ASBESTOS ABATEMENT PROJECT DOCUMENTATION

FOR

Former Neillsville Foundry
1200 E. 15th Street
Neillsville, WI 54456

PREPARED FOR

City of Neillsville
118 W. Fifth Street
Neillsville, WI 54456

AIR TECH, INC.

AIR TECH Environmental Services, Inc.
2028 Declaration Drive
Eau Claire, Wisconsin 54703

ATES Project #:102404-16

TABLE OF CONTENTS

Correspondence

Project Design

Contractor Documentation

Waste Manifest

Management Firm Certification

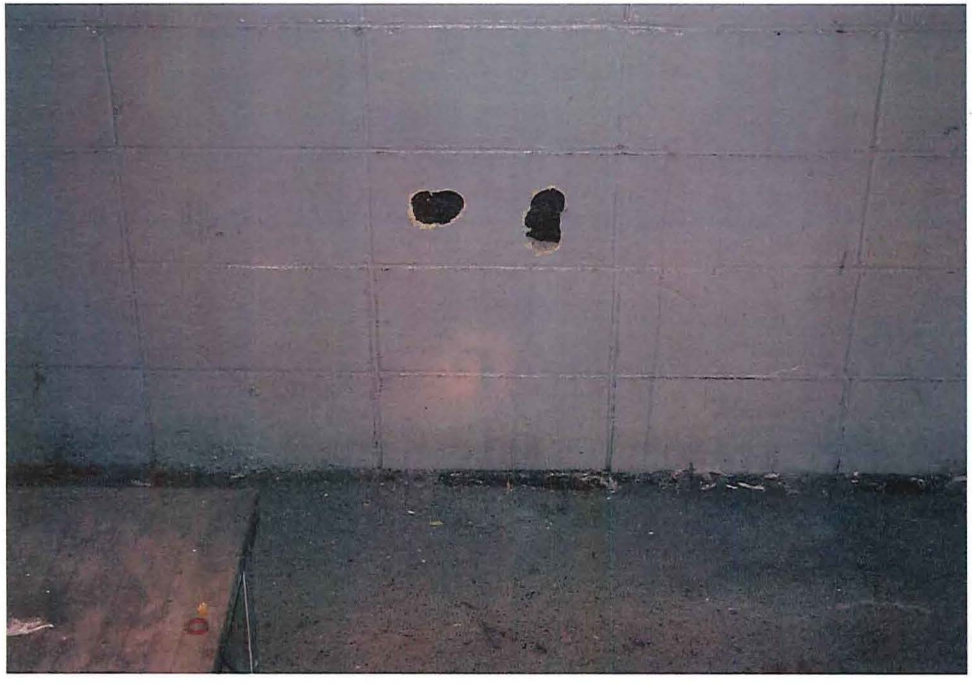
REPORTING INFORMATION

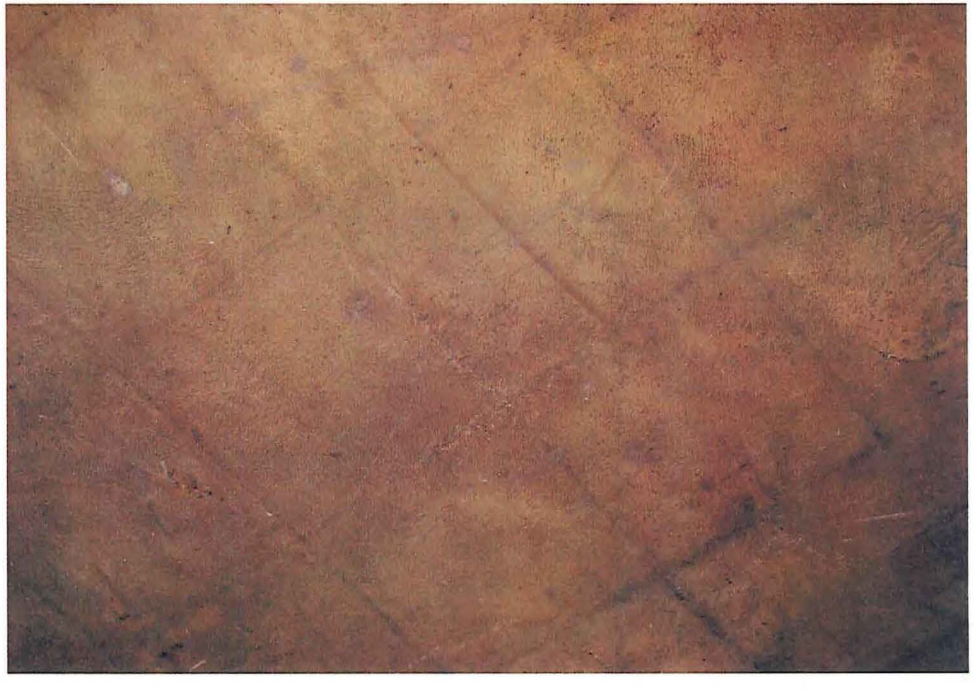
Project Designer:

Ron E. Braswell

Ron E. Braswell
APD-03563

Contractor: ARS
2796 90th Street
Frederic, Wisconsin





CORRESPONDENCE

April 19, 2005

PROPOSAL FOR:

Former Neillsville Foundry
Asbestos Project Design
Asbestos Project Management
Asbestos Abatement

TO:

Ms. Diane Murphy
Mayor
City of Neillsville
118 W. 5th Street
Neillsville, WI 54456

AIR TECH ENVIRONMENTAL SERVICES, INC.
2028 Declaration Drive
Eau Claire, WI 54703
Phone: 715.834.4261
Fax: 715.834.4544
Contact: Ron E. Braswell, President
email:ates8646@charter.net

AIR TECH ENVIRONMENTAL SERVICES, INC.
2028 Declaration Drive
Eau Claire, WI 54703
Phone: 715-834-4261
Fax: 715-834-4544

April 19, 2005

Ms. Diane Murphy
Mayor
City of Neillsville
118 W. 5th Street
Neillsville, WI 54456

Dear Ms. Murphy:

We submit for your consideration the following proposal. Air Tech Environmental Services, Inc. (AIR TECH) shall provide all necessary labor, materials, equipment and insurance to perform the removal and disposal of asbestos-containing materials (as identified below) from the former Neillsville Foundry Building located at 1200 E. 15th Street, Neillsville, Wisconsin. This is offered as a turn-key proposal which will allow for the quickest start and completion date for the project while maintaining the highest standards of quality.

All work will be conducted by Wisconsin certified and licensed workers. Asbestos removal work shall be subcontracted through a professional and fully insured asbestos abatement contractor. All permits, project design, project management, quality control, and documentation shall be provided by AIR TECH. A project over site and a visual inspection shall be conducted as part of the project. Any other asbestos-containing materials located at the facility whether know, unknown or assumed are not included in this proposal. If additional asbestos-containing materials are identified and require removal prior to demolition, a change order will be issued for the additional work.

AIR TECH shall ensure that all work performed under this contract is in full accordance with all EPA, OSHA, DOT, and DHFS regulations. This includes proper work practices, notifications, training, transportation and disposal. AIR TECH requires that we and our subcontractor have full access to the facility during the duration of the project.

Option 1 - Turn-key Project

The above services shall be performed for the following professional fees:

1.)	Removal of 2,050 square feet of floor tile and adhesive	$ 4,100.00
2.)	Removal of 14 mudded asbestos pipe insulation fittings	$ 1,240.00
3.)	Removal of 1 set of entry doors and 5 windows	$ 900.00
4.)	Project specifications, project over site and project documentation	$ 1,485.00
	Total Project Cost:	**$ 7,585.00**

Note: Items 1, 2 & 3 will be conducted by a chosen pre-qualified asbestos abatement contractor. Item 4 will be provided by Air Tech Environmental Services, Inc.

Work as a turn-key project can started as soon as ten (10) calendar days from a sign proposal with a completion date approximately a week later.

Option 2 - Standard Environmental Consultation Project

Design project specifications, walk-thru with contractors, contract administration, project over-site and project documentation.	$ 2,385.00
Estimated asbestos abatement fees	$ 6,100.00
Estimated Project Cost:	**$ 8,485.00**

Work as a standard consultation project will take approximately 4 weeks longer with an estimated project completion date of June 3, 2005 and may require more time depending upon the approval date of an asbestos contractor and the contract.

Please review this proposal and if you find one of the options acceptable, check the appropriate option and return a signed copy to our office so that we may schedule this project. Should you have any questions regarding this proposal, please do not hesitate to contact me at your earliest convenience.

Sincerely,

Ron Braswell

Ron Braswell
President

OPTION 1 (Indicate the Option on the line provided)
Authorized Option Selection

Authorized Signature

5-2-05
Date

FIRM DESCRIPTION AND HISTORY

1) AIR TECH ENVIRONMENTAL SERVICES, INC. (AIR TECH) incorporated in 1996 and has been offering industrial hygiene services in Northwestern Wisconsin for the past 8 years.

1) Our firm works with a wide variety of clients ranging from residential, commercial, engineering/architectural firms and federal/state/local government agencies.

2) AIR TECH is fully insured (including error and omission) for the services we provide.

3) Project Supervision and Management of Project Budgets ranging from $300 to 1.5 million dollars.

Client List:	**Contact:**
Eau Claire School District	Jerry Strader
Memorial Health Center	Kevin Janicki
Howard Young Medical Center	Lee Rand
Excel Energy (Formerly NSP)	Larry Cambell
USDA Forest Service	Ginger Feit
Wisconsin Department of Facilities Development	Dan Day
Hudson School District	Jim Stejskal
Veterans Administration Hospital - Tomah	Pat Mullraine
Hurd Millwork Co., Inc.	John Germain
Owen Ayres & Associates	Dennis Johnson
Advanced Food Products (Land O' Lakes)	Doug Otto
Bloomer Medical Center	Corey Fedie
Cumberland Memorial Hospital	Tim Gagner
Viking Gas Transmission Co.	Jim Schuelke
Ho-Chunk Housing Authority	Neil Whitegull
Concerned Management	John Ringstad
Dunn County Facilities	Dave Wulle
Zappa Construction	Gary Zappa
School District of Cadott	Guy Habeck
Short Elliott Hendrickson Inc.	Kevin Accola
Chippewa County Housing Authority	Pat Spilde
Chippewa Falls United School District	Bob Severson
Fairview Lakes Regional Health Care	Tom Pfeifer

REFERENCES

Eau Claire School District
623 N. Hastings Way
Eau Claire, WI 54703
Mr. Jerry Strader, Facilities Planner
715.852.3153

USDA National Forest Service
1170 4th Avenue South
Park Falls, WI 54552
Ms. Ginger Feit, Property and Procurement Officer
715.762.5162

Hudson School District
1401 Vine Street
Hudson, WI 54016
Mr. Jim Stejskal, Director of Buildings and Grounds
715.386.4911

Owen Ayres and Associates, Inc.
3433 Oakwood Hills Parkway
Eau Claire, WI 54702
Mr. Dennis Johnson, P.E., Manager of Environmental Services
715.834.3161

Hurd Millwork Company, Inc.
Medford, WI 54451
Mr. John Germain, Project Engineer
715.748.2011

Chippewa Falls Area Unified School District
1130 Miles Street
Chippewa Falls, WI 54729
Mr. Bob Severson, Director of Buildings and Grounds
715.726.2417

Fairview Lakes Regional Health Care
5200 Fairview Boulevard North
Wyoming, MN 55092
Mr. Tom Pfeifer, Project Manager
651.982.7142

STAFF QUALIFICATIONS

Ronald E. Braswell, President

Education:
University of Wisconsin - Eau Claire: Bachelor of Science Environmental and Public Health

Professional Training:
University of Wisconsin - Madison Safety Department: Industrial Hygienist
State of Wisconsin: Public Health Sanitarian
EPA Certified Asbestos Supervisor
EPA Certified Asbestos Project Designer
EPA Certified Lead (Pb) Inspector
EPA Certified Lead (Pb) Risk Assessor
McCrone Research Institute: Phase Contrast Microscopy "Asbestos Fiber Counting (NIOSH 582)"
MGI Management Institute - ASHRAE Sponsored "Indoor Air Quality" Course

Asbestos Management:
Ten (10) years of experience planning, managing and overseeing asbestos abatement activities.

David W. Bergeson, Vice President

Education:
University of Wisconsin - Eau Claire: Bachelor of Science Environmental and Public Health

Professional Training:
University of Wisconsin - Madison Safety Department: Industrial Hygienist
McCrone Research Institute: Phase Contrast Microscopy "Asbestos Fiber Counting (NIOSH 582)"
McCrone Research Institute: Polarized Light Microscopy "Microscopical Identification of Asbestos"
EPA Certified Asbestos Supervisor
EPA Certified Asbestos Inspector
EPA Certified Management Planner

Asbestos Management:
Eleven (11) years of experience planning, managing and overseeing asbestos abatement activities.

PROJECT DESIGN

ASBESTOS ABATEMENT SPECIFICATION

FOR

Former Neillsville Foundry
1200 E. 15th Street
Neillsville, WI 54456

PREPARED FOR

City of Neillsville
118 W. Fifth Street
Neillsville, WI 54456

AIR TECH, INC.

AIR TECH ENVIRONMENTAL SERVICES, INC.
2028 Declaration Drive
Eau Claire, Wisconsin 54703

ATES Project #:102404-16

ASBESTOS ABATEMENT SPECIFICATION

FOR

Former Neillsville Foundry
1200 E. 15th Street
Neillsville, WI 54456

PREPARED FOR

City of Neillsville
118 W. Fifth Street
Neillsville, WI 54456

Prepared by:

Ron Braswell
Accredited Asbestos Project Designer
Project Design #: APD-03563

2.01 SCOPE OF WORK

Removal of 2,050 square feet of floor tile and mastic, 4 windows, 1 door and 14 mudded insulation asbestos pipe fittings.

2.02 DESCRIPTION OF WORK

A. The Work specified herein, shall be the removal of asbestos containing materials by competent persons trained, knowledgeable and qualified in the techniques of abatement, handling and disposal of asbestos contaminated areas, who comply with all applicable Federal, State and local regulations and are capable of and willing to perform the work of this contract.

B. The Contractor shall supply all labor, materials, services, insurance, permits and equipment necessary to carry out the Work in accordance with all applicable Federal, State and Local regulations and these specifications.

C. The Contractor is responsible for restoring the work area and auxiliary areas, utilized during the abatement, to conditions equal to or better than original. (This responsibility is waved for demolition projects.) Any damages caused during the performance of abatement work shall be repaired by the Contractor (e.g., paint peeled off by barrier tape, nail holes, water damage, broken glass) at no additional expense to the Owner.

2.03 APPLICABLE STANDARDS AND GUIDELINES

A. All work under this contract shall be done in strict accordance with all applicable federal, state and local regulations, standards and codes governing asbestos abatement and any other trade work done in conjunction with the abatement.

B. The most recent edition of any relevant regulation, standard, document or code shall be in effect. Where conflict among the requirements or with these specifications exists, the most stringent requirements shall be utilized.

C. Copies of all standards, regulations, codes and other applicable documents, including this specification and those listed in Section D shall be available at the work-site in the clean change area of the worker decontamination system.

D. Specific requirements:

1. Title 29, Code of Federal Regulations, Sections 1910.1001, 1926.1101, 1910.134, 1910.2, 1910.1200 and 1926.58. Occupational Safety and Health Administration (OSHA, U.S. Department of Labor.

2. Title 40, Code of Federal Regulations, Part 61, Subparts A and M, National Emission Standards for Hazardous Air Pollutants. U.S. Environmental Protection Agency (EPA).

3. Title 40, Code of Federal Regulations, Part 763, Subparts E and G, Asbestos Abatement Project.

4. Applicable statutes of the State of Wisconsin or any of its municipalities.

2.04 DEFINITIONS

A. Abatement - Procedures to control fiber release form asbestos-containing materials. Includes removal, encapsulation, enclosure, repair, demolition and renovation activities.

B. Air Monitoring - The process of measuring the fiber content of a known volume of air collected during a specified period of time. The procedures normally utilized for asbestos follows the NIOSH Standard Analytical Method for asbestos in Air Method 7400. For clearance air monitoring, electron microscopy methods may be utilized.

C. Aggressive Air Tests - Air tests conducted in an area while the air is disturbed using a leaf blower, fan or other suitable means to simulate the most active air movement that could be expected in that area when occupied.

D. Asbestos - The term "asbestos" includes chrysotile, amosite, crocidolite, tremolite, anthophyllite and actinolite.

E. Asbestos-Containing Material - Material that contains more than one percent asbestos by weight.

F. Asbestos Fibers - This expression refers to asbestos particles having an aspect ratio of 3:1.

G. Area Monitoring - Sampling of asbestos fiber concentrations within the asbestos control area and outside the asbestos control area, which is representative of the airborne concentrations of asbestos fibers which may reach the breathing zone.

H. HEPA Filter Equipment - High Efficiency particulate absolute filtered vacuuming equipment with a filter system capable of collecting and retaining asbestos fibers. Filters shall be of 99.97 percent efficiency for retaining fibers of 9.93 microns or larger.

I. Personal Monitoring - Sampling of asbestos fiber concentrations within the breathing zone of an employee.

J. Time-Weighted Average (TWA) - The TWA is an eight hour, time weighted average airborne concentration of fibers longer than five micrometers per cubic centimeter of air.

K. Repair - To cover damaged (exposed) asbestos mechanical insulation by the application of an approved mastic or encapsulant in such manner that eliminates exposure of the asbestos to room air. A woven cloth may be used in addition to the mastic. On exposed insulation ends, open seams or tears in the outer insulation covering.

L. Bidding Documents - Include the advertisement for bids, Instructions to Bidders, Bid Form, other sample bidding and contract forms drawings (if any) and the Contract Documents including Addenda prior to receipt of Bids.

M. Negative Air Ventilation System - A portable exhaust system equipped with HEPA filtration and capable of maintaining a constant low velocity air flow into contaminated areas from adjacent uncontaminated areas.

N. NESHAPS - The National Emissions Standards for Hazardous Air Pollutants (40 CFR Part 61).

O. Plasticize - To cover floors and walls with plastic sheeting as herein specified.

P. Prior experience - Experience required of the Contractor on asbestos projects of similar nature and scope to ensure capability of performing the asbestos abatement in a satisfactory manner. Similarities shall be in areas related to material composition, project size, abatement methods required, number of employees, work practice and personal protection controls required.

Q. Removal - The stripping of any asbestos-containing materials from surfaces or components of a facility.

R. Renovation - Altering in any way one or more facility components. Operations, in which load-supporting structural members are wrecked or taken out, are excluded.

S. Shower room - A room between the clean room and the equipment room, in the worker decontamination enclosure, with hot and cold or warm running water, controlled at the tap and suitably arranged for complete showering during decontamination.

T. Staging area - Either the holding area or some area near the waste transfer airlock where containerized asbestos waste has been placed prior to removal from the work area.

U. Strip - To take off friable asbestos materials from any part of a facility.

V. Structural member - Any load-supporting member of a facility, such as beams and load-supporting walls or any non-load-supporting member, such as ceilings and non-load-supporting walls.

W. Surfactant - A chemical wetting agent added to water to improve penetration.

X. Visible emissions - Any emissions containing particulate asbestos material that are visually detectable without the aid of instruments. This does not include condensed uncombined water vapor.

Y. Waste transfer airlock - A decontamination system utilized for transferring containerized waste from inside to outside of the work area.

Z. Wet cleaning - The process of eliminating asbestos-contamination from building surfaces and objects by using cloths, mops or other cleaning utensils which have been dampened with water and afterwards thoroughly decontaminated or disposed of as asbestos contaminated waste.

AA. Work Area - Designated rooms, spaces, or areas of the project in which asbestos abatement actions are to be undertaken or which may become contaminated as a result of such abatement actions. A contained work area is a work area which has been sealed, plasticized and equipped with a decontamination enclosure system. A non-contained work area is an isolated or controlled-access work area which has not been plasticized nor equipped with a decontamination enclosure system.

BB. Worker decontamination enclosure - A decontamination system consisting of a clean room, a shower room and an equipment room, separated from each other and from the work area by airlocks and curtained doorways. This system is used for all worker exits in the work area and for equipment and waste pass-out for small jobs.

2.05 SUBMITTALS AND NOTICES

A. Preabatement

1. Abatement projects involving greater than 260 linear feet of pipe insulation or 160 square feet of sprayed, troweled or otherwise applied material or covering or composing building structures or components, send written notification in accordance with 40 CFR Part 61.146 of Subpart M, to the appropriate State and Federal air pollution control agency responsible for the enforcement of the National Emission Standard for Asbestos prior to the commencement of any on-site project activity. Send notification by certified mail, return receipt requested. **Provide Owner with a copy of the notice.**

2. Submit proof satisfactory to the Consultant that required permits, site location and arrangements for transport and disposal of asbestos containing waste materials have been made. Obtain and submit a copy of handling procedures and list of protective equipment utilized for asbestos disposal at the landfill, signed by the landfill owner.

3. Submit a list of all personnel who will be involved in the abatement activity, including; foremen, supervisors, laborers and any other personnel or agent who may be exposed to airborne asbestos fibers or who may be responsible for any aspect of abatement activities. The list shall include all personnel's Asbestos Abatement Workers Certification numbers and expiration date. No personnel may be on-site if not certified and licensed by the Wisconsin Department of Health and Family Services (DHFS).

4. Submit documentation from a physician that all employees or agents, who may be exposed to airborne asbestos in excess of background level, have been provided with any opportunity to be medically monitored to determine whether they are physically capable of working while wearing the respirator required, without suffering adverse health effects. In addition, document that personnel have received medical monitoring as required in OSHA 29 CFR 1926.1101. The Contractor must be aware of and provide information to the examining physician about unusual conditions in the work place environment (e.g., high temperatures, humidity, chemical contaminants) that may impact on the employee's ability to perform work activities.

5. Submit to the Consultant, shop drawings for layout and construction of decontamination enclosure systems and barriers for isolation of the work areas detailed in this Specification and required by applicable regulations.

6. With the Consultant, inspect the premises wherein all abatement and abatement-related activities will occur and submit a statement signed by both, agreeing on building and fixture condition prior to the commencement of the Work.

7. Submit manufacturer's certification that HEPA vacuums, negative pressure ventilation units and other local exhaust ventilation equipment conform to ANSI Z9.2-79.

8. When rental equipment is to be used in abatement areas or to transport asbestos contaminated waste, a written notification concerning intended use of the rental equipment must be provided to the rental agency with a copy submitted to the Consultant.

9. Document NIOSH approvals for all respiratory protective devices utilized on-site. Include manufacturer's certification of HEPA filtration capabilities for all cartridges and filters.

10. Submit documentation of respirator fit-testing for all Contractor employees and agents who must enter the work area. This fit-testing shall be in accordance with qualitative procedures as detailed in 29 CFR 1926.58 Appendix C or be quantitative in nature.

B. Abatement Activities:

1. Submit weekly (or as otherwise required by the Consultant) job progress reports detailing abatement activities. Include review of progress with respect to previously established milestones and schedules, major problems and action taken, injury reports and equipment breakdowns.

2. Submit copies of all transport manifests, trip tickets and disposal receipts for all asbestos waste materials removed from the work area during the abatement process.

3. Submit daily copies of work site entry log books with information on worker and visitor access.

4. Submit logs documenting filter changes on respirators, HEPA vacuums, negative pressure ventilation units and other engineering controls. Verifiable proof of negative air machines latest HEPA filter change must be submitted to project consultant prior to there use. If project consultant deems negative air machines are not properly maintained and in proper working order, these machines will not be allowed on project site.

5. Submit results of materials testing conducted during the abatement for purposes of utilization during abatement activities (e.g., testing of encapsulant for depth of penetration, testing of substitute materials for adherence to encapsulated surfaces).

6. Submit analysis results of personal air samples taken in the work area. The Contractor is responsible for collecting the air samples and the cost of sample analysis.

7. Post in the clean room area of the worker decontamination enclosure a list containing the names, addresses and telephone numbers of the Contractor, the Owner, the Engineer, the General Superintendent, the Air Sampling Professionals, the testing laboratory and any other personnel who may be required to assist during abatement activities.

2.06 SITE SECURITY

A. The work area is to be restricted only to authorized, trained and protected personnel. These may include the Contractor's employees, employees of Subcontractors, Owner employees and representatives, state and local inspectors and any other designated individuals. A list of authorized personnel shall be established prior to job start and posted in the clean room of the worker decontamination facility.

B. Entry into the work area by unauthorized individuals shall be reported immediately to the Consultant by the Contractor.

C. A log book shall be maintained in the clean room area of the worker decontamination system. Anyone who enters the work area must record name, affiliation, time in and time out for each entry.

D. Access to the work area shall be through a single worker decontamination system. All other means of access (doors, windows, hallways, etc.) shall be blocked or locked so as to prevent entry to or exit from the work area. The only exceptions for this rule are the waste pass-out airlock which shall be sealed except during the removal of containerized asbestos waste from the work area and emergency exits in case of fire or accident. Emergency exits shall not be locked from the inside, however, they shall be sealed with polyethylene sheeting and tape until needed.

E. The Contractor shall have control of site security during abatement operations whenever possible, in order to protect work efforts and equipment.

F. The Contractor will have Owner's assistance in notifying building occupants of impending activity and enforcement of restricted access by Owner's employees.

2.07 EMERGENCY PLANNING

A. Emergency planning shall be developed prior to abatement initiation.

B. Emergency procedures shall be in written form and prominently posted in the clean change area and equipment room of the worker decontamination area. Everyone prior to entering the work area must read and sign these procedures to acknowledge receipt and understanding of work site layout, location of emergency exits and emergency procedures.

C. Emergency planning shall include written notification of police, fire and emergency medical personnel of planned abatement activities, work schedule and layout of work area, particularly barriers that may affect response capabilities.

D. Emergency planning shall include considerations of fire, explosion, toxic atmospheres, electrical hazards, slips, trips and falls, confined spaces and heat related injury.

E. Employees shall be trained in evacuation procedures in the event of work place emergencies.

1. For non-life threatening situations - Employees injured or otherwise incapacitated shall decontaminate following normal procedures with assistance from fellow workers if necessary, before exiting the work place to obtain proper medical treatment.

2. For life threatening injury or illness-worker decontamination shall take least priority after measures to stabilize the injured worker, remove him/her from the work place and secure proper medical treatment.

F. Telephone numbers of all emergency response personnel shall be prominently posted in the clean change area and equipment room, along with the location of the nearest telephone.

PART III - MATERIALS AND EQUIPMENT

3.01 MATERIALS

A. General

1. Deliver all materials in the original packages, containers, or bundles, bearing the name of the manufacturer and the brand name.

2. Store all materials subject to damage off the ground, away from wet or damp surfaces and under cover sufficient enough to prevent damage or contamination.

3. Damaged, deteriorating or previously used materials, shall not be used and shall be removed from the work site and disposed of properly.

4. Polyethylene sheeting for walls and stationary objects shall be a minimum of 4 mil. thick. For floors and all other, sheeting of at least 6 mil. thickness shall be used in widths selected to minimize the frequency of joints.

5. Tape - Duct, glass fiber, or other types capable of sealing adjacent sheets of polyethylene and capable of sealing polyethylene to dissimilar finished or unfinished surfaces, under both wet and dry conditions, including the use of amended water.

6. Polyethylene sheeting utilized for worker decontamination enclosure shall be opaque white or black in color.

7. Disposal bags shall be of 6 mil. polyethylene, pre-printed with labels as required by EPA regulation 40 CFR 61.152 (b) (l) (iv) or OSHA requirement 29 CFR 1926.1101 (g) (2) (ii) and DOT, 49 CFR, Parts 171 and 172.

8. Disposal drums shall be metal or fiberboard with locking ring tops.

9. Stick-on labels as per EPA or OSHA requirements (see 3.01, A, 7) for disposal drums.

10. Warning signs as required by OSHA CFR 1926.1101 (j) (l) (ii).

B. Removal

1. Surfactant (wetting agent) shall be a 50/50 mixture of polyethylene ether and polyethylene ester, or equivalent, mixed in a proportion of 1 fluid ounce to 5 gallons of water or as specified by manufacturer. Where work area temperature may cause freezing of the amended water solution, the addition of ethylene glycol in amounts sufficient to prevent freezing is permitted.

2. Encapsulants shall be bridging or penetrant types. The encapsulant shall not be solvent based or utilize a vehicle consisting of hydrocarbons. The material shall not be flammable.

3.02 EQUIPMENT

A. General

1. A sufficient quantity of negative pressure ventilation units equipped with HEPA filtration and operated in accordance with ANSI 29.2-79 (local exhaust ventilation requirements) and EPA guidance document EPA 560/5-85-024 Guidance for Controlling Asbestos-Containing Materials in Buildings, Appendix J: "Recommended Specification sand Operating Procedures for the Use of Negative Pressure Systems for Asbestos Abatement," shall be utilized to provide a minimum of six air changes per hour.

   The contractor shall furnish a copy of their calculations to obtain this air flow if requested by the Consultant. If air-supplied respirators are utilized, estimate the volume of supplied air and add to work place air volume when calculating ventilation requirements. For small enclosures and glovebags, a HEPA filtered vacuum system may be utilized to provide negative air pressure. All HEPA filtration units will be required to be on independent circuits.

2. Type "C" air-supplied respirators in positive pressure or pressure demand mode with full facepiece and HEPA filtered disconnect protection are recommended by the U.S. EPA for all full shift abatement work until the successful completion of final clearance air monitoring. Powered air purifying respirators equipped with HEPA filters and full facepieces or respirators with a higher NIOSH assigned protection factor is recommended. A sufficient supply of charged replacement batteries and filters and a flow test meter shall be available in the clean change area for use with powered air purifying respirators.

   Air purifying respirators with dual high-efficiency (HEPA) filters may be utilized during work area preparation activities. Spectacle kits and eyeglasses must be provided for employees who wear glasses and who must wear full facepiece respirators. Respirators shall be provided that have been tested and approved by the National

Institute of Occupational Safety and Health for use in asbestos contaminated atmospheres.

3. Compressed air systems shall be designed to provide air volume and pressure to accommodate respirator manufacturer's specifications. The compressed air systems shall have a receiver of adequate capacity to allow escape of all respirator wearers from contaminated areas in the event of compressor failure. Compressors must have an in-line carbon monoxide monitor and period inspection of the carbon monoxide monitor must be evidenced. Documentation of adequacy of compressed air systems/respiratory protection system must be retained on-site. This documentation will include a list of compatible components with the maximum number and type of respirators that may be used with the system. Periodic testing of compressed air shall ensure that systems provide air of sufficient quality (Grade D breathing air as described in Compressed Gas Association Commodity Specifications G-7.1).

4. Full body disposable protective clothing, including head, body and foot coverings (unless using footwear as described in 3.02, A, 6) consisting of material impenetrable by asbestos fibers (Tyvek or equivalent) shall be provided to all workers and authorized visitors in sizes adequate to accommodate movement without tearing.

5. Additional safety equipment (e.g., hard hats meeting the requirements of ANSI Standard Z89.1-1981, eye protection meeting the requirements of ANSI Standard Z87.1-1979, safety shoes meeting the requirements of ANSI Standard Z41.1-1967, disposable PVC gloves) as necessary, shall be provided to all workers and authorized visitors.

6. Non-skid footwear shall be provided to all abatement workers. Disposable clothing shall be adequately sealed to the footwear to prevent body contamination.

7. If launderable clothing is to be worn underneath disposable protective clothing, it shall be provided by the Contractor to all abatement workers. Laundering must occur in accordance with 29 CFR 1926.1101 (d) (4) (iii).

8. A sufficient supply of disposable mops, rags and sponges for work area decontamination shall be available.

B. Removal Equipment

1. Sufficient supply of scaffolds, ladders, lifts and hand tools (e.g., scrapers, wire cutters, brushes, utility knives, wire saws, etc.) shall be provided as needed.

2. Sprayers with pumps capable of providing 14 to 15 pounds per square inch (psi) at the nozzle tip at a flow rate of 2 gallons per minute for spraying amended water encapsulants.

3. Rubber dustpans and rubber squeegees shall be provided for clean-up.

4. Brushes utilized for removing loose asbestos-containing material shall have nylon or fiber bristles, not metal.

5. A sufficient supply of HEPA filtered vacuum systems wet/dry shall be available during clean-up.

PART IV EXECUTION

4.01 PREPARATION

A. General

1. Post caution signs meeting the specifications of OSHA 29 CFR 1926.1101 at any location and approaches to a location where airborne concentrations of asbestos may exceed ambient background levels. Signs shall be posted at a distance sufficiently far enough away from the work area to permit an employee to read the sign and take the necessary protective measures to avoid exposure. Additional signs may need to be posted following construction of workplace enclosure barriers.

2. Shut down and lock out electric power to all work areas. Provide temporary power and lighting. Ensure safe installation (including ground faulting) of temporary power sources and equipment by compliance with all applicable electrical code requirements and OSHA requirements for temporary electrical systems.

3. Shut down and lock out all heating, cooling and air conditioning system (HVAC) components that are in, supply, or pass through the work area. Investigate the work area and agree on preabatement condition with Owner. Seal all intake and exhaust vents in the work area with tape and 6 mil. polyethylene. Also seal any seams in system components that pass through the work area. Remove all HVAC system filters and place in labeled 6 mil. polyethylene bags for staging and eventual disposal as asbestos contaminated waste.

4. The Contractor shall provide sanitary facilities for abatement personnel outside of the enclosed work area and maintain them in a clean and sanitary condition throughout the Project.

5. The Owner will provide water hook-up for construction purposes. The Contractor shall connect to existing Owner system.

6. Preclean all moveable objects within the work area using HEPA filtered vacuums and/or wet cleaning methods as appropriate. After cleaning, these objects shall be removed from the work area and carefully stored in an uncontaminated location.

7. Preclean all fixed objects in the work area using HEPA filtered vacuums and/or wet cleaning techniques as appropriate. After precleaning, enclosed fixed objects in 4 mil. polyethylene sheeting and seal securely in place with tape.

8. Preclean all surfaces in the work area using HEPA filtered vacuums and/or wet cleaning methods as appropriate. Do not use any method that would raise dust such as **dry sweeping or vacuuming with equipment not equipped with HEPA filters. Do not disturb asbestos containing materials during the precleaning phase.**

9. Seal off all windows, doorways, elevator openings, corridor entrances, drains, ducts, grills, grates, diffusers, skylights and any other openings between the work area and uncontaminated areas outside of the work area with 4 mil. polyethylene sheeting and tape.

4.02 WORKPLACE EXITS

A. Worker Decontamination Enclosure System

1. Worker decontamination enclosure systems shall be provided at all locations where

workers will enter or exit the work area.

2. Plans for construction, including materials and layout, shall be submitted as shop drawings and approved in writing by the Consultant prior to work initiation. Worker decontamination enclosure systems constructed at the work site shall utilize 6 mil. opaque white or black polyethylene sheeting or other acceptable materials for privacy. Detailed descriptions of portable, pre-fabricated units, if used, must be submitted for the Consutlant's approval. Plans must include floor plan (in accordance with (4.02, A, 3)) with dimensions, materials, size, thickness, plumbing and electrical utilities.

3. The worker decontamination enclosure system shall consist of at least a clean room, a shower room and equipment room, each separated from each other and from the work area by airlocks.

4. Entry and exit from all airlocks and decontamination enclosure system chambers shall be through curtained doorways consisting of two sheets of overlapping polyethylene sheeting. One sheet shall be secured at the top and left side, the other sheet at the top and right side. Both sheets shall have weights attached to the bottom to ensure that they hang straight and maintain a seal over the doorway when not in use. Doorway designs, providing equivalent protection may be utilized.

5. Access between any two rooms in the decontamination enclosure system shall be through an airlock with at least 3 feet separating each curtained doorway. Pathways into (from clean to contaminated) and out from (contaminated to clean) the work area shall be clearly designated.

6. The clean room shall be sized to adequately accommodate the work crew. Benches shall be provided as well as hooks for hanging up street clothes. shelves for storing respirators shall also be provided in this area. Clean work clothes, clean disposable clothing, replacement filters for respirators, towels and other necessary items shall be provided in adequate supply in the clean room. A location for postings shall also be provided in this area. Whenever possible, a lockable door shall be used to permit access into the clean room from outside the work area. Lighting, heat and electricity shall be provided as necessary for comfort. This space shall not be used for storage of tools, equipment, materials or as an office space.

7. The shower room shall contain one or more showers as necessary to adequately accommodate workers. Each shower head shall be supplied with hot and cold water adjustable at the tap. The shower enclosure shall be constructed to ensure against leakage of any kind. An adequate supply of soap, shampoo and towels shall be supplied by the Contractor and available at all times. Shower water shall be drained, collected and filtered through a system with at least 0.5-1.0 micron particle size collection capability.

8. The equipment room shall be used for storage of equipment and tools at the end of a shift, after they have been decontaminated using a HEPA filtered vacuum and/or wet cleaning techniques as appropriate. Replacement filters (in sealed containers until used) for HEPA vacuums and negative pressure ventilation equipment, extra tools, containers of surfactant and other materials and equipment that may be required during the abatement, may also be stored here as needed. A walk-off pan shall be located in the work area just outside the equipment room for workers to clean off foot coverings after leaving the work area and prevent excessive contamination of the worker decontamination enclosure system. A labeled 6 mil. polyethylene bag for collection of disposable clothing shall be located in this room. Contaminated footwear (e.g., rubber boots, other reusable footwear) shall be stored in this area for reuse the following work day.

B. Waste Container Pass-Out Airlock

1. The waste container pass-out airlock shall be constructed at some location away from the worker decontamination enclosure system. Wherever possible, this shall be located where there is direct access from the work area to the outside of the building. When not in use this airlock system should be sealed.

2. This airlock system shall consist of an airlock, a container staging area and another airlock with access to outside the work area.

3. The waste container pass-out airlock shall be constructed in similar fashion to the worker decontamination enclosure system using similar materials, airlock and curtain doorway designs.

4. This airlock system shall not be used to enter or exit the work site.

C. Emergency Exits

1. Emergency exits shall be established and clearly marked with duct tape arrows or other effective designations to permit easy identification from anywhere within the work area. They shall be secured to prevent access from uncontaminated areas and still permit emergency exiting. These exits shall be properly sealed with polyethylene sheeting which can be cut to permit egress it needed. These exits may be the worker decontamination enclosure, the waste pass-out airlock and/or other alternative exits satisfactory to fire officials.

4.03 ISOLATION OF THE WORK PLACE

A. Construction

1. The contaminated work area shall be separated from uncontaminated, occupied areas of the building by the construction of air tight barriers.

2. Walls shall be constructed of wood or metal framing to support barriers in all openings larger than 4' x 8' (if applicable).

B. Maintenance of Enclosure Systems

1. All polyethylene barriers inside the workplace, in the worker decontamination enclosure system, in the waste container pass-out airlock and at partitions constructed to isolate the work area from occupied areas, shall be inspected at least twice daily, once prior to the start of each day's abatement activities. Document inspections and observations in the daily Project log.

2. Damage and defects in the enclosure system are to be repaired immediately upon discovery.

3. Use smoke tubes to test the effectiveness of the barrier system when directed by the Owner.

4. At any time during the abatement activities after barriers have been erected, if visible material is observed outside of the work area or if damage occurs to barriers, work shall immediately stop, repairs be made to barriers and debris/residue cleaned up using appropriate HEPA vacuuming and wet mopping procedures.

5. Install and initiate operation of negative pressure ventilation equipment as needed

to provide a minimum of six air changes per hour. (See Section 3.02, A, 1) Openings made in the enclosure system to accommodate these units shall be made air-tight with tape and/or caulking as needed. Ensure that adequate power supply is available to satisfy the requirements of the ventilating units. Negative pressure ventilation units shall be exhausted to the outside of the building whenever feasible. They shall not be exhausted into occupied areas of the building. Twelve inch extension ducting shall be used to reach from the work area to the outside when required. Careful installation, air monitoring and daily inspections shall be done to ensure that the ducting does not release fibers into uncontaminated building areas.

6. Once constructed and reinforced as necessary, with negative pressure ventilation units in operation as required, test enclosure for leakage, utilizing smoke tubes. Repair or reconstruct as needed.

4.04 WORK PLACE ENTRY AND EXIT PROCEDURES

A. Personal Entry and Exit

1. All workers and authorized personnel shall enter the work area through the worker decontamination enclosure system.

2. All personnel who enter the work area must sign the entry log, located in the clean room, upon entry and exit.

3. All personnel, before entering the work area, shall read and be familiar with all posted regulations, personal protection requirements (including workplace entry and exit procedures) and emergency procedures.

   A sign-off sheet shall be used to acknowledge that these procedures have been reviewed and understood by all personnel prior to entry.

4. All personnel shall proceed first to the clean room, remove all street clothes and appropriately don respiratory protection and launderable and/or disposable coveralls, head covering and foot covering. Hard hats, eye protection and gloves shall also be utilized as needed by each person for each separate entry into the work area.

5. Personnel wearing designated personal protective equipment shall proceed from the clean room through the shower room and equipment room to the main work area.

6. Before leaving the work area all personnel shall remove gross contamination from the outside of respirators and protective clothing by brushing and/or wet wiping procedures.

7. Personnel shall proceed to equipment room where they remove all protective equipment except respirators. Deposit disposable and/or launderable clothing into appropriately labeled containers for disposal and/or laundering.

8. Reusable, contaminated footwear shall be stored in the equipment room when not in use in the work area. Upon completion of abatement, it shall be disposed of as asbestos contaminated waste. Rubber boots may be decontaminated at the completion of the abatement project for reuse.

9. Still wearing respirators, personnel shall proceed to the shower area, clean the outside of the respirators and the exposed face area under running water prior to removal of respirator and shower and shampoo to remove residual asbestos contamination. Various type of respirators will require slight modification of these

procedures.

10. After showering and drying off, proceed to the clean room and don clean disposable and/or launderable clothing if there will be later re-entry into the work area or street clothes if it is the end of the work shift.

11. These procedures shall be posted in the clean room and equipment room.

B. Waste Container Pass-Out Procedures

1. Asbestos contaminated waste, that has been containerized, shall be transported out of the work area through the waste container pass-out airlock or through the worker decontamination enclosure, if a separate airlock has not been constructed.

2. Waste pass-out procedures shall utilize two teams of workers, an "inside" team and an "outside" team.

3. The inside team wearing appropriate protective clothing and respirators for inside the work area shall clean the outside, including bottoms, of properly labeled containers (bags, drums, or wrapped components) using HEPA vacuums and wet wiping techniques and transport them into the waste pass-out airlock from the outside of the work area, enclose the drums in clean, labeled, 6 mil. polyethylene bags and remove them from the airlock to the outside. No worker from the outside team shall further enter the work area through this airlock. The exit from this airlock shall be secured to prevent unauthorized entry.

4.05 PERSONNEL PROTECTION REQUIREMENTS

A. Training

1. Prior to commencement of abatement activities, the Contractor shall have one person designated as a competent person as defined in 29 CFR 1926.1101. This person shall be on site at all times.

2. Prior to commencement of abatement activities, all Contractor personnel must possess a current EPA approved training certificate and a current State of Wisconsin Asbestos Abatement Card.

3. Special on-site training on equipment and procedures unique to this job site shall be performed as required.

4. Training in emergency response and evaluation procedures shall be provided.

B. Respiratory Protection

1. All respiratory protection shall be provided to workers in accordance with the submitted written respiratory protection program.

2. Workers shall be provided with personally issued, individually identified respirators.

3. Respirator types shall be utilized according to the following schedule:

a. Negative pressure air purifying respirators with dual HEPA filters or respirators with a higher protection factor shall be utilized.

b. Powered air purifying respirators equipped with HEPA filters are

recommended for used during abatement activities where the concentration of asbestos fibers does not exceed 25 times the permissible exposure limit.

C. Fit Testing

1. Workers must perform positive and negative air pressure fit tests each time a respirator is put on, whenever the respirator design so permits. Powered air-purifying respirators shall be tested for adequate flow as specified by the manufacturer.

2. Workers shall be given a qualitative fit test in accordance with procedures detailed in 29 CFR 1926.58 Appendix C for all respirators to be used on this abatement Project. Quantitative fit test may be substituted for the qualitative fit test.

3. Documentation of adequate respirator fit must be provided to the Consultant.

4. No one wearing a beard shall be permitted to don a respirator and enter the work area.

5. Additional respirators (minimum of 2 of each type), training and use must be available at the work site for authorized visitors, who may be required to enter the work area.

D. Protective Clothing

1. Disposable clothing including head, foot and full body protection shall be provided in sufficient quantities and adequate sizes for all workers and authorized visitors.

2. Launderable clothing, if required, shall be provided in sufficient quantities and adequate sizes for all workers and authorized visitors.

3. Hard hats, protective eyewear, gloves, rubber boots and/or other footwear shall be provided as required for workers and authorized visitors. Safety shoes may be required for some activities.

4.06 COMMENCEMENT OF WORK

Asbestos abatement may begin only after the following:

A. Enclosure systems have been constructed and tested.

B. Negative pressure ventilation systems are functioning adequately.

C. All pre-abatement submissions, notifications, postings and permits have been provided and are satisfactory to the Owner.

D. All equipment for abatement, clean-up and disposal are on hand.

E. All worker training and certification is completed.

4.07 REMOVAL PROCEDURES

A. Use the following procedure to remove resilient tile floor covering:

1. Begin removal in an area that receives the minimum foot traffic.

2. Floor tiles must be wetted (misted with a garden sprayer) before actual removal begins, unless heat will be used to remove tiles.

3. Start removal by carefully wedging a wall scraper in the seam of two adjoining tiles and gradually forcing the edge of one of the tiles up and away from the floor. Continue to force the balance of the tile up by working the scraper beneath the tile. Exert both a forward pressure and a twisting action on the blade to promote release of the tile from the adhesive and the floor.

4. When the first tile is removed place it, without breaking it further into smaller pieces, in a waste bag or waste container.

5. After the first tile is removed and accessibility to other tiles is improved, force the wall scraper under the exposed edge of another tile. Continue to exert a prying twisting force to the scraper as it is moved under the tile until the tile releases from the floor. Again, dispose of the tile, and succeeding tiles, by placing in a waste bag or waste container without additional breaking.

6. Force the scraper through tightly-adhered areas by striking the scraper handle with a hammer using blows of moderate force while maintaining the scraper at a 25 to 30 degree angle to the floor. The resilient floor covering manufacturers' work practices recommend use of safety goggles during this work.

7. Continue to wet (mist) the tiles throughout the procedure

8. It should be the goal to remove individual tiles as a complete unit, although breakage of tiles is unavoidable.

9. If the procedure above is inadequate to loosen tiles use heat to soften adhesive, or alternatively, without first prying up floor tiles using a scraper, thoroughly heat the tile(s) with a hot air gun or radiant heat source until the heat penetrates through the tile and softens the adhesive, and remove tiles by hand or by using a scraper. The resilient floor covering manufacturers work practices recommend that the hot air gun or radiant heat source, tiles and adhesive be carefully handled to avoid burns, and that heated tiles and adhesive be handled only with suitable glove protection for hands. Caution: Over-heating resilient tile might produce harmful vapors, and a respirator with organic cartridges might be needed.

10. Deposit tiles in a waste bag or leak-tight container. Do not attempt to break tiles after they are in bag.

B. Wet remove residue of adhesive from Concrete: Completely remove residue of adhesive left after removal of resilient floor tile using the following procedure:

1. Start in the corner of the room farthest from the entrance door . Put the removal solution onto the residual adhesive with a hand sprayer or mop over a 6' X 6' (1.82m X 1.82m). Put enough removal stripping solution on to ensure that the area is thoroughly wet. Allow the area to soak for 5-10 minutes. Remove the adhesive using a floor machine equipped with a black floor pad (or equivalent). The subfloor must be kept continuously wet.

2. Occasionally push away the adhesive slurry from the subfloor with a wall or floor scraper to check for complete removal. Continue to use the floor machine, equipped with the black pad, in the same area until the concrete subfloor is cleaned.

3. Remove adhesive around the edge of the room, from missed areas, and from areas difficult to reach with the machine with a hand held piece of the black floor pad using

the above procedure.

4. Wet HEPA vacuum the adhesive slurry. When the HEPA vacuum is full, place a commercially suitable water absorbent into the HEPA container until the adhesive slurry is absorbed. Place adhesive waste in a waste bag or waste container.

5. Rinse area with clear, clean water. Worker's boots should also be rinsed and cleaned.

6. Wet-vacuum standing water with HEPA wet/dry vacuum with a metal floor attachment (no brush).

7. Continue with the above steps until the entire room is complete.

8. Allow subfloor to dry and vacuum using a vacuum equipped with a HEPA filter and metal floor attachment (no brush).

9. After vacuuming, used HEPA filters and cleaner bags should be removed according to the manufacturers' instructions and placed in a waste bag or waste container.

10. Wet-wipe and/or wash down all equipment used during the work.

C. Glove-bag procedure

1. Place all tools needed into the glove-bag.
2. Wrap glovebag around the pipe and seal the bag with staples.
3. Fold over the edges of the glove-bag 3 times and seal the edge with duct tape.
4. Once the glove-bag is completely sealed open up and then seal the port for the water supply (Hudson sprayer).
5. Smoke test the glove-bag and seal any leaks.
6. While continuously spraying the insulation material cut off the asbestos insulation. Continue to wet the material and clean the pipe until there is no insulation visible on the pipe.
7. Wrap tape around the glove-bag so as to seal the asbestos in the bottom of the bag, then carefully cut the bag off the pipe and place it in another disposal bag for disposal.

4.08 CLEAN-UP PROCEDURE

A. Remove and double bag or containerize all visible accumulations of asbestos-containing material and asbestos contaminated debris utilizing rubber dustpans, rubber squeegees, HEPA vacuums, etc. Do not use metal shovels to pick up or move accumulated waste. Affix a waste generator label on the bags.

B. HEPA vacuum and wet clean all building surfaces in the work area.

C. Remove all containerized waste from the work area and waste container pass-out airlock. Generator labels should be affixed to the waste container upon leaving the work area.

D. Decontaminate all tools and equipment and remove at the appropriate time in the cleaning sequence.

E. Inspect the work area for visible residue. If any accumulation of residue is observed, it will be assumed to be asbestos and the work area must be recleaned.

F. The work area shall be cleaned until it is in compliance with state and local requirements and any other stringent criteria agreed upon by the Contractor and Owner prior to initiation of abatement activities.

G. Following the satisfactory completion of clearance air monitoring, remaining barriers may be removed and properly disposed of. A final visual inspection by the Owner shall ensure that no contamination remains in the work area. Unsatisfactory conditions may require additional cleaning and air monitoring (see Section 4.11, Re-establishment of the Work Area).

4.09 CLEARANCE AIR MONITORING

Not applicable

4.10 DISPOSAL PROCEDURES

A. General

1. As the work progresses, to prevent exceeding available storage capacity on-site, sealed and labeled containers of asbestos-containing waste shall be removed and transported to the prearranged disposal location.

2. Disposal must occur at an authorized site in accordance with regulator of NESHAP and applicable state and local guidelines and regulations.

3. All dump receipts, trip tickets, transportation manifests or other documentation of disposal shall be delivered to the Owner for his records. A recommended record keeping format utilizes a chain-of-custody form which includes; the names and addresses of the Generator (Owner) and Contractor, pick-up sites, disposal site, the estimated quantity of the asbestos waste and the type of containers used.

   The form should be signed by the Generator, Contractor and The Disposal Site Operator, as the responsibility for the material changes hands. If a separate hauler is employed, his name, address, telephone number and signature should also appear on the form.

B. Transportation to the Landfill

1. Once the drums, bags and wrapped components have been removed from the work area, they shall be loaded into an enclosed truck for transportation.

2. The enclosed cargo area of the truck shall be free of debris and lined with 6 mil. polyethylene sheeting to prevent contamination from leaking or spilled containers. Floor sheeting shall be installed first and extend up the side walls. Wall sheeting shall be overlapped and taped into place.

3. Drums shall be placed on level surfaces in the cargo area and packed tightly together to prevent shifting and tipping. Large structural components shall be secured to prevent shifting and bags placed on top. Do not throw containers into truck cargo area.

4. Personnel loading asbestos-containing waste shall be protected by disposable clothing including head, body and foot protection and at a minimum, half-face, air purifying, dual cartridge respirators equipped with high efficiency filters.

5. Any debris or residue observed on containers or surfaces outside of the work area resulting form clean-up or disposal activities shall be immediately cleaned-up using

HEPA filtered vacuum equipment and/or wet methods as appropriate.

6. Large metal dumpsters are sometimes used for asbestos waste disposal. These should have doors or tops that can be closed and locked to prevent vandalism or other disturbance of the bagged asbestos debris and wind dispersion of asbestos fibers. Unbagged material shall not be placed in these containers, nor shall they be used for non-asbestos waste. Bags shall be placed not thrown, into these containers to avoid splitting.

C. Disposal at the Landfill

1. Upon reaching the landfill, trucks are to approach the dump location as closely as possible for unloading of the asbestos-containing waste.

2. Bags, drums and components shall be inspected as they are off-loaded at the disposal site. Material in damaged containers shall be repacked in empty drums or bags as necessary. Waste containers shall be placed on the ground at the disposal site, not pushed or thrown out of the trucks.

3. Personnel off-loading containers at the disposal site shall wear protective equipment consisting of disposable head, body and foot protection and at a minimum, half-face, air-purifying, dual cartridge respirators equipped with high efficiency filters.

4. Following the removal of all containerized waste, the truck cargo area shall be decontaminated using HEPA vacuums and/or wet methods to meet the no visible residue criteria. Polyethylene sheeting shall be removed and discarded along with contaminated cleaning materials and protective clothing, in bags or drums at the disposal site.

5. If landfill personnel have not been provided with personal protective equipment for the compaction operation by the landfill operator, the Contractor shall supply protective clothing and respiratory protection for the duration of this operation.

4.11 RE-ESTABLISHMENT OF THE WORK AREA AND SYSTEMS

A. Re-establishment of the work area shall only occur following the completion of clean-up procedures and after clearance air monitoring has been performed and documented to the satisfaction of the Consultant.

B. Polyethylene barriers shall be removed from walls and floors at this time, maintaining decontamination enclosure systems and barriers over doors, windows, etc., as required.

C. The Contractor and Consultant visually inspect the work area for any remaining visible residue. Evidence of contamination will necessitate additional cleaning requirements in accordance with Section 4.07.

D. Additional air monitoring shall be performed in accordance with Section 4.09, if additional clean-up is necessary.

E. Following satisfactory clearance of the work area, remaining polyethylene barriers may be removed and disposed of as asbestos contaminated waste.

F. At the discretion of the Contractor, mandatory requirements for personal protective equipment may be waived following the removal of all barriers.

G. Reattach mounted objects removed from their former positions during area preparation

activities.

H. Relocate objects that were removed to temporary locations back to their original positions. This shall be conducted by members of the School District.

I. Re-establish HVAC, mechanical and electrical systems in proper working order. Remove contaminated HVAC system filters and dispose as asbestos contaminated waste. Decontaminate filter techniques. Install new filters in HVAC systems. Dispose of old filters.

J. Repair all areas of damage that occurred as a result of abatement activities.

CONTRACTOR DOCUMENTATION

Asbestos Removal Services

2796 90th Street
Frederic, WI 54837-5013
Phone 888-458-2488 ~ 715-472-8861~ Fax 715-472-4588

May 9, 2005

ASBESTOS REMOVAL/DISPOSAL DOCUMENTATION

PREPARED FOR

Former Neillsville Foundry
1200 E. 15th Street
Neillsville, WI 54456

Removal and disposal of approximately 2,050 square feet of floor tile and mastic and 13 fittings from throughout the building.

Asbestos Removal Services

2796 90th Street

Frederic, WI 54837-5013

A.R.S. Work Plan

A. Project Name and Address Former Neillsville Foundry

1200 E. 15th Street

Neillsville, WI 54456

B. Asbestos Work Areas:

1. 1st floor office area
2. 1st floor lunch room
3. 1st floor electrical shop
4. 2nd floor office area
5.

C. Amount of ACM: 2,050 sq.ft. Type of ACM: floor tile and mastic

C. Amount of ACM: 13 linear ft. Type of ACM: TSI

D. Date of HVAC Shutdown per Area: N/A

E. Person Responsible for Shutdown: N/A

F. NAF Capacity Rating: 2000

G. Containment Calibrations: See Attached

H. Indoor Exhaust Documentation: N/A

I. Floor Plan and Sketch: See Attached

I. Containment Calibration Form

Job Name: Former Neillsville Foundry

Work Area Location: Various places throughout building

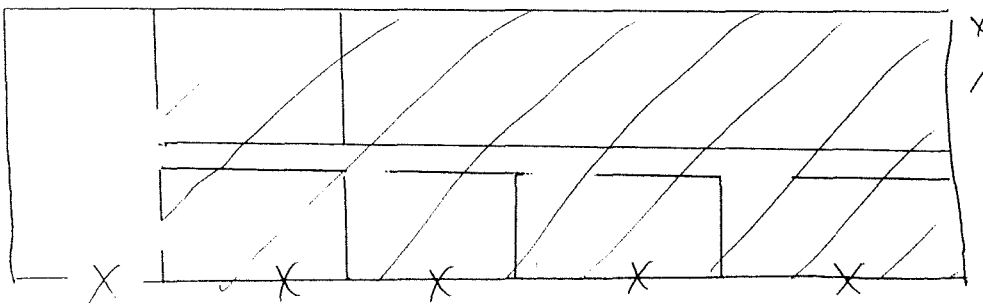
Type of Work in Progress: Asbestos Abatement

Supervisor: Scott Lane

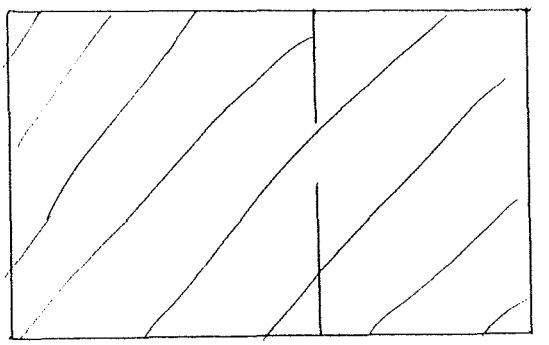
Containment Diagram: *Please note the following*:

1. Locations, Types and Quantities of ACM removed.
2. Locations, Types and Quantities of ACM remaining.
3. Locations of Environmental Air Samples taken.
4. Placement of Asbestos Filtration Devices (AFD's).

1st floor



2nd floor



LEGEND:

AFD-Asbestos Filtration Device
D-Dirty Room
C-Clean Room
S-Shower
B-Bag Out
A-Air Lock

G. Containment Calibration:

Length x Width x Height = Cubic Feet/15 min = #Air Changes/Minute/AFD Capacity = AFS's Needed

_____x_____x_____=_____/15min.=_____/_____=2_____

_____x_____x_____=_____/15min.=_____/_____=_____

_____x_____x_____=_____/15min.=_____/_____=_____

Asbestos Removal Services
2796 90th Street
Frederic, WI 54837-5013

DAILY LOG

DAY OF WEEK: MON TUE WED THUR FRI SAT SUN DATE: May 6, 2005
SITE SUPERVISOR: Scott Lane or Ed Lang
INDEPENDENT LAB REPRESENTATIVE: N/A
SCHEDULED ABATEMENT ACTIVITY: PREP WORK X REMOVAL X

PREP ACTIVITY: DESCRIPTION AND LOCATION OF PLANNED WORK:

Arrived on site
Mobilized equipment onto 1st floor
Set up regulated negative pressure area

REMOVAL ACTIVITY: DESCRIPTION AND LOCATION OF PLANNED WORK:

Floor tile on 1st floor abated
Bag out
Windows removed
2nd floor regulated negative pressure are constructed
Office area floor tile removed
Bag out
Six glove bags preformed throughout foundry
Front door removed and chalk scraped
Demobilize
Visual
Off site

WORKER INJURY: NAME OF WORKER:

FIRST REPORT OF ACCIDENT FILED: YES NO

NATURE OF INJURY:

WITNESSES:

State of Wisconsin
Department of Natural Resources

Notification of Demolition and/or Renovation and Application for Permit Exemption

Form 4500-113 Rev 9-03

Notice: Completion of this information is mandatory under ch. NR 406.04, 410.05 and 447.07, Wis. Adm. Code. Penalties for failure to provide complete information requested include forfeitures of $10 to $25,000, fines of up to $25,000 and imprisonment for up to six months. This form may be used to meet the notification requirements for the Department of Health and Family Services, Wis. Adm. Code 159. Personally identifiable information provided may be matched with other private, state, and federal agencies.

Submit Form: Return completed form to the appropriate office(s) listed on page 2. The DNR does not accept FAXed copies of original or revised notifications.

SHADED AREAS ON THIS FORM ARE FOR DNR USE ONLY.

1. Contractor Project #:	2. Postmark:	3. Date Received:	4. DNR File #:

5. Type of Notification:
☒Original ☐] Revised ☐Cancellation
☐Emergency: Date/Hr Notified:
☐] Other (Explain): ____

6. Type of Project:
☒Renovation/Abatement ☐Emergency Renovation/Abatement
☐] Planned Renovation/Abatement (Annual)
☐ Demolition ☐ Ordered Demolition ☐ Fire Training Burn
Asbestos Present? (Circle one): ☒Yes ☐No

7. Date (MM/DD/YY) of **DNR Required Pre-Project Asbestos Inspection:**
Start: 4/08/05 End: 4/08/05

8. **Inspector Certification Information:**
Name: DAVID W. BERGESON WI Inspector #:AII-03407

9. Dates (MM/DD/YY) of **Asbestos Abatement:**
Start: 5/06/05 End: 6/06/05
Work Shift(s): ☒1 ☒2 ☐3 Weekend: YES

10. Dates (MM/DD/YY) of **Renovation/Demolition:**
Start: 5/06/05 End: 6/06/05
Work Shift(s): ☒1 ☒2 ☐3 Weekend: YES

11. Abatement Contractor:
Name ASBESTOS REMOVAL SERVICES
Address: 2796 90TH STREET
____
City, St, Zip: FREDERIC, WI 54837
Contact Person: SCOTT LANE Telephone #: 715-472-8861

12. Demolition Contractor:
Name: NA
Address____
____
City, St, Zip____
Contact Person: ____ Telephone #: ____

13. Facility Information:
Name FORMER NEILLSVILLE FOUNDRY
Address: 1200 E. 15TH STREET
____
City, St, Zip: NEILLSVILLE, WI 54456
Contact Person: DIANE MURPHY Telephone #: 715-743-2105
Prior Use: FOUNDRY
Present Use VACANT
Age (Yrs): 50; Size (Sq.Ft.): 18,000
Number of Floors: 2; Number of Apartment Units: NA
County: CLARK DNR Region: WEST CENTRAL
Number of structures to be demolished NA

14. Facility Owner:
Name: CITY OF NEILLSVILLE
Address 118 W. 5TH STREET
____
City, St, Zip NEILLSVILLE, WI 54456
Contact Person: DIANE MURPHY Telephone #: 715-743-2105

15. Waste Disposal Site/Transporter:
Name: ONYX SEVEN MILE CREEK LANDFILL
Address: 8001 OLSON DRIVE
City, St, Zip: EAU CLAIRE, WI 54703
Contact Person: ALLEN ALBEE Telephone #: 715-830-0284
DNR License Number: 03097

16. Amount of Asbestos, including: A. Regulated Friable Asbestos/RACM to be removed. B. Category I & II ACM TO BE removed. C. Category I & II ACM NOT removed.	A. Friable Asbestos/RACM TO BE removed	B. Nonfriable Asbestos Material TO BE removed		C. Nonfriable Asbestos Material NOT removed before demolition	
		CAT I	CAT II	CAT I	CAT II
Pipes (Linear Feet)	13				
Surface Area (Square Feet)		2,050			
Volume Friable ACM off facility component (Cubic Feet)					

17. Asbestos Abatement/Demolition Fees - ***Check or money order must be submitted with notification to DNR Asbestos Coordinator***

Project Type	Quantities to be Abated * Refer to Box 6 and Box 16 to determine fee submittal amount * Make checks payable to WI Dept. of Natural Resources	Check Amount Due	Amount Rec'd By DNR
Demolition	Less than 160 square and 260 linear feet of friable or any amount of nonfriable ACM	☐$50	
Reno/Demo	At least 160 sq. or 260 ln. ft. **friable asbestos/RACM** but less than 1000 combined feet	☐$150	
Reno/Demo	Combined square & linear feet **friable asbestos/RACM** quantities of at least 1000 feet	☐$335	

State of Wisconsin/DNR **Notification of Demolition and/or Renovation and Application for Permit Exemption**

18. Indicate the inspection procedure, including analytical methods, used to detect the presence or absence of the ACM
INSPECTION FOR FRIABLE AND NON-FRIABLE ACM CONDUCTED WITH BULK SAMPLING OF SUSPECT ACM. BULK SAMPLE ANALYSIS BY PLM WITH POINT COUNTING AS REQUIRED.

19. Description of the asbestos material involved and its location in the facility to be demolished/renovated:
2050 SQUARE FEET OF CAT I ACM FLOOR TILE AND ADHESIVE FROM THE FRONT OFFICE AREAS. REMOVAL OF 1 ENTRY DOOR AND 5 WINDOWS WITH CAT I PERIMETER CAULK AND GLAZING FROM THE FRONT OFFICE AREAS. REMOVAL OF 13 MUDDED ASBESTOS PIPE INSULAITON FITTINGS FROM THE PRODUCTION AREAS OF THE BUILDING.

20. Description of renovation/abatement and/or demolition work, including specific abatement/demolition method(s) to be used:
ALL FRIABLE AND NON-FRIABLE ABATEMENT METHODS
WET METHODS, CRITICAL BARRIERS, NEGATIVE PRESSURE ENCLOSURE WITH 5-STAGE DECON FULL CONTAINMENT/GROSS REMOVAL

21. Description of abatement work practices/engineering controls and waste handling procedures, specific to this site, used in preventing ACM emissions:
DOUBLE BAG/BARRELL ALL ACM WASTE AND LABEL
WET METHODS, CRITICAL BARRIERS, NEGATIVE PRESSURE ENCLOSURE WITH 5-STAGE DECON, FULL CONTAINMENT/GROSS REMOVAL

22. Description of procedures to be followed if asbestos not previously identified is found or previously nonfriable asbestos becomes crumbled, pulverized or reduced to a powder:
STOP ALL WORK AND CONTACT OWNER/CONSULTANT

23. If an emergency abatement, complete the following information (attach additional sheets if necessary):

Date and Hour of Emergency: Date (MM/DD/YY): Time (12Hr Clock):

Description of sudden, unexpected event: ____

Explanation of how event caused unsafe condition, potential equipment damage or an unreasonable financial burden: ____

24. If an ordered demolition, identify the government agency issuing the order: (Attach a copy of the order.)

Name: ____ Title: ____

Authority: ____

Date of Order (MM/DD/YY): Date Order to begin (MM/DD/YY):

25. I certify that an individual trained in the provisions of this regulation (40 CFR Part 61, Subpart M) will be on-site during the demolition/renovation and evidence that the required training has been accomplished by this person will be available for inspection during normal business hours.

Signature: Amanda Larson Title: SECRETARY Date (MM/DD/YY): 4, 26, 05

26. I certify that the above submitted information is correct to the best of my knowledge:

Signature: Amanda Larson Title: SECRETARY Date (MM/DD/YY): 4, 26, 05

27. Indicate which of the following agencies/offices were sent their mandatory copy of the demolition/renovation notification. DNR has been delegated notification authority - USEPA no longer requires a copy of the notification. Note: Dry asbestos removal requests must be pre-approved by DNR, prior to required notification.

☐ Department of Natural Resources
Asbestos Coordinator, AM/7
Bureau of Air Management
P.O. Box 7921
Madison, WI 53707-7921

☒ Department of Health & Family Services
Division of Public Health
Asbestos/Lead (Pb) Section
P.O. Box 2659
Madison, WI 53701-2659

Copy Southeast Region if work will be conducted within Kenosha, Milwaukee, Ozaukee, Racine, Sheboygan, Walworth, Washington, or Waukesha Counties.

☐ **DNR – Southeast Region**
P.O. Box 12436
Milwaukee, WI 53212
Phone: (414) 263-8500

[redacted]

ASBESTOS SUPERVISOR

Issued By:

STATE OF WISCONSIN

Dept. of Health & Family Services

[redacted] SCOTT ALLEN LANE

[redacted]

		250 lbs	6' 02"
ACS-3205	02/14/2006	[redacted]	Male

Training Date: 02/14/2006

Certificate No: 5LM01270521CSR *Expiration Date: January 27, 2006*

This is to certify that

Scott A. Lane

has attended and successfully completed an

ASBESTOS CONTRACTOR/SITE-SUPERVISOR

REFRESHER TRAINING COURSE

permitted by

the State of Minnesota under Minnesota Rules 4620.3702 to 4620.3722

and meets the requirements of

Section 206 of Title II of the Toxic Substances Control Act (TSCA)

conducted by

Lake States Environmental, Ltd.

in

White Bear Lake, MN on January 27, 2005

Examination Date: January 27, 2005

Lake States Environmental, Ltd
P. O. Box 645, Rice Lake, WI 54868
(800) 254-9811

Training Instructor

Company A-1 Asbestos Removal Position [redacted] Exam Dat

MEDICAL CLEARANCE for ASBESTOS SURVEILLANCE

Initial / Periodic Medical Questionnaire for Asbestos reviewed	☒ Positive	☐ Negative	
Spirometry within normal limits	☒ Yes	☐ No	
B-Reader chest x-ray within normal limits (if required)	☐ N/A	☐ Yes	☐ No ☒ Pending
Physical exam within normal limits. No detected medical conditions that would place the employee at an increased risk of health impairment for exposure to asbestos, tremolite, anthophyllite or actinolite	☒ Yes	☐ No	
The employee has been informed by me of any medical conditions that may result from asbestos, tremolite, anthophyllite or actinolite exposure	☒ Yes	☐ No	
The employee has been informed by me of the results of the medical examination	☒ Yes	☐ No	

RESPIRATOR APPROVAL

X No respirator use restrictions cxr read pending
No respirator use permitted
Respirator use with the following recommended restrictions

Medical opinion pending review of requested medical information.

COMMENTS

MEDICAL CLEARANCE for RESPIRATOR USE

Respirator type ☐ Filtering Face Mask ☐ Helmet/Hood ☐ SCBA
☐ Half Face Mask ☐ Full Face Mask

OSHA Respirator Questionnaire reviewed	☐ Yes	☐ No	
Spirometry within normal limits	☐ Yes	☐ No	
Chest x-ray within normal limits (if required)	☐ N/A	☐ Yes	☐ No ☐ Pending
Other tests within normal limits	☐ Yes	☐ No	
Names of tests			
Physical exam within normal limits	☐ Yes	☐ No	

RESPIRATOR APPROVAL

No respirator use restriction
No respirator use permitted
Respirator use with the following recommended restrictions

Medical opinion pending review of requested medical information

COMMENTS

Printed Employer Name Erin Benedict
Signature of Examiner E. Benedict, PAC Date 3/31/05

ASBESTOS WORKER
Issued By
STATE OF WISCONSIN
Dept. of Health & Family Services
JEREMIAH L JOHNSON
[redacted]

AWW-114250	Exp: 03/31/2006	156 lbs	5' 05"
	[redacted]		Male

Training due by: 03/31/2006

Certificate No: SLM03310513WI Expiration Date: March 31, 2006

This is to certify that
Jeremiah L. Johnson
has attended and successfully completed an
ASBESTOS WORKER
INITIAL TRAINING COURSE
permitted by
the State of Minnesota under Minnesota Rules 4620.3702 to 4620.3722
and meets the requirements of
Section 206 of Title II of the Toxic Substances Control Act (TSCA)
conducted by

Lake States Environmental, Ltd.
in
White Bear Lake, MN on March 28- 31, 2005
Examination Date: March 31, 2005

Lake States Environmental, Ltd
P O Box 645, Rice Lake, WI 54868
(800) 254 9811

Charles H. May
Training Instructor

[redacted] NOW

PHYSICIAN'S WRITTEN OPINION
Asbestos Protection

Date: 11/28/03

From: NOW Care Medical Centers, Inc

Company: Asbestos Removal

Patient name: Edwin Lang

Social Security number: [redacted]

In accordance with the requirements of OSHA Asbestos Standards under 29 CFR 1926.1101, the examining physician will provide the employer with a written opinion, which shall contain the following:

- This is to certify, that I have examined the above named patient and determined on this date 11/28/03 and in accordance with the OSHA Standard 29, CFR 1926.1101 the individual may (✓) may not ( ) use a respiratory device while performing his/her employment services.

The results of my examination have not (✓) have ( ) detected a medical condition which would place the employee at an increased risk of material health impairment from exposure to asbestos; and in accordance with OSHA requirements, I have informed the above named individual of the results of his/her exposure to asbestos.

Recommendations: None

I routinely advise all screened patients that any degree of smoking may have a serious and adverse synergistic relationship with asbestos.
Asb Removal (company) and each applicant must determine whether smokers should be hired for asbestos exposed position.
The complete medical written opinion on the above named individual will be forwarded to the employer pending final interpretation of any additional medical data required by the medical examiner.

Provider Signature: [signature] Date: 11/28/03

04/03 kjs

[redacted]

205 lbs	5' 07"
AGS-16266	[redacted]

Certificate No: SLM041604006CSR — Expiration Date: April 16, 2005

This is to certify that

Edwin Lang

has attended and successfully completed an

ASBESTOS CONTRACTOR/SITE-SUPERVISOR REFRESHER TRAINING COURSE

permitted by
the State of Minnesota under Minnesota Rules 4620.3702 to 4620.3722
and meets the requirements of
Section 206 of Title II of the Toxic Substances Control Act (TSCA)
conducted by

Lake States Environmental, Ltd.

in

White Bear Lake, MN on April 16, 2004
Examination Date: April 16, 2004

Lake States Environmental, Ltd
P. O. Box 645, Rice Lake, WI 54868
(800) 254-9811

Training Instructor

Employee Name: [redacted] Turczyk Date of Birth: [redacted]

Company: Asbestos Removal Tech Position Exam Date: 3.31.05

MEDICAL CLEARANCE for ASBESTOS SURVEILLANCE

Initial - Periodic Medical Questionnaire for Asbestos reviewed	☒ Positive	☐ Negative
Spirometry within normal limits	☒ Yes	☐ No
B-Reader chest x-ray within normal limits (if required)	☐ N/A ☐ Yes ☐ No	☒ Pending
Physical exam within normal limits. No detected medical conditions that would place the employee at an increased risk of health impairment for exposure to asbestos, tremolite, anthophyllite or actinolite	☒ Yes	☐ No
The employee has been informed by me of any medical conditions that may result from asbestos, tremolite, anthophyllite or actinolite exposure	☒ Yes	☐ No
The employee has been informed by me of the results of the medical examination	☒ Yes	☐ No

RESPIRATOR APPROVAL

X No respirator use restrictions - CXR pending results
No respirator use permitted
Respirator use with the following recommended restrictions

Medical opinion pending review of requested medical information

COMMENTS

MEDICAL CLEARANCE for RESPIRATOR USE

Respirator type: ☐ Filtering Face Mask ☐ Helmet/Hood ☐ SCBA
☐ Half Face Mask ☐ Full Face Mask

OSHA Respirator Questionnaire reviewed	☐ Yes	☐ No
Spirometry within normal limits	☐ Yes	☐ No
Chest x-ray within normal limits (if required)	☐ N/A ☐ Yes ☐ No	☐ Pending
Other tests within normal limits	☐ Yes	☐ No
Names of tests:		
Physical exam within normal limits	☐ Yes	☐ No

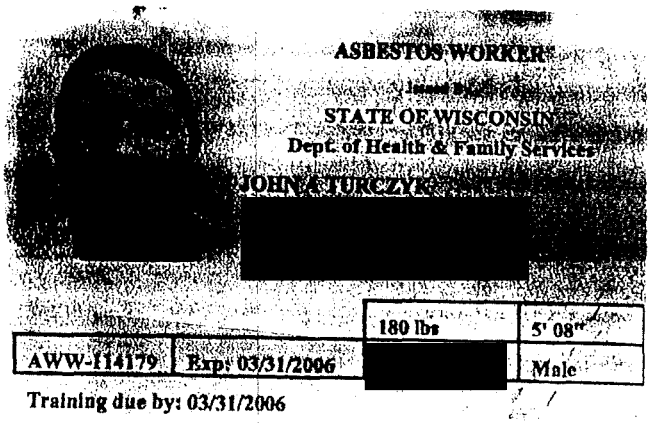
RESPIRATOR APPROVAL

No respirator use restrictions
No respirator use permitted
Respirator use with the following recommended restrictions

Medical opinion pending review of requested medical information

COMMENTS

Printed Examiner Name: Lori Benedict
Signature of Examiner: L Benedict, PA C Date: 3/31/05



Certificate No: SLM03310501WI Expiration Date: March 31, 2006

This is to certify that

John A. Turczyk

has attended and successfully completed an

ASBESTOS WORKER

INITIAL TRAINING COURSE

permitted by

the State of Minnesota under Minnesota Rules 4620.3702 to 4620.3722

and meets the requirements of

Section 206 of Title II of the Toxic Substances Control Act (TSCA)

conducted by

Lake States Environmental, Ltd.

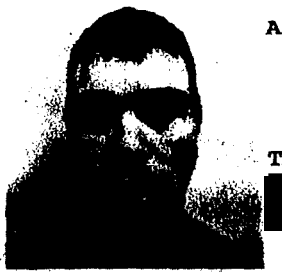
in

White Bear Lake, MN on March 28- 31, 2005

Examination Date: March 31, 2005

Lake States Environmental, Ltd
P. O. Box 645, Rice Lake, WI 54868
(800) 354-9811

Charles H. May
Training Instructor



ASBESTOS WORKER

Issued By

STATE OF WISCONSIN

Dept. of Health & Family Services

TROY S STANHOPE

[redacted]

		160 lbs	5' 07"
AWW-109733	10/23/2005	[redacted]	Male

Training due by: 10/23/2005

Employee Name Candy Gonzales Date of Birth [redacted]

Company Asbestos Removal Serv Position Exam Date 3/31/05

MEDICAL CLEARANCE for ASBESTOS SURVEILLANCE:

Initial / Periodic Medical Questionnaire for Asbestos reviewed ☐ Positive ☒ Negative

Spirometry within normal limits ☐ Yes ☒ No

B-Reader chest x-ray within normal limits (if required) ☐ N/A ☐ Yes ☐ No ☒ Pending

Physical exam within normal limits. No detected medical conditions that would place the employee at an increased risk of health impairment for exposure to asbestos, tremolite, anthophyllite or actinolite ☒ Yes ☐ No

The employee has been informed by me of any medical conditions that may result from asbestos, tremolite, anthophyllite or actinolite exposure ☒ Yes ☐ No

The employee has been informed by me of the results of the medical examination ☒ Yes ☐ No

RESPIRATOR APPROVAL

___ No respirator use restrictions

___ No respirator use permitted

X Respirator use with the following recommended restrictions

___ Medical opinion pending review of requested medical information

COMMENTS

MEDICAL CLEARANCE for RESPIRATOR USE

Respirator type ☐ Filtering Face Mask ☐ Helmet/Hood ☐ SCBA ☐ Half Face Mask ☐ Full Face Mask

OSHA Respirator Questionnaire reviewed ☐ Yes ☐ No

Spirometry within normal limits ☐ Yes ☐ No

Chest x-ray within normal limits (if required) ☐ N/A ☐ Yes ☐ No ☐ Pending

Other tests within normal limits ☐ Yes ☐ No

Names of tests

Physical exam within normal limits ☐ Yes ☐ No

RESPIRATOR APPROVAL

___ No respirator use restrictions

___ No respirator use permitted

___ Respirator use with the following recommended restrictions

___ Medical opinion pending review of requested medical information

COMMENTS

Physician Examiner Name

Signature of Examiner Date 3/31/05

[redacted]

Certificate No: SLM03310512WI *Expiration Date: March 31, 2006*

This is to certify that

Candy Gonzales

has attended and successfully completed an

ASBESTOS WORKER

INITIAL TRAINING COURSE

permitted by

the State of Minnesota under Minnesota Rules 4620.3702 to 4620.3722

and meets the requirements of

Section 206 of Title II of the Toxic Substances Control Act (TSCA)

conducted by

Lake States Environmental, Ltd.

in

White Bear Lake, MN on March 28- 31, 2005

Examination Date: March 31, 2005

Lake States Environmental, Ltd
P. O. Box 645, Rice Lake, WI 54868
(800) 254-9811

Charles H. May
Training Instructor

WASTE MANIFEST

Non-Hazardous Waste Shipment Manifest or Asbestos Manifest

WSR # 018038

Generator

1. - A. Special Waste Profile # 600238NP

1. - B. 24 Hour Response Telephone Number 715-472-8861

1. Customer Name and Mailing Address: ARS

Contact Name: Scott Lane

Contact Phone No: 715-472-8861

2. Site Address: Former Nieuwsville Farm Dry 1200 E. 15th St. NIEUWSVILLE, WI.

Site Fax No:

3. Waste Disposal Site (WDS) Name, Mailing Address, and Physical Site Location:
Onyx Seven Mile Creek Landfill, LLC
8001 Olson Drive, Eau Claire, WI 54703

WDS Phone Number: **(715) 830-0284**

4. Name and Address of Responsible Agency:
U.S Environmental Protection Agency, Region V
77 West Jackson, Chicago, IL 60604

5. Description of Materials	6. Containers No.	Type	7. Total Quantity m3	(yd3)
RQ Asbestos, 9, NA2212,PG III	38	drums	5	yds.

8. Special Handling Instructions and Additional Information
24 HOURS NOTICE, MUST BE BURIED. (If Asbestos)

9. GENERATOR'S CERTIFICATION: I hereby declare that the contains of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

Print / Typed Name & Title | Signature | Month Day Year

Hauler

10. Transporter 1 (Acknowledgement of Receipt of Materials)

Print / Typed Name & Title | Signature | Month Day Year

Address and Telephone No.

11. Transporter 2 (Acknowledgement of Receipt of Materials)

Print / Typed Name & Title: ARS

Signature: Candy Gonzales

Month Day Year: 5-11-05

Address and Telephone No.: 472-8861

Disposal Site

12. Discrepancy Indication Space

13. Waste Disposal Site Owner or Operator:
Certification of receipt of waste materials covered by this manifest except as noted in item 11.

Print / Typed Name & Title: Jeri Nesio / Gate Attendant

Signature: Jeri Nesio

Month Day Year: 5 11 05

North (Coordinates if Asbestos) East Elevation

WHITE - Waste Disposal Site CANARY - Generator/Operator PINK - Transporter GOLD - Generator/Operator

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
TRANSPORTATION SERVICE LICENSE

AUTHORIZED CONTACT:

SCOTT A LANE, OWNER
ARS ASBESTOS REMOVAL SERVICES
2796 90TH ST
FREDERIC, WI 54837

LICENSE NO: 14297
TYPE OF FACILITY: Solid Waste Transporter

EFFECTIVE DATE: October 1, 2004
DATE OF EXPIRATION: September 30, 2005

LICENSEE: ARS ASBESTOS REMOVAL SERVICES

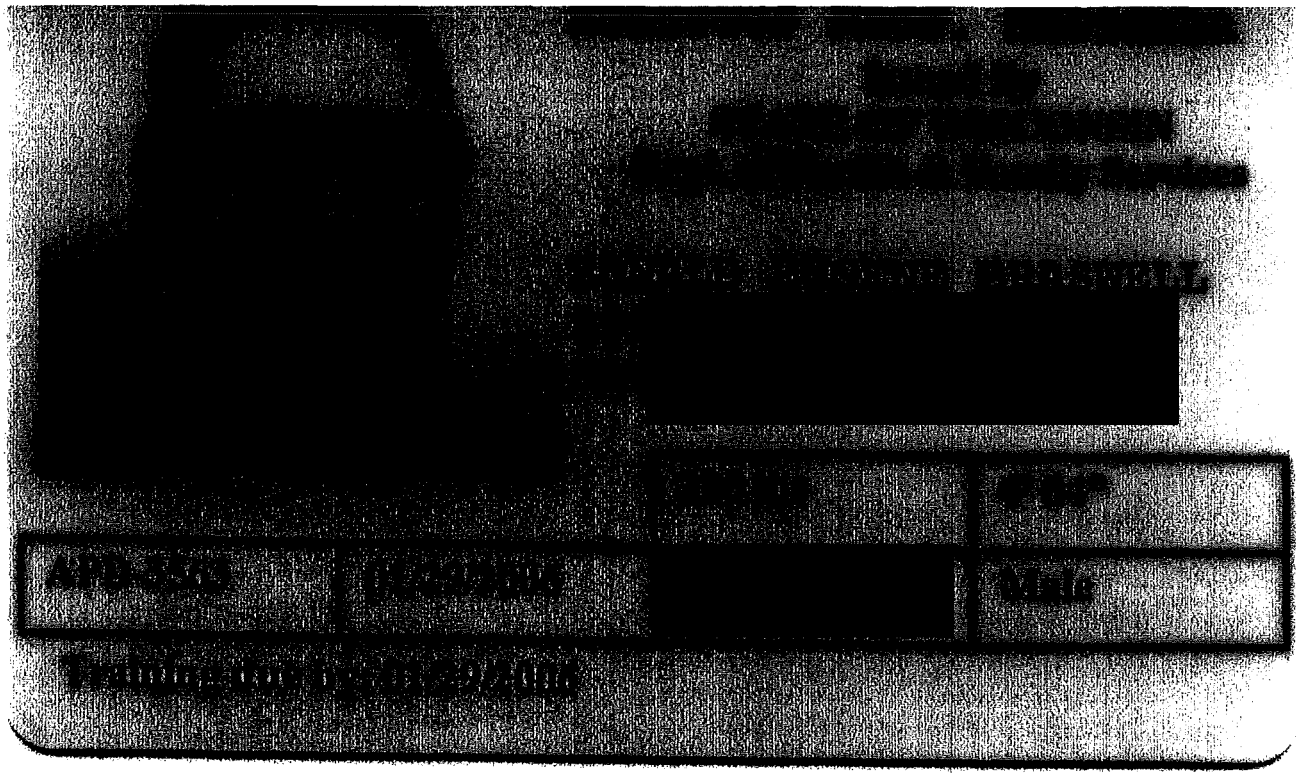
NAME OF OPERATION: ARS ASBESTOS REMOVAL SERVICES

LOCATION OF OPERATION:

2796 90TH ST FREDERIC
POLK COUNTY, STATE OF WISCONSIN

This license authorizes the licensee to operate the transportaion service described above during the term specified. This license is subject to and conditioned upon compliance with the provisons of chapter 287, and 289, Wis. Stats., chapters NR 500-590, Wis. Adm. Code. Any exemptions from the requirements of chapters NR 500-590, Wis. Adm. Code, issued for this service are listed above.

MANAGEMENT FIRM CERTIFICATION



ASBESTOS PRE-DEMOLITION SURVEY REPORT

FOR

City of Neillsville
118 W. Fifth Street
Neillsville, WI 54456

FOR THE LOCATION

Former Neillsville Foundry Building
1200 E. 15th Street
Neillsville, WI 54456

AIR TECH, INC.

Air Tech Environmental Services, Inc.
2028 Declaration Drive
Eau Claire, Wisconsin 54703
Phone: 715-834-4261 Fax: 715-834-4544

April 8, 2005
AIR TECH Project No. 102404-16

ASBESTOS PRE-DEMOLITION SURVEY REPORT

Former Neillsville Foundry Building
1200 E. 15th Street
Neillsville, WI 54456

PREPARED FOR

City of Neillsville
118 W. Fifth Street
Neillsville, WI 54456

AIR TECH Project No. 102404-16

Prepared by:

David W. Bergeson
Inspector #: AII-03407

Reviewed by:

Ron Braswell
President

TABLE OF CONTENTS

EXECUTIVE SUMMARY 1

SECTION 1.0 2

1.1 INTRODUCTION 2
1.2 SURVEY AND SAMPLING PROCEDURE 3
1.3 SURVEY LIMITS 3

SECTION 2.0 3

2.1 SURVEY RESULTS 3

SECTION 3.0 5

3.1 CONCLUSIONS 5
3.2 RECOMMENDATIONS 6

APPENDICES:

APPENDIX A - TABLE 1: ASBESTOS CONTAINING MATERIALS
APPENDIX B - LABORATORY REPORT
APPENDIX C - FLOOR PLANS
APPENDIX D - INSPECTOR CREDENTIALS

EXECUTIVE SUMMARY

AIR TECH ENVIRONMENTAL SERVICES, INC. ("AIR TECH") was retained to inspect the Former Neillsville Foundry Building located at 1200 E. 15th Street in Neillsville, Wisconsin for a pre-demolition survey for asbestos-containing building materials (ACBM). AIR TECH's scope of services included a site investigation for the presence of suspect ACBM, sample collection and analysis of suspect ACBM and preparation of report.

AIR TECH understands that the site was historically operated as a foundry. The building consists of a concrete block front office area with two stories. The production areas of the building are of all steel construction with a concrete slab floor. The walls and roofing are steel. Wall and roofing insulation is fiberglass batt with a foil vapor barrier. No insulation was identified inside the concrete block walls.

The survey was conducted by David W. Bergeson, DHFS-licensed, asbestos building inspector on April 8, 2005. Suspect asbestos-containing building materials were collected and analyzed by polarized light microscopy (PLM) to determine the presence of asbestos content as defined by the Environmental Protection Agency(EPA) and Wisconsin Department of Natural Resources (WDNR). Refer to Section 2.0 for survey results. The following asbestos-containing building materials were identified at the building located at 1200 E. 15th Street:

Sample No.	Homogeneous Material	DNR Asbestos Category	Asbestos Content (% & Type)
1A	Window caulk (located around metal framed windows on the front office portion of the building)	Cat. I Non-friable	25% Chrysotile
2A	Window glazing (located inside the metal framed windows on the front office portion of the building)	Cat. I Non-friable	15% Chrysotile
3A, 9A	Black flooring mastic(located under vinyl floor tiles in the front office areas on the 1st and 2nd floors)	Cat. I Non-friable	6.3% Chrysotile
4A, 9A	Vinyl floor tiles(assumed to contain asbestos because of their association with the asbestos-containing black flooring mastic)	Cat. I Non-friable	Assumed
----	Black roofing tar (on seams on the metal roof)	Cat. I Non-friable	Assumed
16A	Mudded pipe fitting insulation	Friable	90% Chrysotile

Known or assumed asbestos-containing building materials are identified by location, quantity, friability and condition in Table 1 of Appendix A. Quantities given are approximate. These quantities should be field verified by a qualified asbestos abatement contractor prior to bidding on any renovation and/or demolition project.

Laboratory reports for bulk samples analyzed from the building can be found in Appendix B. The floor plans for the structure can be found in Appendix C.

SECTION 1.0: PROJECT INFORMATION

1.1 INTRODUCTION

The Environmental Protection Agency's (EPA's) "National Emissions Standards for Hazardous Air Pollutants" (NESHAP),(40 CFR Part 61), requires building owners to inspect for the presence of asbestos containing materials (ACM), in areas of the building where demolition activities will take place. In Wisconsin, the Department of Natural Resources (WDNR) enforces the control of asbestos emissions through Chapter 447 "Control of Asbestos Emissions" of the Wisconsin Administrative Code. ACM is defined as any material containing more than 1% asbestos by area as determined by Polarized Light Microscopy (PLM). Materials may always be assumed to be ACM. However, suspect ACM may not be assumed to be non-ACM; it must be properly sampled and analyzed. This survey and report is intended for use in assisting with compliance with EPA's NESHAP regulation and is not intended for AHERA compliance.

Regulated friable ACM (e.g., pipe insulation, duct paper wrap, sprayed on or tiled sound insulation materials, etc.) must be removed from the affected area prior to conducting renovation/demolition activities in a building. Friable ACM have little structural strength and contain asbestos fibers that are readily released upon breaking.

Non-friable Category I ACM (e.g., resilient floor coverings, asphalt products, gaskets, packings, etc.) do not have to be removed prior to a normal demolition if it is in good condition prior to starting the demolition and not rendered friable by handling/transporting /disposal. Category I ACM which is construction and demolition (C&D) material may be disposed at an approved C&D landfill, including an WDNR approved one time disposal landfill, or at any other landfill with a plan of operation approved under chapter 289, Stats. No special operational requirements apply to disposal of Category I ACM. If needed, contact the planned landfill for assistance. Non-friable ACM that is to be sanded, ground, cut or abraded is to be treated as friable. Water should be used to control fugitive dust emission on all demolitions.

Non-friable Category II ACM (e.g., rigid exterior siding, cementation board, etc.) is a case-by-case determination, if the demolition will cause the Category II material to become friable; most Category II ACM will have to be removed prior to demolition. Slate or transite materials normally become friable during a demolition and must be removed prior to the demolition.

All ACM identified in this report should be handled in accordance with all applicable federal, state and local regulatory requirements. All affected individuals should be trained to use this survey report in conjunction with the facility renovation/demolition plan. This will assist in preventing potential exposure to airborne asbestos fibers, or the creation of an emergency abatement or clean-up operation.

The combined goals of sampling and visual assessments are:

1.) To identify accessible ACM at a facility and document the location, quantity, friability and condition of each identified material; and

2.) To consolidate sample data and observations obtained during the site visits into a workable report document.

1.2 SURVEY AND SAMPLING PROCEDURE

The Former Neillsville Foundry Building located at 1200 E. 15th Street in Neillsville, Wisconsin was inspected on April 8, 2005 by Wisconsin certified building inspector David W. Bergeson, AII-03407. Bulk Samples were collected and analyzed by EPA Method 600/R93/116 using Polarized Light Microscopy. Refer to Section 2.0 for Survey Results.

1.3 SURVEY LIMITS

An effort has been made to provide a complete and comprehensive professional evaluation. However, inherent constraints of time, observation and scope of work must be recognized. Observations, findings, results and conclusions are limited accordingly and to those apparent at the time. They are neither to be construed to be all inclusive nor covering every possible aspect. It should not be construed that actions taken as a result of this work will achieve complete compliance with every regulatory standard nor prevent every possible accident or loss. Neither should it be considered that any recommendations noted are the only possible actions to be taken. Management should assess and analyze each thought in relation to its more intimate knowledge of its resources, objective and activities. Decisions should then be made and acted on accordingly.

SECTION 2.0: SURVEY RESULTS

2.1 SURVEY RESULTS

This section discusses survey findings and analytical results for suspect asbestos-containing materials sampled in the Former Neillsville Foundry Building.

The following building materials were found to contain asbestos. The analytical results can be found in Appendix B, Laboratory Report.

Friable Materials that contain more than one percent (1%) asbestos:

FRIABLE MATERIALS IDENTIFICATION
Mudded pipe fitting insulation

Non-friable (Category I) Materials that contain more than one percent (1%) asbestos:

NON-FRIABLE (CATEGORY I) MATERIALS IDENTIFICATION
Window and door caulk (around metal windows)
Window glazing
Black flooring mastic and vinyl floor tiles
Black roofing tar (on seams)*

* - Material is assumed to contain asbestos and was not sampled.

Non-friable (Category II) Materials that contain more than one percent (1%) asbestos:

NON-FRIABLE (CATEGORY II) MATERIALS IDENTIFICATION
None identified

The following materials were sampled and found not to contain asbestos:

NON-ASBESTOS CONTAINING MATERIALS
Sample 6A - White 2'x4' lay-in ceiling tile (located in one of the font offices)
Samples 7A & 7B - Sheetrock (2nd floor office, lab and lab office)
Samples 8A, 8B & 8C - White ceiling texture (2nd floor office, lab and lab office)
Samples 10A & 10B - White batt insulation (used for insulation around parts of some of the machinery and also located in various places around the production areas)
Samples 11A & 11B - Cement-like flooring (poured into the elevated steel flooring structure panels in the production areas)
Samples 12A & 12B - Fiber reinforced cement flooring (areas around the small furnace)
Samples 13A & 13B - Grey cement ½" thick panel (screwed/bolted to the back side of some metal panels and also various places in the production areas)
Sample15 A - yellow flooring mastic
Sample 17A - White plaster (packed around coils on small furnace)
Sample 18A - Tan insulation (Thick paper-like insulation inside small furnace)
Sample 19A - White 1/4" thick cementitious wallboard (4'x8' sheet broken in half by small furnace)
Sample 20A & 20B - Grey and red donut shaped insulation (various places in production areas)
Sample 21A - White insulation panels (1/4" thick insulation panels stacked in the rear room of the production area)
Sample 22A - Orange insulation (old boiler door insulation by small furnace)
Sample 23A - Grey cement-like insulation (top port of the small furnace)
Sample 24A - Beige insulation (appears to be pre-formed pipe insulation found in the large pile of sand castings near the rear of the building)

SECTION 3.0: CONCLUSIONS AND RECOMMENDATIONS

3.1 CONCLUSIONS

The following types of friable materials were determined to contain asbestos. These materials **must** be removed prior to demolition activities.

FRIABLE MATERIALS IDENTIFICATION
Mudded pipe fitting insulation

The following types of non-friable materials (Category II) were determined to contain asbestos and are in a damaged or significantly damaged condition, and/or are likely to become friable during demolition. These material **must** be removed prior to demolition activities.

NON-FRIABLE (CATEGORY II) MATERIALS IDENTIFICATION
None identified

The following types of Category I non-friable materials were determined to contain asbestos and are in a non-damaged condition. According to the EPA's NESHAP regulation, non-friable Category I ACM does not have to be removed prior to a normal demolition if it is in good condition prior to starting the demolition and not rendered friable by handling/transporting/disposal. The resulting wastes can be handled as demolition material; contact the planned landfill for assistance. Any non-friable ACM (Category I or II) that is to be sanded, ground, cut or abraded is to be treated as friable. However, if the building materials are going to be recycled or if the building is scheduled to be burned, **all ACM must be removed**.

NON-FRIABLE (CATEGORY I) MATERIALS IDENTIFICATION
Window and door caulk (around metal windows)
Window glazing
Black flooring mastic and vinyl floor tiles
Black roofing tar (on seams)*

* - Material is assumed to contain asbestos and was not sampled.

3.2 RECOMMENDATIONS

- The owner should make available to and train all applicable personnel in the use of the Asbestos Survey Report. Subcontractors, recyclers and employees working within and around the structure should be made aware of the locations of the ACM and the possibility of concealed suspect ACM that could be found during demolition activities. Any asbestos -containing materials disturbed during demolition should be handled by employees with proper training and certification.

- Friable mudded pipe fitting insulation must be removed prior to demolition.

- Category I - Non-friable floor tile and mastic must be removed prior to demolition if the concrete is going to be recycled. The entry door and the windows which have ACM window caulk should be removed prior to demolition if the concrete block is going to be recycled.

- According to EPA's NESHAP regulation, if the building is to be demolished non-friable Category I ACM does not have to be removed prior to a normal demolition if it is in good condition prior to starting the demolition and not rendered friable by handling/transporting/disposal. The resulting wastes can be handled as demolition material; contact the planned landfill for assistance. Any non-friable ACM (Category I) that is to be sanded, ground, cut or abraded is to be treated as friable. However, if the building materials are going to be recycled or if the building is scheduled to be burned, **all ACM must be removed**.

- If the substrate (such as concrete) on which these non-friable ACM's are installed is intended for recycling, the non-friable ACMs shall be removed prior to the recycling process by a DHFS-licensed asbestos abatement contractor prior to initiating substrate recycling activities.

- If additional suspect ACM is discovered during the course of remodel/demolition activities, cease activity and have an DHFS-licensed Asbestos Inspector sample the additional suspect material.

APPENDIX A: TABLE 1, ASBESTOS CONTAINING MATERIALS INFORMATION

Client Name:	City of Neillsville	Survey Date:	April 8, 2005
Building Name:	Former Neillsville Foundry Building	Project Number:	102404-16
Building Address:	1200 E. 15th Street Neillsville, Wisconsin		

Room Name	Homogeneous Material Description	Quantity	Material Type	Condition	Cost Estimate
Room 1 - Entry	Black flooring mastic and vinyl floor tile	40 ft^2	Cat. I - Non-friable	Good	$ 80.00
Room 2 - Hallway	Black flooring mastic and vinyl floor tile	110 ft^2	Cat. I - Non-friable	Good	$ 220.00
Room 3	Black flooring mastic and vinyl floor tile	250 ft^2	Cat. I - Non-friable	Good	$ 500.00
Room 4	Black flooring mastic and vinyl floor tile	795 ft^2	Cat. I - Non-friable	Good	$ 1,590.00
Room 5	Black flooring mastic and vinyl floor tile	155 ft^2	Cat. I - Non-friable	Good	$ 310.00
Room 6	Black flooring mastic and vinyl floor tile	100 ft^2	Cat. I - Non-friable	Good	$ 200.00
Room 7	Black flooring mastic and vinyl floor tile	100 ft^2	Cat. I - Non-friable	Good	$ 200.00
Room 8	Black flooring mastic and vinyl floor tile	100 ft^2	Cat. I - Non-friable	Good	$ 200.00
Room 9	Black flooring mastic and vinyl floor tile	310 ft^2	Cat. I - Non-friable	Good	$ 620.00
Room 10	Black flooring mastic and vinyl floor tile	90 ft^2	Cat. I - Non-friable	Good	$ 180.00
Room 11	Mudded pipe fitting insulation	3 fittings	Friable	Good	$ 150.00
Stairs to 2nd floor	Mudded pipe fitting insulation	1 fitting	Friable	Damaged	$ 50.00
Room 12 (and surrounding area)	Mudded pipe fitting insulation (at ceiling)	10 fittings	Friable	Good	$ 900.00
Front Offices	Window and door caulk and glazing	1 Door 5 Windows	Cat. I - Non-friable	Good	$ 900.00
				Project over-site of the asbestos contractor	$ 1,485.00
				Estimated total:	**$ 7,585.00**

APPENDIX B
LABORATORY REPORT

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Air Tech Environmental Service
2028 Declaration Drive
Eau Claire, WI 54703

Report Date: 4/15/2005
Project: Neillsville Foundry; 4/8/05
Project No.: 102404-16

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2227713 **Description / Location:** Grey Window Caulk
Client No.: 1A

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
25	Chrysotile	None Detected	None Detected	75

Lab No.: 2227714 **Description / Location:** Off-White Window Caulk
Client No.: 2A

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
15	Chrysotile	None Detected	None Detected	85

Lab No.: 2227715 **Description / Location:** Black Mastic
Client No.: 3A

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 6.3	Chrysotile	None Detected	None Detected	PC 93.7

Lab No.: 2227716 **Description / Location:** Sample Not Analyzed
Client No.: 3B

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix Quantification at <1% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: R. Caran

Approved By:

Date: 4/14/2005

Frank E. Ehrenfeld, III
Laboratory Director

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Air Tech Environmental Service
2028 Declaration Drive
Eau Claire, WI 54703

Report Date: 4/15/2005
Project: Neillsville Foundry; 4/8/05
Project No.: 102404-16

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2227717 **Description / Location:** Sample Not Analyzed
Client No.: 4A

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Lab No.: 2227718 **Description / Location:** Sample Not Analyzed
Client No.: 4B

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Lab No.: 2227719 **Description / Location:** White Ceiling Tile; 2x4 Lay-In
Client No.: 6A

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	100	Cellulose	0

Lab No.: 2227720 **Description / Location:** Off-White Sheetrock
Client No.: 7A

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	1	Cellulose	99

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix. Quantification at <1% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: R. Caran

Date: 4/14/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Air Tech Environmental Service
2028 Declaration Drive
Eau Claire, WI 54703

Report Date: 4/15/2005
Project: Neillsville Foundry; 4/8/05
Project No.: 102404-16

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2227721 **Description / Location:** Off-White Sheetrock
Client No.: 7B

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	1	Cellulose	99

Lab No.: 2227722 **Description / Location:** White Ceiling Texture
Client No.: 8A

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2227723 **Description / Location:** White Ceiling Texture
Client No.: 8B

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2227724 **Description / Location:** White Ceiling Texture
Client No.: 8C

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix. Quantification at <1% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: R. Caran

Date: 4/14/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Air Tech Environmental Service
2028 Declaration Drive
Eau Claire, WI 54703

Report Date: 4/15/2005
Project: Neillsville Foundry; 4/8/05
Project No.: 102404-16

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2227725 **Description / Location:** Black Mastic
Client No.: 9A

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 6.0	Chrysotile	None Detected	None Detected	94

Lab No.: 2227726 **Description / Location:** Sample Not Analyzed
Client No.: 9B

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Lab No.: 2227727 **Description / Location:** White Insulation Batt
Client No.: 10A

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	100	Fibrous Glass	0

Lab No.: 2227728 **Description / Location:** White Insulation Batt
Client No.: 10B

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	100	Fibrous Glass	0

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix. Quantification at <1% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: R. Caran

Date: 4/14/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Air Tech Environmental Service
2028 Declaration Drive
Eau Claire, WI 54703

Report Date: 4/15/2005
Project: Neillsville Foundry; 4/8/05
Project No.: 102404-16

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2227729 **Client No.:** 11A
Description / Location: Off-White Cementitious Floor Panel

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2227730 **Client No.:** 11B
Description / Location: Lt. Tan Cementitious Floor Panel

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2227731 **Client No.:** 12A
Description / Location: Grey Cementitious Poured Floor Around Boiler Area

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	4	Synthetic	96

Lab No.: 2227732 **Client No.:** 12B
Description / Location: Grey Cementitious Poured Floor Around Boiler Area

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	4	Synthetic	96

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix. Quantification at <1% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: R. Caran

Date: 4/14/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Air Tech Environmental Service
2028 Declaration Drive
Eau Claire, WI 54703

Report Date: 4/15/2005
Project: Neillsville Foundry; 4/8/05
Project No.: 102404-16

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2227733 **Client No.:** 13A **Description / Location:** Grey Cementitious Panel

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	15	Wollastonite	75
		10	Cellulose	

Lab No.: 2227734 **Client No.:** 13B **Description / Location:** Grey Cementitious Panel

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	15	Wollastonite	75
		10	Cellulose	

Lab No.: 2227735 **Client No.:** 14A **Description / Location:** Brown Floor Tile; 9"

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC Trace	Chrysotile	3	Cellulose	97

Lab No.: 2227736 **Client No.:** 15A **Description / Location:** Yellow Mastic A/W 9" FT

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix. Quantification at <1% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: R. Caran

Date: 4/14/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Air Tech Environmental Service
2028 Declaration Drive
Eau Claire, WI 54703

Report Date: 4/15/2005
Project: Neillsville Foundry; 4/8/05
Project No.: 102404-16

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2227737 **Description / Location:** White Insulation
Client No.: 16A Mudded Fitting

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
90	Chrysotile	None Detected	None Detected	10

Lab No.: 2227738 **Description / Location:** White Plaster
Client No.: 17A Coil Mud On Small Furnace

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2227739 **Description / Location:** Tan Insulation
Client No.: 18A Inside Small Furnace

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	3	Cellulose	27
		60	Fibrous Glass	
		10	Wollastonite	

Lab No.: 2227740 **Description / Location:** White Wallboard
Client No.: 19A By Small Furnace, ¼" Thick

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	10	Cellulose	70
		10	Fibrous Glass	
		10	Wollastonite	

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

Analysis Method: EPA 600/R-93/116

Comments: (FC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix. Quantification at <1% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: R. Caran

Date: 4/14/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Air Tech Environmental Service
2028 Declaration Drive
Eau Claire, WI 54703

Report Date: 4/15/2005
Project: Neillsville Foundry; 4/8/05
Project No.: 102404-16

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2227741 **Description / Location:** Grey Insulation
Client No.: 20A

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	92	Fibrous Glass	8

Lab No.: 2227742 **Description / Location:** Reddish/Brown Insulation
Client No.: 20B

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	92	Fibrous Glass	8

Lab No.: 2227743 **Description / Location:** White Insulation
Client No.: 21A Panels (Loose)

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	92	Fibrous Glass	8

Lab No.: 2227744 **Description / Location:** Orange Insulation
Client No.: 22A Boiler Door

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix. Quantification at <1% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: R. Caran

Date: 4/14/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Air Tech Environmental Service
2028 Declaration Drive
Eau Claire, WI 54703

Report Date: 4/15/2005
Project: Neillsville Foundry; 4/8/05
Project No.: 102404-16

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2227745 **Description / Location:** Grey Insulation
Client No.: 23A Small Furnace Vent-Top

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2227746 **Description / Location:** Beige Insulation
Client No.: 24A Preformed Pipe, Back Pile

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	80	Fibrous Glass	20

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix. Quantification at <1% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: R. Caran

Date: 4/14/2005

Facility: Wellsville Foundary	Date: 4-8-05
Location 1200 E 15TH St. Wellsville Foundry 54456	
Inspector: David W. Bergeson	DWB
email results to: ates8646@charter.net And dbergy@sbcglobal.net	

AIR TECH ENVIRONMENTAL SERVICES, INC.
2028 DECLARATION DRIVE
EAU CLAIRE, WI 54703
Phone: 715.834.4261 Fax: 715.834.4544

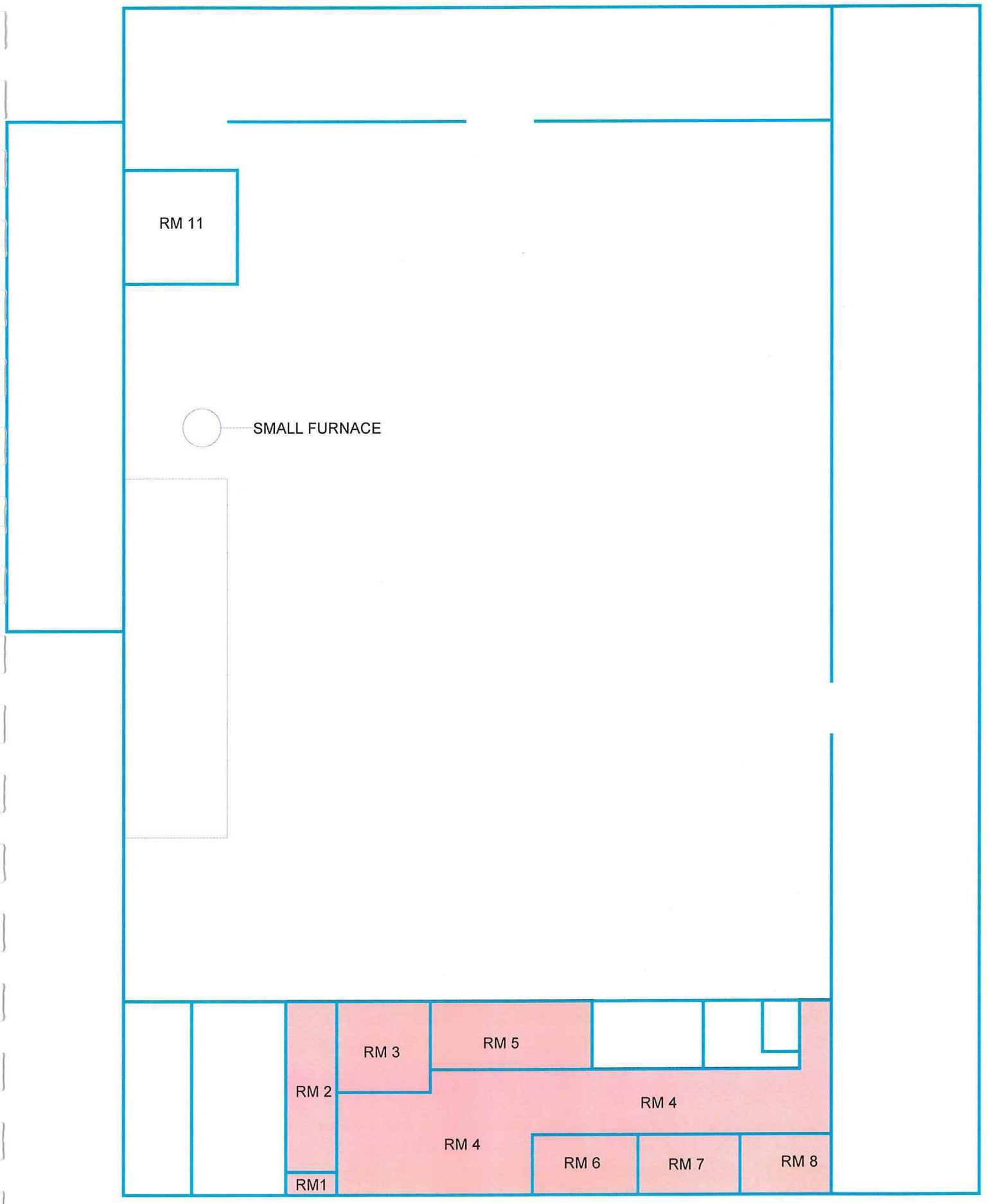
Material #	Samples							Material Description	Note
	A	B	C	D	E	F	G		
1	A	-		2227713				Window Caulk	
2	A			2227714				Window Glaze	
3	A	B		2227715				9" Tan Floor Tile Black mastic 2227716	
4	A	B		2227717				9" Tan Floor Tile 2227718	
5	NOT SENT							Fire Doors (all wood core)	
6	A			2227719				2x4 Lay-In ceiling Tile	
7	A	B		2227720				Sheetrock / Joint Compound composite 2227721	
8	A	B	C	2227722				Ceiling Texture 2227723 2227724	
9	A	B		2227725				12" Vinyl Floor Tile and Black mastic 2227726	
10	A	B		2227727				White Batt Insulation 2227728	
11	A	B		2227729				Floor Panel Concrete 2227730	
12	A	B		2227731				Poured Floor around Boiler Area 2227732	
13	A	B		2227733				Grey Cement Panel 1/2 inch thick 2227734	
14	A			2227735				9" Brown Floor Tile	
15	A			2227736				Orange mastic under 9" Brown Floor Tile	
16	A			2227737				Mudded Fitting Insulation	
17	A			2227738				Coil mud on small furnace	
18	A			2227739				Grey insulation inside small furnace	
19	A			2227740				Cement Board By small furnace 1/4" thick	
20	A	B		2227741				Donut shaped insulation 2227742	
21	A			2227743				White insulation panels (loose)	

Facility: Wellsville Foundary	Date: 4-8-05
Location 1200 E 15th St. Wellsville, WI 54456	
Inspector: David W. Bergeson	DWB
email results to: ates8646@charter.net And dbergy@sbcglobal.net	

AIR TECH ENVIRONMENTAL SERVICES, INC.
2028 DECLARATION DRIVE
EAU CLAIRE, WI 54703
Phone: 715.834.4261 Fax: 715.834.4544

Material #	Samples							Material Description	Note
	A	B	C	D	E	F	G		
22	A'			22	27	74	4	Boiler Door Insulation.	
23	A'			22	27	74	5	Small furnace Vent top cement	
24	A'			22	27	74	6	Preformed Pipe Insulation - Back Pile.	

APPENDIX C
FLOOR PLANS

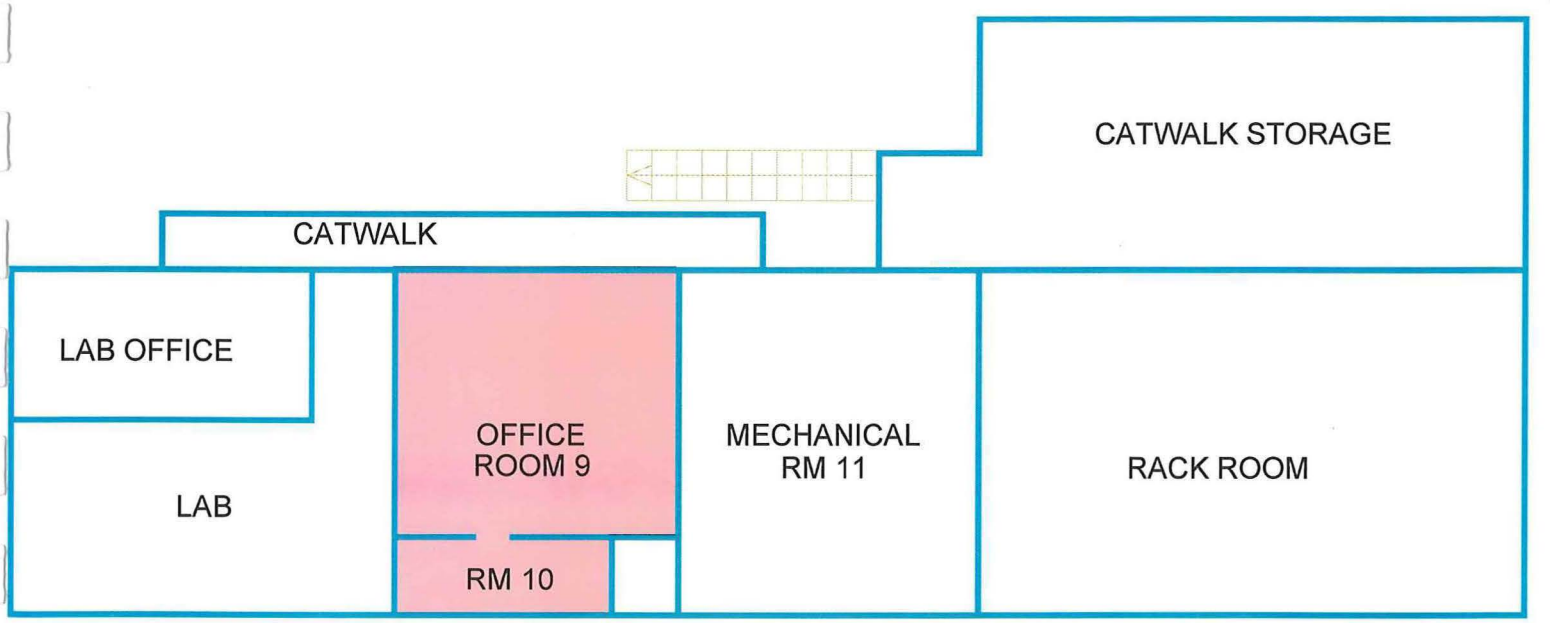


= ASBESTOS FLOOR TILE AND MASTIC

FORMER NEILLSVILLE FOUNDRY BUILDING
1200 E. 15TH STREET
NEILLSVILLE, WI 54456
APRIL 8, 2005

FIRST FLOOR

NOT TO SCALE



FORMER NEILLSVILLE FOUNDRY BUILDING
1200 E. 15TH STREET
NEILLSVILLE, WI 54456
APRIL 8, 2005

= ASBESTOS FLOOR TILE AND MASTIC

NOT TO SCALE

SECOND FLOOR ABOVE FRONT OFFICES

APPENDIX D
INSPECTOR CREDENTIALS

ASBESTOS INSPECTOR
Issued By
STATE OF WISCONSIN
Dept. of Health & Family Services

DAVID WAYNE BERGESON
[redacted]

		175 lbs	6' 00"
AII-3407	08/22/2005	[redacted]	Male

Training due by: 08/22/2005