



August 11, 2008

Mr. Gary Williams
A & E Salvage, Inc.
4901 Enka Highway
Lowland, Tennessee 37778

Subject: Powerhouse And Water Treatment Structures Asbestos Survey Report
Former Liberty Fibers Site; Lowland, Tennessee
A.C.T. Services Proposal No. 08.17.001

Dear Mr. Williams,

A.C.T. Services, LLC. (ACT) has completed the site investigation and analysis of suspect asbestos-containing building materials collected from the Powerhouse and Water Treatment Plant structures within the Former Liberty Fibers site located in Lowland, Tennessee as per your acceptance of our proposal number 08-025 dated May 9, 2008.

The limited survey was performed to determine the presence of asbestos-containing building materials that may be affected by the planned demolition of both structures. The suspect asbestos-containing building materials sampled include thermal pipe insulation, thermal boiler insulation, gasket materials, resilient floor covering, drywall construction, acoustical ceiling tile, roofing membranes, window glazing and various other miscellaneous building materials.

The attached report presents descriptions and results of the material sampling procedures and laboratory analysis methodology. Relevant general project information is also provided, followed by our findings and recommendations. Sample analysis results are provided in the enclosed Appendices. Representative samples of suspect asbestos-containing materials that may be affected by the planned demolition were collected in general accordance with U.S. Environmental Protection Agency (EPA) guidelines.

We appreciate this opportunity to provide environmental consulting services to A&E Salvage, Inc. If you have any questions or require further information, please do not hesitate to call.

Sincerely,

A.C.T. Services, LLC.

A handwritten signature in black ink, appearing to read 'M. Robarts', is written over a horizontal line.

Michael J. Robarts
Executive Vice President
Inspector Management Planner Certification No. 10566



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1.0 EXECUTIVE SUMMARY

The limited survey for asbestos-containing building materials (ACBM's) within the Power House and Water Treatment areas of the Liberty Fibers site located in Lowland, Tennessee, included visual observations, material sampling and laboratory analysis of building materials suspected of containing regulated asbestiform minerals.

The initial fieldwork and sample collection was completed during our weeklong site visit performed between June 30, 2008 through July 3, 2008 by Mr. Michael Robarts (Asbestos Inspector Certification No. 10566). The ACBM investigation was generally destructive by nature. Areas enclosed between concrete and block walls or otherwise structurally inaccessible were not observed or sampled. Limited attempts were made to disassemble equipment or demolish finishes to access suspect ACBM's.

A total of three hundred eighteen (318) suspect asbestos-containing building material samples were obtained during ACT's site visit. The building material samples were collected from various locations within the powerhouse structure, exterior pipe rack system and vessels, water treatment plant, break room and locker room structure, maintenance storage building and supervisor's office structure scheduled for demolition.

The building materials sampled include thermal pipe insulation, thermal boiler insulation, thermal vessel insulation, gasket materials, resilient floor covering, drywall construction, acoustical ceiling tile, roofing membranes, window glazing and various other miscellaneous building materials that may be affected by the demolition activities. The US Environmental Protection Agency (EPA) and Tennessee Department of Environment and Conservation (TDEC) consider asbestos-containing building materials, which are or may become friable during the course of demolition activities, regulated asbestos-containing materials (RACM).

Friable asbestos material means any material containing more than 1 percent asbestos as determined using the method specified in appendix E, subpart E, 40 CFR part 763, section 1, Polarized Light Microscopy, that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. If the asbestos content is less than 10 percent as determined by a method other than point counting by polarized light microscopy (PLM), verify the asbestos content by point counting using PLM.

Regulated asbestos-containing material (RACM) means (a) Friable asbestos material, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by this subpart.

Category I non-friable asbestos-containing material (ACM) means asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than 1 percent asbestos as determined using the method specified in appendix E, subpart E, 40 CFR part 763, section 1, Polarized Light Microscopy. Category II non-friable ACM means any material, excluding Category I non-friable ACM, containing more than 1 percent asbestos as determined using the methods specified in Appendix E, subpart E, 40 CFR part 763, section 1, Polarized Light Microscopy that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

Of the suspect asbestos-containing building materials sampled, various thermal pipe insulation, thermal boiler insulation, thermal vessel insulation, gasket materials, resilient floor covering, drywall construction, roofing membranes, vapor barrier mastic wrap, and various other miscellaneous building materials were found to contain greater than one percent (>1%) regulated asbestiform minerals using polarized light microscopy coupled with dispersion staining (PLM/DS) in accordance with EPA 600/R-93/116 Method. Due to the large number of homogeneous asbestos-containing building materials identified at the facility we have compiled a summary list of these materials and their general locations in Section 3.2 of this report. A complete copy of the laboratory analysis is included in the appendices.

According to Mr. Randle Harrison of TDEC, if the planned demolition is performed, the friable asbestos-containing thermal system pipe insulation, boiler insulation, equipment insulation, vessel insulation, duct insulation, access door gaskets and drywall construction materials must be removed by a qualified asbestos abatement contractor prior to the demolition activity. Category I non-friable acm's such as resilient flooring, asphalt roofing, mastics, gaskets and packings in good condition may remain in place during demolition and are not subject to National Emission Standard for Hazardous Air Pollutants (NESHAP) regulations 40 CFR Part 61 Subpart M National Emission Standard For Asbestos waste disposal requirements. Compaction for waste reduction of Category I and/or Category II non-friable asbestos-containing debris by demolition equipment (e.g. track loaders, excavators, etc.) is considered rendering these materials friable and RACM waste disposal regulations will be required.

It is EPA's interpretation that waste resulting from slicing and other methods that do not cut, grind, sand or abrade Category I non-friable asbestos-containing roofing material is not subject to the NESHAP and can be disposed of as non-asbestos waste. EPA further construes the NESHAP to provide that if Category II roofing material (such as asbestos cement shingles) is removed and disposed of without crumbling, pulverizing, or reducing it to powder, the waste from the removal is not subject to the NESHAP waste disposal requirements. EPA also interprets the NESHAP to be inapplicable to waste resulting from roof removal operations that do not meet or exceed the coverage thresholds described in the regulation. Of course, other State, local, or Federal regulations may apply.

TDEC's interpretation

DEMOLITION PRACTICE regulated debris in good condition and not co-mingled

this is already removed in place

All asbestos abatement work must comply with NEHSAP and Occupational Safety and Health Administration regulations stipulated in the Code of Federal Regulations (CFR) 29 1926.1101 titled "Asbestos". Other regulations may also apply and are cross-referenced in both NESHAP and OSHA standards, which are presented to promote compliance with the cited regulations.

2.0 PROJECT INFORMATION

The Liberty Fibers Site, located in Lowland, Tennessee, has undergone various demolition activities by A&E Salvage in conjunction with a proposing site redevelopment. The Power House area and Water Treatment Plant were scheduled for demolition as part of the redevelopment program. A&E Salvage had performed some asbestos removal and demolition activities on the Power House prior to ACT's initial site visit.

① bldgs
② piles
dependent on location

At the time of ACT's initial site visit, boiler units number 5 thru 9, a portion of the turbine room and most of the compressor room had been demolished. The Water Treatment Plant area remained intact with no asbestos removal or demolition activities performed at that time. Construction material debris fields were observed surrounding the demolished Power House structures. It was our understanding that a stop work order was issued to A&E Salvage by the US EPA Region 4.

The remaining Power House structure contains four (4) Babcock & Wilcox coal fueled steam power boilers and associated air heaters, coal feed bins, coal pulverizers, de-aerator tank, hot well tanks, steam lines, condensate lines, water feed lines and precipitator. The Water Treatment Plant consists of a supervisor's office structure, maintenance storage building, break room and locker room building and water filtration equipment building. Several exterior pipe racks and large hot water tanks were also located within the designated survey area. Photographs and diagrams are included in the appendices for further information.

Upon our initial site visit we observed various homogeneous building materials, including but not limited to, thermal pipe insulation, thermal boiler insulation, thermal vessel insulation, gasket materials, resilient floor covering, drywall construction, acoustical ceiling tile, roofing membranes, window glazing and various other miscellaneous building materials which were suspected to contain regulated asbestiform minerals.

The scope of investigative services addressed in this report are limited to the building materials within the Power House and Water Treatment area scheduled for demolition. The assessment of other potential sources of environmental hazards was not included in this scope of work. A pre-existing asbestos survey report was not available at the time of our site investigation.

3.0 ASBESTOS PROCEDURES AND RESULTS

The services provided in this phase of the work included a visual survey of the designated Power House and Water Treatment area scheduled for demolition, suspect building material sampling and laboratory analysis for asbestiform minerals. The following paragraphs discuss the general procedures employed for each of these tasks.

3.1 Visual Survey

The visual survey for suspected asbestos-containing materials included observation of thermal pipe insulation, thermal boiler insulation, thermal vessel insulation, gasket materials, resilient floor covering, drywall construction, acoustical ceiling tile, roofing membranes, window glazing and various other miscellaneous building materials. The primary purpose of the visual survey was to locate and identify friable and non-friable building materials suspected of containing asbestos which may be disturbed during the planned demolition activities. "Friable materials" are those that can be crumbled, pulverized or reduced to powder by hand pressure, releasing fibers into the air.

The next phase of the survey involved identification of suspect materials associated with the proposed demolition project and sample collection. Suspect materials observed and sampled included thermal pipe insulation, thermal boiler insulation, thermal vessel insulation, gasket materials, resilient floor covering, drywall construction, acoustical ceiling tile, roofing membranes, window glazing and various other miscellaneous building materials.

3.2 Material Sample Analysis and Summary of Results

A total of three hundred eighteen (318) material samples were collected and delivered to our accredited laboratory for visual observation and analysis. The samples were analyzed using Polarized Light Microscopy (PLM) coupled with Dispersion Staining as detailed in the United States Environmental Protection Agency's (EPA) "Method for the Determination of Asbestos in Bulk Building Materials" (EPA-600/R-93/116, July 1993).

A complete list describing the materials sampled, their general location, and their laboratory results is presented in the Appendix. The EPA considers a material to be asbestos containing only if it contains greater than one percent (>1%) asbestos as appropriately determined by PLM, which may include point count analysis. The following is an abbreviated overview of general building materials containing regulated asbestiform minerals within the structures specified for investigation.

General Locations	ACBM Description	Asbestos Type & Content
Power House Turbine Room:		
Turbine Room Ground Floor East Wall at Column HH-112	24" HP Pipe Flange Gasket	50% Chrysotile
Turbine Room Ground Floor NE Corner	10" Silver Pipe Insulation	30% Chrysotile
Turbine Room Ground Floor NE Corner	1" Pipe Insulation	40% Chrysotile
Turbine Room Ground Floor NE Corner	TSI Debris – Sandwich Board	10% Chrysotile
Turbine Room Ground Floor NE Corner	TSI Debris - White	30% Amosite 10% Chrysotile
Turbine Room Ground Floor SW Perimeter Column EE-115	Pipe Mastic Wrap – White	40% Chrysotile
Turbine Room Operating Floor at Lift Well	TSI Debris – White	20% Amosite 10% Chrysotile
Turbine Room Operating Floor Offices & Break Rooms	Various Resilient Floor Tiles	4-8% Chrysotile
Turbine Room Operating Floor Offices & Break Room	Various Floor Tile Adhesives	2% Chrysotile
Turbine Room Operating Floor Exterior Window Units	Window Glazing Putty	<1% Chrysotile
Turbine Room Operating Floor Exterior Window Units	Window Mastic – Black	4-7% Chrysotile
Turbine Room Roof	Built-up Roofing Material Main Field	25% Chrysotile
Turbine Room Roof	Parapet Wall Roof Flashing	20-25% Chrysotile
Power House Pump Room:		
Pump Room Roof	Parapet Wall Roof Flashing	25-35% Chrysotile
Power House Boiler Room:		
Boiler Room Ground Floor East Wall at Return Pump 1	Pipe Insulation – White w/Green Dot	20% Amosite 10% Chrysotile
Boiler Room Ground Floor East Wall at Return Pump 1	Pipe Insulation – Pink w/Green Dot	40% Amosite
Boiler Room Ground Floor East Wall at Return Pump 1	Pipe Fitting Insulation – Pink w/Green Dot	35-40% Amosite 10% Chrysotile

green dot positive

Boiler Room Ground Floor NE Entrance at Stairs	Pipe Insulation – White w/Red Dot	30-40% Amosite 10-50% Chrysotile
Boiler Room Ground Floor NE Entrance at Stairs	Pipe Fitting Insulation – White w/Red Dot	10-40% Amosite 10-30% Chrysotile
Boiler Room Ground Floor Unit 1 Air Heater Duct East Side	Duct Insulation – Top Layer Gray	35% Chrysotile
Boiler Room Ground Floor Unit 1 Air Heater Duct East Side	Duct Insulation – Second Layer White	40% Amosite 10% Chrysotile
Boiler Room Ground Floor Unit 4 East Side Walkway	Black Glassrock Insulation – Black Mastic	35-40% Chrysotile
Boiler Room Ground Floor Unit 1 Air Heater Duct East Side	Duct Insulation – Second Layer White	35-40% Chrysotile
Boiler Room Ground Floor Restrooms North End	Pipe Insulation – White	10-40% Amosite 10-20% Chrysotile
Boiler Room Ground Floor Restrooms North End	Pipe Fitting Insulation – White	20-30% Amosite 10% Chrysotile
Boiler Room Ground Floor Pulverizer Fan Ducts	Duct Insulation – Top Layer	25% Chrysotile
Boiler Room Ground Floor Pulverizer Fan Ducts	Duct Insulation – Second Layer	40% Amosite 10% Chrysotile
Boiler Room Ground Floor Coal Pulverizer Fans	Fan Housing Insulation – Top Layer	30% Amosite 10% Chrysotile
Boiler Room Ground Floor Coal Pulverizer Fans	Fan Housing Insulation – Second Layer	30% Amosite 10-35% Chrysotile
Boiler Room Ground Floor Coal Pulverizer Fan Duct Flanges	Flange Gasket	40-50% Chrysotile
Boiler Room Ground Floor Forced Draft Fan Flanges	Flange Gasket	45% Chrysotile
Boiler Room Ground Floor Ash Hopper Access Doors	Access Door Gasket	45-55% Chrysotile
Boiler Room Ground Boiler Dead Air Space – North and South	Boiler Interior Wall Insulation	30-40% Amosite 10% Chrysotile
Boiler Room Operating Floor Under Metal Jacket	Boiler Interior Wall Insulation	30-45% Amosite 5-10% Chrysotile
Boiler Room Operating Floor Induced Draft Fan Flanges	Flange Gasket	40% Chrysotile
Boiler Room Operating Floor Induced Draft Fan Access Door	Access Door Gasket	40% Chrysotile
Boiler Room Operating Floor Induced Draft Fan	Fan Housing Insulation – Second Layer	10% Chrysotile
Boiler Room Operating Floor Induced Draft Fan Debris	Inside ID Fan Housing – Debris	40% Amosite 10% Chrysotile
Boiler Room Operating Floor Air Heater Access Door	Access Door Gasket	40% Chrysotile

Boiler Room Operating Floor Boiler Access Doors	Access Door Gasket	40% Chrysotile
Boiler Room Operating Floor Mud Drum	Mud Drum Insulation	40% Amosite
Boiler Room Operating Floor Second Level De-Aerator Tank	Tank Insulation – Top Layer	10% Chrysotile
Boiler Room Operating Floor Third Level Steam Drum	Steam Drum Insulation	30-40% Amosite 10-35% Chrysotile
Boiler Room Coal Conveyer Roof	Built-up Roofing Material Main Field	40% Chrysotile
Boiler Room Coal Conveyer Roof	Vapor Barrier Main Field	10% Chrysotile
Boiler Room Roof	Built-up Roofing Material Main Field	10% Chrysotile
Boiler Room Roof	Parapet Wall Roof Flashing	20% Chrysotile
Boiler Room Coal Conveyer Roof	Built-up Roofing Material Main Field	40% Chrysotile
Power House Water Treatment Plant:		
Water Treatment Locker Room Building	Hot Water Fitting Insulation	30-40% Amosite 10% Chrysotile
Water Treatment Locker Room Building	Hot Water Pipe Insulation	30-40% Amosite 10% Chrysotile
Water Treatment Locker Room Building Clock Room	Drywall Joint Compound	3-5% Chrysotile
Water Treatment Locker Room Building Roof	Built-up Roofing Material Main Field	20-25% Chrysotile
Water Treatment Locker Room Building Roof	Parapet Wall Roof Flashing	5-25% Chrysotile
Water Treatment Locker Room Building Roof	Roof Patch Mastic – Gray	5-8% Chrysotile
Water Treatment Building Hot Water Tank	Vessel Insulation Top Layer	10% Chrysotile
Water Treatment Building Hot Water Tank	Vessel Insulation Second Layer	10-30% Chrysotile
Water Treatment Building Hot Water Tank	Vessel Insulation Third Layer	45% Amosite 5% Chrysotile
Water Treatment Building Anthracite Filter Tank	Vessel Insulation Top Layer	30-35% Chrysotile
Water Treatment Building Anthracite Filter Tank	Vessel Insulation Second Layer	30-35% Chrysotile
Water Treatment Building Anthracite Filter Tank	Vessel Insulation Third Layer	45% Amosite 5% Chrysotile
Water Treatment Building Hot Water Pipe System	Thermal Pipe System Insulation w/Red Dot	40-45% Amosite 5% Chrysotile
Water Treatment Building Anthracite Filter Pipe System	Thermal Pipe System Insulation w/Red Dot	40-45% Amosite 5-10% Chrysotile
Water Treatment Building Effluent	Pipe System Insulation	40% Amosite

Pipe System		10% Chrysotile
Water Treatment Building Effluent Pipe System	Pipe Fitting Insulation	40% Amosite 10% Chrysotile
Water Treatment Building Backwash System	Pipe System Insulation	25-35% Chrysotile
Water Treatment Building Backwash System	Pipe Fitting Insulation	40% Amosite 5% Chrysotile
Water Treatment Area Exterior Hot Water Storage Tank	Vessel Insulation Top Layer	35% Chrysotile
Water Treatment Area Exterior Hot Water Storage Tank	Vessel Insulation Second Layer	10% Chrysotile
Water Treatment Area Pipe Rack to Boiler House	24" Steam Pipe System Insulation	45% Amosite 5% Chrysotile
Power House Precipitator Area:		
Precipitator Area Hot Well Tanks to Pipe Racks	12" Steam Pipe Fitting Insulation	5% Amosite 10% Chrysotile
Precipitator Area Hot Well Tanks to Pipe Racks	12" Steam Pipe System Insulation	5% Amosite 10% Chrysotile
Precipitator Area Hot Well Tanks to Pipe Racks	10" Pipe System Insulation	40% Amosite 10% Chrysotile
Precipitator Area Hot Well Tanks to Pipe Racks	8" Pipe System Insulation	20% Chrysotile
Precipitator Area Hot Well Tanks to Pipe Racks	8" Pipe Fitting Insulation	40% Chrysotile
Precipitator Area Hot Well Tanks to Pipe Racks	3" Pipe System Insulation	40% Amosite
Precipitator Area Hot Well Tanks	Hot Well Tank Vessel Vapor Barrier	25% Chrysotile
Precipitator Area Hot Well Tanks	Hot Well Tank Vessel Second Layer	35% Chrysotile
Precipitator Area Condensate Tank	Condensate Tank Vapor Barrier	25-30% Chrysotile
Precipitator Area Condensate Tank	Vessel Vapor Barrier	25-30% Chrysotile

At the request of the A & E Salvage, ACT Services also collected additional samples from two areas of concern. The first area included a locked maintenance or storage room located at the north end of the boiler room ground level, which appeared to have stored suspect asbestos-containing materials piled approximately five (5) feet high. These materials were observed to be dry and not contained in any type of leak-tight impermeable containers.

The second area of concern was located along a surveyors line that appeared to have construction material debris graded to beyond the surveyors line. The line of debris extended from the Power House cross roads located west of the Power House and railroad tracks extending approximately 120 feet in a westerly direction and then turning north approximately 100 feet. The graded area encompassed a large concrete tank of unknown contents.

The results of this survey area as follows:

<i>General Locations</i>	<i>ACBM Description</i>	<i>Asbestos Type & Content</i>
Boiler Room Locked Room Debris:		
Boiler Room Ground Floor North End Locked Room	TSI Debris - Gray	25% Chrysotile
Boiler Room Ground Floor North End Locked Room	TSI Debris - Brown	40% Chrysotile
Debris Field West of Power House and South of Concrete Tank:		
South Surveyors Line – 4' West of Railroad Tracks	TSI Vapor Barrier Debris	8% Chrysotile
South Surveyors Line – 15' West of Railroad Tracks	Black Roof Debris	25% Chrysotile
South Surveyors Line – 75' West of Railroad Tracks	Silver/Black Mastic Debris	2% Chrysotile
South Surveyors Line – 85' West of Railroad Tracks	Silver/Black Mastic Debris	2% Chrysotile
South Surveyors Line – 10' West of Fire Hydrant	Black Roof Debris	10% Chrysotile
South Surveyors Line – 30' West of Fire Hydrant	Fibrous Roll Insulation	10% Chrysotile
West Surveyors Line – 20' North of South Boundary Road Tracks	Fibrous Roll Insulation	10% Chrysotile
West Surveyors Line – 70' North of South Boundary Road Tracks	Fibrous Roll Insulation	30% Chrysotile

3.3 Material Assessment

The EPA's National Emission Standard for Hazardous Air Pollutants (NESHAP) regulations (40 CFR 61 (M)) require that regulated asbestos-containing materials (RACM) be properly removed prior to any demolition or renovation activity, which may disturb them. The EPA NESHAP regulations define RACM as:

- (a) Friable ACM;
- (b) Category I non-friable ACM that has become friable;
- (c) Category I non-friable ACM that will be or has been subject to sanding, grinding, cutting or abrading, or;
- (d) Category II non-friable ACM that has a high probability of becoming, or has become, crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.

Building materials that contain less than one (1) percent asbestos are not currently subject to EPA regulations. However, it should be noted that the disturbance of these materials may be subject to regulations issued by the U.S. Occupational Safety and Health Administration (OSHA).

Such a disturbance may elevate the concentration of airborne fibers above the permissible exposure limit (PEL) of 0.1 fibers per cubic centimeter (f/cc) of air, measured as an eight (8) hour time weighted average (TWA), or the 30-minute short term excursion limit (STEL) of 1.0 f/cc. Recent revisions to the OSHA regulations require that all surfacing materials, thermal system insulation materials, and resilient flooring installed "no later than 1980" be considered as presumed asbestos-containing materials (PACM) and treated accordingly.

Furthermore, OSHA has implemented the final rule for occupational exposure to asbestos to include regular building maintenance operations and custodial activities that may disturb identified or presumed asbestos-containing materials. In order to rebut the designation of installed materials as PACM, OSHA requires the sampling of suspect material be performed in accordance with 40 CFR 763 (E) issued by the EPA under the Asbestos Hazard Emergency Response Act of 1986 (AHERA). The AHERA regulations establish asbestos identification and management requirements for schools, grades K through 12. The recent OSHA revisions also include specific notification and engineering control procedures.

4.0 ASBESTOS EXPOSURE ASSESSMENT AND RECOMMENDATIONS

Asbestos is an airborne hazard. An assessment of potential exposure to harmful asbestos fibers from asbestos-containing materials should evaluate the material's potential to release fibers into the air. Fiber release may occur spontaneously due to the normal aging and subsequent deterioration of the materials. Fiber release may also occur suddenly due to disturbance of the materials by maintenance, renovations, demolition, accidents, excessive vibrations, or water damage. As a part of the survey, a visual assessment was performed in order to ascertain the potential for asbestos fiber release from the identified building materials.

The assessment focused upon specific criteria which include asbestos content (percentage and type); friability; evidence of deterioration, physical damage or water damage; proximity to an air stream; and accessibility. The effects of potential demolition activities were considered separately for each affected material found to contain asbestos. Such an exposure assessment is qualitative in nature. The surveyor, based upon facility characteristics, prior experience, and an understanding of abatement alternatives and known demolition plans evaluates these criteria qualitatively. This method of evaluation is outlined in the EPA's "Guidance for Controlling Asbestos-Containing Materials in Buildings" (EPA 560/5-85-024).

The results of the evaluations are reported in the following relative terms describing the potential for asbestos fiber release.

- Materials that are in good physical condition and exhibit little chance for disturbance are considered to have a "low" potential for fiber release.
- Materials that are in poor condition with some deterioration or damage, or exhibit some risk for disturbance present a "medium" potential for fiber emission.
- Materials that are in generally poor condition and exhibit the affinity for further deterioration, damage, or disturbance are considered to present a "high" potential to generate airborne fibers.
- Materials assessed as an "imminent hazard" are typically damaged, openly exposed, likely to be disturbed and display a very high possibility of releasing fibers into the air.

From the exposure assessments, recommendations for control alternatives are determined and prioritized. Understanding that this survey has been performed for demolition purposes and for the development of asbestos abatement work procedure design, ACT Services has utilized the NESHAP evaluation criteria and OSHA referenced regulations for this assessment.

The following assessments have been determined based on the understanding that this development site will be demolished as planned. However, if construction plans allow for the asbestos-containing materials to remain in place, then we recommend that these materials be included in an asbestos operations and maintenance (O&M) program until such time as they are properly removed. Long range planning should take into consideration the complete removal of all asbestos-containing materials by a qualified asbestos abatement contractor under properly controlled conditions.

4.1 Thermal System Pipe Insulation Material.

The asbestos-containing thermal system pipe insulation material, in place and in good condition, is considered as RACM by NESHAP definition, and must be removed prior to the planned demolition. The friable asbestos-containing thermal system pipe insulation material, in its present condition and location, pose a medium potential for airborne asbestos fiber exposure.

Removal operations, waste packaging and disposal of friable asbestos-containing thermal system insulation must be performed in accordance with NESHAP regulations that include notification, personnel training, no visible emissions and adequately wetting waste materials throughout the process. OSHA regulations consider asbestos-containing thermal system insulation removal for demolition as Class I removal activities and require the use of critical barriers or other isolation method which prevent the migration of airborne asbestos from a designated regulated area.

The removal of friable asbestos-containing thermal system insulation material should be performed by a qualified asbestos abatement contractor under properly controlled conditions in accordance with EPA, TDEC and OSHA removal and disposal regulations.

4.2 Thermal System Boiler Insulation Material.

The asbestos-containing thermal system boiler, mud drum, steam drum and dead air space insulation materials, in place and in good condition, is considered as RACM by NESHAP definition, and must be removed prior to the planned demolition. The friable asbestos-containing thermal system pipe insulation material, in its present condition and location under a metal jacket, pose a low potential for airborne asbestos fiber exposure.

Removal operations, waste packaging and disposal of friable asbestos-containing thermal system insulation must be performed in accordance with NESHAP regulations that include notification, personnel training, no visible emissions and adequately wetting waste materials throughout the process. OSHA regulations consider asbestos-containing thermal system boiler insulation removal for demolition as Class I removal activities and require the use of critical barriers or other isolation method which prevent the migration of airborne asbestos from a designated regulated area.

The removal of friable asbestos-containing thermal system insulation material should be performed by a qualified asbestos abatement contractor under properly controlled conditions in accordance with EPA, TDEC and OSHA removal and disposal regulations.

4.3 Thermal System Equipment & Duct Insulation Material.

The asbestos-containing canvas wrapped thermal system fan housing, air heater, pulverizer and duct insulation materials, in place and in good condition, is considered as RACM by NESHAP definition, and must be removed prior to the planned demolition. The friable asbestos-containing thermal system pipe insulation material, in its present condition and location, pose a medium potential for airborne asbestos fiber exposure.

Removal operations, waste packaging and disposal of friable asbestos-containing thermal system fan housing, air heater duct, pulverizer and duct insulation must be performed in accordance with NESHAP regulations that include notification, personnel training, no visible emissions and adequately wetting waste materials throughout the process. OSHA regulations consider asbestos-containing thermal fan housing, air heater duct, pulverizers and duct system insulation removal for demolition as Class I removal activities and require the use of critical barriers or other isolation method which prevent the migration of airborne asbestos from a designated regulated area.

The removal of friable asbestos-containing thermal system insulation material should be performed by a qualified asbestos abatement contractor under properly controlled conditions in accordance with EPA, TDEC and OSHA removal and disposal regulations.

4.4 Thermal System Vessel Insulation Material.

The asbestos-containing thermal system de-aerator tank, hot well tank, hot water tank, anthracite filter tank and condensate tank insulation materials, in place and in good condition, is considered as RACM by NESHAP definition, and must be removed prior to the planned demolition. The friable asbestos-containing thermal system vessel insulation material, in its present condition and location, pose a medium potential for airborne asbestos fiber exposure.

Removal operations, waste packaging and disposal of friable asbestos-containing thermal system de-aerator tank, hot well tank, hot water tank, anthracite filter tank and condensate tank insulation must be performed in accordance with NESHAP regulations that include notification, personnel training, no visible emissions and adequately wetting waste materials throughout the process. OSHA regulations consider asbestos-containing thermal de-aerator tank, hot well tank, hot water tank, anthracite filter tank and condensate tank insulation removal for demolition as Class I removal activities and require the use of critical barriers or other isolation method which prevent the migration of airborne asbestos from a designated regulated area.

The removal of friable asbestos-containing thermal system insulation material should be performed by a qualified asbestos abatement contractor under properly controlled conditions in accordance with EPA, TDEC and OSHA removal and disposal regulations.

4.5 Roofing Material.

The non-friable asbestos-containing roofing material, in place and in good condition, is considered a Category I non-friable ACM by NESHAP definition, and may remain in place during the planned demolition. The non-friable asbestos-containing roofing material, in its present condition and location, pose a low potential for airborne asbestos fiber exposure.

TDEC's interpretation of waste resulting from slicing and other methods that do not cut, grind, sand or abrade Category I non-friable asbestos-containing roofing material is not subject to the NESHAP rule and can be disposed of as non-asbestos waste. OSHA regulations consider asbestos-containing roofing material removal for demolition as Class II removal activities and

shall be removed in an intact state with wet removal methods to the extent feasible that prevent the migration of airborne asbestos from a designated regulated area.

The removal of non-friable asbestos-containing roofing material should be performed by a qualified asbestos abatement contractor under properly controlled conditions in accordance with EPA, TDEC and OSHA removal and disposal regulations.

4.6 Mechanical Gasket Material.

Several types of asbestos-containing mechanical gasket materials were identified during the survey. The gasket materials include non-friable preformed flange gasket material used to seal pipe and equipment flanges and also friable boiler equipment access panel woven gasket material used to seal inspection panels after maintenance and repair activities.

The non-friable asbestos-containing flange gasket material, in place and in good condition, is considered a Category I non-friable ACM by NESHAP definition, and may remain in place during the planned demolition. The non-friable Category I asbestos-containing flange gasket material, in its present condition and location, pose a low potential for airborne asbestos fiber exposure.

The friable asbestos-containing boiler equipment access panel woven gasket material, in place and in good condition, is considered as RACM by NESHAP definition, and must be removed prior to the planned demolition. The friable asbestos-containing boiler equipment access panel woven gasket material, in its present condition and location, pose a medium potential for airborne asbestos fiber exposure.

Removal operations, waste packaging and disposal of friable asbestos-containing boiler equipment access panel woven gasket material must be performed in accordance with NESHAP regulations that include notification, personnel training, no visible emissions and adequately wetting waste materials throughout the process. OSHA regulations consider asbestos-containing boiler equipment access panel woven gasket removal for demolition as Class II removal activities and shall be removed in an intact state with wet removal methods to the extent feasible that prevent the migration of airborne asbestos from a designated regulated area.

The removal of friable and non-friable asbestos-containing mechanical gasket material should be performed by a qualified asbestos abatement contractor under properly controlled conditions in accordance with EPA, TDEC and OSHA removal and disposal regulations.

4.7 Drywall Joint Compound Material.

The non-friable asbestos-containing drywall joint compound material, in place and in good condition, should be considered a RACM (ACM that will become delaminated and friable during demolition) and must be removed prior to the planned demolition operation. The non-friable asbestos-containing drywall joint compound material, in its present condition and location, pose a low potential for airborne asbestos fiber exposure.

Furthermore, OSHA does not accept composite material sampling of drywall construction. If the drywall joint compound material is found to contain greater than one percent (>1%) this material must be handled in accordance with OSHA 29 CFR 1926.1101 regulations. These regulations stipulate engineering controls and personnel protective equipment needed to reduce employee exposure.

*are they
going to
abate
and remove
gaskets*

The removal of non-friable asbestos-containing drywall joint compound material should be performed by a qualified asbestos abatement contractor under properly controlled conditions in accordance with EPA, TDEC and OSHA removal and disposal regulations.

4.8 Resilient Floor Tile Material.

The non-friable asbestos-containing resilient floor tile material, in place and in good condition, is considered a Category I non-regulated ACM by NESHAP definition, and may remain in place during the planned demolition. The non-friable asbestos-containing resilient floor covering material, in its present condition and location, pose a low potential for airborne asbestos fiber exposure.

TDEC's interpretation of waste resulting from normal demolition practices and other methods that do not cut, grind, sand or abrade Category I non-friable asbestos-containing resilient floor tile material is not subject to the NESHAP rule and can be disposed of as non-asbestos waste material. OSHA regulations consider asbestos-containing floor tile material removal for demolition as Class II removal activities and shall be removed in an intact state with wet removal methods to the extent feasible that prevent the migration of airborne asbestos from a designated regulated area.

The removal of non-friable asbestos-containing floor tile material should be performed by a qualified asbestos abatement contractor under properly controlled conditions in accordance with EPA, TDEC and OSHA removal and disposal regulations.

4.9 Miscellaneous Mastic Material.

Various types of miscellaneous non-friable asbestos-containing mastic applications were observed during the survey. These applications include weather seals on windows, vapor barriers, roofing mastic, pipe wraps and adhesives. Non-friable mastics applied to friable asbestos-containing substrates such as thermal system insulation has been considered as homogeneous to the friable substrate material.

The non-friable asbestos-containing mastic material, in place and in good condition, is considered a Category I non-regulated ACM by NESHAP definition, and may remain in place during the planned demolition if the mastic is not applied to friable asbestos-containing substrates. The non-friable Category I asbestos-containing mastic material, in its present condition and location, pose a low potential for airborne asbestos fiber exposure.

The removal of non-friable asbestos-containing mastic material should be performed by a qualified asbestos abatement contractor under properly controlled conditions in accordance with EPA, TDEC and OSHA removal and disposal regulations.

4.10 Miscellaneous Debris Material.

Various miscellaneous debris materials were observed in both friable and non-friable forms during our investigation of the designated area. Previous demolition and salvage activities have dispersed building materials such as, brick, concrete, roofing, mastic, adhesives, and in some locations thermal system insulation. Upon further investigation of these materials, the non-friable roofing, mastic and adhesive debris were homogeneous to the roofing, mastic and adhesives from the Power House structure. The thermal system insulation was identified as homogeneous to the Boiler Room thermal system insulation.

Debris fields containing dispersed quantities of known and/or presumed friable asbestos-containing thermal system insulation debris, in place and in poor condition, would be considered as RACM by NESHAP definition. The known and/or presumed friable asbestos-containing thermal system insulation debris, in its present condition and location, pose a high potential for airborne asbestos fiber exposure.

Removal of the known and/or presumed friable asbestos-containing thermal system insulation debris from the boiler room perimeter debris fields must be performed in accordance with the removal operations, waste packaging and disposal of friable asbestos-containing stipulated by NESHAP regulations that include notification, personnel training, no visible emissions and adequately wetting waste materials throughout the process. OSHA regulations consider known and/or presumed friable asbestos-containing thermal system insulation debris removal as Class I removal activities and require the use of engineering controls and other isolation methods that prevent the migration of airborne asbestos from a designated regulated area.

The non-friable asbestos-containing roofing, mastic and adhesive material, in place and in good condition, is considered a Category I non-friable ACM by NESHAP definition, and may remain in place during the planned debris field clean-up operations. The non-friable asbestos-containing debris material, in its present condition and location, pose a low potential for airborne asbestos fiber exposure.

TDEC's interpretation of waste resulting from slicing and other methods that do not cut, grind, sand or abrade Category I non-friable asbestos-containing material is not subject to the NESHAP rule and can be disposed of as non-asbestos waste. OSHA regulations consider asbestos-containing roofing, mastic and adhesive material clean-up operations as Class II removal activities and shall be removed in an intact state with wet removal methods to the extent feasible that prevent the migration of airborne asbestos from a designated regulated area.

The removal of friable asbestos-containing miscellaneous debris material should be performed by a qualified asbestos abatement contractor under properly controlled conditions in accordance with ADEM and OSHA removal and disposal regulations.

5.0 QUALIFICATIONS OF REPORT

A.C.T. Services, LLC., has endeavored to investigate the existing conditions of the Power House and Water Treatment Plant at the Former Liberty Fibers site located in Lowland, Tennessee using generally accepted procedures. Regardless of the thoroughness of our survey, it is possible that some areas concealing asbestos-containing building materials were overlooked or inaccessible.

This report presents general descriptions of various construction materials and the general locations where these materials were encountered. Determination of specific or exact quantities and locations of all hazardous materials within the site was beyond the scope of this work. If questions arise during the planning for demolition or other construction, ACT should be notified to allow our staff the opportunity to review the situation and present recommendations.

*** End of Section ***

APPENDIX A

ASBESTOS-CONTAINING MATERIAL SUMMARY REPORT

Sample Number	Building Location	Sample Location	Sample Description	Asbestos % and Type	NESHAP Designation	Friable (Yes or No)	Estimated Quantity
TG-01	Turbine Room - Ground Level	24" Pipe Flange - Column HH112	Flange Gasket	50% Chrysotile	CAT 1	No	2 ea.
TG-02	Turbine Room - Ground Level	10" Silver Pipe - NW Corner	Rolled Board Pipe Insulation	30% Chrysotile	RACM	Yes	25 in.ft.
TG-03	Turbine Room - Ground Level	1" White Pipe - NE Corner	Pipe Fitting Insulation	40% Chrysotile	RACM	Yes	10 in.ft.
TG-06	Turbine Room - Ground Level	TSI Debris - NE Corner	Rolled Board Pipe Insulation	10% Chrysotile	RACM	Yes	5 sq.ft.
TG-07	Turbine Room - Ground Level	TSI Debris - NE Corner	Fibrous - White	30% Amosite 10% Chrysotile	RACM	Yes	5 sq.ft.
TG-08	Turbine Room - Ground Level	1" Pipe - Southwest Corner	White Pipe Jacket Mastic	40% Chrysotile	CAT 1	No	35 in.ft.
TG-09	Turbine Room - Ground Level	1" Pipe - Southwest Corner	White Pipe Jacket Mastic	40% Chrysotile	CAT 1	No	35 in.ft.
T1-13	Turbine Room - Operating Floor	Office SE Turbine #3	Floor Tile - Light Green w/Tan	8% Chrysotile	CAT 1	No	200 sq.ft.
T1-18	Turbine Room - Operating Floor	South Wall - West	Window Putty - Grey	<1% Chrysotile	N/A	N/A	N/A
T1-19	Turbine Room - Operating Floor	South Wall - East	Window Putty - Grey	<1% Chrysotile	N/A	N/A	N/A
T1-20	Turbine Room - Operating Floor	South Wall - East	Brick Window - Black	4% Chrysotile	CAT 1	No	750 sq.ft.
T1-21	Turbine Room - Operating Floor	South Wall - West	Brick Window - Black	7% Chrysotile	CAT 1	No	750 sq.ft.
R-01	Roof Areas - Turbine Room	Main Field - North	Built-Up Roofing	10% Chrysotile	CAT 1	No	6,000 sq.ft.
R-04	Roof Areas - Turbine Room	Parapet Wall - North	Parapet Flashing	20% Chrysotile	CAT 1	No	870 sq.ft.
R-05	Roof Areas - Turbine Room	Main Field - South	Built-Up Roofing	25% Chrysotile	CAT 1	No	6,000 sq.ft.
R-08	Roof Areas - Turbine Room	Parapet Flashing - Southwest	Parapet Flashing	25% Chrysotile	CAT 1	No	870 sq.ft.
R-09	Roof Areas - Pump Room	Main Field - Center	Built-Up Roofing	26% Chrysotile	CAT 1	No	1,600 sq.ft.
R-12	Roof Areas - Pump Room	Parapet Flashing - North	Parapet Flashing	25% Chrysotile	CAT 1	No	360 sq.ft.
R-13	Roof Areas - Pump Room	Turbine Wall Flashing - East	Turbine Wall Flashing	35% Chrysotile	CAT 1	No	360 sq.ft.
R-14	Roof Areas - Coal Conveyor	Main Field - Center	Built-Up Roofing	40% Chrysotile	CAT 1	No	3,000 sq.ft.
R-16	Roof Areas - Coal Conveyor	Main Field - Center	Vapor Barrier	10% Chrysotile	CAT 1	No	3,000 sq.ft.
R-19	Roof Areas - Boiler Room	Main Field - North	Built-Up Roofing	10% Chrysotile	CAT 1	No	11,000 sq.ft.
R-20	Roof Areas - Boiler Room	Main Field - South	Built-Up Roofing	10% Chrysotile	CAT 1	No	11,000 sq.ft.
R-21	Roof Areas - Boiler Room	Parapet Flashing - East Wall	Parapet Flashing	20% Chrysotile	CAT 1	No	1,410 sq.ft.

Sample Number	Building Location	Sample Location	Sample Description	Asbestos % and Type	NESHAP Designation	Friable (Yes or No)	Estimated Quantity
BG-01	Boiler Room - Ground Level	Condensate Return - Pump #1	White Pipe Insulation (green dot)	20% Amosite 10% Chrysotile	RACM	Yes	65 in.ft.
BG-02	Boiler Room - Ground Level	Condensate Return - Pump #1	Pink Pipe Insulation (green dot)	40% Amosite	RACM	Yes	60 in.ft.
BG-03	Boiler Room - Ground Level	Condensate Return - Pump #1	White Pipe Insulation (green dot)	40% Amosite	RACM	Yes	65 in.ft.
BG-04	Boiler Room - Ground Level	Condensate Return - Pump #1	Pink Pipe Insulation (green dot)	40% Amosite	RACM	Yes	60 in.ft.
BG-05	Boiler Room - Ground Level	Condensate Return - Pump #2	Pink Fitting Insulation (green dot)	40% Amosite	RACM	Yes	12 ea.
BG-06	Boiler Room - Ground Level	Condensate Return - Pump #1	White Pipe Fitting Ins. (green dot)	35% Amosite 10% Chrysotile	RACM	Yes	15 ea.
BG-12	Boiler Room - Ground Level	Pump Manifold - NE Stairs	White Fitting Insulation	40% Amosite 10% Chrysotile	RACM	Yes	10 ea.
BG-13	Boiler Room - Ground Level	Pump Manifold - NE Stairs	White Pipe Insulation	40% Amosite 10% Chrysotile	RACM	Yes	18 in.ft.
BG-14	Boiler Room - Ground Level	Pump Manifold - NE Stairs	White Fitting Insulation	40% Amosite 10% Chrysotile	RACM	Yes	10 ea.
BG-15	Boiler Room - Ground Level	8" Pipe #1 - East Wall/NE Stairs	White Pipe Insulation	40% Amosite 10% Chrysotile	RACM	Yes	120 in.ft.
BG-16	Boiler Room - Ground Level	8" Pipe #1 - East Wall/NE Stairs	White Fitting Insulation	50% Chrysotile	RACM	Yes	15 ea.
BG-17	Boiler Room - Ground Level	6" Pipe #2 - East Wall/NE Stairs	White Fitting Insulation	50% Chrysotile	RACM	Yes	10 ea.
BG-18	Boiler Room - Ground Level	6" Pipe #2 - East Wall/NE Stairs	White Pipe Insulation	40% Amosite 10% Chrysotile	RACM	Yes	80 in.ft.
BG-19	Boiler Room - Ground Level	12" Pipe #3 - East Wall/NE Stairs	White Fitting Insulation	50% Chrysotile	RACM	Yes	16 ea.
BG-20	Boiler Room - Ground Level	12" Pipe #3 - East Wall/NE Stairs	White Pipe Insulation	40% Amosite 10% Chrysotile	RACM	Yes	85 in.ft.
BG-21	Boiler Room - Ground Level	12" Pipe #4 - East Wall/NE Stairs	White Pipe Insulation	40% Amosite 10% Chrysotile	RACM	Yes	18 ea.
BG-22	Boiler Room - Ground Level	12" Pipe #4 - East Wall/NE Stairs	White Fitting Insulation	30% Amosite 5% Chrysotile	RACM	Yes	85 in.ft.
BG-23	Boiler Room - Ground Level	1" Pipe #5 - East Wall/NE Stairs	Pink Pipe Insulation	40% Amosite 10% Chrysotile	RACM	Yes	45 in.ft.
BG-24	Boiler Room - Ground Level	1" Pipe #6 - East Wall/NE Stairs	Pink Pipe Insulation	40% Amosite 10% Chrysotile	RACM	Yes	55 in.ft.
BG-25	Boiler Room - Ground Level	8" Pipe #7 - East Wall/NE Stairs	White Pipe Insulation	40% Amosite 10% Chrysotile	RACM	Yes	55 in.ft.
BG-26	Boiler Room - Ground Level	8" Pipe #7 - East Wall/NE Stairs	White Fitting Insulation	10% Amosite 30% Chrysotile	RACM	Yes	12 ea.
BG-27	Boiler Room - Ground Level	8" Pipe #8 - East Wall/NE Stairs	White Fitting Insulation	40% Amosite 10% Chrysotile	RACM	Yes	15 ea.
BG-28	Boiler Room - Ground Level	8" Pipe #8 - East Wall/NE Stairs	White Pipe Insulation	40% Amosite 10% Chrysotile	RACM	Yes	65 in.ft.
BG-29	Boiler Room - Ground Level	Air Heater Duct #1 - NE Stairs	White - Second Layer	40% Amosite 10% Chrysotile	RACM	Yes	120 sq.ft.

Sample Number	Building Location	Sample Location	Sample Description	Asbestos % and Type	NESHAP Designation	Friable (Yes or No)	Estimated Quantity
BG-30	Boiler Room - Ground Level	Air Heater Duct #1 - NE Stairs	Gray - Top Layer	35% Chrysotile	RACM	Yes	120 sq.ft.
BG-31	Boiler Room - Ground Level	Air Heater Duct #2 - NE Stairs	White - Second Layer	40% Amosite 10% Chrysotile	RACM	Yes	400 sq.ft.
BG-32	Boiler Room - Ground Level	Air Heater Duct #2 - NE Stairs	Gray - Top Layer	40% Chrysotile	RACM	Yes	400 sq.ft.
BG-33	Boiler Room - Ground Level	Boiler #4 - South End East Side	Glass Rock Ins. - Black Mastic	35% Chrysotile	CAT 1	No	160 in.ft.
BG-34	Boiler Room - Ground Level	Boiler #4 - South End East Side	Glass Rock Ins. - Black Mastic	40% Chrysotile	CAT 1	No	160 in.ft.
BG-35	Boiler Room - Ground Level	8" Pipe #3 - North Wall Restroom	White Pipe Insulation	40% Amosite	RACM	Yes	65 in.ft.
BG-36	Boiler Room - Ground Level	8" Pipe #2 - North Wall Restroom	White Pipe Insulation	40% Amosite 10% Chrysotile	RACM	Yes	60 in.ft.
BG-37	Boiler Room - Ground Level	8" Pipe #3 - North Wall Restroom	White Fitting Insulation	20% Amosite 20% Chrysotile	RACM	Yes	5 ea.
BG-38	Boiler Room - Ground Level	8" Pipe #2 - North Wall Restroom	White Fitting Insulation	30% Amosite 10% Chrysotile	RACM	Yes	6 ea.
BG-39	Boiler Room - Ground Level	1" Pipe #1 - North Wall Restroom	White Pipe Insulation	10% Amosite 10% Chrysotile	RACM	Yes	60 in.ft.
BG-40	Boiler Room - Ground Level	8" Pipe #4 - West Wall Restroom	White Pipe Insulation	20% Amosite 10% Chrysotile	RACM	Yes	25 in.ft.
BG-41	Boiler Room - Ground Level	8" Pipe #4 - West Wall Restroom	White Fitting Insulation	30% Amosite 10% Chrysotile	RACM	Yes	4 ea.
BG-42	Boiler Room - Ground Level	Pulverizer Fan Duct #1	Top Layer	25% Chrysotile	RACM	Yes	350 sq.ft.
BG-43	Boiler Room - Ground Level	Pulverizer Fan Duct #1	Bottom Layer	40% Amosite 10% Chrysotile	RACM	Yes	380 sq.ft.
BG-44	Boiler Room - Ground Level	Pulverizer #2 Fan Housing	Housing Insulation Top Layer	30% Amosite 10% Chrysotile	RACM	Yes	190 sq.ft.
BG-45	Boiler Room - Ground Level	Pulverizer #2 Fan Housing	Housing Insulation Bottom Layer	30% Amosite 10% Chrysotile	RACM	Yes	190 sq.ft.
BG-46	Boiler Room - Ground Level	Pulverizer #3 Fan Flange	Flange Gasket	40% Chrysotile	CAT 1	No	2 ea.
BG-47	Boiler Room - Ground Level	Pulverizer #4 Fan Flange	Flange Gasket	40% Chrysotile	CAT 1	No	2 ea.
BG-49	Boiler Room - Ground Level	Forced Draft Fan #1 Flange	Flange Gasket	45% Chrysotile	CAT 1	No	4 ea.
BG-50	Boiler Room - Ground Level	Ash Hopper #1 Access Door	Door Gasket	55% Chrysotile	RACM	Yes	8 ea.
BG-51	Boiler Room - Ground Level	Ash Hopper #2 Access Door	Door Gasket	45% Chrysotile	RACM	Yes	8 ea.
BG-55	Boiler Room - Ground Level	Ash Hopper #3 Access Door	Door Gasket	45% Chrysotile	RACM	Yes	8 ea.
BG-57	Boiler Room - Ground Level	Pulverizer #6 Fan Housing Flange	Flange Gasket	35% Chrysotile	CAT 1	No	4 ea.
BG-59	Boiler Room - Ground Level	Pulverizer #6 Fan Duct Flange	Flange Gasket	40% Chrysotile	CAT 1	No	2 ea.

Sample Number	Building Location	Sample Location	Sample Description	Asbestos % and Type	NESHAP Designation	Friable (Yes or No)	Estimated Quantity
BG-60	Boiler Room - Ground Level	Pulverizer #4 Fan Duct Flange	Flange Gasket	50% Chrysotile	CAT 1	No	2 ea.
BG-65	Boiler Room - Ground Level	Boiler #3 Dead Airspace North	Interior Boiler Insulation	30% Amosite 10% Chrysotile	RACM	Yes	300 sq.ft.
BG-66	Boiler Room - Ground Level	Boiler #3 Dead Airspace North	Interior Boiler Insulation	35% Amosite	RACM	Yes	300 sq.ft.
BG-67	Boiler Room - Ground Level	Boiler #3 Dead Airspace South	Interior Boiler Insulation	40% Amosite 10% Chrysotile	RACM	Yes	300 sq.ft.
BG-68	Boiler Room - Ground Level	Boiler #1 Dead Airspace North	Interior Boiler Insulation	40% Amosite 10% Chrysotile	RACM	Yes	300 sq.ft.
B1-01	Boiler Room - Operating Floor	Boiler #1 East Side	Boiler Jacket Insulation Under Metal	30% Amosite 10% Chrysotile	RACM	Yes	875 sq.ft.
B1-02	Boiler Room - Operating Floor	Boiler #1 West Side	Boiler Jacket Insulation Under Metal	40% Amosite	RACM	Yes	875 sq.ft.
B1-03	Boiler Room - Operating Floor	Mud Drum Boiler #1	Mud Drum Insulation	40% Amosite 10% Chrysotile	RACM	Yes	125 sq.ft.
B1-04	Boiler Room - Operating Floor	Boiler #1 North Side	Boiler Jacket Insulation Under Metal	40% Amosite 10% Chrysotile	RACM	Yes	875 sq.ft.
B1-05	Boiler Room - Operating Floor	Induced Draft Fan #1 Access Door	Door Gasket	40% Chrysotile	RACM	Yes	4 ea.
B1-06	Boiler Room - Operating Floor	Air Heater #1 Access Door	Door Gasket	40% Chrysotile	RACM	Yes	8 ea.
B1-14	Boiler Room - Operating Floor	Induced Draft Fan #2 South	Fan Housing Insulation Bottom Layer	10% Chrysotile	RACM	Yes	250 sq.ft.
B1-15	Boiler Room - Operating Floor	Induced Draft Fan #2	Debris - Blue/White	40% Amosite 10% Chrysotile	RACM	Yes	55 sq.ft.
B1-18	Boiler Room - Operating Floor	Boiler #2 Mud Drum	Mud Drum Insulation	45% Amosite 5% Chrysotile	RACM	Yes	125 sq.ft.
B1-19	Boiler Room - Operating Floor	Boiler #2 East Side	Boiler Jacket Insulation Under Metal	45% Amosite 5% Chrysotile	RACM	Yes	875 sq.ft.
B1-22	Boiler Room - Operating Floor	Boiler #2 Superheat Access Door	Door Gasket	40% Chrysotile	RACM	Yes	10 ea.
B1-27	Boiler Room - Operating Floor	Boiler #3 Mud Drum	Boiler #3 Steam Drum Ins.	40% Amosite	RACM	Yes	125 sq.ft.
B1-30	Boiler Room - Operating Floor	Boiler #3 Superheat	Boiler Jacket Insulation Under Metal	5% Amosite 30% Chrysotile	RACM	Yes	875 sq.ft.
B1-31	Boiler Room - Operating Floor	Boiler #3 Superheat	Boiler Jacket Insulation Under Metal	10% Amosite 30% Chrysotile	RACM	Yes	875 sq.ft.
BW-01	Boiler Room - Operating Floor	North Wall at Operating Level Stairs	Window Putty	<1% Chrysotile	N/A	N/A	N/A
BW-02	Boiler Room - Operating Floor	East Wall at Stairs above Exit Sign	Window Putty	<1% Chrysotile	N/A	N/A	N/A
BW-03	Boiler Room - Operating Floor	Northwest Wall Boiler Feed Pump	Window Putty	<1% Chrysotile	N/A	N/A	N/A
B2-01	Boiler Room - Second Level	De-Aerator Tank Center	Vessel Insulation	10% Chrysotile	RACM	Yes	740 sq.ft.
B2-03	Boiler Room - Second Level	De-Aerator Tank End	Vessel Insulation	10% Chrysotile	RACM	Yes	240 sq.ft.

Sample Number	Building Location	Sample Location	Sample Description	Asbestos % and Type	NESHAP Designation	Friable (Yes or No)	Estimated Quantity
B3-05	Boiler Room - Third Level	De-Aerator Tank Inlet	Inlet Insulation Patch	7% Chrysotile	RACM	Yes	12 sq.ft.
B3-06	Boiler Room - Third Level	De-Aerator Tank Upper Vessel	Vessel Insulation	10% Chrysotile	RACM	Yes	375 sq.ft.
B3-08	Boiler Room - Third Level	Boiler #1 Steam Drum	Steam Drum Insulation	40% Amosite 10% Chrysotile	RACM	Yes	125 sq.ft.
B3-09	Boiler Room - Third Level	Boiler #2 Steam Drum	Steam Drum Insulation	30% Amosite 10% Chrysotile	RACM	Yes	125 sq.ft.
B3-11	Boiler Room - Third Level	Boiler #3 Steam Drum	Steam Drum Insulation	35% Chrysotile	RACM	Yes	125 sq.ft.
WT-09	Utility Water Treatment	Locker Building - Clock Room	Hot Water Pipe Fitting Insulation	30% Amosite 10% Chrysotile	RACM	Yes	10 ea.
WT-10	Utility Water Treatment	Locker Building - Clock Room	Hot Water Pipe Fitting Insulation	30% Amosite 10% Chrysotile	RACM	Yes	10 ea.
WT-11	Utility Water Treatment	Locker Building - Clock Room	Hot Water Pipe Insulation	30% Amosite 10% Chrysotile	RACM	Yes	65 in.ft.
WT-12	Utility Water Treatment	Locker Building - Clock Room	Hot Water Pipe Insulation	30% Amosite 10% Chrysotile	RACM	Yes	65 in.ft.
WT-13	Utility Water Treatment	Locker Building - Locker Room	Hot Water Pipe Insulation	40% Chrysotile	RACM	Yes	120 in.ft.
WT-14	Utility Water Treatment	Locker Building - Locker Room	Hot Water Pipe Fitting Insulation	40% Chrysotile	RACM	Yes	25 ea.
WT-17	Utility Water Treatment	Locker Building - Clock Room	Drywall Joint Compound	5% Chrysotile	RACM	Yes	1,400 sq.ft.
WT-18	Utility Water Treatment	Locker Building - Clock Room	Drywall Joint Compound	3% Chrysotile	RACM	Yes	1,400 sq.ft.
WT-23	Utility Water Treatment	Locker Building Roof - North	Built-Up Roofing	20% Chrysotile	CAT 1	No	2,200 sq.ft.
WT-24	Utility Water Treatment	Locker Building Roof - South	Built-Up Roofing	25% Chrysotile	CAT 1	No	2,200 sq.ft.
WT-25	Utility Water Treatment	Locker Building Roof - West	Parapet Flashing	25% Chrysotile	CAT 1	No	540 sq.ft.
WT-26	Utility Water Treatment	Locker Building Roof - East	Parapet Flashing	5% Chrysotile	CAT 1	No	540 sq.ft.
WT-27	Utility Water Treatment	Locker Building Roof	Grey Roof Mastic at Drain	8% Chrysotile	CAT 1	No	25 sq.ft.
WT-28	Utility Water Treatment	Locker Building Roof	Grey Roof Mastic at HVAC Unit	10% Chrysotile	CAT 1	No	25 sq.ft.
WT-30	Water Treatment Building	Hot Water Tank #1	Return Pipe Insulation (red dot)	40% Amosite 5% Chrysotile	RACM	Yes	56 in.ft.
WT-31	Water Treatment Building	Hot Water Tank #1	Top Layer - Vessel Insulation	10% Chrysotile	RACM	Yes	300 sq.ft.
WT-32	Water Treatment Building	Hot Water Tank #1	Bottom Layer - Vessel Insulation	10% Chrysotile	RACM	Yes	300 sq.ft.
WT-34	Water Treatment Building	Hot Water Tank #2	Return Pipe Insulation (red dot)	30% Amosite 10% Chrysotile	RACM	Yes	55 in.ft.
WT-39	Water Treatment Building	Hot Water Tank #3	Top Layer - Mastic Vapor Barrier	10% Chrysotile	CAT 1	No	300 sq.ft.

Sample Number	Building Location	Sample Location	Sample Description	Asbestos % and Type	NESHAP Designation	Friable (Yes or No)	Estimated Quantity
WT-40	Water Treatment Building	Hot Water Tank #3	Second Layer - Vessel Insulation	30% Chrysotile	RACM	Yes	300 sq.ft.
WT-41	Water Treatment Building	Hot Water Tank #3	Third Layer - Vessel Insulation	45 % Amosite 5% Chrysotile	RACM	Yes	300 sq.ft.
WT-42	Water Treatment Building	Hot Water Tank #3	White Fitting insulation (red dot)	40% Amosite	RACM	Yes	15 ea.
WT-43	Water Treatment Building	Hot Water Tank #3	White Pipe insulation (red dot)	45% Amosite	RACM	Yes	55 in.ft.
WT-46	Water Treatment Building	Anthracte Filter Tank #1	Second Layer - Felt	30% Chrysotile	RACM	Yes	300 sq.ft.
WT-47	Water Treatment Building	Anthracte Filter Tank #1	Third Layer - Vessel Insulation	45 % Amosite 5% Chrysotile	RACM	Yes	300 sq.ft.
WT-49	Water Treatment Building	Anthracte Filter Tank #1	Supply Pipe Insulation (red dot)	45 % Amosite 5% Chrysotile	RACM	Yes	55 in.ft.
WT-51	Water Treatment Building	Anthracte Filter Tank #2	Top Layer - Black Canvas Wrap	35% Chrysotile	RACM	Yes	300 sq.ft.
WT-52	Water Treatment Building	Anthracte Filter Tank #2	Second Layer - Skim Coat	35% Chrysotile	RACM	Yes	300 sq.ft.
WT-53	Water Treatment Building	Anthracte Filter Tank #2	Third Layer - Vessel Insulation	40% Amosite	RACM	Yes	300 sq.ft.
WT-54	Water Treatment Building	Anthracte Filter Tank #2	Supply Pipe Insulation (red dot)	40% Amosite	RACM	Yes	65 in.ft.
WT-55	Water Treatment Building	Anthracte Filter Tank #2	Return Pipe Insulation (red dot)	40% Amosite	RACM	Yes	55 in.ft.
WT-57	Water Treatment Building	Anthracte Filter Tank #3	Top Layer - Black Canvas Wrap	30% Chrysotile	RACM	Yes	300 sq.ft.
WT-58	Water Treatment Building	Anthracte Filter Tank #3	Second Layer - Skim Coat	35% Chrysotile	RACM	Yes	300 sq.ft.
WT-59	Water Treatment Building	Anthracte Filter Tank #3	Third Layer - Vessel Insulation	46% Amosite	RACM	Yes	300 sq.ft.
WT-61	Water Treatment Building	Anthracte Filter Tank #3	Supply Pipe Insulation (red dot)	45 % Amosite 5% Chrysotile	RACM	Yes	55 in.ft.
WT-62	Water Treatment Building	Anthracte Filter Tank #3	Return Pipe insulation (red dot)	45 % Amosite 5% Chrysotile	RACM	Yes	55 in.ft.
WT-63	Water Treatment Building	Anthracte Filter Tank #4	Top Layer - Black Canvas Wrap	40% Chrysotile	RACM	Yes	300 sq.ft.
WT-64	Water Treatment Building	Anthracte Filter Tank #4	Second Layer - Skim Coat	40% Chrysotile	RACM	Yes	300 sq.ft.
WT-65	Water Treatment Building	Anthracte Filter Tank #4	Third Layer - Vessel Insulation	45% Amosite	RACM	Yes	300 sq.ft.
WT-66	Water Treatment Building	Anthracte Filter Tank #4	Dump Valve Fitting Insulation	40% Amosite 10% Chrysotile	RACM	Yes	10 in.ft.
WT-71	Water Treatment Building	Filtered Water Pump	White Fitting Insulation	3% Chrysotile	RACM	Yes	25 in.ft.
WT-72	Water Treatment Building	Effluent Pipe to Hotwell Tank	White Pipe Insulation	40% Amosite 10% Chrysotile	RACM	Yes	180 in.ft.
WT-73	Water Treatment Building	Effluent Pipe to Hotwell Tank	White Pipe Fitting Insulation	40% Amosite 10% Chrysotile	RACM	Yes	25 ea.

Sample Number	Building Location	Sample Location	Sample Description	Asbestos % and Type	NESHAP Designation	Friable (Yes or No)	Estimated Quantity
WT-74	Water Treatment Building	4" Return Line - Pump Station	White Pipe Fitting Insulation	35% Chrysotile	RACM	Yes	30 ea.
WT-75	Water Treatment Building	3" Supply Line - Lime Tank	White Pipe Fitting Insulation	25% Chrysotile	RACM	Yes	45 ea.
WT-76	Water Treatment Building	Dirty Backwash Line	White Pipe Insulation	25% Chrysotile	RACM	Yes	75 in. ft.
WT-77	Water Treatment Building	Dirty Backwash Line	White Pipe Fitting Insulation	40% Amosite 5% Chrysotile	RACM	Yes	20 ea.
WT-79	Water Treatment Building	Hot Water Storage Tank	Black Vapor Barrier	35% Chrysotile	CAT 1	No	3,200 sq. ft.
WT-81	Water Treatment Building	Hot Water Storage Tank	Vessel Insulation - Second Layer	10% Chrysotile	RACM	Yes	3,200 sq. ft.
WT-82	Water Treatment Building	24" Steam Line - Pipe Rack	White Pipe Insulation	45% Amosite 5% Chrysotile	RACM	Yes	675 in. ft.
WT-83	Water Treatment Building	Hot Water Storage Tank	Skim Coat - Ground Level.	40% Chrysotile	RACM	Yes	3,200 sq. ft.
P-07	Precipitator Area	12" Pipe Under Hotwell Tank	White Pipe Fitting Insulation	5% Amosite 10% Chrysotile	RACM	Yes	22 ea.
P-08	Precipitator Area	12" Pipe Under Hotwell Tank	White Pipe Insulation	5% Amosite 10% Chrysotile	RACM	Yes	165 in. ft.
P-11	Precipitator Area	8" Pipe - West of Hotwell Tank	White Pipe Insulation	20% Chrysotile	RACM	Yes	175 in. ft.
P-12	Precipitator Area	Hotwell Tank - West End	Vapor Barrier	25% Chrysotile	CAT 1	No	720 sq. ft.
P-13	Precipitator Area	Hotwell Tank - West End	Vessel Insulation - Skim Coat	35% Chrysotile	RACM	Yes	720 sq. ft.
P-20	Precipitator Area	10" Pipe - Over Hotwell Tank #2	Pipe Fitting Vapor Barrier	40% Chrysotile	RACM	Yes	45 ea.
P-22	Precipitator Area	10" Pipe - Over Hotwell Tank #2	White Pipe Insulation	40% Amosite 10% Chrysotile	RACM	Yes	165 in. ft.
P-23	Precipitator Area	Condensate Tank - North	Vapor Barrier	30% Chrysotile	CAT 1	No	860 sq. ft.
P-29	Precipitator Area	Condensate Tank - South	Vapor Barrier	25% Chrysotile	CAT 1	No	860 sq. ft.
P-36	Precipitator Area	3" Pipe - Over Condensate Tank	White Pipe Insulation (red dot)	40% Amosite	RACM	Yes	65 in. ft.
DB-01	Debris Field / South of Graded Area	4' West of Railroad/4' South of Surveyors Line	TSI Debris	8% Chrysotile	RACM	Yes	10 sq. ft.
DB-03	Debris Field / South of Graded Area	15' West of Railroad/10' South of Surveyors Line	Roofing Debris	25% Chrysotile	CAT 1	No	25 sq. ft.
DB-07	Debris Field / South of Graded Area	75' West of Railroad/10' South of Surveyors Line	Silver Mastic Debris	2% Chrysotile	CAT 1	No	15 sq. ft.
DB-08	Debris Field / South of Graded Area	85' West of Railroad/10' South of Surveyors Line	Silver Mastic Debris	2% Chrysotile	CAT 1	No	20 sq. ft.
DB-09	Debris Field / South of Graded Area	10' West of Hydrant/ 5' South of Surveyors Line	Roof Debris	10% Chrysotile	CAT 1	No	20 sq. ft.
DB-10	Debris Field / South of Graded Area	30' West of Hydrant/5' South of Surveyors Line	Fibrous Roll TSI	10% Chrysotile	RACM	Yes	30 sq. ft.

Sample Number	Building Location	Sample Location	Sample Description	Asbestos % and Type	NESHAP Designation	Friable (Yes or No)	Estimated Quantity
DB-11	Debris Field / West of Graded Area	West Surveyors Line/20' North of Road	Fibrous Roll TSI	10% Chrysotile	RACM	Yes	60 sq.ft.
DB-12	Debris Field / West of Graded Area	West Surveyors Line/70' North of Road	Roof Debris	30% Chrysotile	CAT 1	No	45 sq.ft.
DB-13	Boiler Room Ground Level	Locked Room - North End	TSI Debris	25% Chrysotile	RACM	Yes	20 cu.yd.
DB-14	Boiler Room Ground Level	Locked Room - North End	TSI Debris	40% Chrysotile	RACM	Yes	20 cu.yd.

APPENDIX B
SITE LAYOUT DIAGRAMS

TRACT-A-2-1
AREA: 391,565 SQ. FT.
OR
8.989 ACRES

MATERIAL STORAGE

EASEMENT FROM
LENDING TO BASS
FOR WATER SUPPLY
FACILITIES AND
NATURAL GAS LINE

CLARIFIER

PULP STORAGE

SETTLING BASIN

QUALITY BLDG

RYON FILAMENT PLANT

WALL

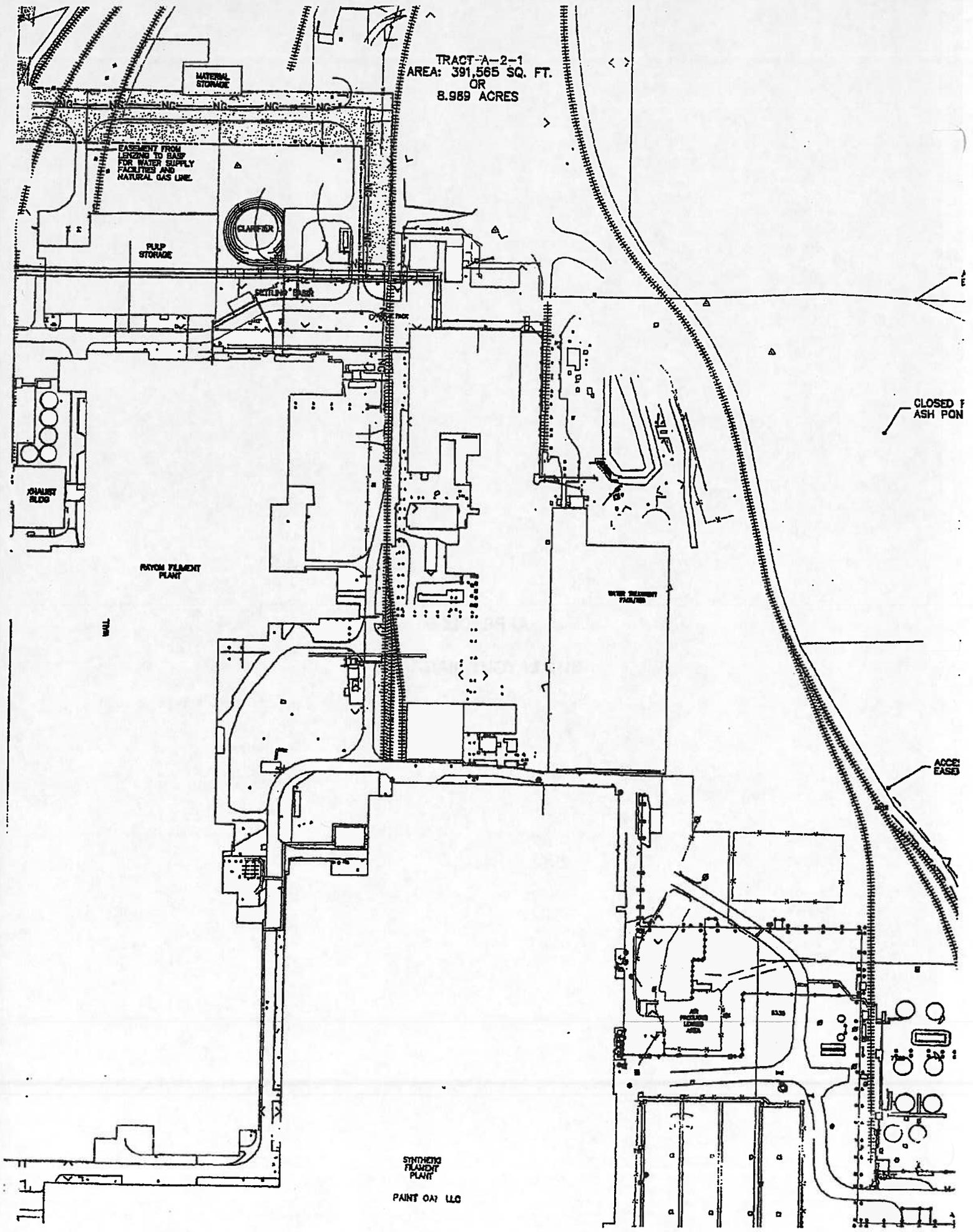
WATER TREATMENT FACILITY

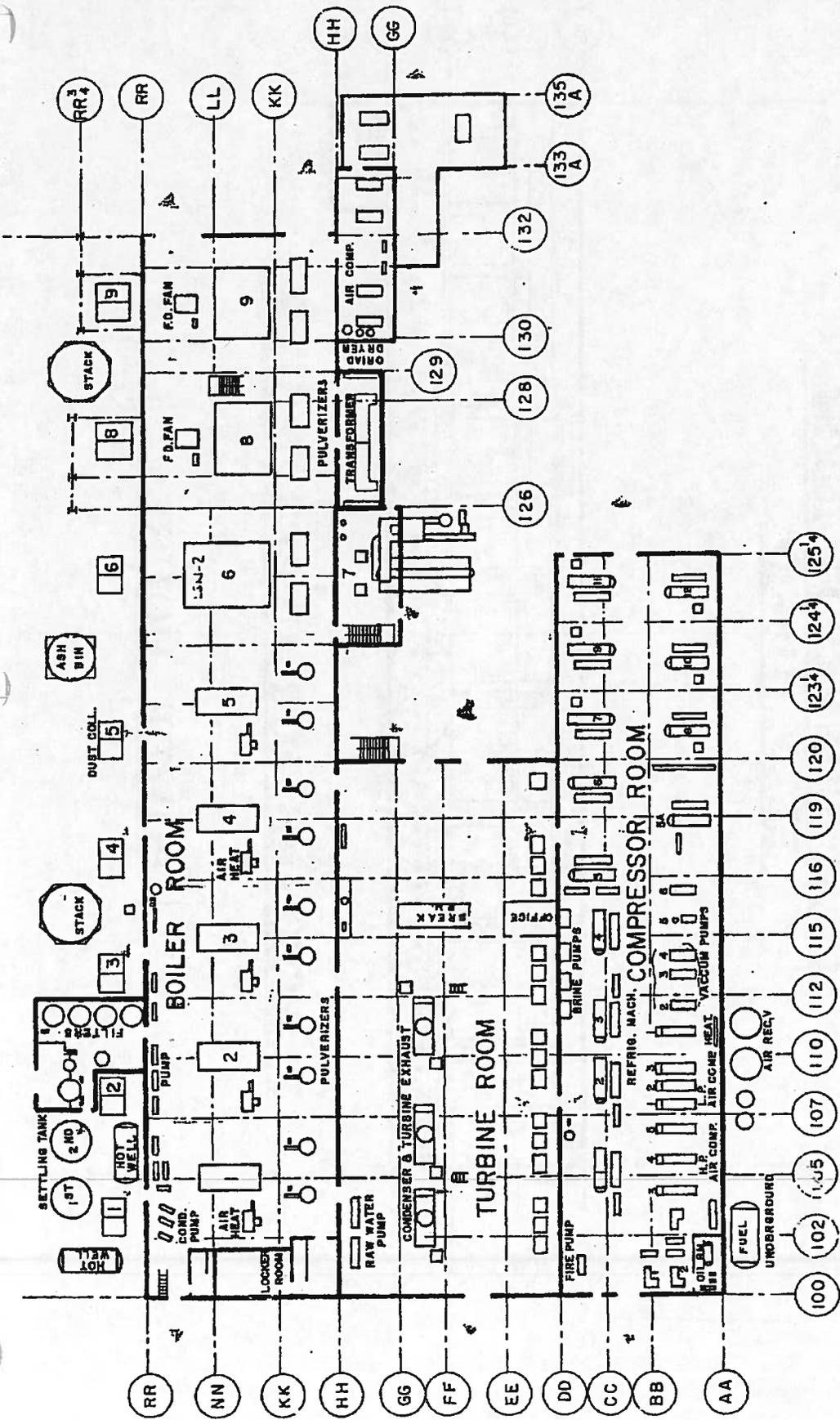
CLOSED
ASH PON

ACCE
EASE

SYNTHETIC
FILAMENT
PLANT

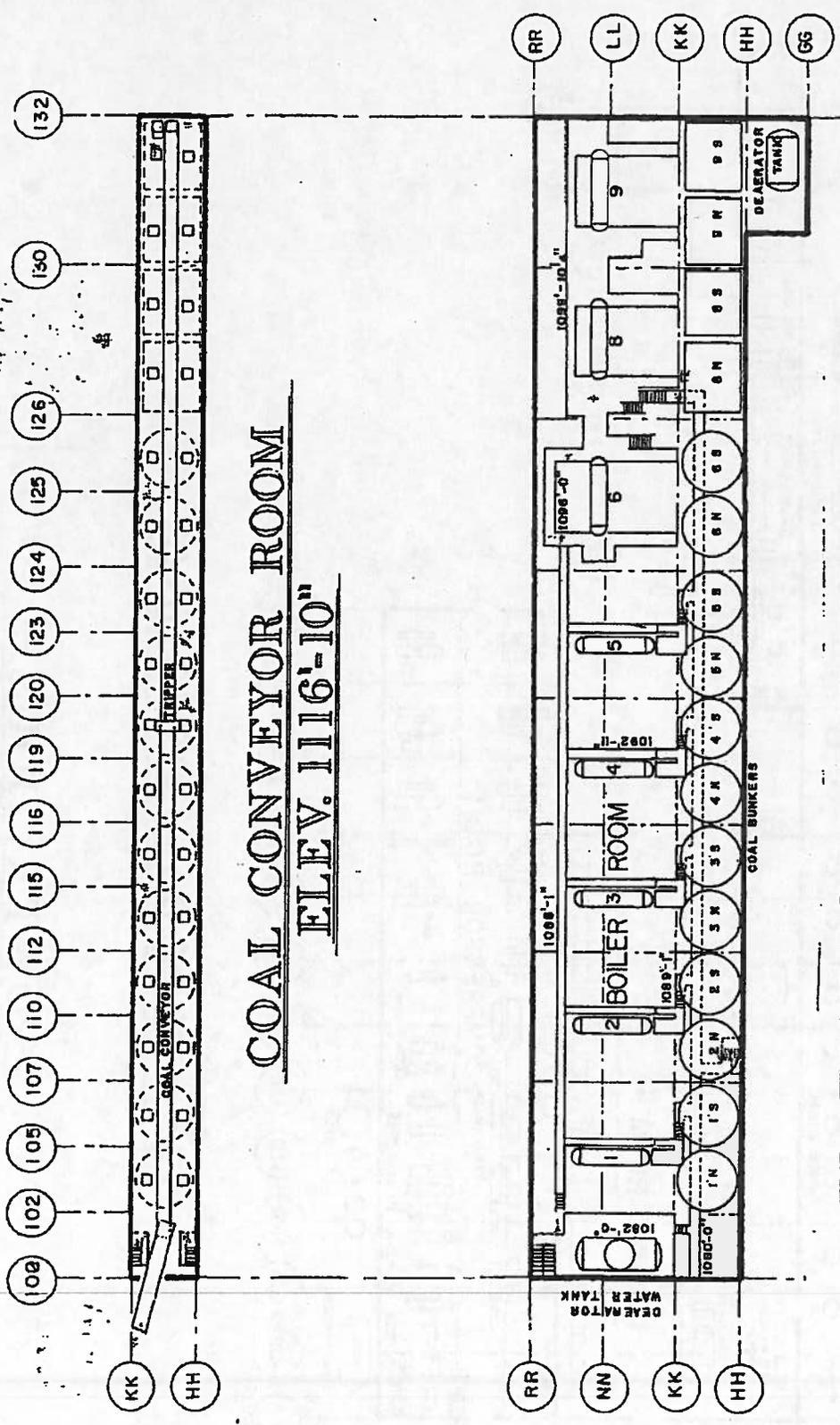
PAINT OIL LLC





1ST FLOOR - ELEV. 1046'-0"

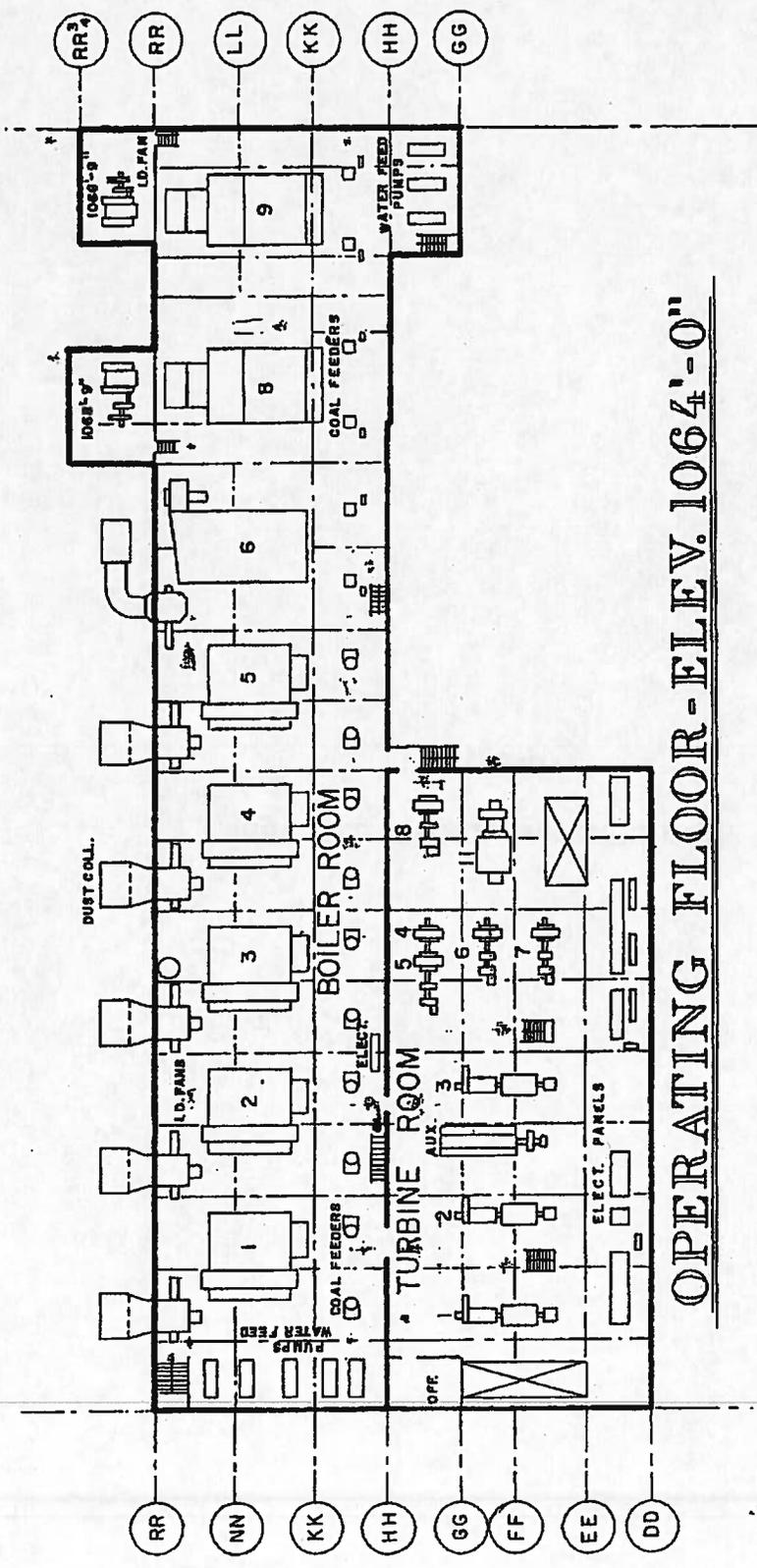
POWER HOUSE



COAL CONVEYOR ROOM
ELEV. 1116'-10"

PLATFORMS FOR UPPER DRUMS

POWER HOUSE



OPERATING FLOOR-ELEV. 1064'-0"

POWER HOUSE

APPENDIX C

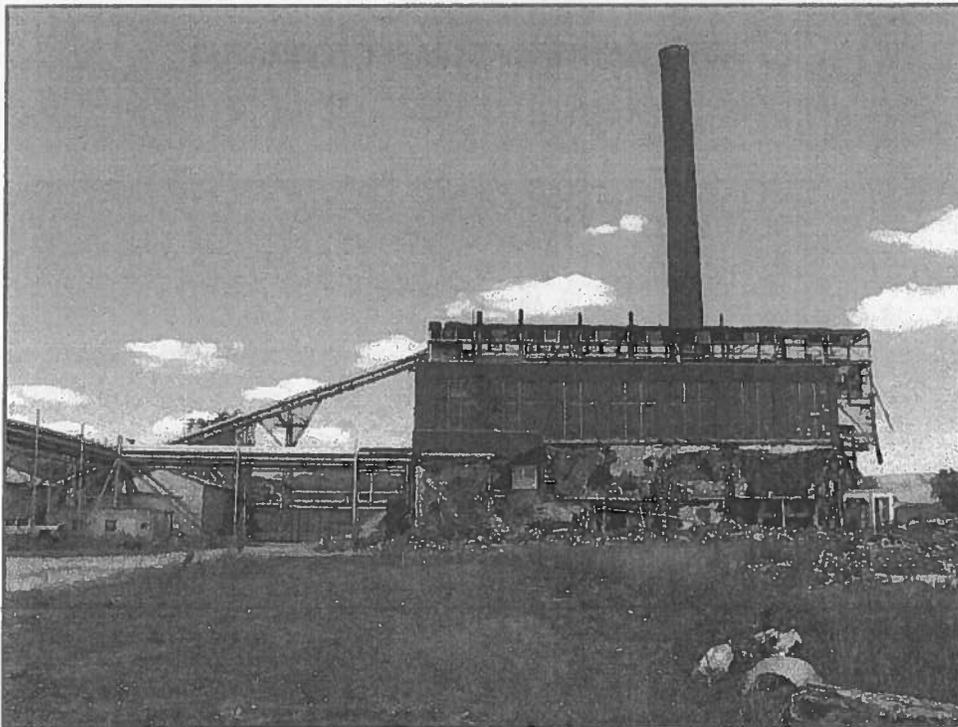
ACBM IDENTIFICATION PHOTOGRAPHS

APPENDIX C

ACBM IDENTIFICATION PHOTOGRAPHS



Power House Structure Southeast View of Pump Room, Turbine Room & Boiler Room



Power House East View of Remaining Structure & Water Treatment Plant to the North



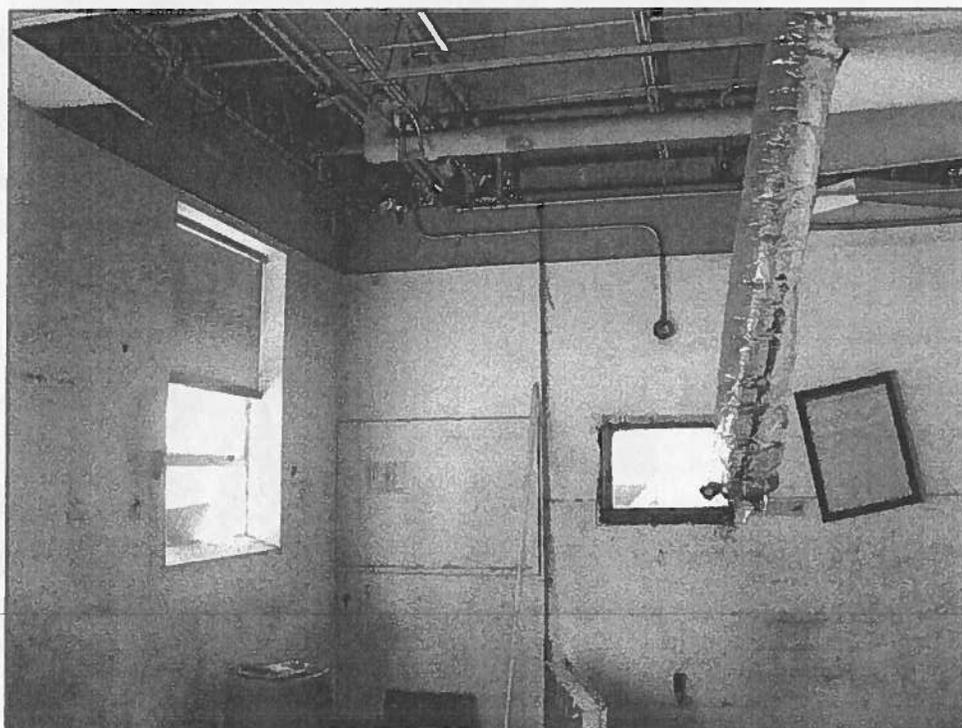
Water Treatment Plant Maintenance Shop & Store Area



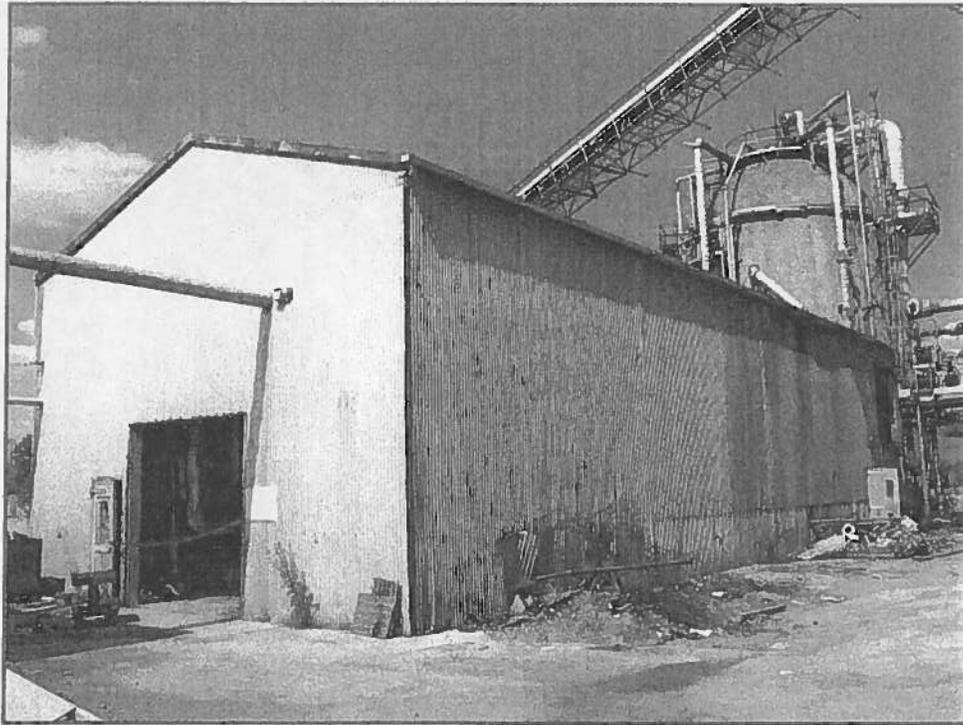
Water Treatment Plant Supervisors Office Structure



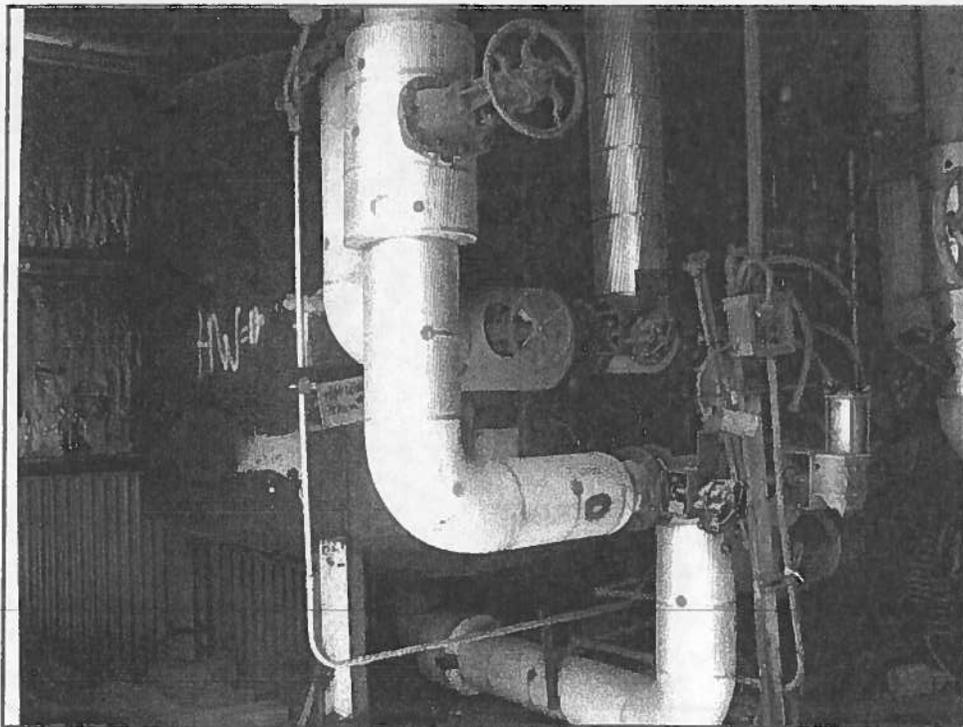
Water Treatment Plant Break Room & Locker Room Structure



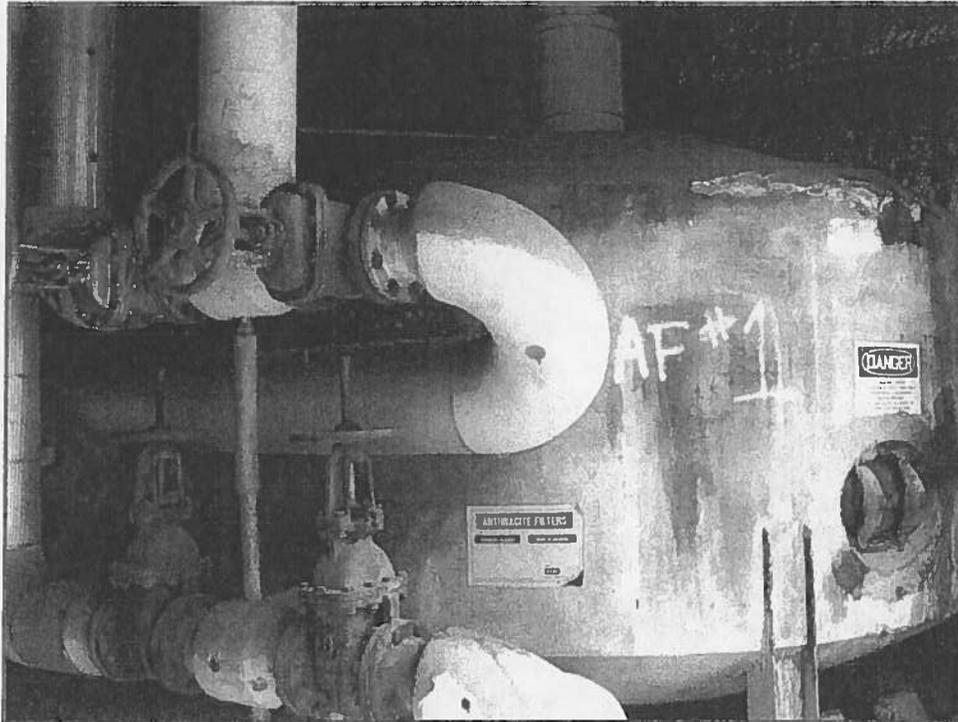
Water Treatment Locker Room – Hot Water ACM Pipe Insulation & Drywall Construction



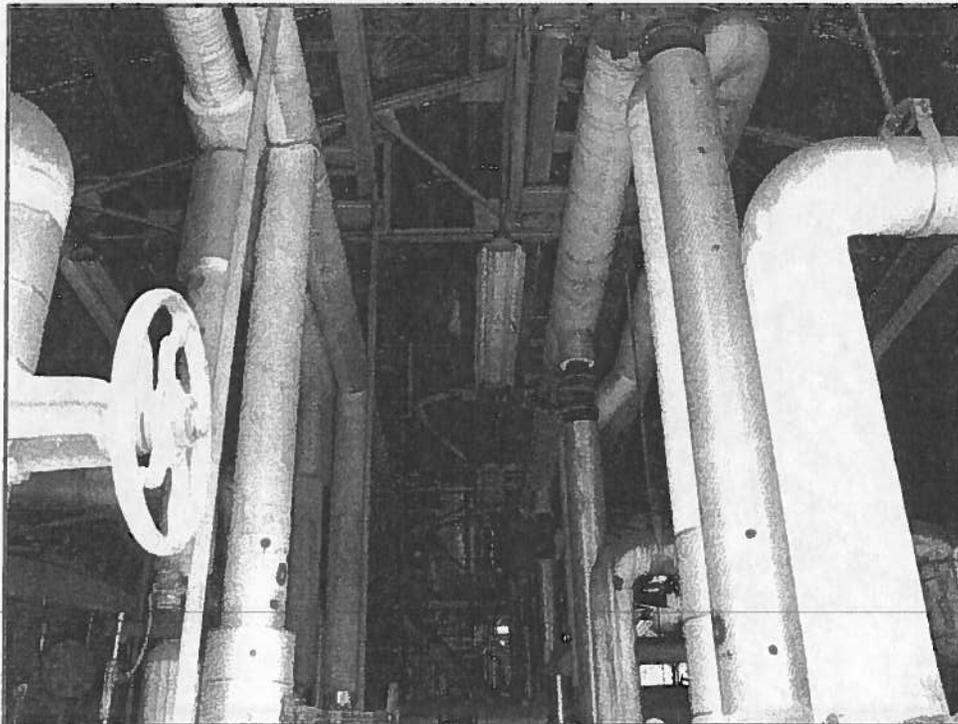
Water Treatment Plant – Structure & Exterior Hot Water Tank



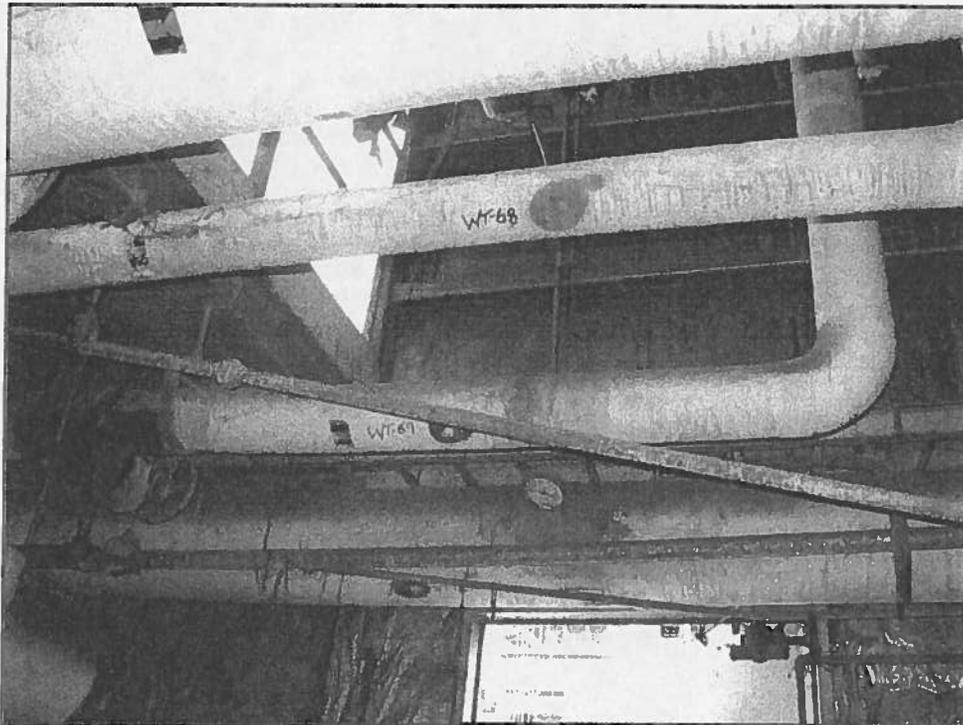
Water Treatment Plant – TSI ACM Hot Water Tank & Pipe Insulation



Water Treatment Plant – TSI ACM Anthracite Filter Tank & Pipe Insulation



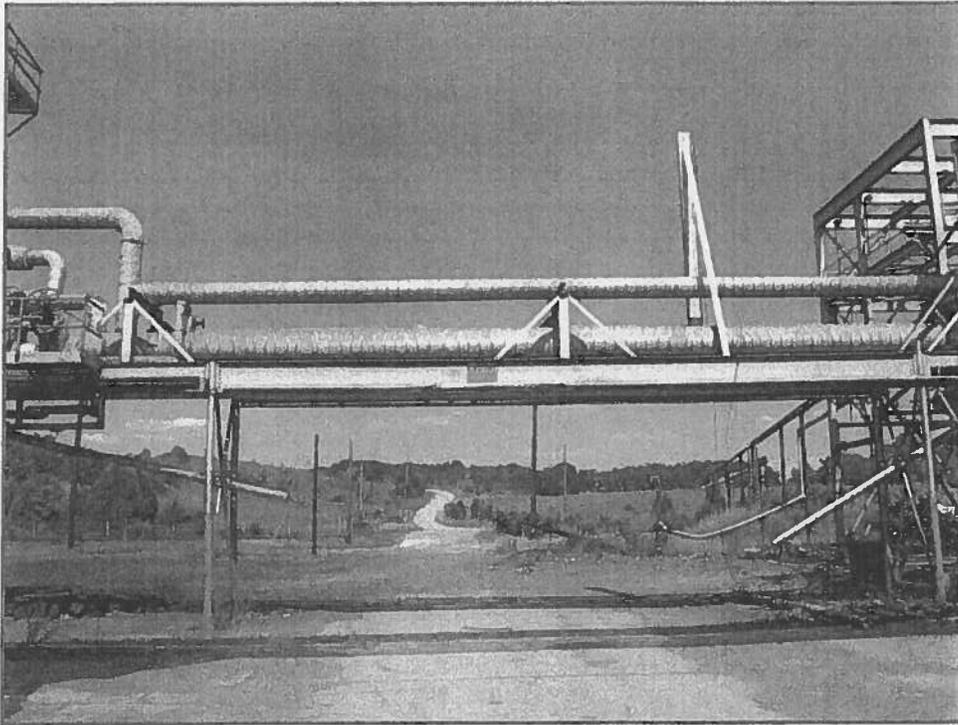
Water Treatment Plant – ACM TSI Pipe Rack Between Tanks



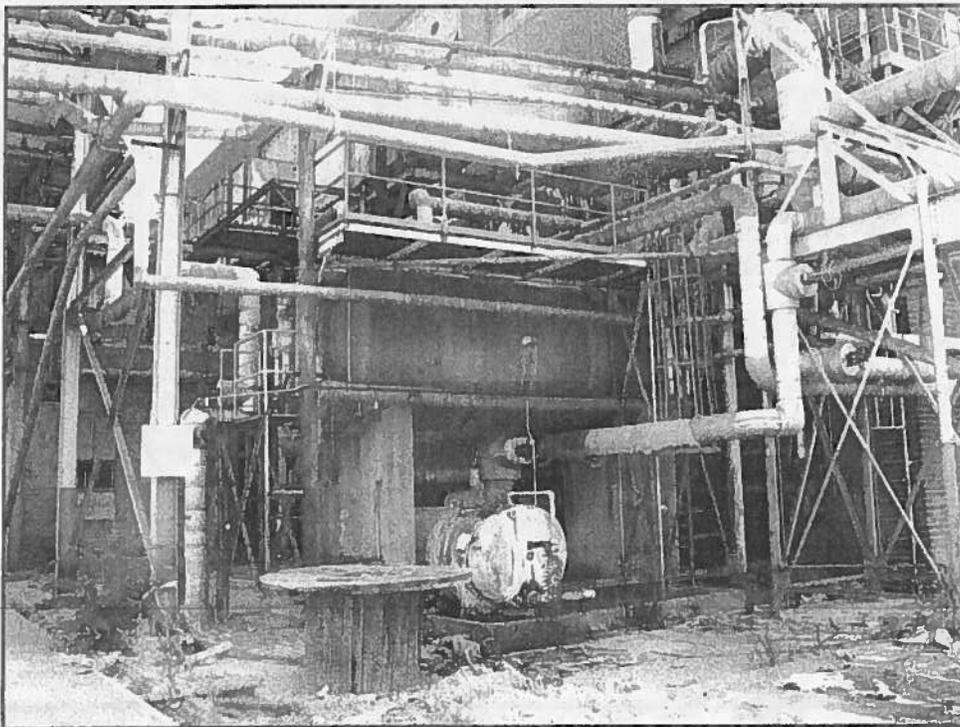
Water Treatment Plant – ACM TSI East End Pipe Rack



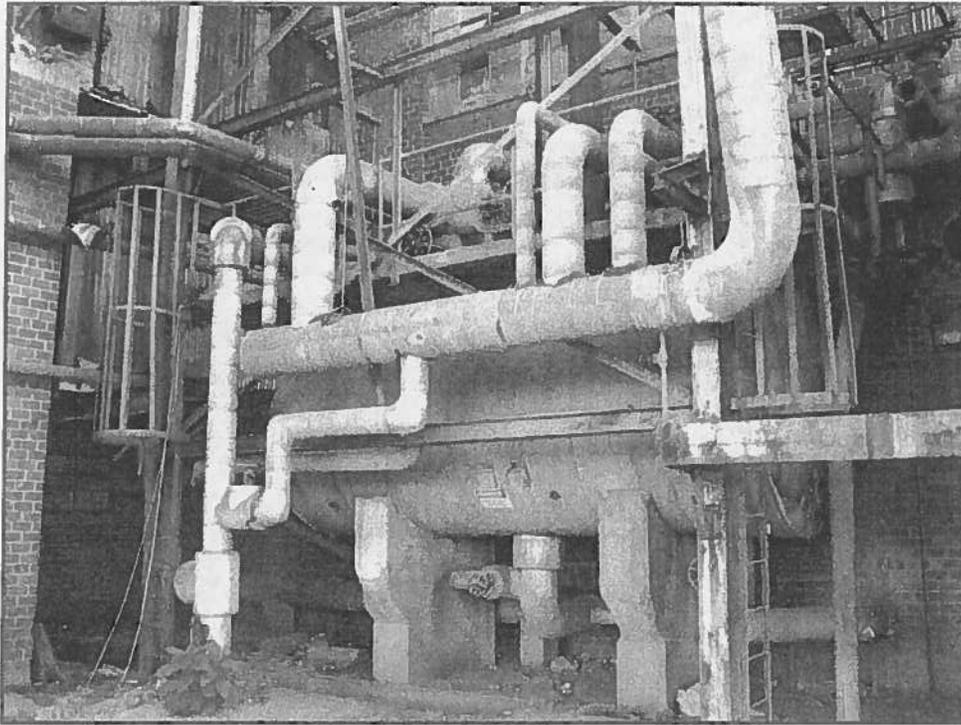
Water Treatment Plant – Exterior ACM Hot Water Storage Tank TSI



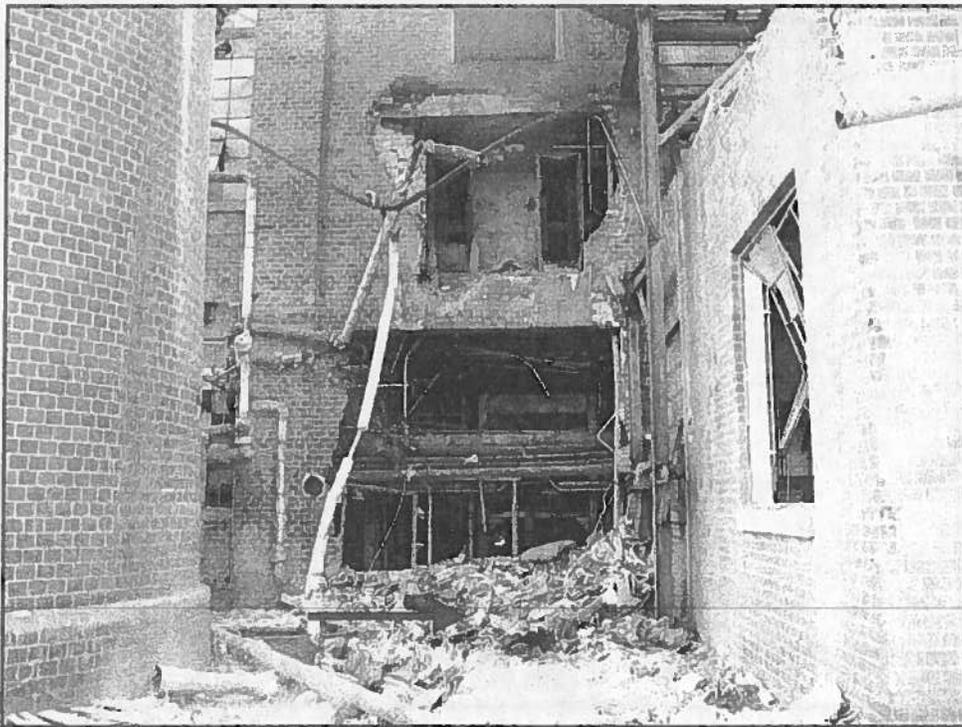
Power House Pipe Rack – ACM TSI Steam & Hot Water Pipe



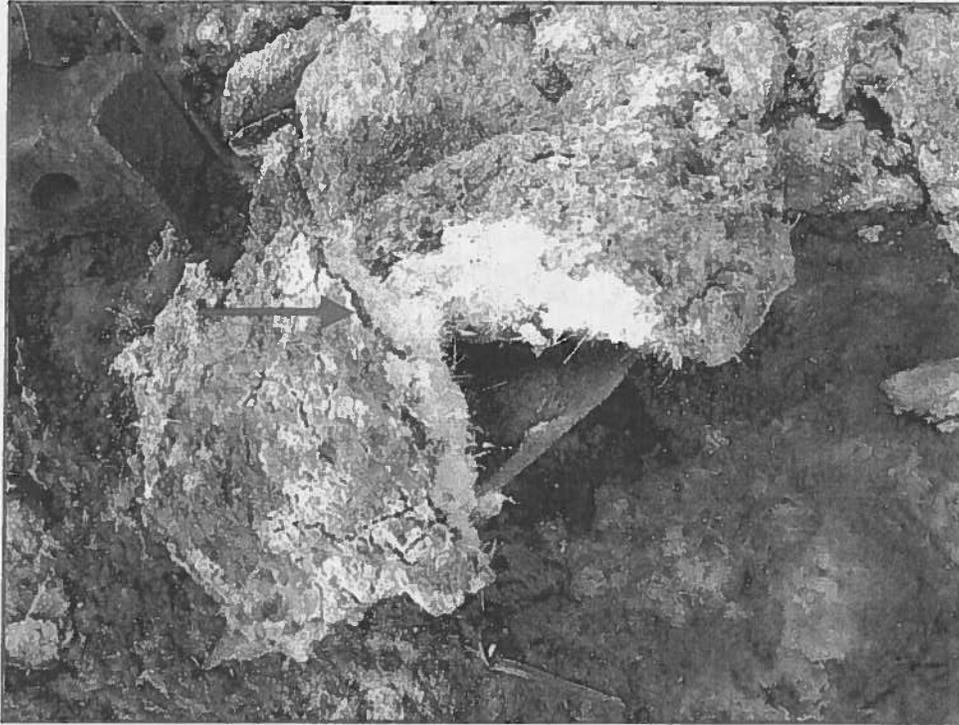
Precipitator Area – ACM TSI Hot Well Tank No. 1 & Associated Pipe In Racks



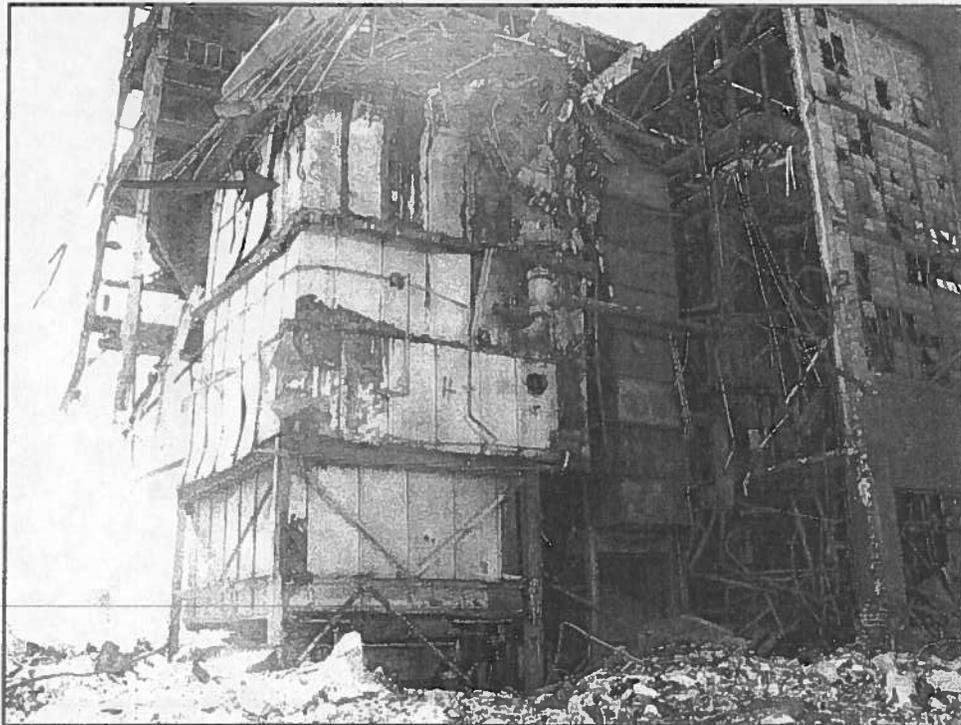
Precipitator Area – ACM TSI Hot Well Tank No. 2 & Associated Pipe In Racks



Boiler Room Exterior – TSI Debris and General Demolition Rubble



Boiler Room Exterior – ACM TSI Debris Mixed In Demolition Rubble



Boiler Room Unit 4 – External View of ACM TSI Behind Metal Jacket



Boiler Room Exterior – Demolition Rubble South Side of Unit 4



Boiler Room Exterior – ACM Debris in Demolition Rubble South Side of Unit 4



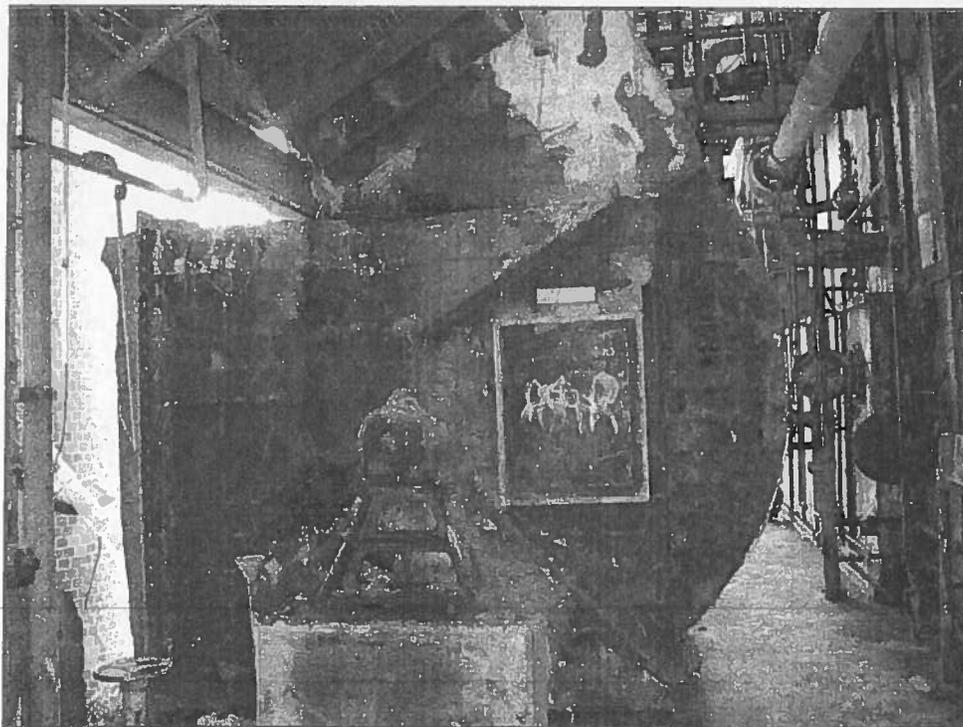
Power House – Northeast View of Pump Room, Turbine Room & Boiler Room Coal Bins



Power House – Pump Room Area TSI Debris Placed On Top of Debris Field



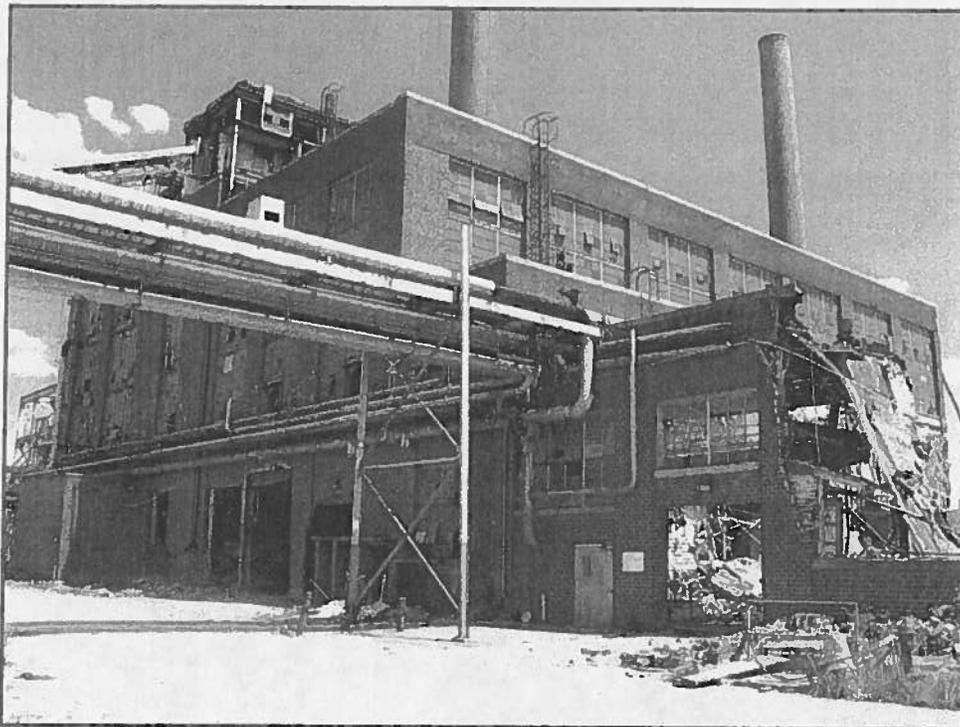
Boiler Room Operating Floor – Steam Header ACM TSI Debris



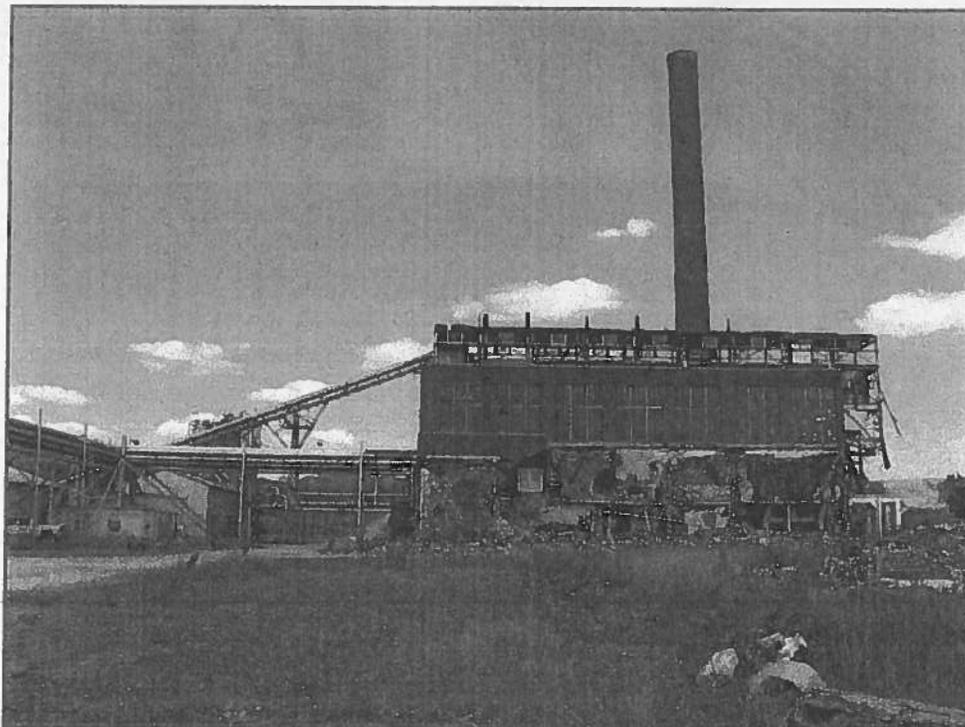
Boiler Room Operating Floor – Induced Draft Fan ACM TSI

APPENDIX C

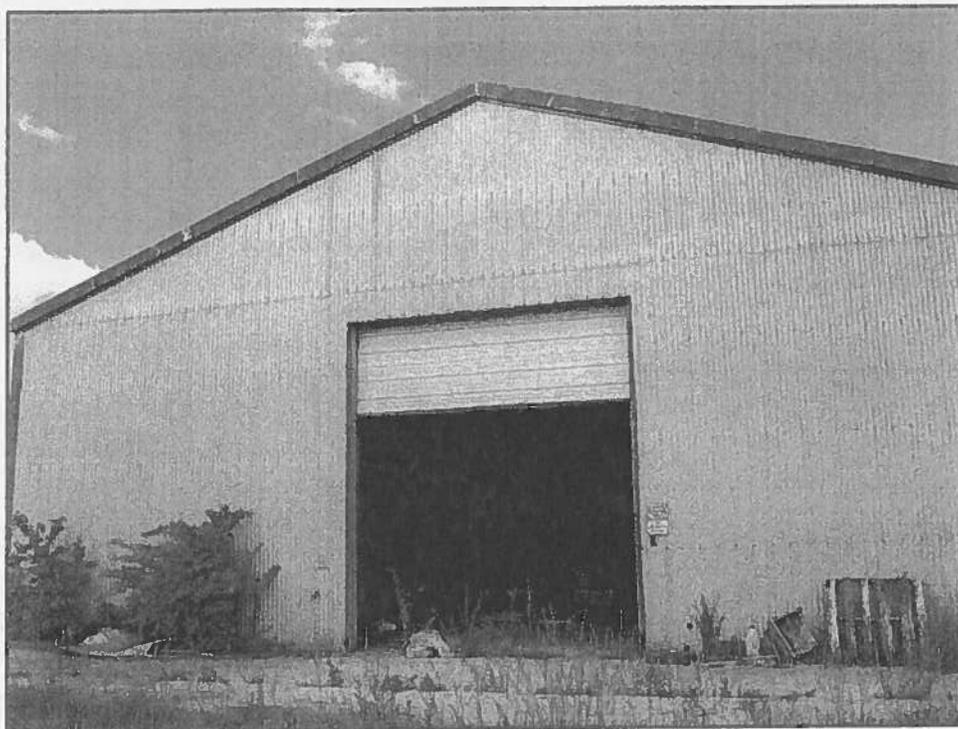
ACBM IDENTIFICATION PHOTOGRAPHS



Power House Structure Southeast View of Pump Room, Turbine Room & Boiler Room



Power House East View of Remaining Structure & Water Treatment Plant to the North



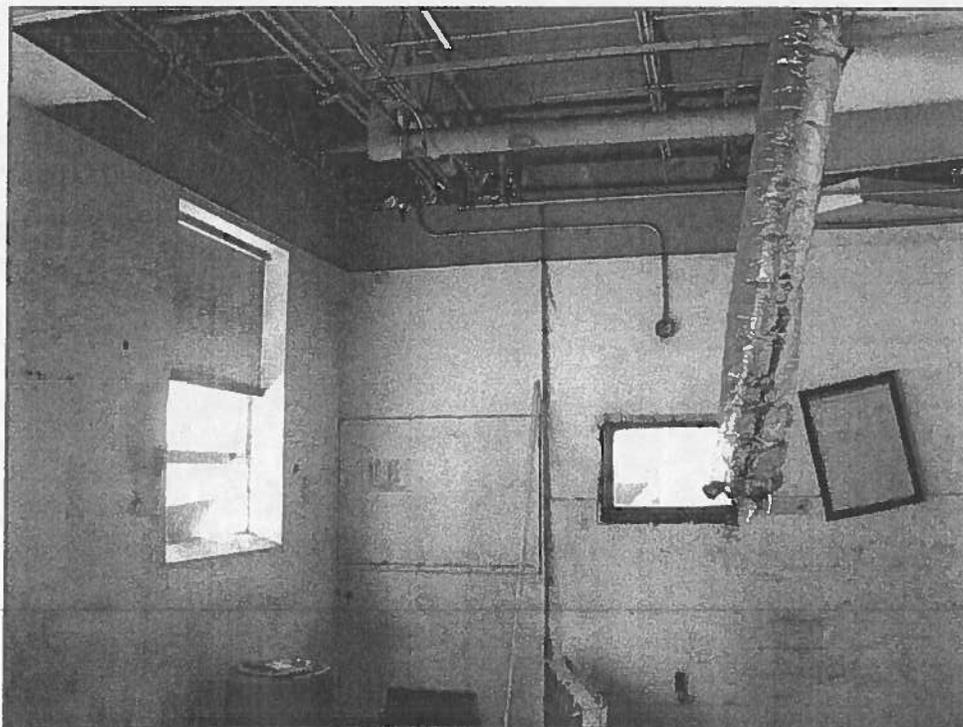
Water Treatment Plant Maintenance Shop & Store Area



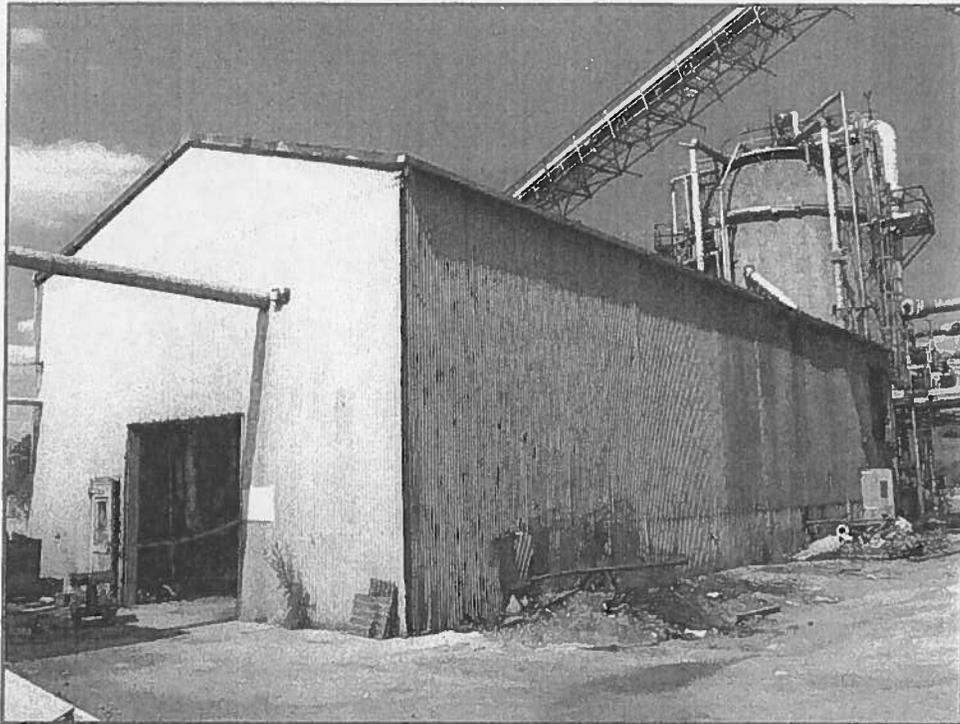
Water Treatment Plant Supervisors Office Structure



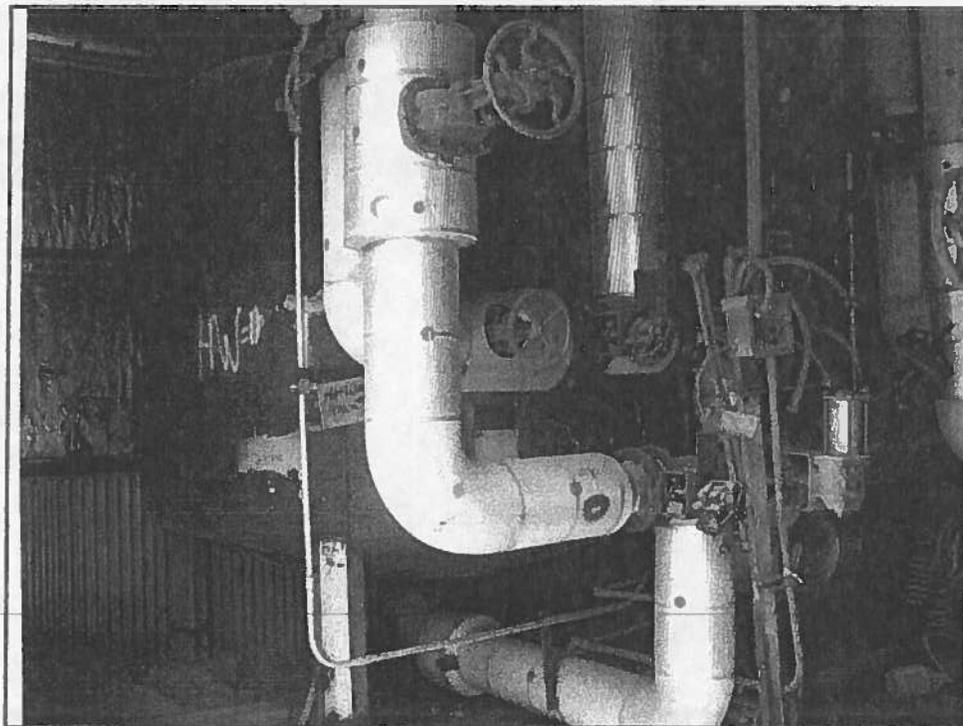
Water Treatment Plant Break Room & Locker Room Structure



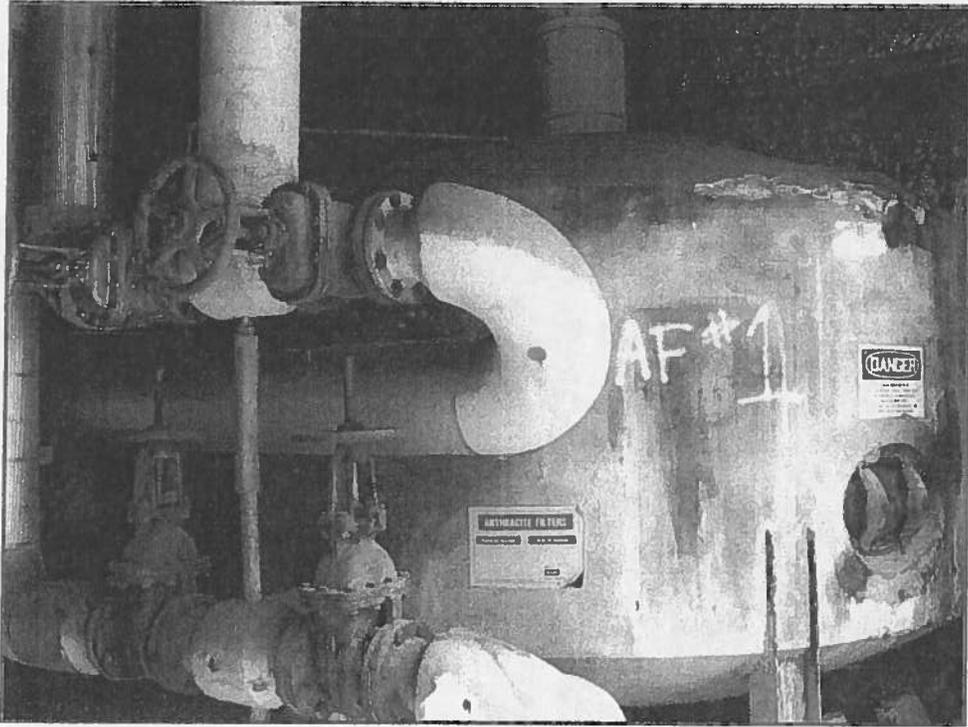
Water Treatment Locker Room – Hot Water ACM Pipe Insulation & Drywall Construction



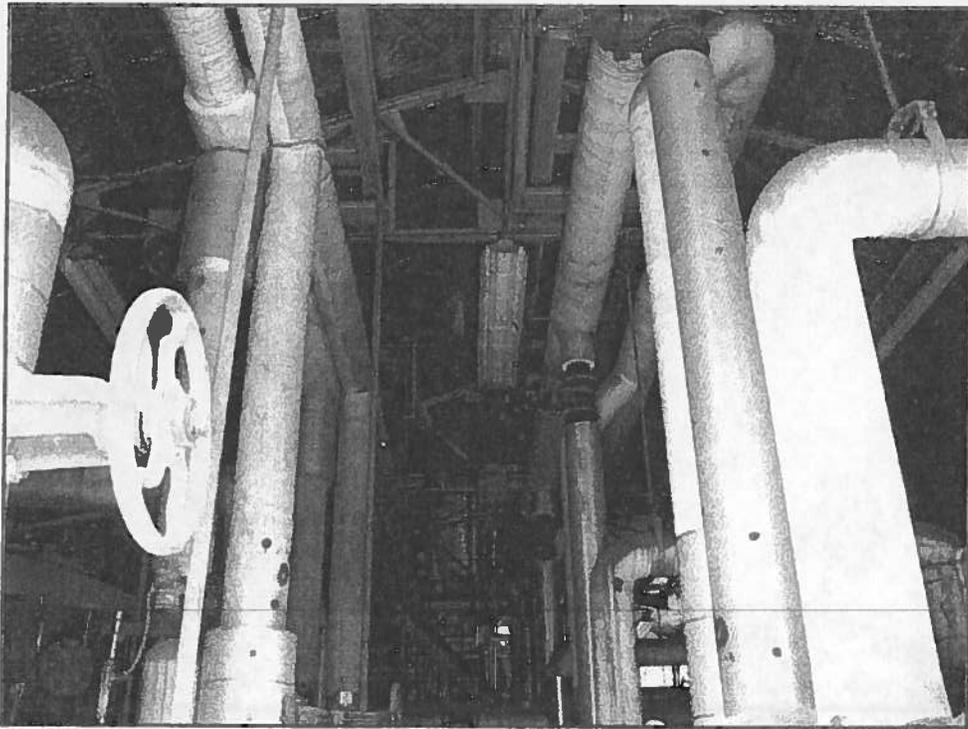
Water Treatment Plant – Structure & Exterior Hot Water Tank



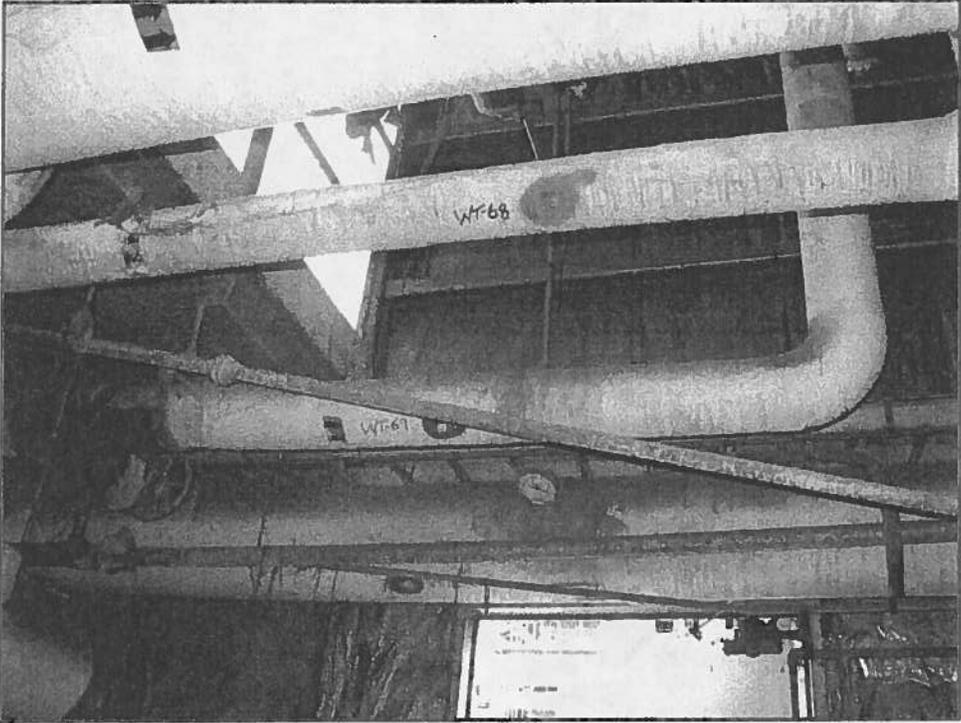
Water Treatment Plant – TSI ACM Hot Water Tank & Pipe Insulation



Water Treatment Plant – TSI ACM Anthracite Filter Tank & Pipe Insulation



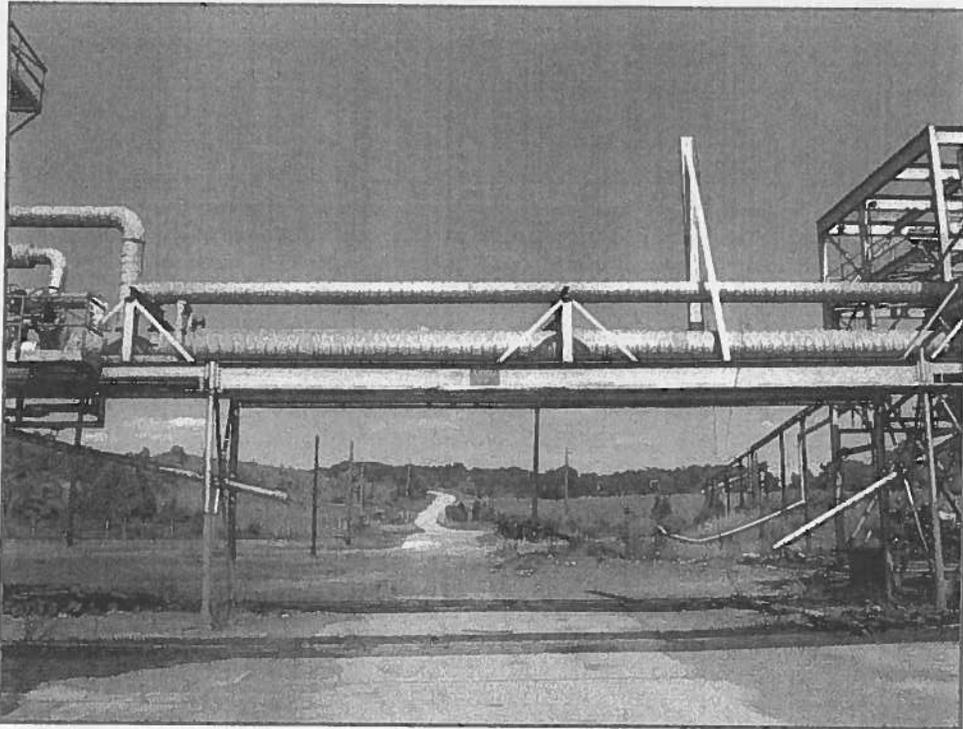
Water Treatment Plant – ACM TSI Pipe Rack Between Tanks



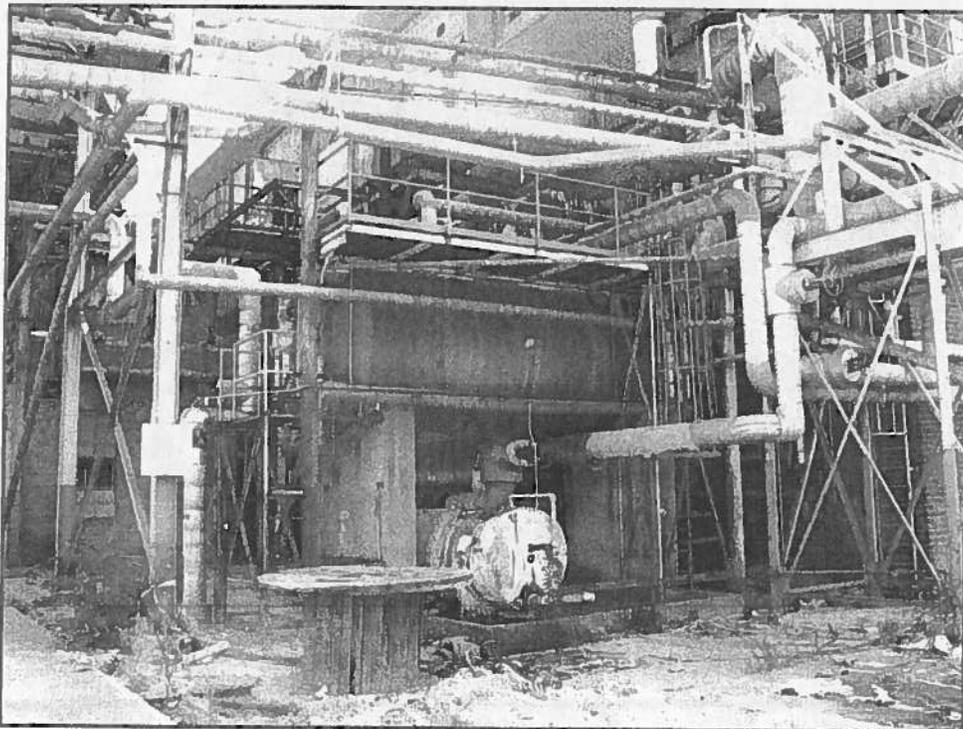
Water Treatment Plant – ACM TSI East End Pipe Rack



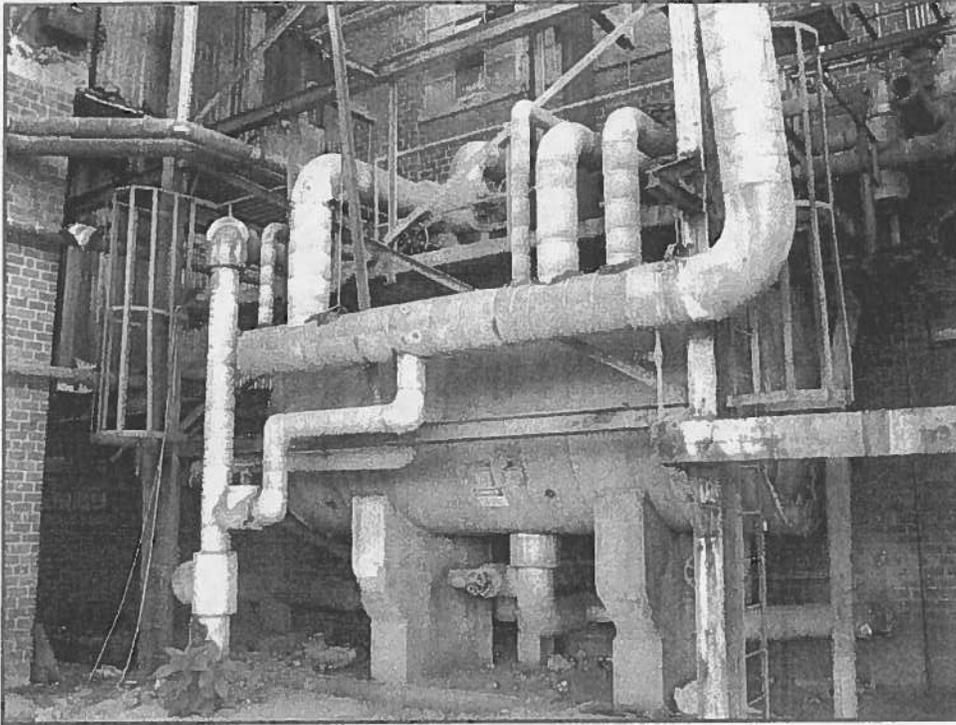
Water Treatment Plant – Exterior ACM Hot Water Storage Tank TSI



Power House Pipe Rack – ACM TSI Steam & Hot Water Pipe



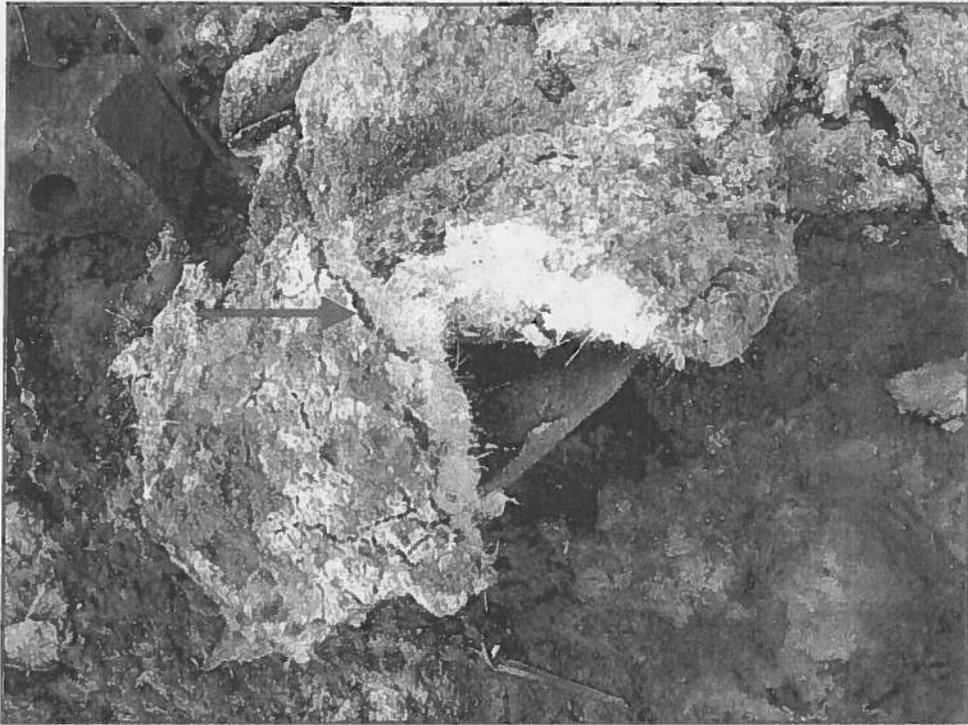
Precipitator Area – ACM TSI Hot Well Tank No. 1 & Associated Pipe In Racks



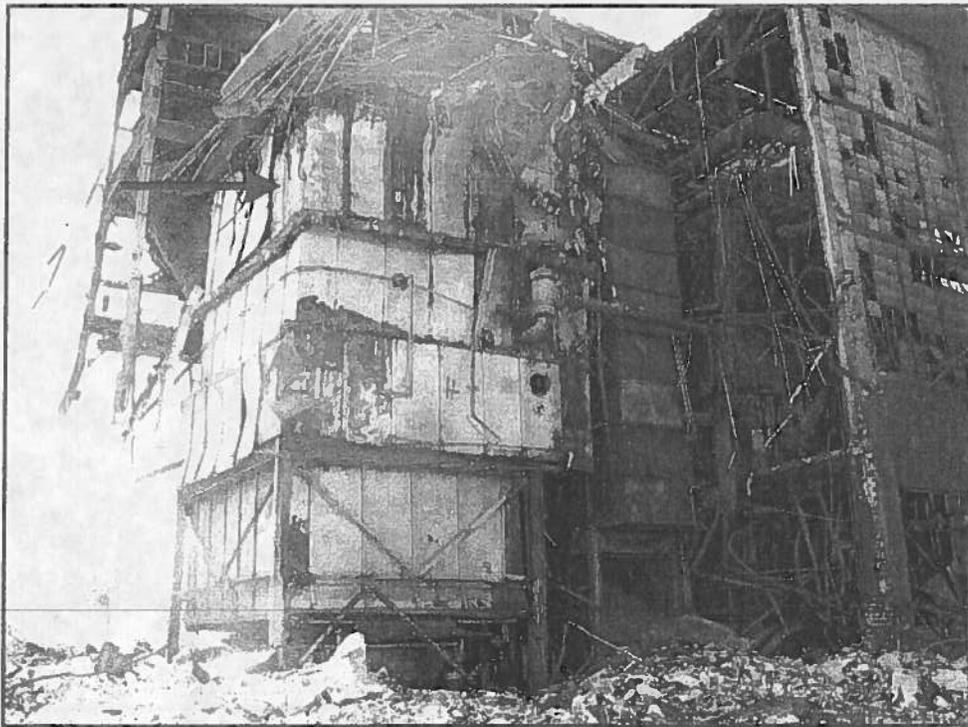
Precipitator Area – ACM TSI Hot Well Tank No. 2 & Associated Pipe In Racks



Boiler Room Exterior – TSI Debris and General Demolition Rubble



Boiler Room Exterior – ACM TSI Debris Mixed In Demolition Rubble



Boiler Room Unit 4 – External View of ACM TSI Behind Metal Jacket



Boiler Room Exterior – Demolition Rubble South Side of Unit 4



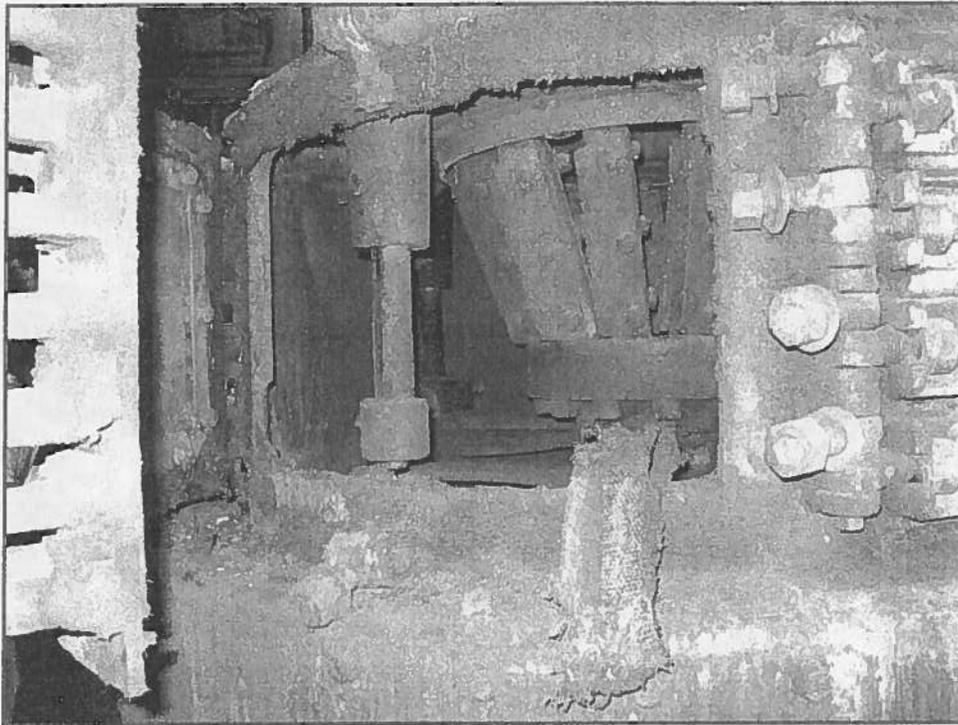
Boiler Room Exterior – ACM Debris in Demolition Rubble South Side of Unit 4



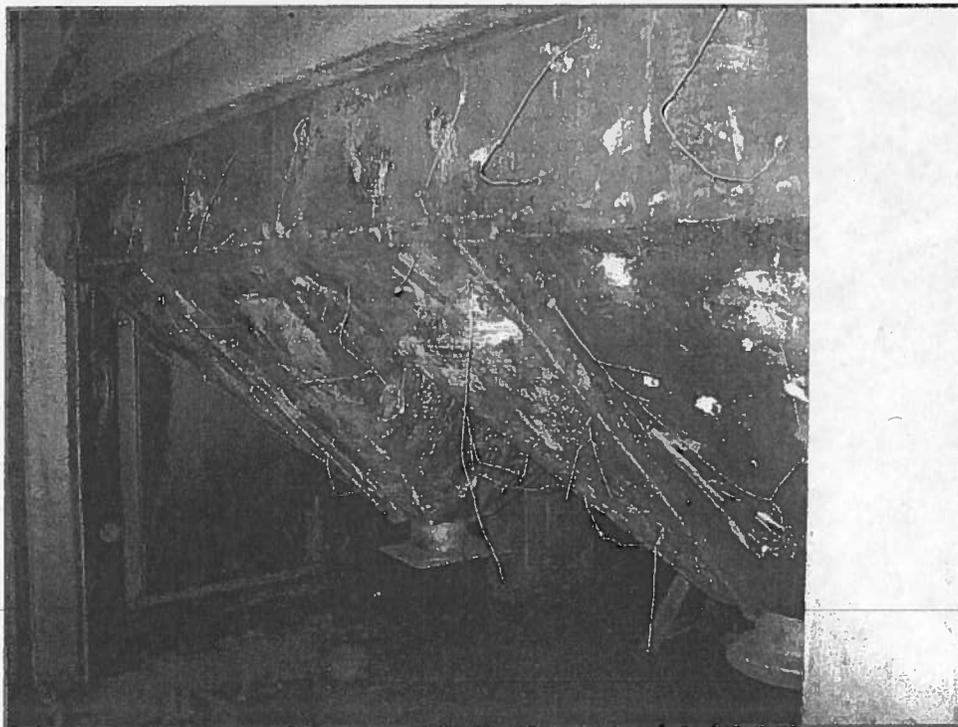
Power House – Northeast View of Pump Room, Turbine Room & Boiler Room Coal Bins



Power House – Pump Room Area TSI Debris Placed On Top of Debris Field



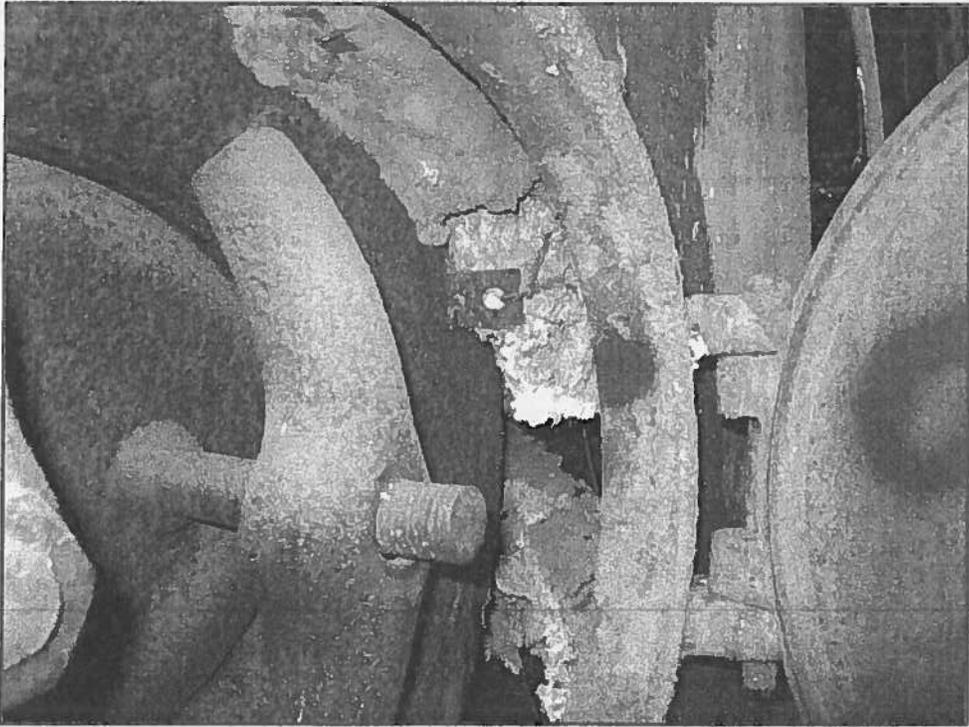
Boiler Room Ground Floor – Coal Pulverizer Access Panel Woven Gasket



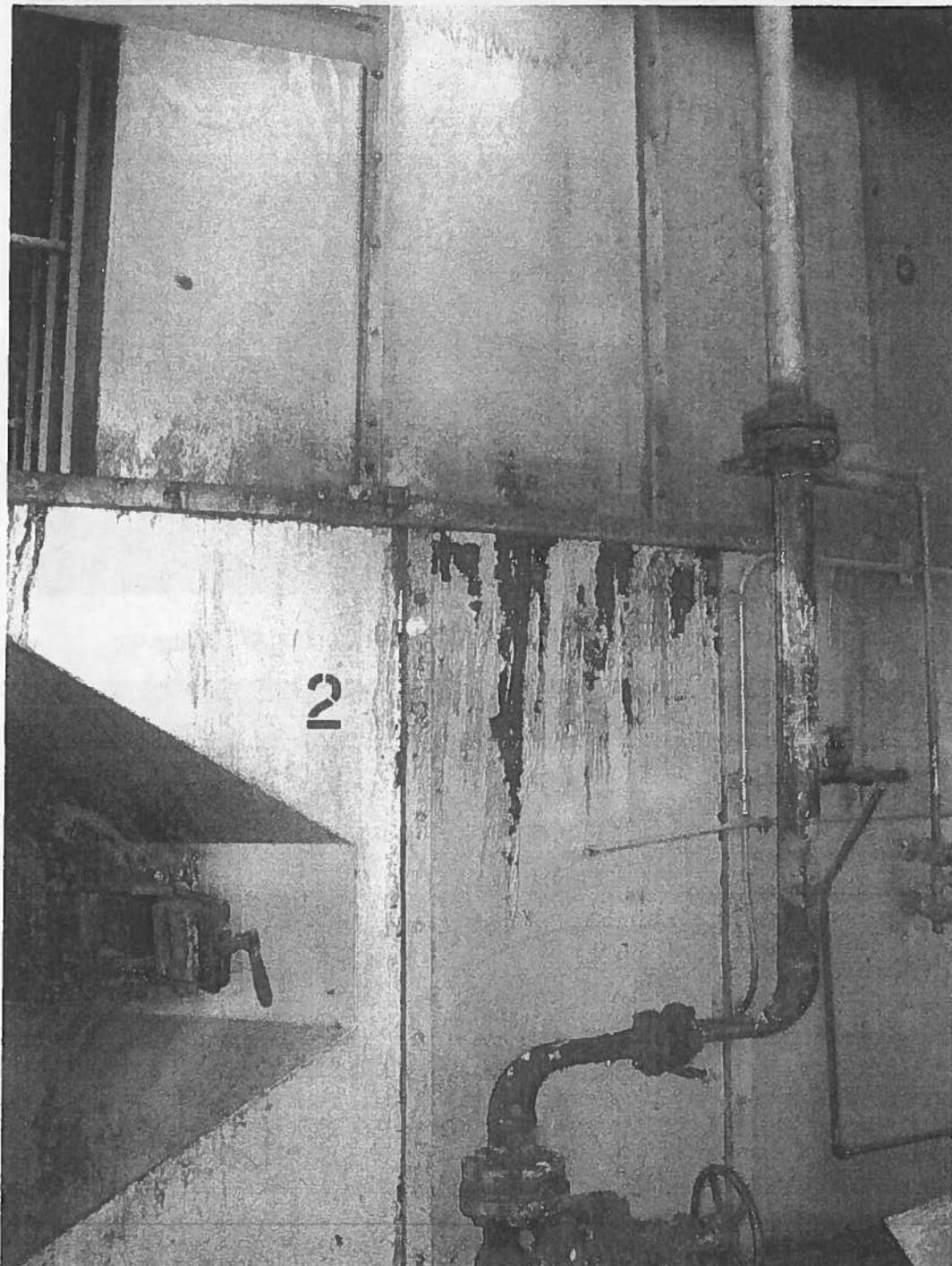
Boiler Room Ground Floor – Ash Hopper ACM TSI Debris



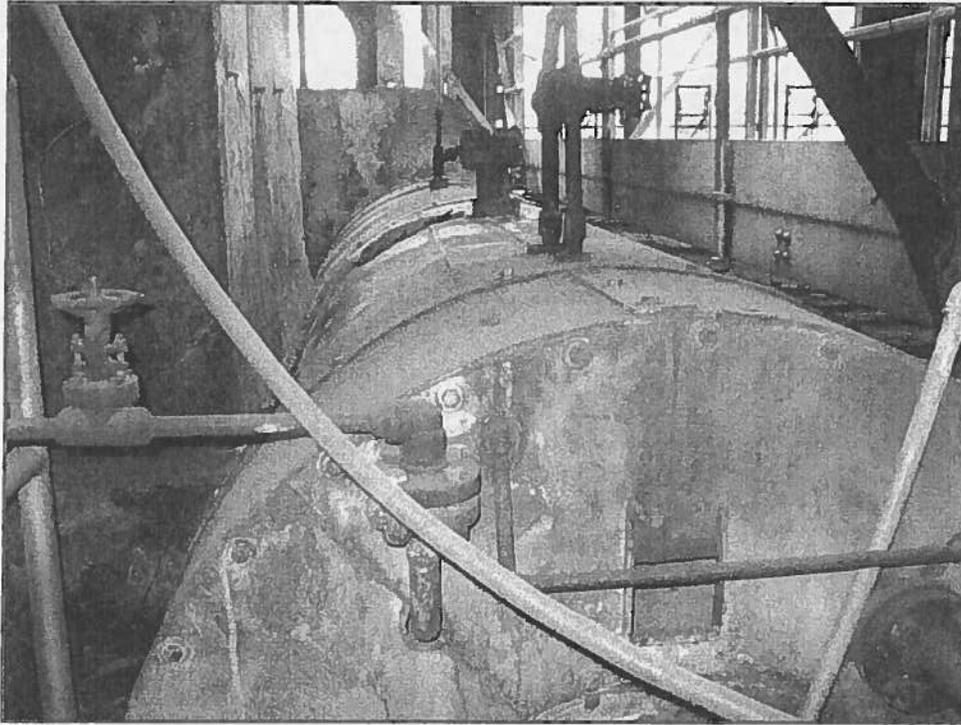
Boiler Room Operating Floor – Air Heater Duct ACM TSI Debris



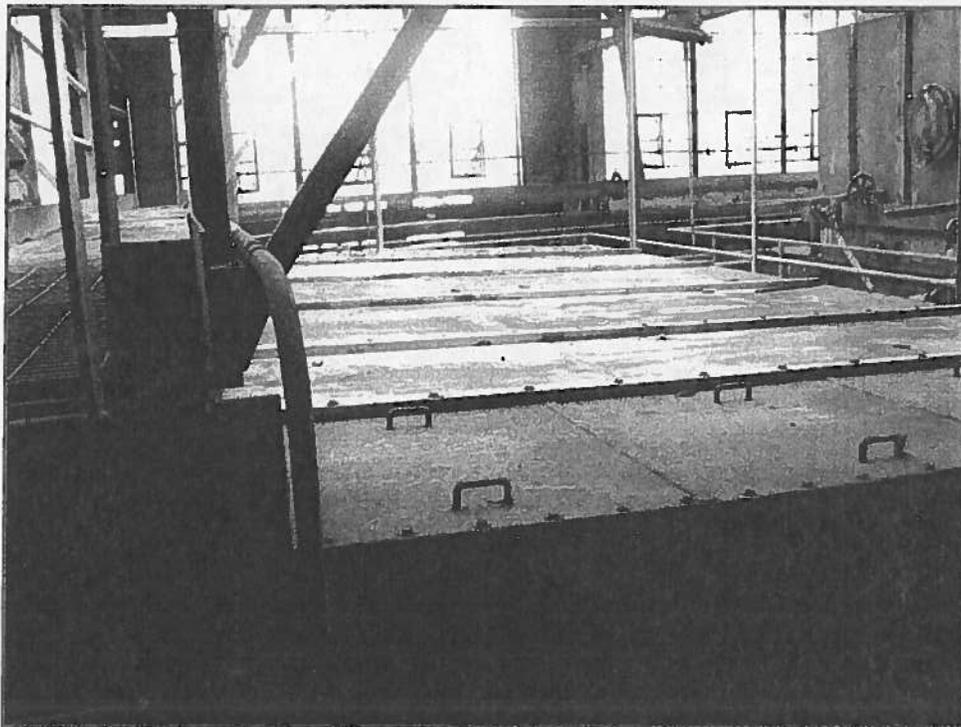
Boiler Room Operating Floor – Typical View of ACM Mud Drum Insulation



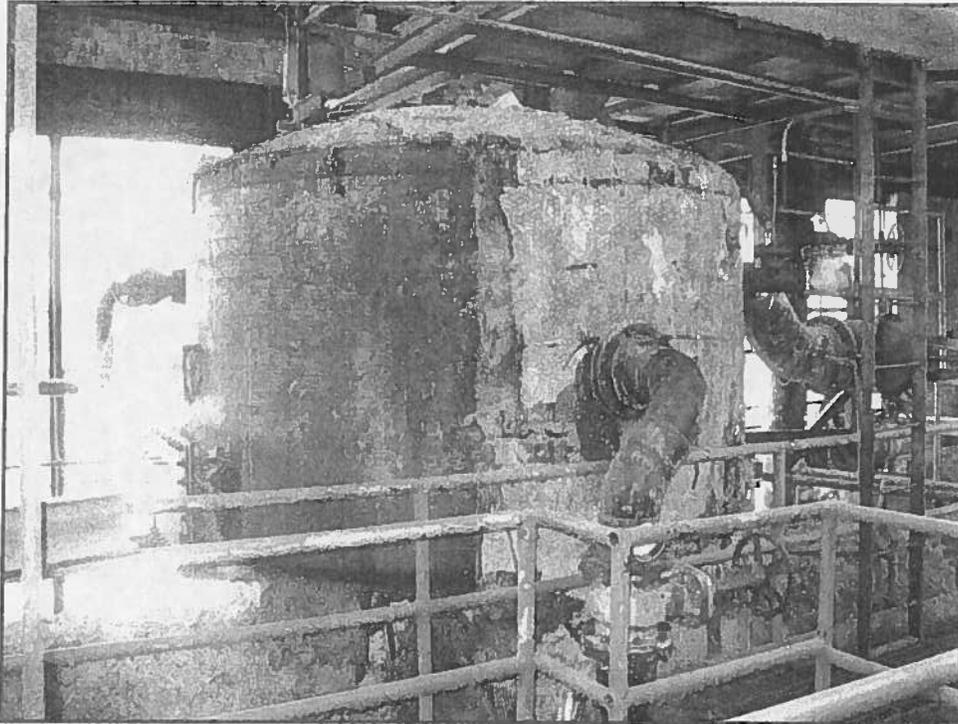
Boiler Room Operating Floor – Typical View of Metal Jacket Over ACM Boiler Insulation



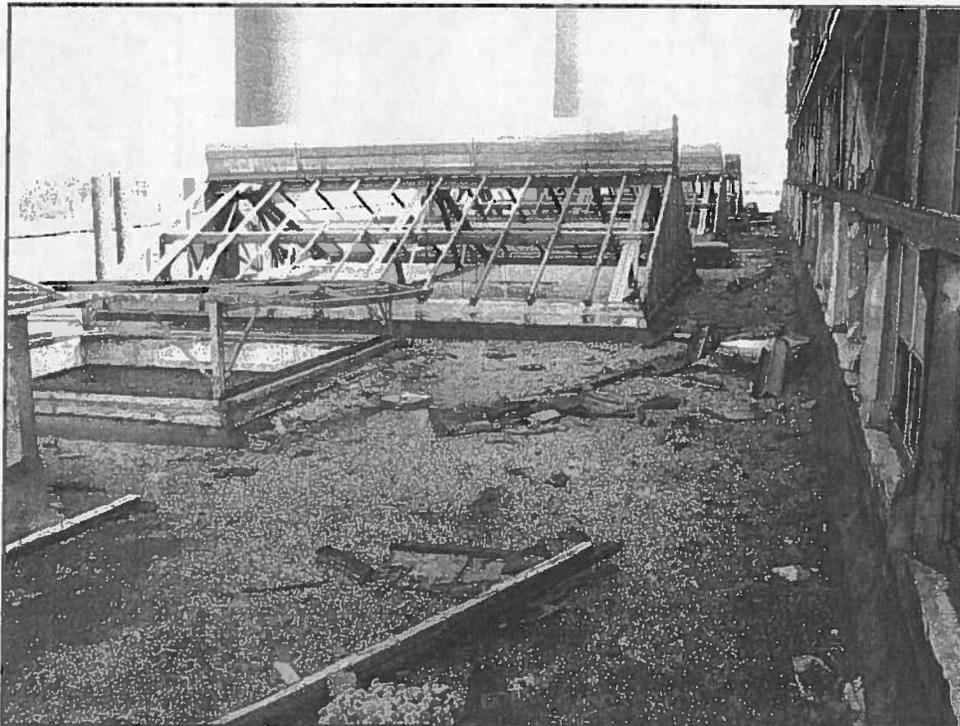
Boiler Room Operating Floor Upper Level – ACM Under Steam Drum Metal Jacket



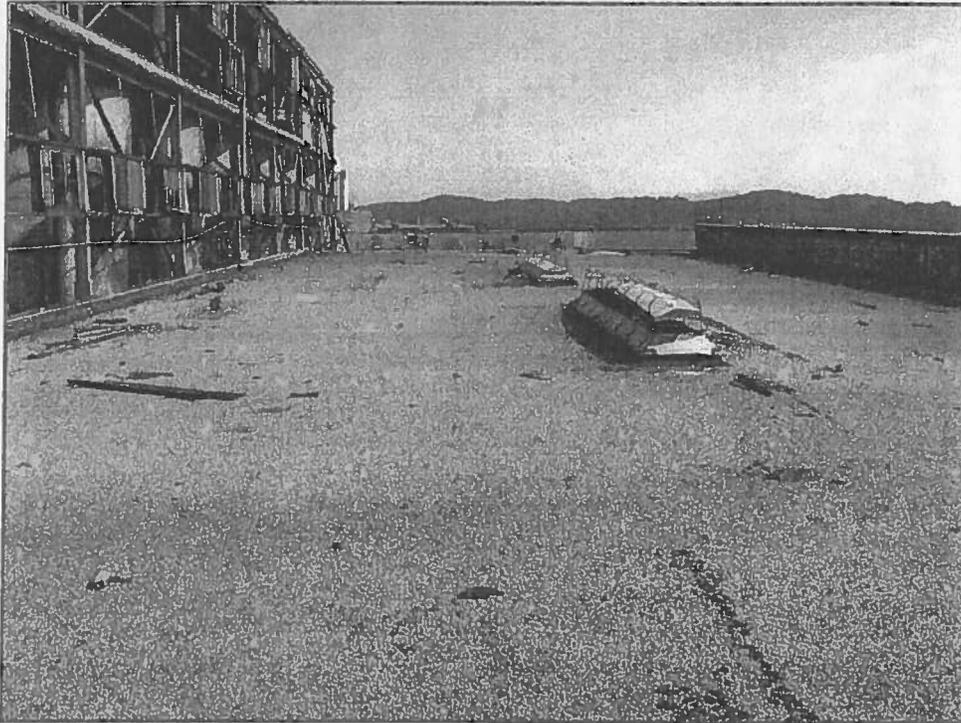
Boiler Room Operating Floor Upper Level – ACM Under Boiler Roof Metal Jacket



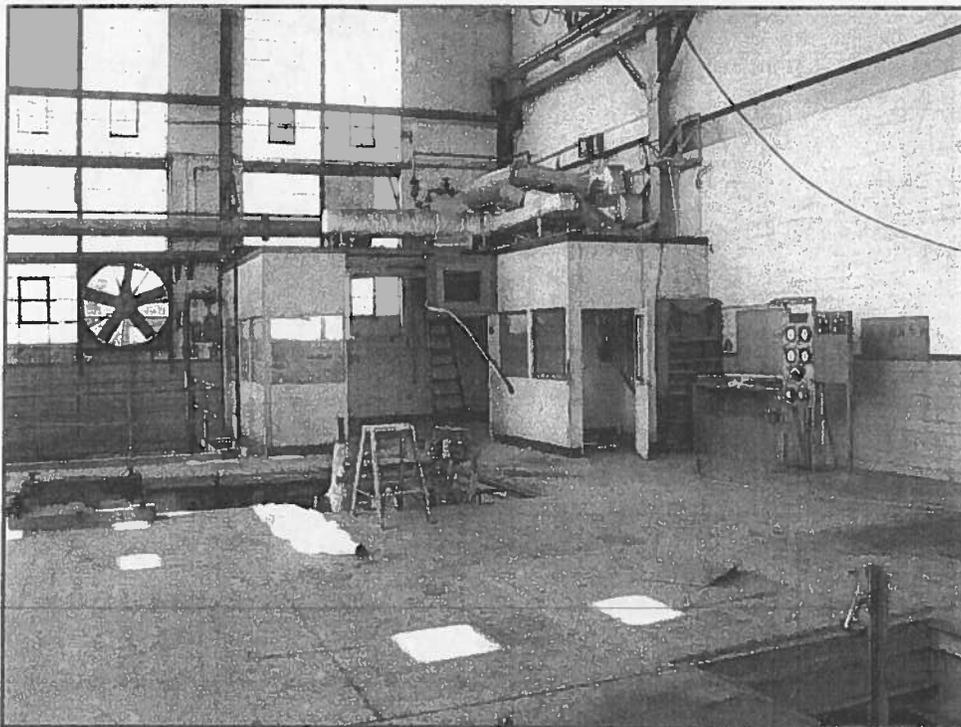
Boiler Room Operating Floor Upper Level – ACM De-Aerator Tank Insulation



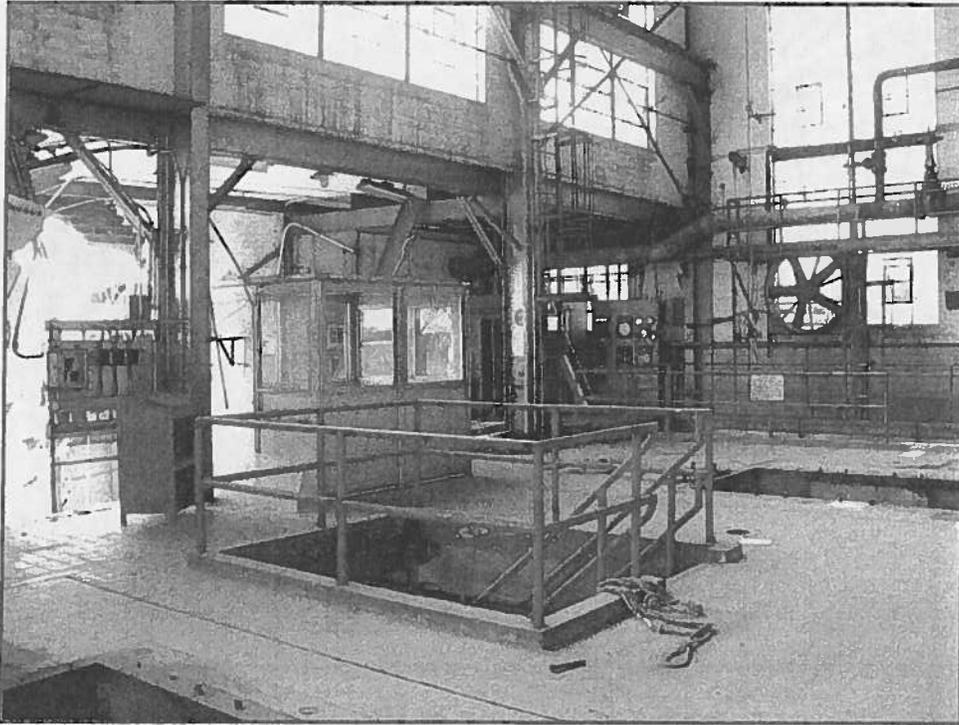
Boiler Room Roof – View of Demolition Debris & ACM Roof Membrane



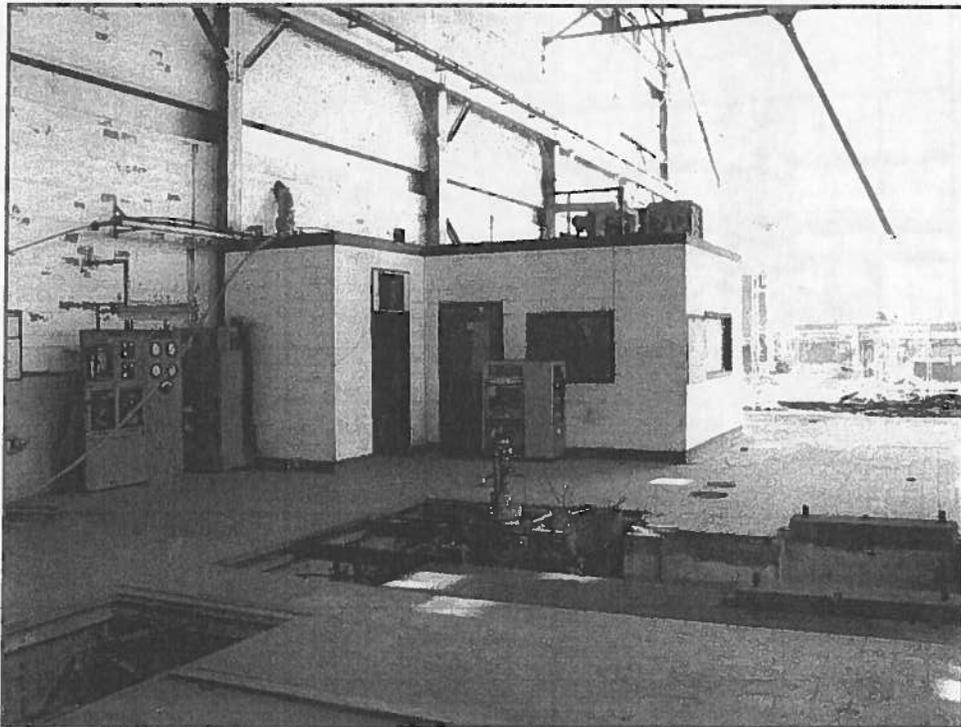
Turbine Room Roof – View of Roof Membrane



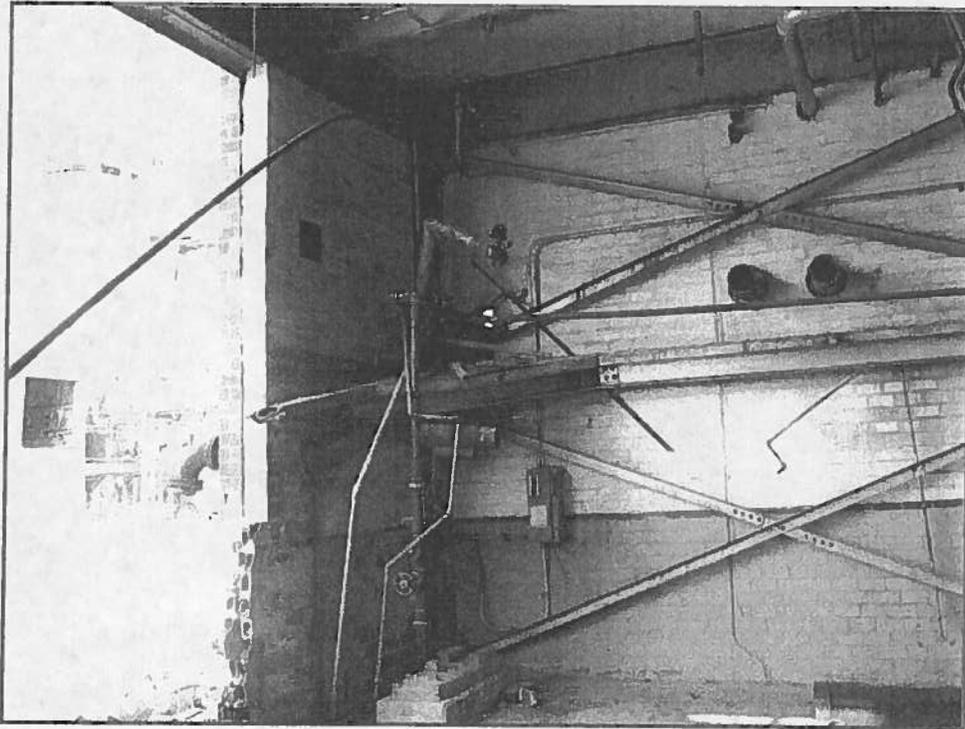
Turbine Room Operating Floor – Northeast View of Office with ACM Floor Tile



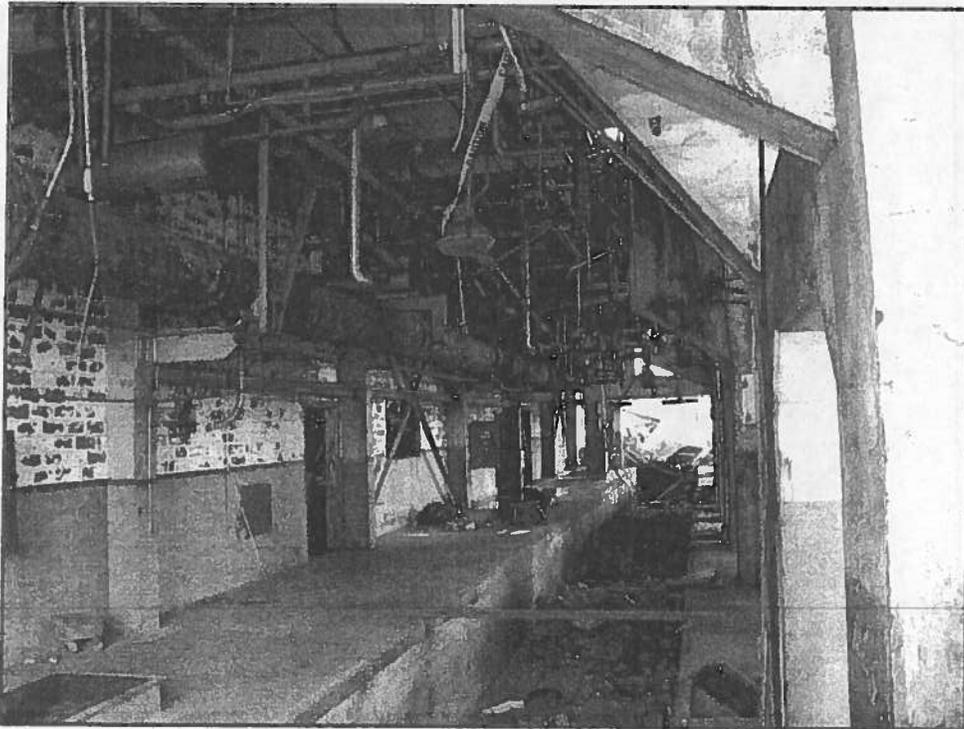
Turbine Room Operating Floor – Northwest View of Lift Well & TSI Debris



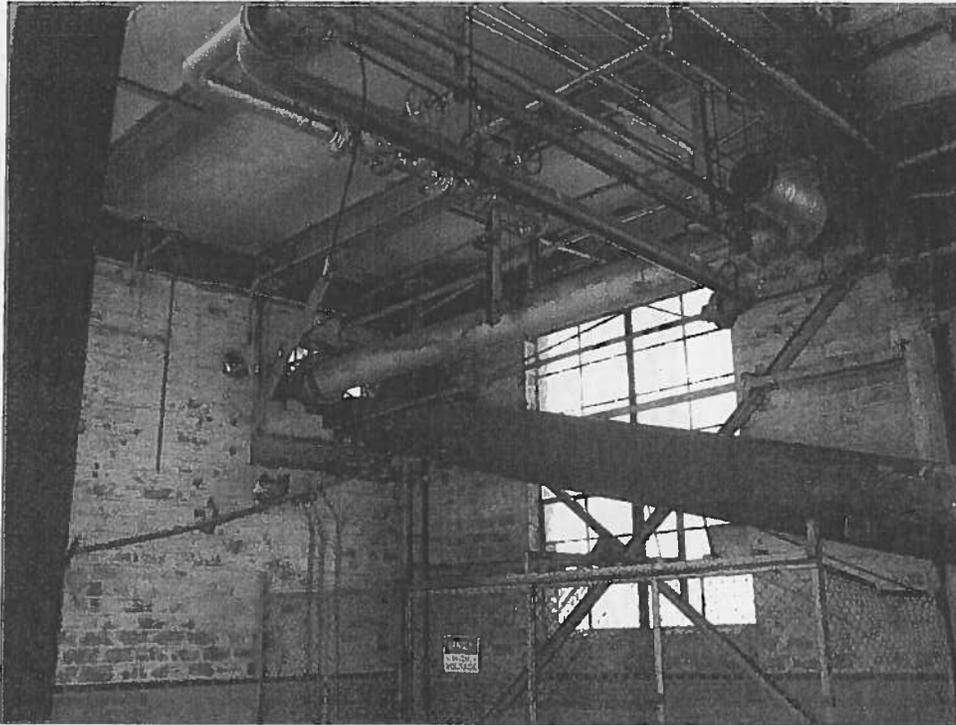
Turbine Room Operating Floor – South View of Offices Containing ACM Flooring



Turbine Room Ground Floor – Northeast Corner ACM Pipe Insulation



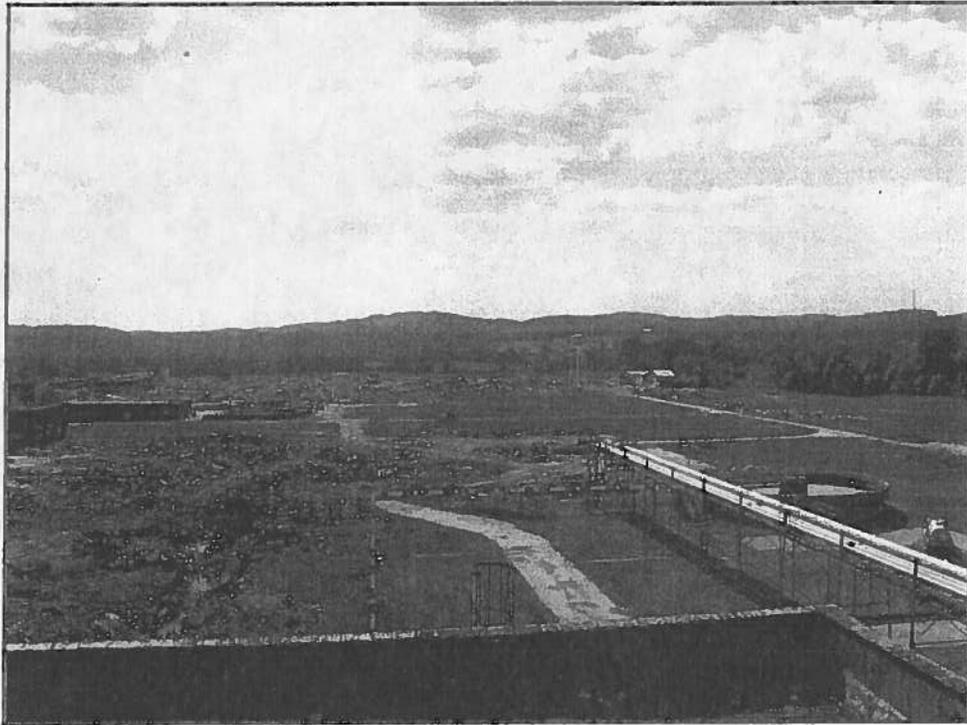
Turbine Room Ground Floor – South View of 24" Steam Line ACM Flange Gasket



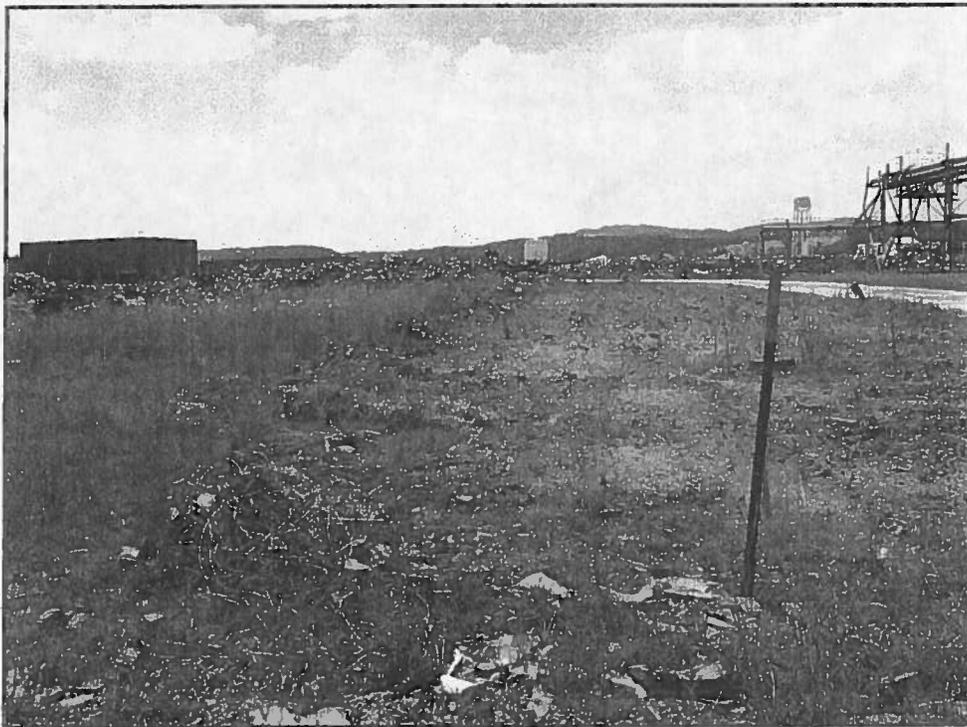
Pump Room Ground Level – Northwest View of ACM Pipe Insulation



Boiler Room Ground Floor – North End Locked Room ACM TSI Debris



West View of Surveyors Line Debris Field Graded Area



West View of Surveyors Line West of Railroad Tracks



East-West Surveyors Line Sample No. DB-01 – Non-friable ACM TSI Mastic Debris



East-West Surveyors Line Sample No. DB-10 – Friable ACM TSI Debris

APPENDIX D

ASBESTOS BULK SAMPLE ANALYSIS SHEETS



EMSL Analytical, Inc

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Customer ID: ACTS51
Customer PO:
Received: 07/07/08 8:35 AM
EMSL Order: 070802606

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Project: Liberty Fibers, Morristown, TN

EMSL Proj:
Analysis Date: 7/11/2008
Report Date: 7/14/2008

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
T1-01 linoleum 070802606-0001	RSF Off White Tile- Control Rm Turbine #1 (W Side)	Brown Non-Fibrous Layers		100% Matrix	None Detected
T1-01 mastic 070802606-0001A	RSF Off White Tile- Control Rm Turbine #1 (W Side)	Brown Non-Fibrous Layers		100% Matrix	None Detected
T1-02 linoleum 070802606-0002	RSF Off White Tile- Control Rm Turbine #1 (W Side)	Brown Non-Fibrous Layers		100% Matrix	None Detected
T1-02 mastic 070802606-0002A	RSF Off White Tile- Control Rm Turbine #1 (W Side)	Brown Non-Fibrous Layers		100% Matrix	None Detected
T1-03 070802606-0003	White Debris @ Lift Well T-1 End	Brown Fibrous Homogeneous		70% Matrix	20% Amosite 10% Chrysotile
T1-04 tile 070802606-0004	12x12 RFT- Black w/Black Mastic- Breakrm NE T1	Black Non-Fibrous Layers		96% Matrix	4% Chrysotile
T1-04 mastic 070802606-0004A	12x12 RFT- Black w/Black Mastic- Breakrm NE T1	Black Non-Fibrous Layers		98% Matrix	2% Chrysotile

Analyst(s)

Anthony Sanzle (318)

Natalia Trunina, Laboratory Manager
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.
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Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
T1-05 tile 070802606-0005	12x12 RFT- Black w/Black Mastic-Breakrm NE T1	Green Non-Fibrous Layers		95% Matrix	5% Chrysotile
T1-05 mastic 070802606-0005A	12x12 RFT- Black w/Black Mastic-Breakrm NE T1	Black Non-Fibrous Layers		98% Matrix	2% Chrysotile
T1-06 070802606-0006	1x1 C/S SAT-Scrolling Pattern W/PH Breakrm NE	Brown Fibrous Homogeneous	40% Cellulose 20% Glass	40% Matrix	None Detected
T1-07 070802606-0007	1x1 C/S SAT-Scrolling Pattern W/PH Breakrm NE	Brown Fibrous Homogeneous	40% Cellulose 20% Glass	40% Matrix	None Detected
T1-08 070802606-0008	1x1 C/S- AT-Course Texture-Office @ Breakrm NE	Brown Fibrous Homogeneous	80% Cellulose	20% Matrix	None Detected
T1-09 070802606-0009	1x1 C/S- AT-Course Texture-Office @ Breakrm NE	Brown Fibrous Homogeneous	80% Cellulose	20% Matrix	None Detected
T1-10 070802606-0010	Cancelled Spine-AT MS- Brown-Off @ Breakrm NE	Brown Non-Fibrous Homogeneous		100% Matrix	

Analyst(s)

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Natalia Trunina, Laboratory Manager
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EMSL Proj:
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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
T1-11 070802606-0011	Cancelled Spline- AT MS- Brown- Off @ Breakrm NE	Brown Non-Fibrous Homogeneous		100% Matrix	None Detected
T1-12 tile 070802606-0012	1x1 RFT- Light Green w/Tan MS- Office @ T3 SE	Green Non-Fibrous Layers		92% Matrix	8% Chrysotile
T1-12 mastic 070802606-0012A	1x1 RFT- Light Green w/Tan MS- Office @ T3 SE	Brown Non-Fibrous Layers		100% Matrix	None Detected
T1-13 tile 070802606-0013	1x1 RFT- Light Green w/Tan MS- Office @ T3 SE	Green Non-Fibrous Layers		92% Matrix	8% Chrysotile
T1-13 mastic 070802606-0013A	1x1 RFT- Light Green w/Tan MS- Office @ T3 SE	Brown Non-Fibrous Layers		100% Matrix	None Detected
T1-14 070802606-0014	2x2 SAT-NDF/PH Debris Office @ T3 SE	Brown Fibrous Homogeneous	40% Cellulose 20% Glass	40% Matrix	None Detected
T1-15 070802606-0015	2x2 SAT-NDF/PH Debris Office @ T3 SE	Brown Fibrous Homogeneous	40% Cellulose 20% Glass	40% Matrix	None Detected
T1-16 joint compound 070802606-0016	DWJC Ceiling DA TA Rm SE @ T-3	Brown Non-Fibrous Layers		100% Matrix	None Detected

Analyst(s)

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
T1-16 drywall 070802606-0016A	DWJC Ceiling DA TA Rm SE @ T-3	Brown Non-Fibrous Layers	30% Cellulose	70% Matrix	None Detected
T1-17 joint compound 070802606-0017	DWJC Ceiling DA TA Rm SE @ T-3	Brown Non-Fibrous Layers		100% Matrix	None Detected
T1-17 drywall 070802606-0017A	DWJC Ceiling DA TA Rm SE @ T-3	Brown Non-Fibrous Layers	30% Cellulose	70% Matrix	None Detected
T1-18 070802606-0018	South Wall (W) Window Putty Grey	Brown Non-Fibrous Homogeneous		100% Matrix	<1% Chrysotile
T1-19 070802606-0019	South Wall (W) Window Putty Grey	Brown Non-Fibrous Homogeneous		100% Matrix	<1% Chrysotile
T1-20 070802606-0020	Window/Brick Black MS Southwall (E)	Brown Non-Fibrous Homogeneous		96% Matrix	4% Chrysotile
T1-21 070802606-0021	Window/Brick Black MS Southwall (E)	Brown Non-Fibrous Homogeneous		93% Matrix	7% Chrysotile
T1-22 070802606-0022	Deck Board Ceiling- Breakrm SE	Brown Non-Fibrous Homogeneous	30% Cellulose	70% Matrix	None Detected

Analyst(s)

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
T1-23 070802606-0023	Deck Board Ceiling- Breakrm SE	Brown Non-Fibrous Homogeneous	30% Cellulose	70% Matrix	None Detected
T1-24 070802606-0024	Deck Filler Material- Breakrm SE	Brown Fibrous Homogeneous	80% Cellulose	20% Matrix	None Detected
T1-25 070802606-0025	Deck Filler Material- Breakrm SE	Brown Fibrous Homogeneous	80% Cellulose	20% Matrix	None Detected
R-01 070802606-0026	Turbine Main Field BUR- North	Black Fibrous Homogeneous	10% Cellulose	80% Matrix	10% Chrysotile
R-02 070802606-0027	Turbine Deck Insulation- North	Brown Fibrous Homogeneous	80% Cellulose	20% Matrix	None Detected
R-03 070802606-0028	Turbine Vapor Barrier- North	Black Fibrous Homogeneous	80% Cellulose	20% Matrix	None Detected
R-04 070802606-0029	Turbine Parapet Flashing- North	Black Fibrous Homogeneous	10% Cellulose	70% Matrix	20% Chrysotile
R-05 070802606-0030	Turbine Mainfield BUR- South	Black Fibrous Homogeneous	10% Cellulose	65% Matrix	25% Chrysotile

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Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
R-06 070802606-0031	Turbine Deck Insulation- South	Brown Fibrous Homogeneous	80% Cellulose	20% Matrix	None Detected
R-07 070802606-0032	Turbine Vapor Barrier- South	Black Fibrous Homogeneous	80% Cellulose	20% Matrix	None Detected
R-08 070802606-0033	Turbine Parapet Flashing- SW	Black Fibrous Homogeneous	10% Cellulose	65% Matrix	25% Chrysotile
R-09 070802606-0034	Pump Room- Main Field BUR- Center	Brown Fibrous Homogeneous	20% Cellulose	55% Matrix	25% Chrysotile
R-10 070802606-0035	Pump Room- Deck Insulation- Center	Brown Fibrous Homogeneous	80% Cellulose	20% Matrix	None Detected
R-11 070802606-0036	Pump Room- Vapor Barrier- Center	Black Fibrous Homogeneous	40% Cellulose	60% Matrix	None Detected
R-12 070802606-0037	Pump Room- Parapet Flashing- North	Brown Fibrous Homogeneous	20% Cellulose	55% Matrix	25% Chrysotile
R-13 070802606-0038	Pump Room- Turbine Wall Flashing- East	Black Fibrous Homogeneous	20% Cellulose	45% Matrix	35% Chrysotile

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
R-14 070802606-0039	Coal Conveyor- Main Field BUR- Center	Black Fibrous Homogeneous	10% Cellulose	50% Matrix	40% Chrysotile
R-15 070802606-0040	Coal Conveyor- Deck Insulation- Center	Brown Fibrous Homogeneous	30% Cellulose	70% Matrix	None Detected
R-16 070802606-0041	Coal Conveyor- Vapor Barrier- Center	Brown Fibrous Homogeneous	40% Cellulose	50% Matrix	10% Chrysotile
R-17 070802606-0042	Coal Conveyor- Light Concrete Edge- South	Brown Fibrous Homogeneous		100% Matrix	None Detected
R-18 070802606-0043	Coal Conveyor- Light Concrete Edge- North	Brown Non-Fibrous Homogeneous		100% Matrix	None Detected
R-19 070802606-0044	Boiler House BUR To Deck- North	Black Fibrous Homogeneous	20% Cellulose	70% Matrix	10% Chrysotile
R-20 070802606-0045	Boiler House BUR To Deck- South	Black Fibrous Homogeneous	20% Cellulose	70% Matrix	10% Chrysotile
R-21 070802606-0046	Boiler House Parapet Flashing East Wall	Black Fibrous Homogeneous	20% Cellulose	60% Matrix	20% Chrysotile

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Table with 7 columns: Sample, Location, Appearance, % Fibrous, % Non-Fibrous, Asbestos % Type. Rows include BG-01 through BG-07 with detailed sample information and results.

Analyst(s)

Anthony Sanale (318)

Handwritten signature

Natalia Trunina, Laboratory Manager
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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
BG-08 070802606-0054	Low/Steam Line @ NE Stairwell- Blue (GD)	Purple Fibrous Homogeneous	10% Cellulose	90% Matrix	None Detected
BG-09 070802606-0055	Low/Steam Line @ NE Stairwell FTG- Blue (GD)	Blue Fibrous Homogeneous	10% Cellulose 10% Glass	80% Matrix	None Detected
BG-10 070802606-0056	Low/Steam Line @ NE Stairwell Before Valv- BI (GD)	Blue Fibrous Homogeneous	10% Cellulose 10% Glass	80% Matrix	None Detected
BG-11 070802606-0057	Low/Steam Line @ NE Stairwell FTG @ Valve- BI (GD)	Purple Fibrous Homogeneous	10% Cellulose 10% Glass	80% Matrix	None Detected
BG-12 070802606-0058	Pump Manifold FTG @ NE Stairs- White	Blue Fibrous Homogeneous		50% Matrix	40% Amosite 10% Chrysotile
BG-13 070802606-0059	Pump Manifold Straight Line @ NE Stairs- White	Brown Fibrous Homogeneous		50% Matrix	40% Amosite 10% Chrysotile
BG-14 070802606-0060	Pump Manifold FTG 3 @ NE Stairs- White	Brown Fibrous Homogeneous		50% Matrix	40% Amosite 10% Chrysotile
BG-15 070802606-0061	8" Pipe #1 Pipe @ Eastwall/NE Stairs- White	Brown Fibrous Homogeneous		50% Matrix	40% Amosite 10% Chrysotile

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Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
BG-16 070802606-0062	8" Pipe #1 FTG @ Eastwall/NE Stairs- White	Brown Fibrous Homogeneous		50% Matrix	50% Chrysotile
BG-17 070802606-0063	6" Pipe #2 FTG @ Eastwall/NE Stairs- White	Brown Fibrous Homogeneous		50% Matrix	50% Chrysotile
BG-18 070802606-0064	6" Pipe #2 Pipe @ Eastwall/NE Stairs- White	Brown Fibrous Homogeneous		50% Matrix	40% Amosite 10% Chrysotile
BG-19 070802606-0065	12" Pipe #3 FTG @ Eastwall/NE Stairs- White	Brown Fibrous Homogeneous		50% Matrix	50% Chrysotile
BG-20 070802606-0066	12" Pipe #3 Pipe @ Eastwall/NE Stairs- White	Brown Fibrous Homogeneous		50% Matrix	40% Amosite 10% Chrysotile
BG-21 070802606-0067	12" Pipe #4 Pipe @ Eastwall/NE Stairs- White	Brown Fibrous Homogeneous		50% Matrix	40% Amosite 10% Chrysotile
BG-22 070802606-0068	12" Pipe #4 FTG @ Eastwall/NE Stairs- White	Brown Fibrous Homogeneous		65% Matrix	30% Amosite 5% Chrysotile
BG-23 070802606-0069	1" Pipe #5 Pipe @ Eastwall/NE Stairs- Pink	Pink Fibrous Homogeneous		50% Matrix	40% Amosite 10% Chrysotile

Analyst(s)

Anthony Sanaie (318)

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
BG-24 070802606-0070	1" Pipe #6 Pipe @ Eastwall/NE Stairs- Pink	Brown Fibrous Homogeneous		50% Matrix	40% Amosite 10% Chrysotile
BG-25 070802606-0071	8" Pipe #7 Pipe @ Eastwall/NE Stairs- White	Brown Fibrous Homogeneous		50% Matrix	40% Amosite 10% Chrysotile
BG-26 070802606-0072	8" Pipe #7 FTG @ Eastwall/NE Stairs- White	Brown Fibrous Homogeneous		60% Matrix	10% Amosite 30% Chrysotile
BG-27 070802606-0073	8" Pipe #8 FTG @ Eastwall/NE Stairs- White	Brown Fibrous Homogeneous		50% Matrix	40% Amosite 10% Chrysotile
BG-28 070802606-0074	8" Pipe #8 Pipe @ Eastwall/NE Stairs- White	Brown Fibrous Homogeneous		50% Matrix	40% Amosite 10% Chrysotile
BG-29 070802606-0075	Airheater Duct #1 @ NE Stair- White Second Layer	White Fibrous Homogeneous		50% Matrix	40% Amosite 10% Chrysotile
BG-30 070802606-0076	Airheater Duct #1 @ NE Stair- Grey Top Layer	Brown Fibrous Homogeneous		65% Matrix	35% Chrysotile
BG-31 070802606-0077	Airheater Duct #2 @ NE Stair- White Second Layer	Brown Fibrous Homogeneous		50% Matrix	40% Amosite 10% Chrysotile

Analyst(s)

Anthony Sanaie (318)

Natalia Trunina, Laboratory Manager
or other approved signatory

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Customer PO:
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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
BG-32 070802606-0078	Airheater Duct #2 @ NE Stair- Grey Top Layer	Brown Fibrous Homogeneous		60% Matrix	40% Chrysotile
BG-33 070802606-0079	Black Glass Rock MS #4 @ Southend	Black Non-Fibrous Homogeneous		65% Matrix	35% Chrysotile
BG-34 070802606-0080	Black Glass Rock MS #4 @ Southend	Black Non-Fibrous Homogeneous		60% Matrix	40% Chrysotile
BG-35 070802606-0081	8" Pipe #3 Pipe @ N Wall @ Men Restroom	Brown Fibrous Homogeneous		60% Matrix	40% Amosite
BG-36 070802606-0082	8" Pipe #2 Pipe @ N Wall @ Men Restroom	Brown Fibrous Homogeneous		50% Matrix	40% Amosite 10% Chrysotile
BG-37 070802606-0083	8" Pipe #3 FTG @ N Wall @ Men Restroom	Brown Fibrous Homogeneous		60% Matrix	20% Amosite 20% Chrysotile
BG-38 070802606-0084	8" Pipe #2 FTG @ N Wall @ Men Restroom	Brown Fibrous Homogeneous		60% Matrix	30% Amosite 10% Chrysotile
BG-39 070802606-0085	1" Pipe #1 Pipe @ N Wall @ Men Restroom	Brown Fibrous Homogeneous		80% Matrix	10% Amosite 10% Chrysotile

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Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
BG-40 070802606-0086	8" Pipe #4 Pipe @ W Wall Running Parralel To W Wall	Brown Fibrous Homogeneous		70% Matrix	20% Amosite 10% Chrysotile
BG-41 070802606-0087	8" Pipe #4 FTG @ W Wall Running Parralel To W Wall	White Fibrous Homogeneous		60% Matrix	30% Amosite 10% Chrysotile
BG-42 070802606-0088	Pulverizer Fan Duct #1- Top Layer	Brown Fibrous Homogeneous		75% Matrix	25% Chrysotile
BG-43 070802606-0089	Pulverizer Fan Duct #1- Bottom Layer	Gray Fibrous Homogeneous		50% Matrix	40% Amosite 10% Chrysotile
BG-44 070802606-0090	Pulverizer #2 Fan Housing Ins. Top Layer	Brown Fibrous Homogeneous		60% Matrix	30% Amosite 10% Chrysotile
BG-45 070802606-0091	Pulverizer #2 Fan Housing Ins. Bottom Layer	Brown Fibrous Homogeneous		60% Matrix	30% Amosite 10% Chrysotile
BG-46 070802606-0092	Pulverizer #3 Fan Gasket	Brown Fibrous Homogeneous		60% Matrix	40% Chrysotile
BG-47 070802606-0093	Pulverizer #4 Fan Gasket	Brown Fibrous Homogeneous		60% Matrix	40% Chrysotile

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Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
BG-48 070802606-0094	Pulverizer #6 Access Door Gasket	Brown Fibrous Homogeneous	40% Glass	60% Matrix	None Detected
BG-49 070802606-0095	ID Fan #1 Flange Gasket	Brown Fibrous Homogeneous		55% Matrix	45% Chrysotile
BG-50 070802606-0096	Asit Hopper #1 Door Gasket	Brown Fibrous Homogeneous		45% Matrix	55% Chrysotile
BG-51 070802606-0097	Asit Hopper #2 Door Gasket	Brown Fibrous Homogeneous		55% Matrix	45% Chrysotile
BG-52 070802606-0098	ASH Hopper #2 Door Panel Refractory	Brown Fibrous Homogeneous		100% Matrix	None Detected
BG-53 070802606-0099	ASH Hopper #1 Door Panel Refractory	Brown Fibrous Homogeneous		100% Matrix	None Detected
BG-54 070802606-0100	ASH Hopper #3 Flange Gasket	Green Non-Fibrous Homogeneous	40% Cellulose	60% Matrix	None Detected
BG-55 070802606-0101	ASH Hopper #3 Door Gasket	Brown Fibrous Homogeneous		55% Matrix	45% Chrysotile

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
BG-56 070802606-0102	ASH Hopper #3 Door Panel Refractory	Brown Non-Fibrous Homogeneous		100% Matrix	None Detected
BG-57 070802606-0103	Pulverizer Fan Housing #6- Gasket	Brown Fibrous Homogeneous		65% Matrix	35% Chrysotile
BG-58 070802606-0104	Pulverizer #6 Fan Housing Debrl	Gray Non-Fibrous Homogeneous	40% Glass	60% Matrix	None Detected
BG-59 070802606-0105	Pulverizer #6 Fan Duct Flange Gasket	Brown Fibrous Homogeneous		60% Matrix	40% Chrysotile
BG-60 070802606-0106	Pulverizer #4 Fan Duct Flange Gasket	Brown Fibrous Homogeneous		50% Matrix	50% Chrysotile
BG-61 070802606-0107	Boiler #3 Dead Air Space Joint Ins. W H and Pack	Brown Non-Fibrous Homogeneous		100% Matrix	None Detected
BG-62 070802606-0108	Boiler #3 Dead Air Space Joint Ins. West Block	Violet Fibrous Homogeneous	10% Glass	90% Matrix	None Detected
BG-63 070802606-0109	Boiler #3 Dead Air Space Joint Ins. East Block	Violet Fibrous Homogeneous	5% Cellulose 5% Glass	90% Matrix	None Detected

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
BG-64 070802606-0110	Boiler #3 Tube Access Port Packing Material East	Brown Fibrous Homogeneous		100% Matrix	None Detected
BG-65 070802606-0111	Boiler #3 Interior Dead Air Space North	Brown Fibrous Homogeneous		60% Matrix	30% Amosite 10% Chrysotile
BG-66 070802606-0112	Boiler #3 Interior Dead Air Space North	Brown Fibrous Homogeneous		65% Matrix	35% Amosite
BG-67 070802606-0113	Boiler #3 Interior Dead Air Space South	Brown Fibrous Homogeneous		50% Matrix	40% Amosite 10% Chrysotile
BG-68 070802606-0114	Boiler #1 Interior Dead Air Space North	Brown Fibrous Homogeneous		50% Matrix	40% Amosite 10% Chrysotile
BG-69 070802606-0115	Condensate Tank @ Northwall Side	Brown Fibrous Homogeneous	10% Cellulose 10% Glass	80% Matrix	None Detected
BG-70 070802606-0116	Condensate Tank @ Northwall End	Brown Fibrous Homogeneous	10% Cellulose 10% Glass	80% Matrix	None Detected
TG-01 070802606-0117	24" Pipe Flange Gasket @ Column HH112	Gray Fibrous Homogeneous		50% Matrix	50% Chrysotile

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Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
TG-02 070802606-0118	10" Silver Pipe NW Corner	Brown Fibrous Homogeneous	20% Cellulose	50% Matrix	30% Chrysotile
TG-03 070802606-0119	1" Pipe NE Corner - Pipe FTG	Gray Fibrous Homogeneous		60% Matrix	40% Chrysotile
TG-04 070802606-0120	1" Pipe Canvas Wrap- NE Corner	Brown Fibrous Homogeneous	40% Cellulose	60% Matrix	None Detected
TG-05 070802606-0121	1" Pipe Canvas Wrap- NE Corner	Brown Fibrous Homogeneous	40% Cellulose	60% Matrix	None Detected
TG-06 070802606-0122	Pipe Ins Debris- Sandwich Board NE Corner	Brown Fibrous Homogeneous	40% Cellulose	50% Matrix	10% Chrysotile
TG-07 070802606-0123	Pipe Ins Debris- White Fibrous NE Corner	Brown Fibrous Homogeneous		60% Matrix	30% Amosite 10% Chrysotile
TG-08 070802606-0124	White Pipe MS @ Column Ln- EE	Brown Non-Fibrous Homogeneous		60% Matrix	40% Chrysotile
TG-09 070802606-0125	White Pipe MS @ Column Ln- EE	Brown Non-Fibrous Homogeneous		60% Matrix	40% Chrysotile

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Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
B1-01 070802606-0126	Boiler #1- East Side Boiler Jacket Ins Under Metal	Brown Fibrous Homogeneous		60% Matrix	30% Amosite 10% Chrysotile
B1-02 070802606-0127	Boiler #1-South Side Boiler Jacket Ins Under Metal	White Fibrous Homogeneous		60% Matrix	40% Amosite
B1-03 070802606-0128	Boiler #1- Muddrum Ins.	Brown Fibrous Homogeneous		50% Matrix	40% Amosite 10% Chrysotile
B1-04 070802606-0129	Boiler #1-North Side Boiler Jacket Ins Under Metal	Brown Fibrous Homogeneous		50% Matrix	40% Amosite 10% Chrysotile
B1-05 070802606-0130	ID Fn #1 Access Panel Gasket	Brown Fibrous Homogeneous		60% Matrix	40% Chrysotile
B1-06 070802606-0131	Airheater #1 Access Door Gasket Boiler #1	Brown Fibrous Homogeneous		60% Matrix	40% Chrysotile
B1-07 070802606-0132	Superheat Refractory East Side Boiler #1	Brown Non-Fibrous Homogeneous		100% Matrix	None Detected
B1-08 070802606-0133	Superheat Refractory West Side Boiler #1	Brown Non-Fibrous Homogeneous		100% Matrix	None Detected

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Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
B1-09 070802606-0134	Superheat Refractory Off Door West Side Boiler #1	Brown Non-Fibrous Homogeneous		100% Matrix	None Detected
B1-10 070802606-0135	Superheat Refractory Off Door East Side Boiler #1	Brown Non-Fibrous Homogeneous		100% Matrix	None Detected
B1-11 070802606-0136	ID Fan #2 Top Layer Ins. North Side	Brown Non-Fibrous Homogeneous	10% Glass	90% Matrix	None Detected
B1-12 070802606-0137	ID Fan #2 Second Layer Ins. North Side	Brown Fibrous Homogeneous	80% Glass	20% Matrix	None Detected
B1-13 070802606-0138	ID Fan #2 Top Layer Ins. South Side	Gray Fibrous Homogeneous	40% Glass	60% Matrix	None Detected
B1-14 070802606-0139	ID Fan #2 Second Layer Ins. South Side	Brown Fibrous Homogeneous		90% Matrix	10% Chrysotile
B1-15 070802606-0140	ID Fan #2 Debris Inside Duct-Blue/White	Brown Fibrous Homogeneous		50% Matrix	40% Amosite 10% Chrysotile

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			% Fibrous	% Non-Fibrous	% Type
B1-16 070802606-0141	ID Fan #3 Outer Ins. @ Access Panel	Brown Fibrous Homogeneous	40% Glass	60% Matrix	None Detected
B1-17 070802606-0142	ID Fan #3 Inner Ins. @ Access Panel	Brown Fibrous Homogeneous	60% Glass	40% Matrix	None Detected
B1-18 070802606-0143	Boiler #2 Steamdrum Ins.	Brown Fibrous Homogeneous		50% Matrix	45% Amosite 5% Chrysotile
B1-19 070802606-0144	Boiler #2 East Side Boiler Jacket Ins	Brown Fibrous Homogeneous		50% Matrix	45% Amosite 5% Chrysotile
B1-20 070802606-0145	Boiler #2 Boiler Door Refractory West Side	Brown Non-Fibrous Homogeneous		100% Matrix	None Detected
B1-21 070802606-0146	Boiler #2 Boiler Door Refractory West Side	Brown Non-Fibrous Homogeneous		100% Matrix	None Detected
B1-22 070802606-0147	Boiler #2 Boiler Door Gasket- Under Superheater E.	Brown Fibrous Homogeneous		60% Matrix	40% Chrysotile
B1-23 070802606-0148	Control Rm Office Westside @ #3 Duct- SAT NDF	Brown Fibrous Homogeneous	40% Cellulose 20% Glass	40% Matrix	None Detected

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Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
B1-24 070802606-0149	Control Rm Office Westside @ #3 Duct- SAT NDF	Brown Fibrous Homogeneous	40% Cellulose 20% Glass	40% Matrix	None Detected
B1-25 070802606-0150	Control Rm Office Westside @ #3 Duct-Tan 12x12 RFT	Brown Non-Fibrous Layers		100% Matrix	None Detected
B1-25A 070802606-0150A	Control Rm Office Westside @ #3 Duct-Tan 12x12 RFT	Black Non-Fibrous Layers		100% Matrix	None Detected
B1-26 070802606-0151	Control Rm Office Westside @ #3 Duct-Tan 12x12 RFT	Brown Non-Fibrous layers		100% Matrix	None Detected
B1-26A 070802606-0151A	Control Rm Office Westside @ #3 Duct-Tan 12x12 RFT	Brown Non-Fibrous Layers		100% Matrix	None Detected
B1-27 070802606-0152	Boiler #3 Steandrum Ins.	Brown Fibrous Homogeneous		60% Matrix	40% Amosite
B1-28 070802606-0153	Superheater Refractory Boiler #3	Brown Non-Fibrous Homogeneous		100% Matrix	None Detected

Analyst(s)

Anthony Sanala (318)

Natalia Trunina, Laboratory Manager
or other approved signatory

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
B1-29 070802606-0154	Superheater Refractory Boiler #3	Brown Non-Fibrous Homogeneous		100% Matrix	None Detected
B1-30 070802606-0155	Boiler #3- Boiler Jacket Ins. @ Superheater	Brown Fibrous Homogeneous		65% Matrix	5% Amosite 30% Chrysotile
B1-31 070802606-0156	Boiler #3- Boiler Jacket Ins. @ Superheater	Brown Fibrous Homogeneous		60% Matrix	10% Amosite 30% Chrysotile
B2-01 070802606-0157	DA Tank Ins. Top Layer- Center	Brown Fibrous Homogeneous	40% Glass	50% Matrix	10% Chrysotile
B2-02 070802606-0158	DA Tank Ins. Second Layer- Center	Brown Fibrous Homogeneous	80% Glass	20% Matrix	None Detected
B2-03 070802606-0159	DA Tank Ins. Top Layer- End	Brown Fibrous Homogeneous	40% Glass	50% Matrix	10% Chrysotile
B2-04 070802606-0160	DA Tank Ins. Second Layer- End	Brown Fibrous Homogeneous	80% Glass	20% Matrix	None Detected
B3-05 070802606-0161	DA Tank Pipe Inlet Patch (Third Level)	Brown Fibrous Homogeneous	23% Glass	70% Matrix	7% Chrysotile

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Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
B3-06 070802606-0162	DA Tank Ins. Top Layer (Third Level)	Brown Fibrous Homogeneous	30% Glass	60% Matrix	10% Chrysotile
B3-07 070802606-0163	DA Tank Ins. Second Layer (Third Level)	Brown Fibrous Homogeneous	80% Glass	20% Matrix	None Detected
B3-08 070802606-0164	Boiler #1- Steamdrum Ins. (Third Level)	Gray Fibrous Homogeneous		50% Matrix	40% Amosite 10% Chrysotile
B3-09 070802606-0165	Boiler #2- Steamdrum Ins. (Third Level)	Brown Fibrous Homogeneous		60% Matrix	30% Amosite 10% Chrysotile
B3-10 070802606-0166	Boiler #3- Steamdrum Packing (Third Level)	Gray Fibrous Homogeneous	40% Glass	60% Matrix	None Detected
B3-11 070802606-0167	Boiler #3- Steamdrum Ins. (Third Level)	Brown Fibrous Homogeneous	25% Glass	40% Matrix	35% Chrysotile
BW-01 070802606-0168	North Wall Window Putty @ Operating Level Stairs	Brown Fibrous Homogeneous		100% Matrix	<1% Chrysotile

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Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
BW-02 070802606-0169	East Wall Window Putty @ Stairs Above Exit Sign	Brown Non-Fibrous Homogeneous		100% Matrix	<1% Chrysotile
BW-03 070802606-0170	Northwest Wall Window Putty @ #5 Boiler Feed Pump	Brown Non-Fibrous Homogeneous		100% Matrix	<1% Chrysotile
WT-01 070802606-0171	Supervisor Office-2x4 SAT DF W/Ph	Brown Fibrous Homogeneous	40% Cellulose 20% Glass	40% Matrix	None Detected
WT-02 070802606-0172	Supervisor Office-2x4 SAT DF W/Ph	Brown Fibrous Homogeneous	40% Cellulose 20% Glass	40% Matrix	None Detected
WT-03 tile 070802606-0173	Supervisor Office-12x12 Off White RFT W/ Tan Ms	Brown Non-Fibrous Layers		100% Matrix	None Detected
WT-03 mastic 070802606-0173A	Supervisor Office-12x12 Off White RFT W/ Tan Ms	Brown Non-Fibrous Layers		100% Matrix	None Detected
WT-04 tile 070802606-0174	Supervisor Office-12x12 Off White RFT W/ Tan Ms	Brown Non-Fibrous Layers		100% Matrix	None Detected
WT-04 mastic 070802606-0174A	Supervisor Office-12x12 Off White RFT W/ Tan Ms	Brown Non-Fibrous Layers		100% Matrix	None Detected

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
WT-05 070802606-0175	Supervisor Office- Tec Board Deck	Brown Fibrous Homogeneous	80% Cellulose	20% Matrix	None Detected
WT-06 070802606-0176	Supervisor Office- Tec Board Deck	Brown Fibrous Homogeneous	80% Cellulose	20% Matrix	None Detected
WT-07 070802606-0177	Locker Bldg- Clock Rm- SAT DF W/Ph	Brown Fibrous Homogeneous	40% Cellulose 20% Glass	40% Matrix	None Detected
WT-08 070802606-0178	Locker Bldg- Clock Rm- SAT DF W/Ph	Brown Fibrous Homogeneous	40% Cellulose 20% Glass	40% Matrix	None Detected
WT-09 070802606-0179	Locker Bldg- Clock Rm- Hw TSI FTG	Gray Fibrous Homogeneous		60% Matrix	30% Amosite 10% Chrysotile
WT-10 070802606-0180	Locker Bldg- Clock Rm- Hw TSI FTG	Gray Fibrous Homogeneous		60% Matrix	30% Amosite 10% Chrysotile
WT-11 070802606-0181	Locker Bldg- Clock Rm- Hw TSI Pipe	Brown Fibrous Homogeneous		60% Matrix	30% Amosite 10% Chrysotile
WT-12 070802606-0182	Locker Bldg- Clock Rm- Hw TSI Pipe	Brown Fibrous Homogeneous		60% Matrix	30% Amosite 10% Chrysotile

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
WT-13 070802606-0183	Locker Bldg- Locker Rm- Hw TSI Pipe	Brown Fibrous Homogeneous		60% Matrix	40% Chrysotile
WT-14 070802606-0184	Locker Bldg- Locker Rm- Hw TSI FTG	Brown Fibrous Homogeneous		60% Matrix	40% Chrysotile
WT-15 070802606-0185	Locker Bldg- Locker Rm- Tech Board Deck	Brown Fibrous Homogeneous	80% Cellulose	20% Matrix	None Detected
WT-16 070802606-0186	Locker Bldg- Clock Rm- Tech Board Deck	Brown Fibrous Homogeneous	80% Cellulose	20% Matrix	None Detected
WT-17 joint compound 070802606-0187	Locker Bldg- Clock Rm- DWJC- SW Corner	Brown Non-Fibrous Layers		95% Matrix	5% Chrysotile
WT-17 drywall 070802606-0187A	Locker Bldg- Clock Rm- DWJC- SW Corner	Brown Non-Fibrous Layers	20% Cellulose	80% Matrix	None Detected
WT-18 joint compound 070802606-0188	Locker Bldg- Clock Rm- DWJC- SE Corner	Brown Non-Fibrous Layers		97% Matrix	3% Chrysotile

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
WT-18 drywall 070802606-0188A	Locker Bldg- Clock Rm- DWJC- SE Corner	Brown Non-Fibrous Layers	20% Cellulose	80% Matrix	None Detected
WT-19 070802606-0189	Supervisor Office- Roof Ms Over Rubber Membrane	Black Non-Fibrous Homogeneous		100% Matrix	None Detected
WT-20 070802606-0190	Supervisor Office- Vapor Barror Under Rubb Memb	Brown Fibrous Homogeneous	40% Cellulose	60% Matrix	None Detected
WT-21 070802606-0181	Supervisor Office- Roof Ms Over Rubber Membrane	Black Non-Fibrous Homogeneous		100% Matrix	None Detected
WT-22 070802606-0192	Supervisor Office- Vapor Barror Under Rubber Memb	Black Fibrous Homogeneous	20% Cellulose	80% Matrix	None Detected
WT-23 070802606-0193	Locker Bldg- Bur Field- North	Black Fibrous Homogeneous	10% Cellulose	70% Matrix	20% Chrysotile
WT-24 070802606-0194	Locker Bldg- Bur Field- South	Black Fibrous Homogeneous	10% Cellulose	65% Matrix	25% Chrysotile
WT-25 070802606-0195	Locker Bldg- Fis- West	Black Fibrous Homogeneous	10% Cellulose	65% Matrix	25% Chrysotile

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
WT-26 070802606-0196	Locker Bldg- Fis-East	Black Fibrous Homogeneous	35% Cellulose	60% Matrix	5% Chrysotile
WT-27 070802606-0197	Locker Bldg- Grey Roof Ms At Drain	Black Fibrous Homogeneous		92% Matrix	8% Chrysotile
WT-28 070802606-0198	Locker Bldg- Grey Roof Ms At HVAC Unit	Black Fibrous Homogeneous		90% Matrix	10% Chrysotile
WT-29 070802606-0199	Water Treatment Bldg- Hot Water Tank #1-Return Val	White Fibrous Homogeneous	10% Cellulose	90% Matrix	None Detected
WT-30 070802606-0200	Water Treatment Bldg- HW Tank #1- Return Pipe	Brown Fibrous Homogeneous		55% Matrix	40% Amosite 5% Chrysotile
WT-31 070802606-0201	Water Treatment Bldg- HW Tank #1- Top Layer	Brown Fibrous Homogeneous	40% Glass	50% Matrix	10% Chrysotile
WT-32 070802606-0202	Water Treatment Bldg- HW Tank #1- Bottom Layer	Brown Fibrous Homogeneous	10% Cellulose 30% Glass	50% Matrix	10% Chrysotile
WT-33 070802606-0203	Water Treatment Bldg- HW Tank #2- Return Valve	White Fibrous Homogeneous	10% Cellulose 10% Glass	80% Matrix	None Detected

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
WT-34 070802606-0204	Water Treatment Bldg- HW Tank #2- Return Pipe	Brown Fibrous Homogeneous		60% Matrix	30% Amosite 10% Chrysotile
WT-35 070802606-0205	Water Treatment Bldg- HW Tank #2- Supply FTG	Brown Fibrous Homogeneous	30% Glass	70% Matrix	None Detected
WT-36 070802606-0206	Water Treatment Bldg- HW Tank #2- Top Layer	Brown Fibrous Homogeneous	10% Cellulose 20% Glass	70% Matrix	None Detected
WT-37 070802606-0207	Water Treatment Bldg- HW Tank #2- Bottom Layer	White Fibrous Homogeneous	10% Cellulose	90% Matrix	None Detected
WT-38 070802606-0208	Water Treatment Bldg- HW Tank #2- Supply Valve	White Fibrous Homogeneous	10% Cellulose	90% Matrix	None Detected
WT-39 070802606-0209	Water Treatment Bldg- HW Tank #3- Top First Layer	Brown Fibrous Homogeneous	10% Cellulose	80% Matrix	10% Chrysotile
WT-40 070802606-0210	Water Treatment Bldg- HW Tank #3- Top Second Layer	Brown Fibrous Homogeneous		70% Matrix	30% Chrysotile

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
WT-41 070802606-0211	Water Treatment Bldg- HW Tank #3- Top Third Layer	Brown Fibrous Homogeneous		50% Matrix	45% Amosite 5% Chrysotile
WT-42 070802606-0212	Water Treatment Bldg- HW Tank #3- Dirty Water FTG	Brown Fibrous Homogeneous		60% Matrix	40% Amosite
WT-43 070802606-0213	Water Treatment Bldg- HW Tank #3- Dirty Water Pipe	Brown Fibrous Homogeneous		55% Matrix	45% Amosite
WT-44 070802606-0214	Water Treatment Bldg- HW Tank #3- Dirty Water Val	White Fibrous Homogeneous	10% Cellulose 10% Glass	80% Matrix	None Detected
WT-45 070802606-0215	Water Treatment Bldg- AF Tank #1- Top Top Layer	Brown Fibrous Homogeneous	10% Cellulose 10% Glass	80% Matrix	None Detected
WT-46 070802606-0218	Water Treatment Bldg- AF Tank #1- Top Second Layer	Brown Fibrous Homogeneous	10% Cellulose 10% Glass	50% Matrix	30% Chrysotile
WT-47 070802606-0217	Water Treatment Bldg- AF Tank #1- Top Bottom Layer	Brown Fibrous Homogeneous		50% Matrix	45% Amosite 5% Chrysotile

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
WT-48 070802606-0218	Water Treatment Bldg- AF Tank #1- Return Pipe	Purple Fibrous Homogeneous	10% Cellulose	90% Matrix	None Detected
WT-49 070802606-0219	Water Treatment Bldg- AF Tank #1- Supply Pipe	Brown Fibrous Homogeneous		50% Matrix	45% Amosite 5% Chrysotile
WT-50 070802606-0220	Water Treatment Bldg- AF Tank #1- Return FTG	Purple Fibrous Homogeneous	10% Glass	90% Matrix	None Detected
WT-51 070802606-0221	Water Treatment Bldg- AF Tank #2- Top Layer	Brown Fibrous Homogeneous		65% Matrix	35% Chrysotile
WT-52 070802606-0222	Water Treatment Bldg- AF Tank #2- Second Layer	Brown Fibrous Homogeneous		65% Matrix	35% Chrysotile
WT-53 070802606-0223	Water Treatment Bldg- AF Tank #2- Third Layer	Brown Fibrous Homogeneous		60% Matrix	40% Amosite
WT-54 070802606-0224	Water Treatment Bldg- AF Tank #2- Supply FTG	Brown Fibrous Homogeneous		60% Matrix	40% Amosite
WT-55 070802606-0225	Water Treatment Bldg- AF Tank #2- Return Pipe	Brown Fibrous Homogeneous		60% Matrix	40% Amosite

Analyst(s)

Anthony Sanaie (318)

Natalia Trunina, Laboratory Manager
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and should not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

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EMSL Proj:
Analysis Date: 7/11/2008
Report Date: 7/14/2008

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
WT-56 070802606-0226	Water Treatment Bldg- AF Tank #3- Return Pipe	Brown	10% Cellulose	80% Matrix	None Detected
		Fibrous Homogeneous	10% Glass		
WT-57 070802606-0227	Water Treatment Bldg- AF Tank #3- Blk Canvas Cover	Brown	10% Cellulose	60% Matrix	30% Chrysotile
		Non-Fibrous Homogeneous			
WT-58 070802606-0228	Water Treatment Bldg- AF Tank #3- Skim Coat	Brown		65% Matrix	35% Chrysotile
		Fibrous Homogeneous			
WT-59 070802606-0229	Water Treatment Bldg- AF Tank #3- Block Ins.	Brown		55% Matrix	45% Amosite
		Fibrous Homogeneous			
WT-60 070802606-0230	Water Treatment Bldg- AF Tank #3- Return FTG	Purple	10% Cellulose	80% Matrix	None Detected
		Fibrous Homogeneous	10% Glass		
WT-61 070802606-0231	Water Treatment Bldg- AF Tank #3- Supply Pipe	Brown		50% Matrix	45% Amosite 5% Chrysotile
		Fibrous Homogeneous			
WT-62 070802606-0232	Water Treatment Bldg- AF Tank #3- Return	Brown		50% Matrix	45% Amosite 5% Chrysotile
		Fibrous Homogeneous			
WT-63 070802606-0233	Water Treatment Bldg- AF Tank #4- Blk Canvas Cover	Brown		60% Matrix	40% Chrysotile
		Fibrous Homogeneous			

Analyst(s)

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
WT-64 070802606-0234	Water Treatment Bldg- AF Tank #4- Skim Coat	Brown Fibrous Homogeneous		60% Matrix	40% Chrysotile
WT-65 070802606-0235	Water Treatment Bldg- AF Tank #4- Block Ins.	Brown Fibrous Homogeneous		55% Matrix	45% Amosite
WT-66 070802606-0236	Water Treatment Bldg- AF Tank #4- Dump Valve FTG	Brown Fibrous Homogeneous		50% Matrix	40% Amosite 10% Chrysotile
WT-67 070802606-0237	Water Treatment Bldg- AF Tank #4- Return Pipe	Purple Fibrous Homogeneous	10% Cellulose 10% Glass	80% Matrix	None Detected
WT-68 070802606-0238	Water Treatment Bldg- 2" FG Jacket	Brown Non-Fibrous Homogeneous	10% Cellulose	90% Matrix	None Detected
WT-69 070802606-0239	Water Treatment Bldg- 4" Return FG Jacket @ Pump	Brown Fibrous Homogeneous	80% Cellulose	20% Matrix	None Detected
WT-70 070802606-0240	Water Treatment Bldg- 3" Line @ Line FG Jacket	Brown Fibrous Homogeneous	40% Cellulose 20% Glass	40% Matrix	None Detected
WT-71 070802606-0241	Water Treatment Bldg- Filter Water Pump Valve Over	Brown Fibrous Homogeneous	37% Glass	60% Matrix	3% Chrysotile

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
WT-72 070802606-0242	Water Treatment Bldg-Eff Line To Hotwell Tank-Pipe	Brown Fibrous Homogeneous		50% Matrix	40% Amosite 10% Chrysotile
WT-73 070802606-0243	Water Treatment Bldg-Eff Line To Hotwell Tank-FTG	Brown Fibrous Homogeneous		50% Matrix	40% Amosite 10% Chrysotile
WT-74 070802606-0244	Water Treatment Bldg- 4" Return FTG @ Pump Station	Brown Fibrous Homogeneous		65% Matrix	35% Chrysotile
WT-75 070802606-0245	Water Treatment Bldg- 3" Supply @ Lime FTG	Brown Fibrous Homogeneous	35% Glass	40% Matrix	25% Chrysotile
WT-76 070802606-0246	Water Treatment Bldg- Dirty Bacwash Pipe	Brown Fibrous Homogeneous	35% Glass	40% Matrix	25% Chrysotile
WT-77 070802606-0247	Water Treatment Bldg- Dirty Bacwash FTG	Brown Fibrous Homogeneous		55% Matrix	40% Amosite 5% Chrysotile
WT-78 070802606-0248	Water Treatment Bldg- Water Storage Tank- Blk Vap	Brown Fibrous Homogeneous		100% Matrix	None Detected

Analyst(s)

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
WT-79 070802606-0249	Water Treatment Bldg- Water Storage Tank- Skim Coa	Brown Fibrous Homogeneous		65% Matrix	35% Chrysotile
WT-80 070802606-0250	Water Treatment Bldg- Water Storage Tank- Top Laye	Brown Non-Fibrous Homogeneous		100% Matrix	None Detected
WT-81 070802606-0251	Water Treatment Bldg- Water Storage Tank- Sec Laye	Black Fibrous Homogeneous		90% Matrix	10% Chrysotile
WT-82 070802606-0252	Water Treatment Bldg- Water Storage Tank- 24" Stem	Brown Fibrous Homogeneous		50% Matrix	45% Amosite 5% Chrysotile
WT-83 070802606-0253	Water Treatment Bldg- Water Storage Tank- Skim Coa	Brown Fibrous Homogeneous		60% Matrix	40% Chrysotile
P-01 070802606-0254	Hot Water Tank- E End Vapor Barrier MS	Black Non-Fibrous Homogeneous		100% Matrix	None Detected

Analyst(s)

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
P-02 070802606-0255	Hot Water Tank- E End Vapor Barrier MS	Black Non-Fibrous Homogeneous		100% Matrix	None Detected
P-03 070802606-0258	Hot Water Tank- Glass Rock Ms	Brown Non-Fibrous Homogeneous		100% Matrix	None Detected
P-04 070802606-0257	Hot Water Tank- Pipe East End (GD)	Brown Fibrous Homogeneous	5% Cellulose 5% Glass	90% Matrix	None Detected
P-05 070802606-0258	Hot Water Tank- Pipe East End	Brown Fibrous Homogeneous	5% Cellulose 5% Glass	90% Matrix	None Detected
P-06 070802606-0259	Hot Water Tank- Pipe East End (FTG)	Brown Fibrous Homogeneous	5% Cellulose 5% Glass	90% Matrix	None Detected
P-07 070802606-0280	12" FTG Under Hot Water Tank- (RD)	Brown Fibrous Homogeneous		85% Matrix	5% Amosite 10% Chrysotile
P-08 070802606-0281	12" Pipe Under Hot Water Tank- (RD)	Brown Fibrous Homogeneous		85% Matrix	5% Amosite 10% Chrysotile
P-09 070802606-0282	8" Line Under Hot Water Tank- (RD)	Purple Fibrous Homogeneous	5% Cellulose 5% Glass	90% Matrix	None Detected

Analyst(s)

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
P-10 070802606-0263	8" Line Under Hot Water Tank FTG-(RD)	Purple Fibrous Homogeneous	5% Cellulose 5% Glass	90% Matrix	None Detected
P-11 070802606-0264	8" Pipe Under Landing W End Of Tank	Various Fibrous Homogeneous		80% Matrix	20% Chrysotile
P-12 070802606-0265	Hotwater Tank-Vapor Barrier West End	Brown Fibrous Homogeneous		75% Matrix	25% Chrysotile
P-13 070802606-0266	Hotwater Tank-Skim Coat West End	Brown Fibrous Homogeneous		65% Matrix	35% Chrysotile
P-14 070802606-0267	Hotwater Tank-White TSI Ms Wrap West End	Gray Non-Fibrous Homogeneous		100% Matrix	None Detected
P-15 070802606-0268	Hotwater Tank-White TSI Ms Wrap West End	Gray Non-Fibrous Homogeneous		100% Matrix	None Detected
P-16 070802606-0269	Hotwater Tank-Drain FTG-Westend- Upper (GD)	Brown Fibrous Homogeneous	5% Cellulose 5% Glass	90% Matrix	None Detected

Analyst(s)

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Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 100%. The above test report states only the items tested and may not be produced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted. This report must not be used to claim product endorsement by NVLAP or any agency, if the U.S. Government.

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
P-17 070802606-0270	Hotwater Tank- Drain FTG- Westend- Lower (GD)	Purple Fibrous Homogeneous	5% Cellulose 5% Glass	90% Matrix	None Detected
P-18 070802606-0271	6" Pipe Upper Landing Westend HW Tank- FTG (GD)	Purple Fibrous Homogeneous	5% Cellulose 5% Glass	90% Matrix	None Detected
P-19 070802606-0272 -	6" Pipe Upper Landing Westend HW Tank- Pipe (GD)	Purple Fibrous Homogeneous	5% Cellulose 5% Glass	90% Matrix	None Detected
P-20 070802606-0273	Upper Landing- FTG To Hw Tank W/Vapor Barrier (WE)	Brown Fibrous Homogeneous	10% Glass	50% Matrix	40% Chrysotile
P-21 070802606-0274	Upper Landing- 10" Pipe FTG Leading To Pipe Rack	Brown Fibrous Homogeneous		100% Matrix	None Detected
P-22 070802606-0275	Upper Landing- 10" Pipe Leading To Pipe Rack	Brown Fibrous Homogeneous		50% Matrix	40% Amosite 10% Chrysotile

Analyst(s)

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
P-23 070802606-0276	Condensate Tank-Northeast Vapor Barrier	Brown Fibrous Homogeneous		70% Matrix	30% Chrysotile
P-24 070802606-0277	Condensate Tank-Northeast Skim Coat	Brown Fibrous Homogeneous	20% Cellulose	80% Matrix	None Detected
P-25 070802606-0278	Condensate Tank-Northeast Block Ins.	Brown Fibrous Homogeneous	5% Cellulose 5% Glass	90% Matrix	None Detected
P-26 070802606-0279	Condensate Tank-Skim Coat-Center-Eastside	Brown Fibrous Homogeneous		100% Matrix	None Detected
P-27 070802606-0280	Condensate Tank-Block Ins.-Center-Eastside	Brown Fibrous Homogeneous	5% Cellulose 5% Glass	90% Matrix	None Detected
P-28 070802606-0281	Condensate Tank-Southeast-Skim Coat & Black Ins	Brown Fibrous Homogeneous	5% Cellulose 5% Glass	90% Matrix	None Detected
P-29 070802606-0282	Condensate Tank-Southeast-Vapor Barrier	Brown Fibrous Homogeneous	5% Cellulose	70% Matrix	25% Chrysotile
P-30 070802606-0283	Condensate Tank-Southeast-Skim Coat	Brown Fibrous Homogeneous	10% Cellulose	90% Matrix	None Detected

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
P-31 070802606-0284	Condensate Tank- Southeast- Block Ins	Brown Fibrous Homogeneous	10% Glass	90% Matrix	None Detected
P-32 070802606-0285	Landing Over Condensate Tank- 2" Pipe SOI Ladder	Brown Fibrous Homogeneous	10% Cellulose	90% Matrix	None Detected
P-33 070802606-0286	Landing Over Condensate Tank- 2" Pipe	Purple Fibrous Homogeneous	5% Cellulose 5% Glass	90% Matrix	None Detected
P-34 070802606-0287	Landing Over Condensate Tank- 2" Pipe FTG	Purple Fibrous Homogeneous	5% Cellulose 5% Glass	90% Matrix	None Detected
P-35 070802606-0288	Landing Over Condensate Tank- 3" Line N. End Tank	Brown Fibrous Homogeneous	5% Cellulose 5% Glass	90% Matrix	None Detected
P-36 070802606-0289	Landing Over Condensate Tank- 3" Pipe N. End Tank	Brown Fibrous Homogeneous		60% Matrix	40% Amosite
P-37 070802606-0290	Landing Over Condensate Tank- 8" Pipe FTG N of Tan	Brown Fibrous Homogeneous	5% Cellulose 5% Glass	90% Matrix	None Detected

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Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
DB-01 070802606-0291	TSI Debris- 4Ft W/ RR Track 4Ft S Of Steak	Black Non-Fibrous Homogeneous		92% Matrix	8% Chrysotile
DB-02 070802606-0292	Silver/Blk Debris- 10Ft W/ RR Track 8Ft S Of Steak	Brown Fibrous Homogeneous	30% Cellulose	70% Matrix	None Detected
DB-03 070802606-0293	Roofing Debris- 15Ft W/ RR Track 10Ft S Of Steak	Black Fibrous Homogeneous		75% Matrix	25% Chrysotile
DB-04 070802606-0294	Silver Lugging Debrl 30Ft W RR Track/12ft S Of Ste	Brown Fibrous Homogeneous		100% Matrix	None Detected
DB-05 070802606-0295	Roofing Debrl 40ft W RR Track/12ft S Of Steak	Brown Fibrous Homogeneous	10% Cellulose 10% Glass	80% Matrix	None Detected
DB-06 070802606-0296	Roofing Debrl 70ft W RR Track/10ft S Of Steak	Brown Fibrous Homogeneous	80% Cellulose	20% Matrix	None Detected
DB-07 070802606-0297	Silver Ms Debris- 75 W RR Track 10ft S Of Steak	Brown Non-Fibrous Homogeneous		98% Matrix	2% Chrysotile
DB-08 070802606-0298	Silver Ms Debris- 85 W RR Track 10ft S Of Steak	Brown Non-Fibrous Homogeneous		98% Matrix	2% Chrysotile

Analyst(s)

Anthony Sanale (318)

Natalia Trunina, Laboratory Manager
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report results apply only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Accreditations: NVLAP Lab Code 101048-1



EMSL Analytical, Inc

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Phone: (770) 956-9150 Fax: (770) 956-9181 Email: atlantalab@emsl.com

Attn: **Mick Roberts**
A.C.T. Services LLC
783 North Clayton Street
Lawrenceville, GA 30045

Fax: (770) 682-4986 Phone: (770) 682-4343
Project: Liberty Fibers, Morristown, TN

Customer ID: ACTS51
Customer PO:
Received: 07/07/08 8:35 AM
EMSL Order: 070802606

EMSL Proj:
Analysis Date: 7/11/2008
Report Date: 7/14/2008

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
DB-09 070802606-0299	Roof Debris- 10Ft W Of Hydrant/5ft S Of Line	Brown Fibrous Homogeneous	20% Cellulose	70% Matrix	10% Chrysotile
DB-10 070802606-0300	Fibrous Roll- 30Ft W Of Hydrant/5ft S Of Line	Brown Fibrous Homogeneous	80% Cellulose	10% Matrix	10% Chrysotile
DB-11 070802606-0301	Fibrous Roll- West Property Line/20ft N Of Road	Brown Fibrous Homogeneous	80% Cellulose	10% Matrix	10% Chrysotile
DB-12 070802606-0302	Roof Debris- West Property Line/70ft N Of Road	Brown Fibrous Homogeneous		70% Matrix	30% Chrysotile
DB-13 070802606-0303	Debris In Locked Room Northend Boiler House	Gray Fibrous Homogeneous		75% Matrix	25% Chrysotile
DB-14 070802606-0304	Debris In Locked Room Northend Boiler House	Brown Fibrous Homogeneous		60% Matrix	40% Chrysotile

Analyst(s)

Anthony Sanaie (318)

Natalia Trunina, Laboratory Manager
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report results only represent what was tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

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APPENDIX E

BULK SAMPLE CHAIN OF CUSTODY



Chain of Custody

Asbestos Lab Services

076502606

EMSL Analytical, Inc.
Suite 228
1800 Water Place
Atlanta, GA 30339
Phone: (770) 956-9150
Fax: (770) 956-9181
<http://www.emsl.com>

Please print all information legibly.

Company: A.C.T. Services, LLC.	Bill To: A.C.T. Services, LLC.
Address1: 783 North Clayton Street	Address1: 783 North Clayton Street
Address2:	Address2:
City/State: Lawrenceville, Georgia	City/State: Lawrenceville, Georgia
Zip/Post Code: 30045	Zip/Post Code: 30045
Country: USA	Country: USA
Contact Name: Mick Roberts	Attn: Mick Roberts
Phone: 770-682-4343	Phone: 770-682-4343
Fax: 770-682-4986	Fax: 770-682-4986
Email: mmickroberts@actsvces.com	Email: mmickroberts@actsvces.com
EMSL Rep: Sheryl Steinmetz	P.O. Number:

Project Name/Number: LIBERTY FIBERS; MORRISTOWN, TN

MATRIX			TURNAROUND			
<input type="checkbox"/> Air	<input type="checkbox"/> Soil	<input type="checkbox"/> Micro-Vac	<input type="checkbox"/> 3 Hours	<input type="checkbox"/> 6 Hours	<input type="checkbox"/> 12 Hours*	<input type="checkbox"/> 24 Hours
<input checked="" type="checkbox"/> Bulk	<input type="checkbox"/> Drinking Water		<input type="checkbox"/> 48 Hours	<input type="checkbox"/> 72 Hours	<input type="checkbox"/> 96 Hours	<input checked="" type="checkbox"/> 120 Hours
<input type="checkbox"/> Wipe	<input type="checkbox"/> Wastewater		<input type="checkbox"/> 144+ hours (6-10 days)			

TEM AIR, 3 hours, 6 hours, Please call ahead to schedule. There is a premium charge for 3-hour tat, please call 1-800-220-3675 for price prior to sending samples. You will be asked to sign an authorization form for this service.

*12 hours (must arrive by 11:00a.m. Mon-Fri.), Please Refer to Price Quote

PCM - Air	TEM Air	TEM WATER
<input type="checkbox"/> NIOSH 7400(A) Issue 2: August 1994	<input type="checkbox"/> AHERA 40 CFR, Part 763 Subpart E	<input type="checkbox"/> EPA 100.1
<input type="checkbox"/> OSHA w/TWA	<input type="checkbox"/> NIOSH 7402	<input type="checkbox"/> EPA 100.2
<input type="checkbox"/> Other:	<input type="checkbox"/> EPA Level II	<input type="checkbox"/> NYS 198.2
PLM - Bulk	TEM BULK	TEM Microvac/Wipe
<input checked="" type="checkbox"/> EPA 600/R-93/116	<input type="checkbox"/> Drop Mount (Qualitative)	<input type="checkbox"/> ASTM D 5755-95 (quantative method)
<input type="checkbox"/> EPA Point Count	<input type="checkbox"/> Chatfield SOP - 1988-02	<input type="checkbox"/> Wipe Qualitative
<input type="checkbox"/> NY Stratified Point Count	<input type="checkbox"/> TEM NOB (Gravimetric) NYS 198.4	
<input type="checkbox"/> PLM NOB (Gravimetric) NYS 198.1	<input type="checkbox"/> EMSL Standard Addition:	<input checked="" type="checkbox"/> XRD
<input type="checkbox"/> NIOSH 9002:		<input type="checkbox"/> Asbestos
<input type="checkbox"/> EMSL Standard Addition:	<input type="checkbox"/> PLM Soil	<input type="checkbox"/> Silica NIOSH 7500
SEM Air or Bulk		
<input type="checkbox"/> Qualitative	<input type="checkbox"/> EPA Protocol Qualitative	<input type="checkbox"/> OTHER
<input type="checkbox"/> Quantitative	<input type="checkbox"/> EPA Protocol Quantitative	
	<input type="checkbox"/> EMSL MSD 9000 Method fibers/gram	



Chain of Custody

Asbestos Lab Services

EMSL Analytical, Inc.
 Suite 228
 1800 Water Place
 Atlanta, GA 30339
 Phone: (770) 956-9150
 Fax: (770) 956-9181
<http://www.emsl.com>

Please print all information legibly.

Client Sample # (s) T1-01 - DB-14 Total Samples #: 304
 Relinquished: M ROBERTS Date: 7/7/08 Time: 0839
 Received: Melvin Date: 7/7/08 Time: 835
 Relinquished: _____ Date: _____ Time: _____
 Received: _____ Date: _____ Time: _____

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	VOLUME (if applicable)
^(T1) T1-01	Powerhouse Turbine Building - Operating Flr. RSF offwhite Tile - Control Room Turbine #1 (westside)	
T1-02	↓ ↓ ↓ ↓ ↓ ↓	
T1-03	white debris @ Lift well T-1 end	
T1-04	12x12 RFT - Black w/Black ms - Breakrm NE T-1	
T1-05	↓ ↓ ↓ ↓ ↓	
T1-06	1x1 12x12 C/S SAT - Scrolling pattern w/PH Breakrm NE	
T1-07	↓ ↓ ↓ ↓	
T1-08	1x1 C/S - AT - Course Texture - office @ Breakrm NE	
T1-09	↓ ↓ ↓ ↓	
T1-10	concealed spline - AT ms - Brown - ↓ ↓ ↓	
T1-11	↓ ↓ ↓ ↓ ↓ ↓	
T1-12	1x1 RFT - Light green w/Tan ms - office @ T-3 SE	
T1-13	↓ ↓ ↓ ↓ ↓ ↓	
T1-14	12x12 SAT - ND/P/PH Debris	
T1-15	↓ ↓ ↓ ↓ ↓ ↓	

Project: LIBRARY FIBERS

Sample No.	Sample Location/Description	Comments
T1-16	DWJC Ceiling DATA RM SE @ T-3	
T1-17	↓ ↓ ↓	
T1-18	South wall (W) window dirty grey	
T1-19	↓ (E) ↓ ↓	
T1-20	Window/Brick Blackms Southwall (E)	
T1-21	↓ ↓ ↓ (W)	
T1-22	Board Ceiling Deck Filler material - Breakrm SE	
T1-23	↓ ↓ ↓ ↓	
T1-24	Deck Filler material - Breakrm SE	
T1-25	↓ ↓ ↓ ↓	
ROOF AREAS		
R-01	TURBINE MAIN FIELD BUR - NORTH	
R-02	↓ - DECK INSULATION - NORTH	
R-03	↓ - VAPOR BARRIER - NORTH	
R-04	↓ - PARAPET FLASHING - NORTH	
R-05	↓ - mainfield Bur - South	
R-06	↓ - DECK INSULATION -	
R-07	↓ - VAPOR BARRIER -	
R-08	↓ - PARAPET FLASHING - SW	
R-09	PUMP ROOM - MAIN FIELD BUR - CTR	
R-10	↓ ↓ - DECK INSULATION -	
R-11	↓ ↓ - VAPOR BARRIER -	
R-12	↓ ↓ - PARAPET FLASHING - NTH	
R-13	↓ ↓ - TURBINE WALL FLASHING - EAST	
R-14	COAL CONVEYOR - MAIN FIELD BUR - CTR	
R-15	↓ ↓ - DECK INSULATION -	
R-16	↓ ↓ - VAPOR BARRIER -	
R-17	↓ ↓ - LIGHT CONCRETE EDGE - SW	
R-18	↓ ↓ ↓ - NTH	

Project: LIBERTY FIBERS

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Sample No.	Sample Location/Description	Comments
R-19	Boiler House Bur to deck North	
R-20	↓ ↓ ↓ ↓ South	
	Parapet f	
R-21	Boiler House Parapet flashing East wall	
	Boiler House E - Ground Level	
BG-01	Condensate Return @ Pump 1 E ^{reversed}	White ins. - (Green dot)
BG-02	Condensate Return @ pump 1	Pink - (GD)
BG-03	↓ ↓ @ pump 1	white - (GD)
BG-04	↓ ↓ @ pump 1	Pink - (GD)
BG-05	↓ FTG @ pump 2	Pink - (GD)
BG-06	↓ FTG @ pump 1	white - (GD)
BG-07	Orange drain line - Blue w/ Gold	by Desuperheater #3
BG-08	Low steam line @ NE stairwell	Blue (GD)
BG-09	↓ ↓ ↓ ↓ ↓ ↓	FTG - Blue (GD)
BG-10	↓ ↓ ↓ ↓ ↓	Before valve - Blue (GD)
BG-11	↓ ↓ ↓ ↓ ↓ ↓	FTG @ Valve - Blue (GD)
BG-12	Pump manifold FTG @ NE stairs	white
BG-13	↓ ↓ Straight line @ ↓ ↓	↓ ↓
BG-14	↓ ↓ FTG #3 @ NE stairs	white
BG-15	8" pipe #1 ^{pipe} @ East wall / NE stairs	white
BG-16	↓ ↓ ↓ FTG ↓ ↓ ↓	↓ ↓
BG-17	6" pipe #2 FTG ↓ ↓ ↓	white
BG-18	↓ ↓ ↓ pipe ↓ ↓ ↓	↓ ↓
BG-19	12" pipe #3 FTG ↓ ↓ ↓	↓ ↓
BG-20	↓ ↓ ↓ pipe ↓ ↓ ↓	↓ ↓
BG-21	↓ ↓ #4 ↓ ↓ ↓ ↓	↓ ↓
BG-22	↓ ↓ ↓ FTG ↓ ↓ ↓	↓ ↓
BG-23	1" pipe #5 pipe ↓ ↓ ↓	Pink
BG-24	↓ ↓ ↓ FTG ↓ ↓ ↓	↓ ↓

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Sample No.	Sample Location/Description	Comments
BG-24	1" pipe #6 pipe @ Eastwall/NE stair	Pink
BG-25	8" pipe #7 pipe @ ↓ ↓ ↓	white
BG-26	↓ ↓ ↓ FTG ↓ ↓ ↓	↓
BG-27	8" pipe #8 FTG ↓ ↓ ↓	↓
BG-28	↓ ↓ ↓ pipe ↓ ↓ ↓	↓
BG-29	Airheater Duct #1 @ NE Stair	white second layer
BG-30	↓ ↓ ↓ ↓ ↓ ↓ ↓	Grey Top Layer
BG-31	↓ ↓ #2 ↓ ↓ ↓ ↓	white second layer
BG-32	↓ ↓ ↓ ↓ ↓ ↓ ↓	Grey @ Top Layer
BG-33	Black Glass Rock ms #4 @ South End	
BG-34	↓ ↓ ↓ ↓ ↓ ↓ ↓	
BG-35	8" pipe #3 pipe @ Northwall @ men Rastrm	
BG-36	8" pipe #3 pipe ↓ ↓ ↓ ↓	
BG-37	↓ ↓ #23 FTG ↓ ↓ ↓ ↓	
BG-38	↓ ↓ #2 ↓ ↓ ↓ ↓ ↓ ↓	
BG-39	1" pipe #1 pipe ↓ ↓ ↓ ↓	
BG-40	8" ↓ #4 pipe @ Westwall running parallel to wall	
BG-41	↓ ↓ ↓ FTG ↓ ↓ ↓ ↓ ↓ ↓	
BG-42	pulverizer Fan Duct #1 - Top Layer	
BG-43	↓ ↓ ↓ ↓ - Bottom Layer	
BG-44	↓ #2 Fan housing ins. Top Layer	
BG-45	↓ ↓ ↓ ↓ ↓ Bottom Layer	
BG-46	↓ #3 Fan Gasket	
BG-47	↓ #4 ↓ ↓	
BG-48	↓ #6 Access door Gasket	
BG-49	ID Fan #1 Flange gasket	
BG-50	Asht Hopper #1 Door Gasket	
BG-51	↓ ↓ #2 ↓ ↓	

Project: LIBERTY FIBERS

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Sample No.	Sample Location/Description	Comments
BG-52	ASH Hopper #2 Door panel refractory	
BG-53	↓ ↓ #1 ↓ ↓ ↓	
BG-54	↓ ↓ #3 Flange Gasket	
BG-55	↓ ↓ ↓ Door Gasket	
BG-56	↓ ↓ ↓ Door panel refractory	
BG-57	Pulverizer Fan Housing #6 - Gasket	
BG-58	↓ #6 ↓ ↓ debris	
BG-59	↓ ↓ Fan Duct Flange Gasket	
BG-60	↓ #4 ↓ ↓ ↓ ↓	
BG-61	Boiler #3 Dead air space Joint ins. ^{West} Handpack (G10)	
BG-62	↓ ↓ ↓ ↓ ↓ ↓ ^{West} Block (G10)	
BG-63	↓ ↓ ↓ ↓ ↓ ↓ East ↓ (G10)	
BG-64	↓ ↓ Tube access port packing material East	
BG-65	↓ ↓ Interior ^{DEAD AIR SPACE} Air Filter Duct North DEAD AIRS	
BG-66	↓ ↓ ↓ ↓ ↓ ↓	
BG-67	↓ ↓ ↓ ↓ ↓ South	
BG-68	Boiler #1 ↓ ↓ ↓ north	
BG-69	Condensate Tank @ North wall side	
BG-70	↓ ↓ ↓ End	
TG	Turbine Ground	
TG-01	24" pipe Flange Gasket @ Column HH112	
TG-02	10" silver pipe NW Corner	
TG-03	1" 10 pipe NE Corner - pipe FTG	
TG-04	1" ↓ Canvas wrap - NE Corner	
TG-05	↓ ↓ ↓ ↓ ↓ ↓	
TG-06	Pipe ins. debris - sandwich board NE corner	
TG-07	↓ ↓ ↓ - white fibrous ↓ ↓	
TG-08	white pipe ins @ Column In - EE	
TG-09	↓ ↓ ↓ ↓ ↓ ↓ ↓	

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Project: LIBERTY FIBERS

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Sample No.	Sample Location/Description	Comments
B1-01	Boiler #1 - East side Boiler Jacket ins. under metal	
B1-02	↓ ↓ - South side ↓	↓ ↓ ↓
B1-03	↓ ↓ - mud drum ins.	
B1-04	↓ ↓ - North side Boiler Jacket ins. under metal	
B1-05	ID Fan #1 Access panel gasket	
B1-06	Airheater #1 Access door gasket Boiler #1	
B1-07	Superheat refractory East side Boiler #1	
B1-08	↓ ↓ West side ↓	
B1-09	Superheat refractory off door west side Boiler #1	
B1-10	↓ ↓ ↓ East side ↓	
B1-11	ID Fan #2 Top layer ins. North side	
B1-12	↓ ↓ ↓ second layer ↓	↓ ↓
B1-13	ID Fan #2 Top layer ↓ South layer side	
B1-14	↓ ↓ Second layer ↓ side	
B1-15	↓ ↓ Debris inside duct - Blue/white	
B1-16	ID Fan #3 Outer ins. @ access panel	
B1-17	↓ ↓ ↓ inner ins. ↓ ↓ ↓	
B1-18	Boiler #2 steam drum ins.	
B1-19	↓ ↓ East side boiler Jacket ins. under metal panel	
B1-20	↓ ↓ Boiler door refractory west side	
B1-21	↓ ↓ ↓ ↓ East side	
B1-22	↓ ↓ Boiler door Gasket - under superheater East side	
B1-23	Control Rm office west side @ #3 duct - SAT NDF	
B1-24	↓ ↓ ↓ ↓ ↓	
B1-25	↓ ↓ ↓ ↓ - Jan 12x12 RFT	
B1-26	↓ ↓ ↓ ↓ ↓ ↓ ↓	
B1-27	Boiler #3 steam drum ins.	
B1-28	Superheater refractory	Boiler #3
B1-29	↓ ↓ ↓	↓

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Project: LIBERTY FIBERS

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Sample No.	Sample Location/Description	Comments
WT-57	Water treatment bldg - AF Tank #3 - ^{Blk}	Canvas Cover
WT-58	↓ ↓ ↓ ↓	- Skim Coat
WT-59	↓ ↓ ↓ ↓	- Block Ins.
WT-60	↓ ↓ ↓ ↓	- return FTG (GD)
WT-61	↓ ↓ ↓ ↓	- Supply pipe (RD)
WT-62	↓ ↓ ↓ ↓	- Return pipe (RD)
WT-63	↓ ↓ ↓ ↓	#4 - Blk Canvas Cover
WT-64	↓ ↓ ↓ ↓	- Skim Coat
WT-65	↓ ↓ ↓ ↓	- Block Ins.
WT-66	↓ ↓ ↓ ↓	- Dump valve FTG
WT-67	↓ ↓ ↓ ↓	- Return pipe (GD)
WT-68	↓ ↓ ↓ ↓	- 2" FG Jacket
WT-69	↓ ↓ ↓ ↓	- 4" Return FG Jacket @ pump station
WT-70	↓ ↓ ↓ ↓	- 3" Line @ Line FG Jacket
WT-71	↓ ↓ ↓ ↓	- Filtered water pump valve over GR
WT-72	↓ ↓ ↓ ↓	- EFFLUENT line to Hotwell tank pipe
WT-73	↓ ↓ ↓ ↓	- FTG
WT-74	↓ ↓ ↓ ↓	- 4" return FTG @ pump station
WT-75	↓ ↓ ↓ ↓	- 3" supply @ Line FTG
WT-76	↓ ↓ ↓ ↓	- Dirty Backwash pipe
WT-77	↓ ↓ ↓ ↓	- FTG
WT-78	↓ ↓ ↓ ↓	- water storage tank - Blk vapor barrier - Grnd
WT-79	↓ ↓ ↓ ↓	- Skim coat over GR - Grnd
WT-80	↓ ↓ ↓ ↓	- Blk Vapor Barrier - Top layer mid level
WT-81	↓ ↓ ↓ ↓	- Blk vapor Barrier - second layer mid level
WT-82	↓ ↓ ↓ ↓	- 24" Steam line @ Top
WT-83	↓ ↓ ↓ ↓	- Skim coat over GR - Grnd

Project: LIBERTY FIBERS

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Sample No.	Sample Location/Description	Comments
P-01	Precip area	
P-01	Hot water tank - East end Vapor Barrier MS	
P-02	↓ ↓ ↓ - ↓ ↓	
P-03	↓ ↓ ↓ - Glass Rock MS	
P-04	↓ ↓ ↓ - pipe East end (GD)	
P-05	↓ ↓ ↓ - pipe East end	
P-06	↓ ↓ ↓ - pipe East end FTG	
P-07	12" FTG under Hot water tank - (RD)	
P-08	12" pipe ↓ ↓ ↓ - (RD)	
P-09	8" Line under ↓ ↓ ↓ - (GD)	
P-10	↓ ↓ ↓ ↓ ↓ ↓ FTG (GD)	
P-11	8" pipe under Landing in end of tank	
P-12	Hot water tank - Vapor barrier west end	
P-13	↓ ↓ ↓ - Skim coat ↓	
P-14	↓ ↓ ↓ - white TSI ms wrap west end	
P-15	↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	
P-16	↓ ↓ ↓ drain FTG - west end - upper (GD)	
P-17	↓ ↓ ↓ ↓ ↓ ↓ ↓ lower (GD)	
P-18	6" pipe upper landing west end Hot tank - FTG (GD)	
P-19	6" pipe ↓ ↓ ↓ ↓ - pipe (GD)	
P-20	upper landing - FTG to Hot tank w/ vapor barrier (we)	
P-21	↓ ↓ - 10" pipe FTG leading to pipe rack (we)	
P-22	↓ ↓ - 10" pipe leading to pipe rack (west end)	
P-23	condensate tank - North end Vapor barrier	
P-24	↓ ↓ - North end Skim coat	
P-25	↓ ↓ - North end Block ins	
P-26	↓ ↓ - Skim coat - Center - East side	
P-27	↓ ↓ - Block ins - Center - ↓ ↓	

Project: LIBERTY FIBERS.

Sample No.	Sample Location/Description	Comments
P-28	Condensate tank - south east - Skim coat 3 Block ins.	
P-29	↓ ↓ - South end - Vapor barrier	
P-30	↓ ↓ - Skim coat	
P-31	↓ ↓ - Block ins.	
P-32	landing over Condensate tank - 2" pipe south of Ladder	
P-33	↓ ↓ ↓ ↓ - 2" pipe from BH to top of Cond. tank (G)	
P-34	↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ - 2" pipe FTG from BH to top of Cond. tank (G)	
P-35	↓ ↓ ↓ ↓ ↓ ↓ - 3" line north end of tank (AD)	
P-36	↓ ↓ ↓ ↓ ↓ ↓ - 3" pipe north end of tank (RD)	
P-37	↓ ↓ ↓ ↓ ↓ ↓ ↓ - 8" FTG ↓ ↓ ↓ ↓ (GD)	
Debris Field - south of Graded area		
DB-01 Roof Shingle debris		
DB-01	TST debris - 4ft w RR track / 4ft S of stack ^{steak}	
DB-02	Silver/BLK debris - 10ft w ↓ ↓ / 8ft ↓ ↓ ↓	
DB-03	Roofing debris - 15ft ↓ ↓ ↓ / 10ft ↓ ↓ ↓	
DB-04	Silver lagging debris 30ft w RR track / 12ft ↓ ↓ ↓	
DB-05	Roofing debris 40ft w RR track / ↓ ↓ ↓ ↓	
DB-06	↓ ↓ - 70ft ↓ ↓ / 10ft ↓ ↓ ↓	
DB-07	Silver ms debris - 75ft ↓ ↓ / ↓ ↓ ↓ ↓	
DB-08	↓ ↓ ↓ - 85ft ↓ ↓ / ↓ ↓ ↓ ↓	
DB-09	Roof debris - 10ft w of hydrant / 5ft S of Line	
DB-10	Fibrous roll - 30ft ↓ ↓ ↓ / ↓ ↓ ↓	
DB-11	↓ ↓ - west property line / 20ft N of road	
DB-12	Roof debris - ↓ ↓ ↓ / 70ft N ↓ ↓	
DB-13	Debris in locked Rm north end Boiler house	
DB-14	↓ ↓ ↓ ↓	

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APPENDIX F

ASBESTOS CERTIFICATION