shall be responsible for the fee or royalty fee and shall disclose the existence of such obligations.

2.6 PROJECT COORDINATION

Access to the remediation areas: Only authorized individuals, in the employment of the remediation Contractor, regulatory compliance officials, and Atlas will be permitted to enter the areas isolated for remediation work. Individuals entering the remediation work area will sign the entry log and will wear appropriate PPE, especially an approved respirator; therefore, the individual must meet OSHA regulations for wearing a respirator. In an emergency, emergency response personnel will be allowed access without log entry or PPE.



Authority to Stop Work: Representatives of the building Owner and Atlas have the authority to stop remediation work at any time they determine that conditions are not within the parameters of the Protocol and applicable regulations. The stoppage of work shall continue until conditions have been corrected, to the satisfaction of the building Owner, and Atlas.

Business Disruption: The work area will be restricted to authorized personnel and identified by signage if restrictions occur during normal business hours or hours when employees or public are present.

Decontamination for workers: Workers and others, who enter the contained work area(s), shall be required to decontaminate as they exit the work area. Decontamination includes HEPA-vacuuuming PPE and then removing the PPE, as appropriate, within a decontamination area/ chamber. Remediation workers will not appear in public areas in PPE. Injured workers shall be decontaminated, as appropriate, as they are removed from the contained work area.

Emergency Exits: The Contractor shall establish visible emergency and fire exits from the work area. Emergency egress plans shall be provided to remediation workers and posted in areas readily visible and accessible to the workers. The appropriate emergency response agencies shall be contacted, immediately, for assistance. Engineering controls for remediation work shall not impede common access to emergency exits in the building. Contingency plans for demobilization of engineering controls for an emergency situation should be prepared and coordinated with the remediation company, property management/Owner, Atlas, and with remediation workers.

Injuries: If an injury to a remediation worker occurs, the appropriate emergency response agencies shall be immediately contacted for assistance. The Contractor shall stop work until the injured person has been removed from the work area and the cause of the injury has been determined and corrected. Remediation work shall be temporarily halted in the case of injuries/accidents involving occupants or visitors, when such injuries are related to remediation operations or the work area. Work shall remain stopped until the injured are removed from the area and the cause of the accident/injury has been determined and corrective actions taken.

Remediation Worker Hygiene and Comfort: The Contractor will coordinate with the Owner/manager for use of existing hygiene facilities and if these are not available to workers, the Contractor will provide portable hygiene facilities for remediation workers, including access to potable water for drinking and personal hygiene. The Contractor will consider weather conditions and provide for worker safety and comfort during periods of high or low ambient temperatures.

Work Area Restrictions: Workers will be permitted to smoke only in areas designated by building management or Owner. Workers will not discuss work with the general public. Inquiries are to be directed to the work supervisor.

2.7 PRE-JOB SUBMITTALS

The remediation Contractor shall provide Atlas an affidavit that the following documents are available for review upon request, in lieu of submission of documents:

- A written Respiratory Protection Program for employees, including make, model and National Institute for Occupational Safety & Health (NIOSH) approval number of the respirators to be used, as required by OSHA standards.
 - A written certification for all employees who will wear respirators at the subject space that they are properly trained for respirator use in accordance with 29 CFR 1910.134.
 - Current fit test certificates for each employee who will wear a respirator, at any time, during the course of the project.
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- Proof that all persons who will be wearing air-purifying respirators have current (less than one year prior to the date of their participation on the project) medical examinations as per OSHA requirements. Proof shall consist of a physician's written opinion of said examinations stating that the worker is physically capable of wearing a negative pressure respirator while performing his or her duties.
- Proof that manufacturers' certification that vacuums, negative air pressure equipment filters, and other local exhaust ventilation equipment conform to ANSI Z9.2-1979.
- Certificates of Training that Contractor employees, who are on-site for this project, have been trained in microbial remediation activities.
- Contractor's insurance coverage for mold remediation activities.

The remediation Contractor shall maintain the following documents on-site:

- Safety data sheets (SDS) and application instructions for chemical products to be used.
- Copies of the Project Health and Safety Plan and site Job Safety Analysis.
- Copies of all licenses and permits required for this project.

2.8 POST-JOB SUBMITTALS

Upon completion of work and prior to approval of final payment, Contractor must submit the following documentation to Atlas, as part of a post-job submittal package:

Daily Logs: Copies of daily logs describing the work performed each day, names of all workers and visitors on-site, any unusual activities, etc. The daily logs shall be signed by the Contractor's project supervisor.

Manometer Records: A log of recordings from containment manometers indicating the measured pressure differential, date, time, and initials of the recording party, if negative air pressure is utilized.

Completion Submittal Checklist

Final Completion Submittals/Close-out Documentation, as appropriate for project:

- HEPA-filtered equipment service/maintenance records
- Pressure differential (manometer) records
- Visitor's register/sign-in logs
- Daily site and containment entry/exit logs
- Copies of citations/violations
- Copies of safety meeting attendance records
- Copies of reports of accidents/first aid administration

2.9 MATERIALS

Materials and equipment proposed to be used on this project shall be subject to the acceptance of the Owner and Atlas and in compliance with Federal, State, and local regulations and requirements. The list of required materials shall include, but not necessarily be limited to the following:

- **Cardboard Sheets:** (Optional) Minimum thickness of ¼ inch to prevent damage to wood or other finished surfaces, including carpeting/flooring.
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- **Cleaning Agents:** Only cleaners and detergents shall be used. These agents should be appropriate for the specific job and not be corrosive or leave toxic residue (e.g., chlorine-based detergents should not be utilized unless specified in this Protocol).
- **Critical Barriers:** For this project, it is most feasible for the barriers to be composed of six (6) mil polyethylene sheets, in sizes to minimize the frequency of joints. All seams and interfaces of the barrier shall be sealed with tape or another appropriate material. Polyethylene sheeting shall be flame retardant. Plywood and oriented-strand board (OSB) may be used in some areas as appropriate.
- **Duct Tape:** Duct Tape, two inches or wider, or an equivalent, capable of sealing interfaces of adjacent sheets of plastic and for attachment of plastic sheet to finished or unfinished surfaces of dissimilar materials, and capable of adhering under both dry and wet conditions.
- **Protective Packaging/Disposal of Debris:** Clear or opaque, six (6) mil sealable polyethylene bags. Bags should be doubled to prevent puncture and spillage of contaminated materials. Each bag should be twisted closed and sealed with tape to prevent escape of contaminants.
- **Personal Protective Equipment:** General specifications for PPE, shall be in accordance with the applicable regulations and guidelines such as OSHA standards, USEPA guidelines for mold remediation, or the IICRC S520 for fungal remediation, and include, as a minimum, NIOSH/OSHA approved respirators (half-face or full face, N-95 or P100 filter, negative pressure respirators, PAPR, or supplied air respirators), safety glasses/goggles, and protective clothing, i.e., safety shoes, gloves (both impermeable and work), disposable coveralls with boot protection and hood, and head protection. Respiratory protection shall comply with the OSHA respiratory protection standard (29 CFR 1910.134). Dual cartridge filters with organic vapor filter and P-100 filter may be used.
- **Protective Covering:** Six (6) mil polyethylene sheets, in sizes to minimize the frequency of joints. Polyethylene shall be flame retardant.

2.10 TOOLS AND EQUIPMENT

- **GFCI:** The Contractor shall provide ground fault circuit interrupters (GFCI) to protect all electrical cords and connections.
- **Lighting:** Approved lighting equipment for use in the work area.
- **Manometer:** If the work area is placed under a negative air pressure regime, the remediation Contractor shall provide manometers to measure the pressure differential in each work area relative to non-work areas. The use of digital recording manometer(s) is suggested to provide a permanent record of the pressure differential, including the time, date, and measured pressure differential.
- **Vacuum Equipment:** All vacuum equipment utilized in the work area shall utilize HEPA filtration as per ANSI Z9.2-1979.
- **Other Tools and Equipment:** The Contractor shall provide other suitable tools including but not limited to: saws, brooms, and carts.

3.0 REMEDICATION METHODS

The remediation methods listed below are not meant to exclude other, similarly effective methods. Changes or variances to the recommended protocols should be requested by the Contractor, in writing, and approved by the client and Atlas, in writing, in a timely manner.



- Electrical lines located inside the work areas shall be de-energized and secured (lock-out, tag out) prior to beginning work. The Contractor shall retain the services of a licensed electrician to provide a temporary power panel and equipment in compliance with all electrical code requirements for temporary electrical systems.
 - Electrical cords and equipment used by the Contractor shall be connected to a GFCI in-line with the supplied current. Electrical equipment will not be used if the “ground prong” of the plug has been damaged or is missing.
 - The Contractor shall supply fire extinguishers appropriate for the anticipated conditions at the subject site. A minimum of one (1) fire extinguisher shall be provided inside each containment, plus one (1) outside containment, in the general area of the work area. This may be modified for mini-containments to having only the external fire suppression device. All workers shall be instructed in the general principles of fire extinguisher use and the hazards associated with incipient stage firefighting.
 - The Contractor shall provide temporary lighting in the work area, as necessary. The lighting shall be sufficient to adequately illuminate the work area.
 - High volume AFDs shall be used to provide negative air pressure and/or air filtering within remediation work areas. When possible, AFD shall provide a minimum of four air changes per hour and a negative pressure differential of at least -0.02" water (water in glass tube manometer) or 5 Pascals (Pa) (digital manometer). The AFD shall be located as far from the decontamination chamber, as possible, and ducted to the outdoors with flexible tubing. Where building security or floor plan makes outside exhaust impractical, the AFD may exhaust into interior spaces; however, the exhausted air shall be monitored for particulate release (95% reduction of particulates of 0.3 micrometers in diameter and larger, being exhausted versus intake of ambient air). Furthermore, if outside exhaust is not feasible, at least two AFDs must be “piggy-backed”, filters replaced and clean, and have not been utilized during an asbestos abatement project. Mini-containments may not permit the use of AFD; therefore, HEPA filtered vacuums may be used to create negative air pressures within the work areas; therefore, less negative pressure will be allowed as long as negative pressure is measurable. Reduction of dust and bioaerosols is the primary intent to prevent release of these dusts into occupied areas of the building.
 - Make-up air for negatively pressurized work areas may be drawn from outdoors or from other areas within the building as long as the proper pressure differential is maintained. It is recommended that make-up air be filtered before it enters the work area, preferably with a micro-particulate type air filter.
 - A single chamber decontamination unit may be established for each work area. Remediation workers must not be seen in public areas while wearing PPE.
 - Damaged building materials removed from the structure shall be reduced to manageable fragments and placed in 6-mil polyethylene bags for disposal. Waste filled bags will be decontaminated prior to leaving the decon chamber, bagged in a second polyethylene bag, and sealed closed.
 - If applicable, damaged/moldy carpet shall be removed by cutting manageable size pieces with a sharp instrument (e.g., utility knife) and placed in disposal bags.
 - The Contractor will coordinate with Owner and Atlas concerning the use of biocides and disinfectants in the building.
 - The ambient indoor parameters of temperature and relative humidity should be monitored and controlled during remediation work. It may be necessary to accomplish this through the use of supplemental heating and dehumidification units.
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- The Contractor will coordinate with Atlas concerning the use of biocides and disinfectants in the work areas.
- The Contractor shall provide hygiene facilities for the work crews or coordinate with the manager for use of on-site facilities.
- Remediation workers will not discuss work with the public, but ask that inquiries be directed to the Contractor supervisor or to Atlas consultants. Noise is to be maintained at a reasonable level.
- The remediation Contractor shall provide appropriate relief and safety precautions for workers exposed to high ambient temperatures during remediation work, if applicable.
- Gas-fueled appliances will have the gas supply shut off during remediation work.

4.0 REMEDICATION PROTOCOLS

In general, the remediation Contractor shall furnish all labor, materials, services, permits, insurance, and equipment, which is specified, shown, or reasonably implied for remediation activities specified in the Protocol. The Protocol includes, but is not limited to, the following major components:

- Establishment of engineering controls and critical barriers in preparation of the work areas for fungal remediation.
- Removal of damaged/contaminated building materials and room contents unable to be cleaned.
- Thorough fine cleaning of remaining building material and room contents within the remediation work area.
- Post-abatement efficacy assessment.

4.1 ENGINEERING CONTROLS

- Engineering controls and critical barriers shall be established to isolate the remediation areas.
 - Warning signs in both English and Spanish will be posted at access points to the contained work areas.
- If needed, a waste disposal dumpster may be positioned in a secure area of the property. Coordinate with the manager and municipal authorities, as necessary.
- Inventory, clean, and remove furnishings from the remediation areas if applicable. Clean porous items using a HEPA vacuum, and non-porous items by HEPA vacuuming and damp-wiping with detergent.
- Set-up air filtering devices, as appropriate.
 - HEPA-filters for the AFD should be thoroughly assessed prior to delivery to job site, as well as once inside work zone and prior to activation.
 - The filter should be checked to assure it has no holes, rips, or gaps that could allow contamination to flow through filter and back out into the work zone. The fastening system, holding filter in place, should be checked to assure the filter is securely seated in the correct position.
 - The AFD should be thoroughly cleaned and ready to be placed in the remediation areas.
 - AFD is to provide negative pressure within work area while active remediation is being performed. Upon completion of active remediation, the AFDs may be placed in scrub



mode. It is preferred to have the AFDs provide negative air pressure within the work area at all times, with the exception of two hours prior to efficacy testing.

- Make up air should be filtered.
- Cover flooring that is not to be remediated with polyethylene sheeting. Protective cardboard is also usable.
- The HVAC system shall be shut down and/or isolated from the designated work area, prior to beginning any remediation work. Critical barriers consisting of one layer of 6-mil fire retardant polyethylene sheeting shall be placed over any supply or return air grilles present in the work area. The Contractor shall supply supplemental environmental conditioning of the work areas, as required, to maintain acceptable indoor temperature and relative humidity while the HVAC system(s) cannot service the work areas.

4.2 GENERAL PROTOCOLS

4.2.1 Minor Visible Mold (Areas <10 square feet and surficial in nature)

Any areas of visible mold that are <10 square feet and are largely superficial in nature may be addressed as follows:

- **Porous Building Material** (ceiling tiles, papers, textiles, etc.) - Any porous materials affected should be removed and disposed. Remove at least one to two feet beyond visible growth.
- **Semi-Porous Building Material** (wood, furniture, etc.) - Any wood with visible mold should be scrubbed and wiped with towels to remove any debris using a pre-approved cleaner.
- **Non-Porous Building Material** (metal, plastics, solid surfaces) - Non-porous surfaces should be wiped down and cleaned. A pre-approved cleaner should be applied.

Immediately, place removed materials in 6 mil plastic bag and dispose of as construction waste.

Notes - Please contact Atlas to discuss if the mold is surficial in nature (prior to remediation). Document the mold and remediation with before and after pictures and send to Atlas. If there are foreseen issues or issues arise, please contact Atlas for direction and guidance.

PPE should include respiratory protection. Specific OSHA regulations may apply.

4.2.2 Visible Mold Areas (>10 square feet or more)

- Isolate the designated work areas using appropriate engineering controls, shut off the HVAC, and apply critical barriers.
- Post safety notices around work areas and restrict access
- Set-up AFDs, as appropriate.
- Remove the visible mold affected porous building materials (carpets, corkboards, textiles, etc.)
- PPE should include respiratory protection (see 2.9). Specific OSHA regulations may apply.
 - **Porous Building Material (carpet, carpet padding, etc.)** - Any porous materials affected should be removed and disposed. Remove at least one to two feet beyond visible growth and/or water staining/damage.



- **Semi-Porous Building Material (wood, furniture, etc.)** - Any wood with visible mold should be scrubbed with brushes (or removed if structurally unsound) and wiped with towels to remove any debris using a pre-approved cleaner.
- **Non-Porous Building Material (metal, plastics, solid surfaces)** - Non-porous surfaces should be wiped down and cleaned. A pre-approved cleaner should be applied.

4.3 SITE-SPECIFIC PROTOCOL

Refer to the scope identified in Table 1. If visible suspect mold which was not identified in Table 1 is discovered during cleaning activities, the Contractor will contact Atlas for consultation before proceeding.

4.4 POST-DEMOLITION CLEANING

General cleaning of remaining building materials shall be accomplished as described in the following narratives to include, but not limit to:

- Debris and dust in the containment/work area are to be removed.
 - Once carpet is removed, thoroughly vacuum exposed floors with a HEPA-filtered vacuum.
 - Use of crevice tools and attachments that allow access to small areas is recommended to promote thorough removal of dust, debris, and fungal elements.
 - Thoroughly damp-wipe surfaces (i.e., painted sheetrock walls) with a detergent/cleanser solution.
- The following procedure will be followed to promote a good suspension of dust and debris to allow a thorough wipe down of surfaces.
- Do not saturate materials being cleaned. Allow the cleaning solution to dwell on surfaces for approximately five to ten minutes. This will allow solution to suspend organic soils and contaminants on surface.
- Wipe all surfaces with towels soaked in cleaning solution.
- Towels will be folded into quarters, placed in a clean bucket or container, the cleaning solution will be poured into the container and allowed to cover and soak into towels.
- A surface is considered clean when a dry, white towel can be rubbed on the surface with no transfer of dust/debris or contaminants.
- The structure will be allowed to dry, preferably overnight. The use of a dehumidifier pushing dry air into work/containment area will be used to assure complete drying within 24 hours.

Prior to a final vacuuming, the following should be completed to assure your equipment is working properly. This is to be completed outdoors, prior to entering, to ensure that contamination is not allowed back into the work area from contaminated equipment.

- Change any collection bags or pre-filters.
 - Thoroughly wipe out the inside of the collection area where collection bags are located.
 - Thoroughly wipe the housing of the vacuum, inside and out. This includes wheels or casters.
 - Use new attachment brushes.
-



- Thoroughly clean other attachments being used in second and final vacuuming.

Allow AFD to operate for minimum of 12 hours prior to efficacy assessment and collection of samples, when practical. The use of biocides and surface sealants is not recommended.

5.0 POST-REMEDATION EFFICACY CRITERIA

Upon completion of all gross removal and fine cleaning, the Contractor will provide Atlas with at least a **24-hr notification** for the completed remediation areas to be visually assessed by Atlas. This is to ascertain that the work area meets the following criteria in the work spaces of the building:

5.1 VISUAL CRITERIA

- Contractor materials, equipment, waste bags, etc. shall be removed from the work area except for the negative air machine(s) and temporary lighting.
- The work area shall be visually free of microbial contaminated materials and associated dust or debris. Re-cleaning of the work area shall be required if the above criteria are not met.
- AFD(s) have had a minimum of 12 hours to reduce dust aerosols and bioaerosols. The AFDS may be turned to filter mode 2 hours prior to efficacy sampling and must be placed back into negative pressure filter mode immediately after. Upon satisfaction of the above criteria, sampling may proceed.

5.2 Efficacy Validation

Upon satisfactory completion of the visual survey, Atlas will collect environmental samples, upon request, as described in this section. Environmental samples shall be analyzed by an environmental microbiology laboratory that is accredited by the American Industrial Hygiene Association's (AIHA) Environmental Microbiology Laboratory Accreditation Program (EMLAP). One or more of the following methods may be used.

- For each abatement areas, post abatement clearance shall be to a level of no visible debris.
 - Fungal Surface Sampling Analysis: Samples from environmental surfaces may be collected by micro-vacuum, tape-lift, or swab sampling techniques, as appropriate. If collected, these shall be analyzed by direct microscopy and may be held for future culture analyses.
 - Ambient Fungal Bioaerosol Analysis: At the discretion of the Consultant, fungal bioaerosol sampling can be performed as a tool to measure the total bioaerosol concentration in the work area compared to outdoor environments. Sampling shall consist of total countable bioaerosol (spore trap) samples to screen the work area for hidden mold reservoirs.
 - The testing shall be performed using Zefon Air-O-Cell cassettes or similar. The cassettes shall be used in accordance with the methods recommended by the manufacturer. A high volume pump that has been calibrated against a primary airflow standard shall be used to draw 15 liters of air per minute (lpm) through the cassette for five or ten minutes. One (1) sample will be collected from within each containment, one (1) sample collected from outside the containment area (make-up air) immediately adjacent to the containment, and one (1) control sample shall be collected from the outdoor ambient air for comparative purposes.
 - Efficacy Criteria (As Applicable)
 - Work area samples shall have an estimated total fungal bioaerosol concentration that is equal to or lower than the total estimated bioaerosol concentration of the control (outdoor) samples.
-



- Fungal taxa detected in indoor and outdoor samples shall be similar, as determined by the microbial consultant.
- The estimated bioaerosol concentration for any given fungal taxa identified in the work area samples shall be similar to or lower than that of the control samples.
- Fungal taxa considered to be indicators of significant water damage were not detected in the environmental samples. (Unless they were detected in the control sample and at the same estimated concentration or less.) Specific taxa include species of *Stachybotrys*, *Chaetomium*, and *Ulocladium*. The consultant will determine the acceptability of the analytical data if these spores are present. The presence of indicator fungi that are commonly associated with water damaged building materials in the work area samples may result in not meeting the efficacy criteria, as determined by the consultant.
- Based on the contractual agreement between the Owner and the remediation Contractor, if the Contractor fails to meet the post-remediation criteria because of Contractor error or negligence, the Contractor shall re-clean the work area, at no additional cost to the Owner, and shall also bear the additional efficacy testing cost for each efficacy assessment by a microbial consultant.
- If failure to meet the specifications is found to be from sources un-related to remediation work and beyond the control of the Contractor, the Owner and Atlas will reassess the source and plan for corrective actions.
- If the criteria in this section have been satisfied, then the work area will have met the efficacy screening criteria.

6.0 WASTE DISPOSAL

Wastes from remediation within the building shall be discarded as normal construction debris in an appropriate container and dumped in a landfill, in accordance with applicable state and municipal regulations. Although mold on building materials is not considered a hazardous waste, precautions to prevent others from scavenging materials and being exposed to this trash should be enacted.

7.0 DEMOBILIZATION

Upon satisfactory post-remediation assessment, critical barriers may be dismantled and removed. Waste materials shall be double bagged and discarded.



Attachments
Laboratory Data



EMSL Analytical, Inc.

10-39 45th Road Long Island City, NY 11101

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / manhattanlab@emsl.com

EMSL Order: 032604016

Customer ID: ATC62

Customer PO: 11-81-0030

Project ID:

Attention: Michael Matilainen
Atlas Technical
73 William Franks Drive
West Springfield, MA 01089

Phone: (413) 522-8833

Fax: (413) 781-3734

Received Date: 04/10/2026 11:02 AM

Analysis Date: 04/15/2026

Collected Date: 04/09/2026

Project: TBD / Worchester PD 1AQ / 9-11 Lincoln Square, Worchester, MA 01608

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
OM04092G - 01A 032604016-0001	3rd Floor Mech Rm. - Interior AHU Isolation	Gray Non-Fibrous Homogeneous	95% Glass	5.0% Non-fibrous (Other)	None Detected
OM04092G - 01B 032604016-0002	3rd Floor Mech Rm. - Interior AHU Isolation	Black Fibrous Homogeneous	80% Glass	20.0% Non-fibrous (Other)	None Detected
OM04092G - 02A 032604016-0003	3rd Floor Mech Rm. - Interior AHU Foam Insulation	Brown Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
OM04092G - 02B 032604016-0004	3rd Floor Mech Rm. - Interior AHU Foam Insulation	Tan Non-Fibrous Homogeneous		85% Perlite 15.0% Non-fibrous (Other)	None Detected
OM04092G - 03A 032604016-0005	3rd Floor Hall - 2'x4' Fissured CT	Beige Non-Fibrous Homogeneous	20% Cellulose	10% Ca Carbonate 33% Gypsum 37.0% Non-fibrous (Other)	None Detected
OM04092G - 03B 032604016-0006	Crash Recon - 2'x4' Fissured CT	Brown/Gray Fibrous Heterogeneous	35% Cellulose 10% MinWool 20% Glass	5% Quartz 15% Perlite 15.0% Non-fibrous (Other)	None Detected
OM04092G - 04A 032604016-0007	3rd Floor Hall - 1'x1' Spline CT	Beige Non-Fibrous Homogeneous	15% Cellulose 10% Glass	10% Ca Carbonate 33% Gypsum 32.0% Non-fibrous (Other)	None Detected
OM04092G - 04B 032604016-0008	2nd Floor Hall - 1'x1' Spline CT	Gray Non-Fibrous Homogeneous	30% Cellulose 25% Glass	5% Quartz 15% Perlite 25.0% Non-fibrous (Other)	None Detected
OM04092G - 05A 032604016-0009	Main Men's Locker Room - 2'x2' Fissured CT	Gray Non-Fibrous Homogeneous	10% Cellulose 15% Glass	10% Ca Carbonate 25% Gypsum 40.0% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Long Island City, NY AIHA LAP, LLC-IHLAP Accredited #102581, NVLAP Lab Code 101048-9, CT PH-0170, MA AA000170

Initial report from: 04/16/2026 02:57:13



EMSL Analytical, Inc.

10-39 45th Road Long Island City, NY 11101

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / manhattanlab@emsl.com

EMSL Order: 032604016
Customer ID: ATC62
Customer PO: 11-81-0030
Project ID:

Attention: Michael Matilainen Atlas Technical 73 William Franks Drive West Springfield, MA 01089	Phone: (413) 522-8833 Fax: (413) 781-3734 Received Date: 04/10/2026 11:02 AM Analysis Date: 04/15/2026 Collected Date: 04/09/2026
Project: TBD / Worchester PD 1AQ / 9-11 Lincoln Square, Worchester, MA 01608	

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
OM04092G - 05A	Main Men's Locker	Brown/White	30% Cellulose	10% Quartz	None Detected
032604016-0010	Room - 2'x2' Fissured	Non-Fibrous	15% MinWool	20.0% Non-fibrous (Other)	
	CT	Homogeneous	25% Glass		

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Samples analyzed by EMSL Analytical, Inc. Long Island City, NY AIHA LAP, LLC-IHLAP Accredited #102581, NVLAP Lab Code 101048-9, CT PH-0170, MA AA000170

Initial report from: 04/16/2026 02:57:13



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10-39 45th Road Long Island City, NY 11101

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EMSL Order: 032604016
Customer ID: ATC62
Customer PO: 11-81-0030
Project ID:

Attention: Michael Matilainen Atlas Technical 73 William Franks Drive West Springfield, MA 01089	Phone: (413) 522-8833 Fax: (413) 781-3734 Received Date: 04/10/2026 11:02 AM Analysis Date: 04/15/2026 Collected Date: 04/09/2026
Project: TBD / Worchester PD 1AQ / 9-11 Lincoln Square, Worchester, MA 01608	

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date:	04/10/2026	Sample Receipt Time:	11:02 AM
Analysis Completed Date:	04/15/2026	Analysis Completed Time:	11:55 PM

Analyst(s):

Aldo Atemis PLM (5)

Kerrie Gibson PLM (5)

Samples Reviewed and approved by:

Charles Johnson, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Long Island City, NY AIHA LAP, LLC-IHLAP Accredited #102581, NVLAP Lab Code 101048-9, CT PH-0170, MA AA000170

Initial report from: 04/16/2026 02:57:13



Asbestos Bulk Sample Chain-of-Custody

032604016

Project Name: Worcester PD 1AQ

Project Address: 9-11 Lincoln Square, Worcester, MA 01608

Project Number: TBD

Project Manager: Michael Matilainen

Sampled By: D. Matilainen

Results To: Michael.Matilainen@oneatlas.com

Analysis Type: REM - MF

Turnaround Time: 5 Day Date: 4/19/20

No

Positive Stop: Yes

Special Instructions or Comments:

Field ID	Sample Description	Location	Homogeneous Material
DM040920	Interior AHD Insulation	3rd Floor Mech. Rm.	01
-01B	↓	↓	01
-02A	Interior AHD Foam Insulation		02
-02B	↓		02
-03A	2'x4' Fissured CT	3rd Floor Hall	03
-03B	↓	Crash Recon	03
-04A	1'x1' Spline CT	3rd Floor Hall	04
-04B	↓	2nd Floor Hall	04
-05A	2'x2' Fissured CT	Main Men's Locker Room	05
-05B	↓	↓	05

EMSL LONG ISLAND CITY RECEIVED
2020 APR 10 A 9:40

Relinquished By: [Signature] Date: 4/19/20

Received By: [Signature] Date: 4/10/20

Relinquished By: _____ Date: _____

Received By: _____ Date: _____

Kluboon
04-16-2020

73 William Franks Drive, West Springfield, MA 01089
413.781.0070 | oneatlas.com

EF7 7th 693 3120 / of 1

Report for:

Mr. Mike Matilainen
Atlas - West Springfield
73 William Franks Drive
West Springfield, MA 01089

Regarding: Eurofins Built Environment Testing East, LLC
Project: Worcester Police Station
EML ID: 4423356

Approved by:

Dates of Analysis:

Direct microscopic exam (Qualitative): 02-20-2026



Technical Manager
Ariunaa Jalsrai

Service SOPs: Direct microscopic exam (Qualitative) (EM-MY-S-1039)
AIHA LAP, LLC accredited service, Lab ID #103005

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the samples as received and tested.

Eurofins Built Environment Testing East, LLC ("the Company"), a member of the Eurofins Built Environment Testing group of companies, shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Eurofins Built Environment Testing East, LLC's LabServe® reporting system includes automated fail-safes to ensure that all AIHA LAP, LLC quality requirements are met and notifications are added to reports when any quality steps remain pending.

Client: Atlas - West Springfield
 C/O: Mr. Mike Matilainen
 Re: Worcester Police Station

Date of Sampling: 02-18-2026
 Date of Receipt: 02-19-2026
 Date of Report: 02-23-2026

DIRECT MICROSCOPIC EXAMINATION REPORT

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 22200817-1, Analysis Date: 02/20/2026: Tape sample T1: Interior AHV 3rd Floor Mech. Room				
Very Heavy	Very few	4+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) 4+ <i>Penicillium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 22200818-1, Analysis Date: 02/20/2026: Tape sample T2: Supply Vent RRTC				
Very Heavy	Very few	4+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 22200819-1, Analysis Date: 02/20/2026: Tape sample T3: Contents Air Intake Plenum				
Very Heavy	Few	3+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 22200820-1, Analysis Date: 02/20/2026: Tape sample T4: Supply Vent Traffic Capt. Office				
Heavy	Very few	4+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) 3+ <i>Penicillium/Aspergillus</i> group (spores, hyphae)	None	Mold growth
Lab ID-Version: 22200821-1, Analysis Date: 02/20/2026: Tape sample T5: Supply Vent Records Division				
Very Heavy	Very few	4+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 22200822-1, Analysis Date: 02/20/2026: Tape sample T6: Cubby Shelf SWAT Room				
Heavy	Very few	None	None	Normal trapping

* Indicative of normal conditions, i.e. seen on surfaces everywhere. Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating. Distribution of spore types seen mirrors that usually seen outdoors.

† Quantities of molds seen growing are listed in the MOLD GROWTH column and are graded <1+ to 4+, with 4+ denoting the highest numbers.

†† Some comments may refer to the following: Most surfaces collect a mix of spores which are normally present in the outdoor environment. At times it is possible to note a skewing of the distribution of spore types, and also to note "marker" genera which may indicate indoor mold growth. Marker genera are those spore types which are present normally in very small numbers, but which multiply indoors when conditions are favorable for growth.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

The limit of detection is < 1+ when mold growth is detected.

Eurofins Built Environment Testing East, LLC
3000 Lincoln Drive East, Suite A, Marlton, NJ 08053
(866) 871-1984 www.eurofinsus.com/Built

Client: Atlas - West Springfield
C/O: Mr. Mike Matilainen
Re: Worcester Police Station

Date of Sampling: 02-18-2026
Date of Receipt: 02-19-2026
Date of Report: 02-23-2026

DIRECT MICROSCOPIC EXAMINATION REPORT

PROJECT ANALYST AND SIGNATORY REPORT

Project Analyst



Analyst: Benjamin Reich

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by AIHA LAP, LLC, or any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



EMLab P&K

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Phoenix, AZ: 1501 West Knudson Drive, Phoenix, AZ 85027 • (800) 651-4802
SF, CA: 6000 Shoreline Court, Suite 205, South San Francisco, CA 94080 • (866) 988-6553

Weather	Fog	Rain	Snow	Wind	Clear
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Light	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Moderate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Heavy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

FUNGA

004423356



CONTACT INFORMATION

Company:	Atlas Technical Consultants	Address:	73 William Franks Dr. West Springfield, MA 01089
Contact:	Michael Mattainen	Special Instructions:	Send reports to: michael.mattainen@oneatlas.com dylan.mattainen@oneatlas.com
Phone:	(413) 522-8833		

PROJECT INFORMATION

Project ID:	Lancaster Police Station		
Project Description:	IAQ Survey	Sampling Date & Time:	2/18/20 0900
Project Zip Code:	01008	Sampled By:	Mattainen
PO Number:	183MM26011	Turn Around Time Codes (TAT)	STD - Standard (DEFAULT) ND - Next Business Day SD - Same Business Day Rush WH - Weekend / Holiday

Rushes received after 2pm or on weekends will be considered received the next business day. Please alert us in advance of weekend analysis needs.

Sample ID	Description	Sample Type (below)	TAT (above)	Total Volume / Area (as applicable)	Notes (Time of day, Temp, RH, etc.)	Spore Trap Analysis	Spore Trap Analysis - Other particles	Direct Microscopic Exam (Qualitative)	Quantitative Spore Count Direct Exam	Dust Characterization	Air Fungi (Genus ID + Asp. speciation)	Air Fungi - Full speciation Pen. & Clad. genus only	Air Fungi - Full speciation	1-Media Surface Fungi (Genus ID + Asp. speciation)	1-Media Surface Fungi - Full spec. Pen/Clad genus only	1-Media Surface Fungi - Full speciation	2-Media Surface Fungi (Genus ID + Asp. speciation)	2-Media Surface Fungi - Full spec. Pen/Clad genus only	2-Media Surface Fungi - Full speciation	3-Media Surface Fungi (Genus ID + Asp. speciation)	3-Media Surface Fungi - Full spec. Pen/Clad genus only	3-Media Surface Fungi - Full speciation
T1	later A110-3rd Floor-Mech. Room	T	STD	1. each 2		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
T2	Septic vent RRTFC					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
T3	Contents-Air intake Plenum					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
T4	Supply Vent-Traffic Cop. Office					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
T5	Supply Vent-Records Division					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
T6	Cubby Staff-SUAT Room					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SAMPLE TYPE CODES

BC - BioCassette™	CP - Contact Plate	T - Tape	D - Dust
AIS - Anderson	ST - Spore Trap; Zefon, Allergenco, Burkard ...	SW - Swab	W - Water
SAS - Surface Air Sampler		B - Bulk	SO - Soil
O - Other:			

RELINQUISHED BY

[Signature]
Telex

DATE & TIME

2/18/20 1350

RECEIVED BY

[Signature]

DATE & TIME

[Signature]

REQUESTED SERVICES
(Check boxes below)

Non-Culturable	Spore Trap	Tape Swab Bulk	BioCassette™, Anderson, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plates	Other
----------------	------------	----------------	--	-------

By submitting this Chain of Custody, you agree to be bound by the terms and conditions set forth at <http://www.emlab.com/terms-of-service>

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Fungal COC, Doc. # EMCS-F4855, Rev. # Revised 8/15/19, Page 1 of 1