



NATIONAL
ENVIRONMENTAL
TESTING, INC.

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ONONDAGA COUNTY
DEPARTMENT OF DRAINAGE & SANITATION

SURVEY FOR ASBESTOS-CONTAINING MATERIAL

AT

THE BREWERTON SEWAGE TREATMENT PLANT

SURVEY CONDUCTED ON:

OCTOBER 22 & 24, 1990 & FEBRUARY 4, 1991

REPORT ISSUED:

MARCH 29, 1991

PREPARED BY:

Graham A. Smith

GRAHAM A. SMITH
ASSISTANT INDUSTRIAL HYGIENIST

REVIEWED AND APPROVED BY:

Jean M. O'Neill

JEAN M. O'NEILL, CIH
DIVISION MANAGER- INDUSTRIAL HYGIENE



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PROJECT PERSONNEL

<u>PERSON</u>	<u>TITLE</u>	<u>AFFILIATION</u>
Jean M. O'Neill	Division Manager Industrial Hygiene	NET Atlantic-Syracuse Division
John M. Karanik	Commissioner- Department of Drainage & Sanitation	Onondaga County
Robert Hanley	Head of Operations Brewerton Sewage Treatment Plant	Onondaga County
Graham A. Smith	Assistant Industrial Hygienist	NET Atlantic-Syracuse Division
Brian Mikler	Assistant Industrial Hygienist	NET Atlantic-Syracuse Division
Daniel R. Hoosock	Asbestos Services Manager	NET Atlantic-Syracuse Division
Terrt Covert	Laboratory Analyst	NET Atlantic-Syracuse Division



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INTRODUCTION

In accordance with the request of Mr. John M. Karanik Commissioner - Department of Drainage & Sanitation - Onondaga County, NET Atlantic - Syracuse Division (NET) surveyed the Brewerton Sewage Treatment Plant located on Guy Young Road in Brewerton, New York for asbestos-containing materials (ACM). The survey took place on October 22 & 24, 1990, and February 4, 1991. A total of twenty-one (21) bulk samples (NET sample #'s 28969-28978, 29189-29196, and 13-14) of various materials suspected to contain asbestos were collected and analyzed by NET. The quantity of material found to contain asbestos was estimated and the potential health risk it posed to the public and/or building occupants was assessed. Based on the potential health risk, the ACM was prioritized with respect to the need for remedial response.

Two hundred and twelve (212) square feet of asbestos-containing (AC), white two foot by four foot ceiling tile and eight hundred and seventy (870) linear feet of (AC) roof flashing material was quantified. Brian Mikler and Graham A. Smith conducted all field work with on-going consultation with Daniel R. Hoosock. Mr. John M. Karanik and Mr. Robert Hanley defined the scope of the project and assisted in determining areas of concern. Please be advised that all recommendations made by NET are based on conditions that existed at the time of the survey.

BACKGROUND INFORMATION**HEALTH EFFECTS:**

Asbestos, a naturally occurring fibrous mineral silicate, was used extensively in building products from the early 1900's to the late 1970's. Asbestos was primarily used for thermal and acoustical insulation, fireproofing, and decorative purposes. When these materials deteriorate or are disturbed they may release microscopic fibers into the air. Once airborne, the fibers may remain suspended for extended periods and be readily inhaled by building occupants. Because of their small size and aerodynamic shape the fibers can easily migrate throughout a building via the ventilation system and fluctuating air currents. Extensive medical evidence has shown that the inhalation of asbestos can cause asbestosis, lung cancer, pleural and peritoneal mesothelioma (cancer of the lining of the lungs and stomach, respectively) and gastrointestinal cancer. These diseases have a latency period of between ten (10) and forty (40) years and are usually fatal. The risk of disease is directly related to the amount of exposure (each exposure accumulates in the body). This is referred to as a dose-response relationship. Presently, medical models rely on the data gained from patients exposed to high occupational levels of asbestos fibers. Extrapolations are made to estimate the risk of disease at lower levels. However, there is no evidence of a threshold exposure level below which the risk of cancer is not increased. The

NET

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gravity of this situation has prompted many government agencies to promulgate regulations designed to reduce occupational and environmental exposures to asbestos.

GOVERNMENT REGULATIONS:

Governmental authorities on both the state and federal level have promulgated asbestos regulations. The U.S. Occupational Safety and Health Administration (OSHA) and the U. S. Environmental Protection Agency (EPA) are the major regulators on the federal level.

OSHA has set asbestos regulations for both general industry and the construction industry (see section 29 Code of Federal Regulations (CFR) 1910.1001 and 29 CFR 1926.58, respectively). OSHA is primarily concerned with occupational exposures to asbestos and has established a permissible exposure limit (PEL) of 0.2 fibers per cubic centimeter of air (f/cc) based on an eight (8) hour time weighted average (TWA). An "action level" of 0.1 f/cc for an eight (8) hour TWA, which triggers requirements such as medical surveillance, was also set. The standards also mandate methods of compliance, exposure monitoring, work practices, and record keeping. Separate standards for general industry and the construction industry, including demolition and renovation projects, were developed in recognition of the fact that there are inherent differences between them.

The EPA primarily regulates atmospheric asbestos emissions and asbestos in schools (see 40 CFR Part 61, Subpart M, and 40 CFR Part 763, respectively). In the present case, only 40 CFR Part 61, Subpart M must be considered. These regulations were promulgated under the National Emissions Standards for Hazardous Air Pollutants (NESHAPS). They specify methods for controlling fiber release during mining, milling, manufacturing operations, and demolition projects. EPA notification is required before demolition of facilities containing friable asbestos. Friable material is able to be crushed, crumbled, or otherwise reduced to powder by hand pressure when dry or otherwise non-friable asbestos materials that would be damaged during demolition or renovation to the extent that significant amounts of asbestos fibers would be released to the atmosphere. EPA notification is also required for renovation projects which involve the removal of asbestos materials defined in the NESHAP regulation. Ten (10) day notification prior to the start of a project is required. The regulations also specify methods of transportation and disposal for asbestos containing materials. The NESHAP regulation was recently revised with the Final Rule issued on November 20, 1990.

On the state level, the New York State Department of Labor (DOL) asbestos regulations (see Part 56 of Title 12 NYCRR commonly referred to as Code Rule 56) are designed to protect the public from asbestos exposures. They require training and certification of asbestos handlers, and licensing of asbestos

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abatement contractors. Standard work practices are also specified. DOL notification is required before the initiation of large asbestos projects. Recordkeeping regulations and compliance criteria have also been established. The regulations designate projects which disturb greater than 160 ft.² or 260 linear ft. of ACM as large asbestos abatement projects. Projects involving the disturbance of between 10 ft.² and 160 ft.² or between 25 linear ft. and 260 linear ft. of ACM are designated as small asbestos abatement projects. Projects involving 10 ft.² or less or 25 linear ft. or less are described as minor asbestos projects. The level of regulation is adjusted progressively with each project designation. Recently, the DOL issued several variances to Code Rule 56 (please refer to Applicable Variances (AV) 83 to 93A). The DOL is currently in the process of revising Code Rule 56.

METHODOLOGY

The collection of bulk samples was conducted as follows: After the technician donned appropriate protective equipment, the suspect material was dampened with amended water at the sample location to minimize fiber release. A portion of the material was removed using a coring device or similar implement and placed in a labelled sample container. The sample area was repaired using a spray adhesive and duct tape as needed. In the case of roof sampling, the sample area is repaired with a roof patching kit. An identification label was affixed in the vicinity of the



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sample to mark the area for future reference. The sampling instrument was wiped clean after each sample was taken to prevent cross contamination of samples. All contaminated towels and protective equipment were placed in sealed containers and treated as asbestos-containing waste. Photographs of the areas were taken and the samples were transported to NET for analysis. Each sample was logged in upon arrival.

All bulk samples were analyzed by NET using polarized light microscopy (PLM) according to the EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (40 CFR 763, Vol. 47, No. 103, 5/27/82, Appendix A). According to this method, bulk samples of building materials were first examined for homogeneity and preliminary fiber identification using a low powered stereoscopic binocular microscope. Positive identification of suspect fibers was made using the polarized light microscope. When discrete strata were identified in a sample, each was analyzed and the amount of asbestos was quantified in that layer only. Then the results for each layer were combined to yield an estimate of the asbestos content for the whole sample. Fiber identification required the determination of the following optical properties: morphology, color and pleochroism, refractive index, birefringence, extinction characteristics and sign of elongation. Different asbestos fibers exhibit distinct optical properties. The relative percentages of asbestos and other materials in the sample were based upon the empirical observations of the



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microscopist. Please refer to Appendix B for the Laboratory Analysis Reports.

DISCUSSION

The survey consisted of a thorough inspection of accessible areas at the Brewerton Sewage Treatment Plant. The plant consisted of three buildings (Control, Raw Sewage Pumping Station, and Chemical), four underground galleries (North, South, East, and West) and two access buildings. The West gallery connects with the Control building, while the East gallery connects to the Chemical building. The North and South galleries are connected to the access buildings.

Each building was partitioned into several functional areas. Materials suspected to contain asbestos were then identified and representatively sampled. The quantity of ACM was estimated using measurements taken in the field. It should be noted that typically some of the ACM within a building is either encased, enclosed, obscured, or inaccessible during the time a survey is conducted. Therefore, please be advised that it is unlikely that NET has quantified all ACM within the Brewerton Sewage Treatment Plant.

The assessment of the potential health threat posed by the ACM observed was based on the following criteria:



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- 1) The potential for asbestos fiber release.
- 2) The potential for exposure of building occupants to airborne asbestos fibers.

For example, friable material in poor condition, with a high potential for fiber release, located in an area of high activity, may release fibers and expose building occupants. This situation is considered to pose a high potential health risk. Conversely, non-friable material with little potential for fiber release or exposure is considered to pose little significant health risk. Material which exhibits a mixture of the characteristics used to determine the two extremes above is considered to be a moderate health risk. Each building may be discussed more specifically as follows:

CONTROL BUILDING

The Control Building consists of a garage, control room, blower room, lavatory, and hallway.

The ACM in this building included a total of two hundred and twelve (212) square feet of white, two foot by four foot ceiling tile located in the hallway. At the time the survey was conducted, the ceiling tile was in good condition and unlikely to release asbestos fibers. No ACM was present in the garage, blower room, control room or lavatory.



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Also, a total of four hundred and eighty-four (484) linear feet of AC flashing was quantified on the roof of the Control Building. The material is non-friable and in good condition. Therefore, the material is unlikely to release any asbestos fibers unless disturbed.

RAW SEWAGE PUMP STATION

This building consists of a chlorine storage room, chlorination room, motor control room, and the grit removal room. No ACM was located within the Raw Sewage Pump Station.

A total of two hundred and sixteen (216) linear feet of AC flashing material was located on the roof of the Raw Sewage Pump Station. The material is non-friable and in good condition. Therefore, the material is unlikely to release any asbestos fibers unless disturbed.

CHEMICAL BUILDING

The Chemical Building consists of a garage area, lab, chemical area on the first floor, and a tank storage area on the second floor. No ACM was located within the Chemical Building.

A total of one hundred and seventy (170) linear feet of AC flashing was assumed to be on the roof of the Chemical Building. Access to the roof was hindered because there was no



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exit onto the roof from inside the building, and because of the height of the building. Since the Chemical Building was built at the same time as the other two buildings, the roofing and flashing material are assumed to be the same.

NORTH ACCESS BUILDING

No ACM was located within the North Access Building. Also, no flashing was present on the roof. Only built up roofing material was present.

SOUTH ACCESS BUILDING

No ACM was located within the South Access Building. Also, no flashing was present on the roof. Only built up roofing material was present.

UNDERGROUND GALLERIES

No ACM was located within the underground galleries.

RECOMMENDATIONS

Listed below are four (4) response actions generally available to prevent or limit the release of asbestos fibers from ACM. Please refer to Appendix A for recommendations on remedial measures for specific sites within the Brewerton Sewage Treatment

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Plant:

1) Implementation of an operations and maintenance program (O&M). This response action is a set of standard operating procedures used by in house maintenance personnel which are designed to clean-up fibers previously released and limit future asbestos exposures by instituting preventative measures (ie. personnel training, material repair, special cleaning, etc.).

2) Encapsulation. This response action limits fiber release by chemical means. That is, either a hard impermeable barrier between the material and the environment is created (bridging encapsulant) or the material is penetrated and its fibers are bound together in a hard matrix (penetrating encapsulant).

3) Enclosure. Enclosure of asbestos entails the construction of a permanent, physical, airtight, impermeable barrier between the ACM and the environment using material such as cement block, gypsum board, tongue and groove or spline jointed plywood, etc.

4) Removal. Removal is a process by which ACM is stripped from its underlying substrate in a controlled manner so as to prevent building contamination.



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AREA PRIORITIZATION:

The need to initiate remedial measures was prioritized based on the above hazard assessment. Specifically, abatement of ACM which was assessed as a high potential health risk is considered to be necessary in the very near future and is designated a high priority. Abatement of material which exhibited a relatively moderate potential health threat is considered to be a moderate priority. A low priority designation has been given to material which poses no immediate health risk unless it is disturbed. The viability of each response action has been evaluated for the ACM within the Brewerton Sewage Treatment Plant. Based on this evaluation, it has been determined that the application of an O & M program for the materials identified at the Brewerton Sewage Treatment Plant is most appropriate. (Please refer to Appendix A: Assessment Summary for prioritization of areas.)

The United States Environmental Protection Agency (USEPA) has recently issued a publication addressing Operations and Maintenance programs. This document, Managing Asbestos in Place - A Building Owner's Guide to Operations and Maintenance Programs for Asbestos-Containing Materials (USEPA Publication 20T-2003), may be obtained by writing to the following address:

Environmental Assistance Division
USEPA
TSCA Assistance Information Service



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401 M Street, NW

Washington, DC 20460



Brewerton

APPENDIX A:
ASSESSMENT SUMMARY



Brewerton

ASSESSMENT OF MATERIALS FOUND TO CONTAIN ASBESTOS

LOCATION | MATERIAL | PRIORITY | QUANTITY | RECOMMENDATION

CONTROL BUILDING

15% amosite

HALLWAY WHITE 2 FOOT
BY 4 FOOT
CEILING TILE LOW 212 SQ. FT. O & M

ROOF FLASHING
MATERIAL LOW 484 FEET O & M

RAW SEWAGE
PUMP STATION

ROOF FLASHING
MATERIAL LOW 216 FEET O & M

CHEMICAL BUILDING

ROOF FLASHING
MATERIAL LOW 170 FEET O & M



APPENDIX B:
LABORATORY ANALYSIS REPORTS



APPENDIX C:
BULK SAMPLE DATA



The formula for the calculation of the priority index numbers listed in Appendix C was developed by Princeton Testing Laboratory, Inc. (PTL) at the request of Onondaga County. The numbers are used by Onondaga County only as a planning tool. Onondaga County has requested that NET calculate this priority index number for material that has been identified as ACM by NET.

Please be advised that both NET and Onondaga County recognize that numerical rating systems are of limited usefulness when they are used for the hazard assessment of asbestos-containing materials.



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NET NORTHEAST, INC.

GENERAL INFORMATION BLDGAB: Control FLOOR: First ROOM: Hallway SAMP#: 28968	ACM LABORATORY TEST RESULTS <table border="1"> <thead> <tr> <th>ASBESTOS TYPE</th> <th>LOW%</th> <th>HIGH%</th> <th>AVG%</th> </tr> </thead> <tbody> <tr> <td>CHRYSTOTILE:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>AMOSITE:</td> <td>15</td> <td>15</td> <td>15</td> </tr> <tr> <td>CROCIDOLITE:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td></td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>ASBESTOS TOTAL</td> <td>15</td> <td>15</td> <td>15</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>OTHER MATERIALS</th> <th>LOW%</th> <th>HIGH%</th> <th>AVG%</th> </tr> </thead> <tbody> <tr> <td>FIBROUS GLASS:</td> <td>75</td> <td>75</td> <td>75</td> </tr> <tr> <td>CELLULOSE:</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>UNSPECIFIED:</td> <td>8</td> <td>8</td> <td>8</td> </tr> </tbody> </table>	ASBESTOS TYPE	LOW%	HIGH%	AVG%	CHRYSTOTILE:	0	0	0	AMOSITE:	15	15	15	CROCIDOLITE:	0	0	0		0	0	0	ASBESTOS TOTAL	15	15	15	OTHER MATERIALS	LOW%	HIGH%	AVG%	FIBROUS GLASS:	75	75	75	CELLULOSE:	2	2	2	UNSPECIFIED:	8	8	8
ASBESTOS TYPE	LOW%	HIGH%	AVG%																																						
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SURVEY DATE : 90-10-22 MGR : G. Smith ACM ? : Y (Y OR N)																																									
COMMENTS Sampled from hallway near garage.																																									

LINEAR FEET	0
SQUARE FEET	0

PRIORITY INDEX
776.2500

PHOTO
NOT
AVAILABLE

EXPOSURE FACTOR	
FRIABILITY	M
ACCESSIBLE	M
ACTIVITY	M
CONDITION	G
RESTRICTION	U

OCCUPANCY OF AREA		
EMPLOYEES	5	4 HRS
VISITORS	4	1 HRS
RESIDENTS	0	0 HRS
TOTAL	9	5 HRS



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GENERAL INFORMATION BLDG# : Control FLOOR : First ROOM : Hallway SAMP# : 28969	ACM LABORATORY TEST RESULTS <table border="1"> <tr> <td>ASBESTOS TYPE</td> <td>LOW%</td> <td>HIGH%</td> <td>AVG%</td> </tr> <tr> <td>CHRYSTOTILE:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>AMOSITE:</td> <td>15</td> <td>15</td> <td>15</td> </tr> <tr> <td>CROCIDOLITE:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>ASBESTOS TOTAL</td> <td>15</td> <td>15</td> <td>15</td> </tr> </table> <table border="1"> <tr> <td>OTHER MATERIALS</td> <td>LOW%</td> <td>HIGH%</td> <td>AVG%</td> </tr> <tr> <td>FIBROUS GLASS:</td> <td>75</td> <td>75</td> <td>75</td> </tr> <tr> <td>CELLULOSE:</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>UNSPECIFIED:</td> <td>8</td> <td>8</td> <td>8</td> </tr> </table>	ASBESTOS TYPE	LOW%	HIGH%	AVG%	CHRYSTOTILE:	0	0	0	AMOSITE:	15	15	15	CROCIDOLITE:	0	0	0	ASBESTOS TOTAL	15	15	15	OTHER MATERIALS	LOW%	HIGH%	AVG%	FIBROUS GLASS:	75	75	75	CELLULOSE:	2	2	2	UNSPECIFIED:	8	8	8
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			FLR: N																																		
SURVEY DATE : 90-10-22 MGR : G. Smith ACM ? : Y (Y OR N)																																					
COMMENTS Sampled in hallway near the entrance.																																					

LINEAR FEET	0
SQUARE FEET	0

PRIORITY INDEX
776.2500

PHOTO NOT AVAILABLE

EXPOSURE FACTOR		
FRIABILITY	M	
ACCESSIBLE	M	
ACTIVITY	M	
CONDITION	2	
RESTRICTION	U	

OCCUPANCY OF AREA		
EMPLOYEES	5	4 HRS
VISITORS	4	1 HRS
RESIDENTS	0	0 HRS
TOTAL	9	5 HRS



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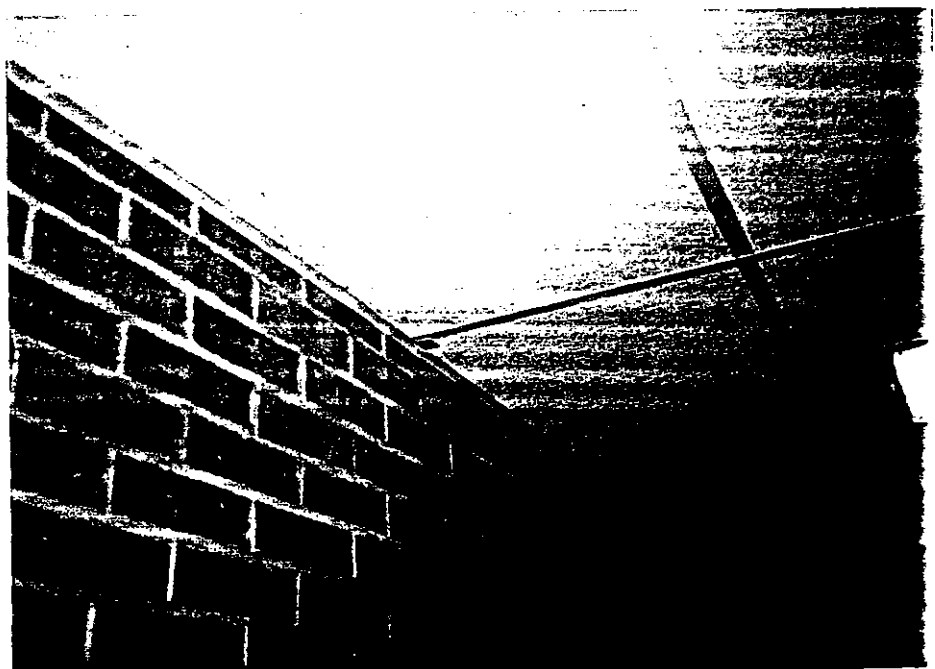
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GENERAL INFORMATION BLDGAB: Control FLOOR: First ROOM: Hallway SAMP#: 28970	ACM LABORATORY TEST RESULTS			
DESCRIPTION: 2 foot by 4 foot ceiling tile.	ASBESTOS TYPE	LOW%	HIGH%	AVG%
SURVEY DATE : 90-10-22 MGR : G. Smith ACM ? : Y (Y OR N)	CHRYBOTILE:	0	0	0
COMMENTS Sampled in hallway near the lavatory.	AMOSITE:	15	15	15
CROCIDLITE:		0	0	0
ASBESTOS TOTAL		15	15	15
OTHER MATERIALS		LOW%	HIGH%	AVG%
FIBROUS GLASS:		75	75	75
CELLULOSE:		2	2	2
UNSPECIFIED:		8	8	8
SAMPLE APPEARANCE		MATERIAL		
HOMOGENOUS: N		FUNCTION APPLICATION		
LAYERS: N		FIREPROOF: N PIPE: N		
FIBROUS: Y		INSULATE: N DUCT: N		
COLOR: White		ACOUSTIC: Y CEIL: Y		
		WALL: N		
		FLR: N		

LINEAR FEET 0 SQUARE FEET 0
PRIORITY INDEX 776.2500

EXPOSURE FACTOR		
FRIABILITY	M	
ACCESSIBLE	M	
ACTIVITY	M	
CONDITION	G	
RESTRICTION	U	
OCCUPANCY OF AREA		
EMPLOYEES	5	4 HRS
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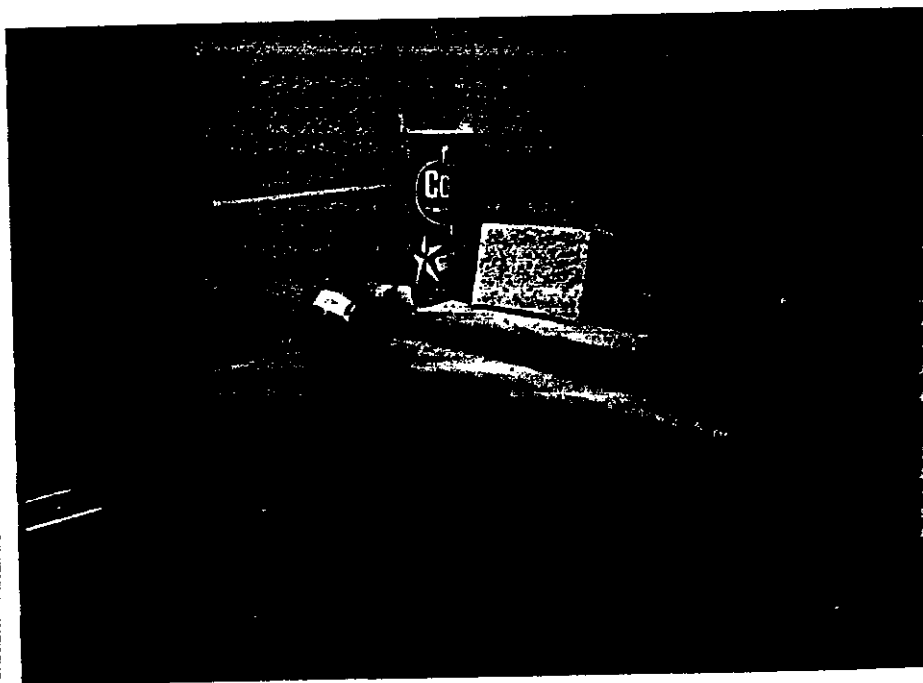
NET NORTHEAST, INC.

GENERAL INFORMATION BLDGAB: Control FLOOR: First ROOM: Lavatory SAMP#: 28971	ACM LABORATORY TEST RESULTS		
DESCRIPTION: Hard pack fitting on F.G. insulated pipe.	ASBESTOS TYPE LOW% HIGH% AVG%		
SURVEY DATE : 90-10-22 MGR : G. Smith ACM ? : N (Y OR N)	CHRYSOTILE: 0 0 0		
COMMENTS	AMOSITE: 0 0 0		
	CROCIDOLITE: 0 0 0		
	ASBESTOS TOTAL 0 0 0		
	OTHER MATERIALS LOW% HIGH% AVG%		
	FIBROUS GLASS: 40 40 40		
	CELLULOSE: 20 20 20		
	UNSPECIFIED: 40 40 40		
	SAMPLE APPEARANCE MATERIAL		
	HOMOGENOUS: N FUNCTION APPLICATION		
	LAYERS: N FIREPROOF: N PIPE: N		
	FIBROUS: Y INSULATE: N DUCT: N		
	COLOR: Tan ACOUSTIC: N CEIL: N		
		WALL: N	
		FLR: N	

LINEAR FEET	0
SQUARE FEET	0

PRIORITY INDEX	0.0000
----------------	--------

EXPOSURE FACTOR		
FRIABILITY	M	
ACCESSIBLE	H	
ACTIVITY	M	
CONDITION	G	
RESTRICTION	U	
OCCUPANCY OF AREA		
EMPLOYEES	5	4 HRS
VISITORS	5	1 HRS
RESIDENTS	0	0 HRS
TOTAL	10	5 HRS





NATIONAL ENVIRONMENTAL TESTING, INC.

NET Northeast, Inc.
5854 Butternut Drive
East Syracuse, NY 13057
Tel: (315) 446-8795
Fax: (315) 449-1611

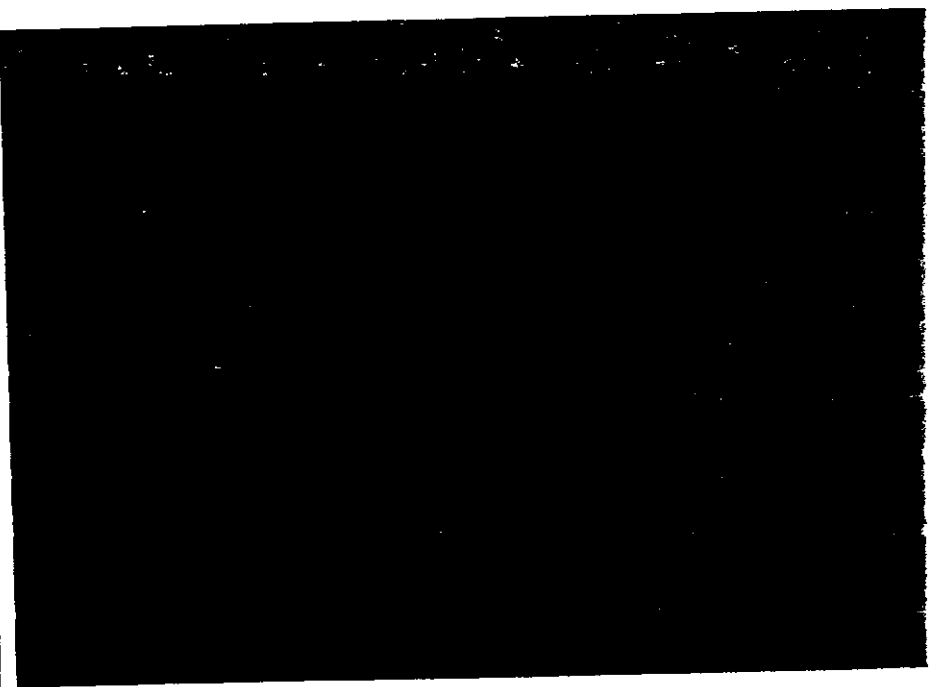
Formerly CS Environmental Laboratory, Inc.

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GENERAL INFORMATION BLDG# : Control FLOOR : First ROOM : Lunch SAMP# : 28972	ACM LABORATORY TEST RESULTS			
DESCRIPTION: white 12 inch by 12 inch ceiling tile.	ASBESTOS TYPE CHRYSOTILE : 0 AMOSITE : 0 CROCIDOLITE : 0 ASBESTOS TOTAL : 0	LOW% 0 0 0 0	HIGH% 0 0 0 0	AVG% 0 0 0 0
SURVEY DATE : 90-10-22 MGR : G. Smith ACM ? : N (Y OR N)	OTHER MATERIALS FIBROUS GLASS : 90 CELLULOSE : 2 UNSPECIFIED : 8			
COMMENTS Lunch Rm. is in the NW corner of garage.	SAMPLE APPEARANCE HOMOGENOUS : N LAYERS : N FIBROUS : Y COLOR : Tan MATERIAL FUNCTION APPLICATION FIREPROOF : N PIPE : N INSULATE : N DUCT : N ACOUSTIC : Y CEIL : Y WALL : N FLR : N			

LINEAR FEET 0 SQUARE FEET 0
PRIORITY INDEX 0.0000

EXPOSURE FACTOR		
FRIABILITY	M	
ACCESSIBLE	M	
ACTIVITY	H	
CONDITION	G	
RESTRICTION	U	
OCCUPANCY OF AREA		
EMPLOYEES	5	10 HRS
VISITORS	5	1 HRS
RESIDENTS	0	0 HRS
TOTAL	10	11 HRS





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NET NORTHEAST, INC.

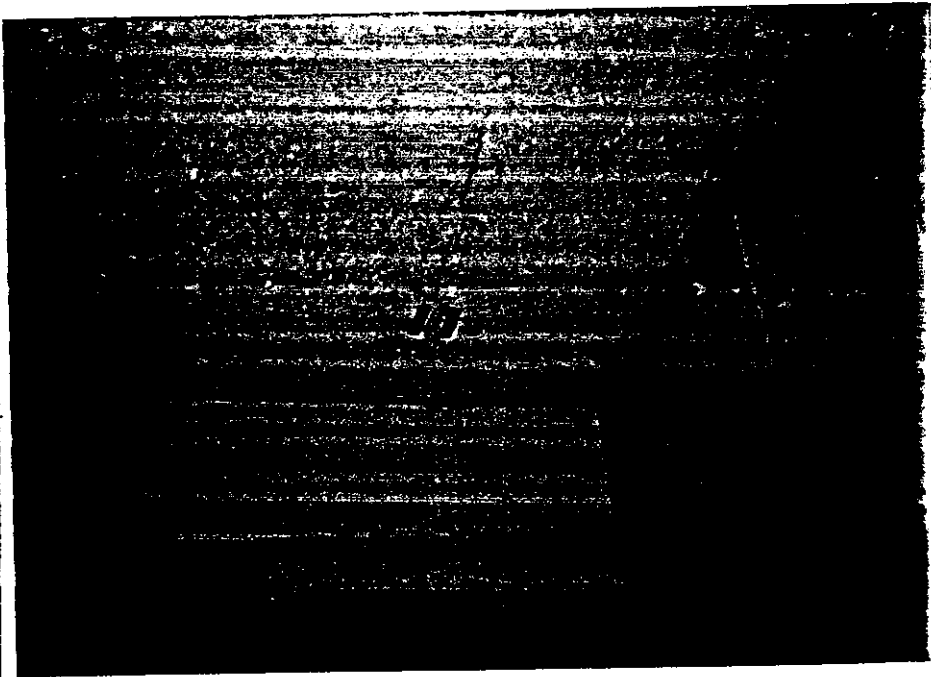
GENERAL INFORMATION SLDGAB: Control FLOOR: First ROOM: Lunch SAMP#: 28973	ACM LABORATORY TEST RESULTS			
DESCRIPTION: White 12 inch by 12 inch ceiling tile.	ASBESTOS TYPE	LOW%	HIGH%	AVG%
SURVEY DATE : 90-10-22 MGR : G. Smith ACM ? : N (Y OR N)	CHRYSOTILE:	0	0	0
COMMENTS Lunch Rm. is in the NW corner of garage.	AMOSITE:	0	0	0
	CROCIDOLITE:	0	0	0
	ASBESTOS TOTAL	0	0	0
	OTHER MATERIALS	LOW%	HIGH%	AVG%
	FIBROUS GLASS:	90	90	90
	CELLULOSE:	2	2	2
	UNSPECIFIED:	8	8	8
	SAMPLE APPEARANCE	MATERIAL		
	HOMOGENOUS: N	FUNCTION APPLICATION		
	LAYERS: N	FIREPROOF: N PIPE: N		
	FIBROUS: Y	INSULATE: N DUCT: N		
	COLOR: Tan	ACOUSTIC: Y CEIL: Y		
		WALL: N		
		FLR: N		

LINEAR FEET	0
SQUARE FEET	0

PRIORITY INDEX	0.0000
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EXPOSURE FACTOR		
FRIABILITY	M	
ACCESSIBLE	M	
ACTIVITY	H	
CONDITION	G	
RESTRICTION	U	

OCCUPANCY OF AREA		
EMPLOYEES	5	10 HRS
VISITORS	5	1 HRS
RESIDENTS	0	0 HRS
TOTAL	10	11 HRS





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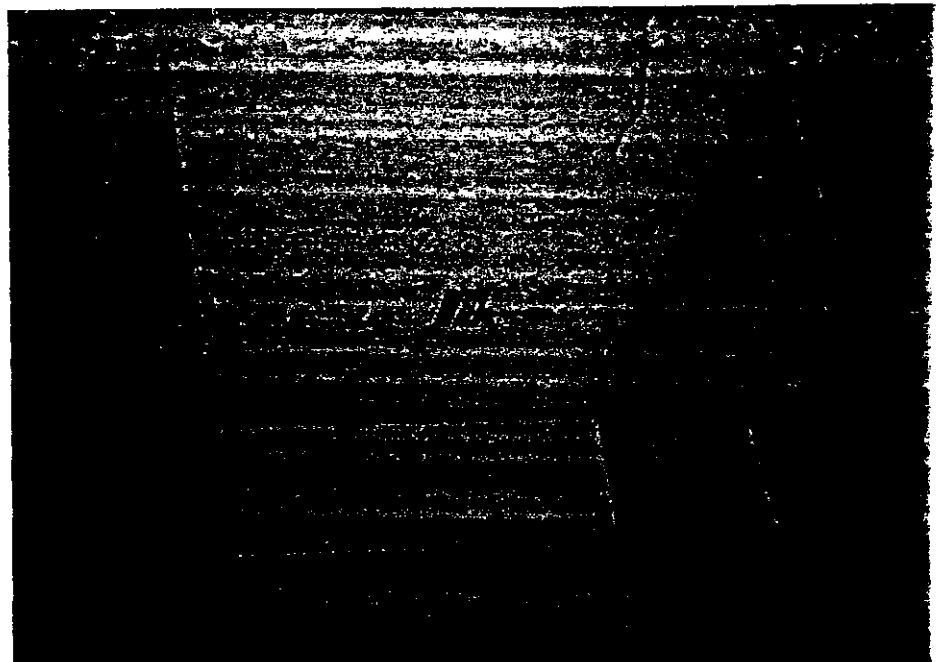
NET NORTHEAST, INC.

GENERAL INFORMATION BLDG#B: Control FLOOR: First ROOM: Lunch SAMP#: 28974	ACM LABORATORY TEST RESULTS <table border="1"> <thead> <tr> <th>ASBESTOS TYPE</th> <th>LOW%</th> <th>HIGH%</th> <th>AVG%</th> </tr> </thead> <tbody> <tr> <td>CHRYSOTILE:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>AMOSITE:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>CROCIDOLITE:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>ASBESTOS TOTAL</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>OTHER MATERIALS</th> <th>LOW%</th> <th>HIGH%</th> <th>AVG%</th> </tr> </thead> <tbody> <tr> <td>FIBROUS GLASS:</td> <td>90</td> <td>90</td> <td>90</td> </tr> <tr> <td>CELLULOSE:</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>UNSPECIFIED:</td> <td>8</td> <td>8</td> <td>8</td> </tr> </tbody> </table>	ASBESTOS TYPE	LOW%	HIGH%	AVG%	CHRYSOTILE:	0	0	0	AMOSITE:	0	0	0	CROCIDOLITE:	0	0	0	ASBESTOS TOTAL	0	0	0	OTHER MATERIALS	LOW%	HIGH%	AVG%	FIBROUS GLASS:	90	90	90	CELLULOSE:	2	2	2	UNSPECIFIED:	8	8	8
ASBESTOS TYPE	LOW%	HIGH%	AVG%																																		
CHRYSOTILE:	0	0	0																																		
AMOSITE:	0	0	0																																		
CROCIDOLITE:	0	0	0																																		
ASBESTOS TOTAL	0	0	0																																		
OTHER MATERIALS	LOW%	HIGH%	AVG%																																		
FIBROUS GLASS:	90	90	90																																		
CELLULOSE:	2	2	2																																		
UNSPECIFIED:	8	8	8																																		
DESCRIPTION: White 12 inch by 12 inch ceiling tile.	<table border="1"> <thead> <tr> <th>SAMPLE APPEARANCE</th> <th>MATERIAL</th> </tr> </thead> <tbody> <tr> <td>HOMOGENOUS: N</td> <td>FUNCTION APPLICATION</td> </tr> <tr> <td>LAYERS: N</td> <td>FIREPROOF: N PIPE: N</td> </tr> <tr> <td>FIBROUS: Y</td> <td>INSULATE: N DUCT: N</td> </tr> <tr> <td>COLOR: Tan</td> <td>ACOUSTIC: Y CEIL: Y</td> </tr> <tr> <td></td> <td>WALL: N</td> </tr> <tr> <td></td> <td>FLR: N</td> </tr> </tbody> </table>	SAMPLE APPEARANCE	MATERIAL	HOMOGENOUS: N	FUNCTION APPLICATION	LAYERS: N	FIREPROOF: N PIPE: N	FIBROUS: Y	INSULATE: N DUCT: N	COLOR: Tan	ACOUSTIC: Y CEIL: Y		WALL: N		FLR: N																						
SAMPLE APPEARANCE	MATERIAL																																				
HOMOGENOUS: N	FUNCTION APPLICATION																																				
LAYERS: N	FIREPROOF: N PIPE: N																																				
FIBROUS: Y	INSULATE: N DUCT: N																																				
COLOR: Tan	ACOUSTIC: Y CEIL: Y																																				
	WALL: N																																				
	FLR: N																																				
SURVEY DATE : 90-10-22 MGR : G. Smith ACM ? : N (Y OR N)																																					
COMMENTS Lunch Rm. is in the NW corner of garage.																																					

LINEAR FEET	0
SQUARE FEET	0

PRIORITY INDEX	0.0000
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EXPOSURE FACTOR		
FRIABILITY	M	
ACCESSIBLE	M	
ACTIVITY	H	
CONDITION	G	
RESTRICTION	U	
OCCUPANCY OF AREA		
EMPLOYEES	5	10 HRS
VISITORS	5	1 HRS
RESIDENTS	0	0 HRS
TOTAL	10	11 HRS





NATIONAL ENVIRONMENTAL TESTING, INC.

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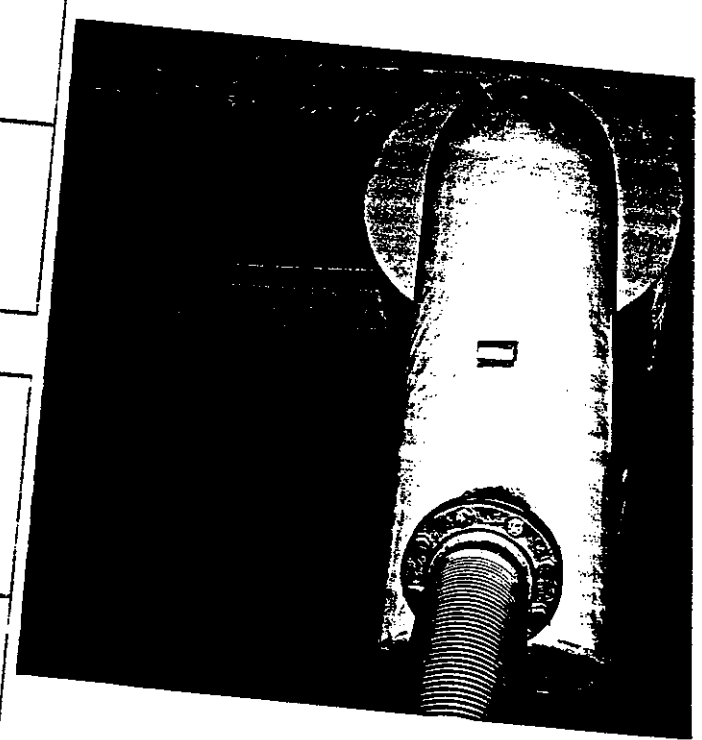
Formerly CS Environm

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GENERAL INFORMATION BLDGAB: Control FLOOR: First ROOM: Garage SAMP#: 28975	ACM LABORATORY TEST RESULT ASBESTOS TYPE CHRYSOTILE: LOW% HI AMOSITE: 0 CROCIDOLITE: 0 ASBESTOS TOTAL: 0 OTHER MATERIALS FIBROUS GLASS: LOW% HIGH CELLULOSE: 85 85 UNSPECIFIED: 10 10 5 5
GENERAL INFO BLDGAB: C: FLOOR: F: ROOM: G: SAMP#: 2	DESCRIPTION: Generator exhaust breaching.
SURVEY DATE: 90-10-22 MGR: G. Smith	ACM ? : N (Y OR N)
COMMENTS	SAMPLE APPEARANCE HOMOGENOUS: N LAYERS: N FIBROUS: Y COLOR: Tan MA FUNCTION FIREPROOF INSULATE: ACOUSTIC:

LINEAR FEET 0 SQUARE FEET 0
PRIORITY INDEX 0.0000

EXPOSURE FRIABLE ACCESSIBLE ACTIVITY CONDITION RESTRICTION	EXPOSURE FACTOR FRIABILITY M ACCESSIBLE M ACTIVITY H CONDITION G RESTRICTION U
OCCUPANCY OF AREA EMPLOYEES 5 VISITORS 5 RESIDENTS 0 TOTAL 10	10 HRS 1 HRS 0 HRS 11 HRS





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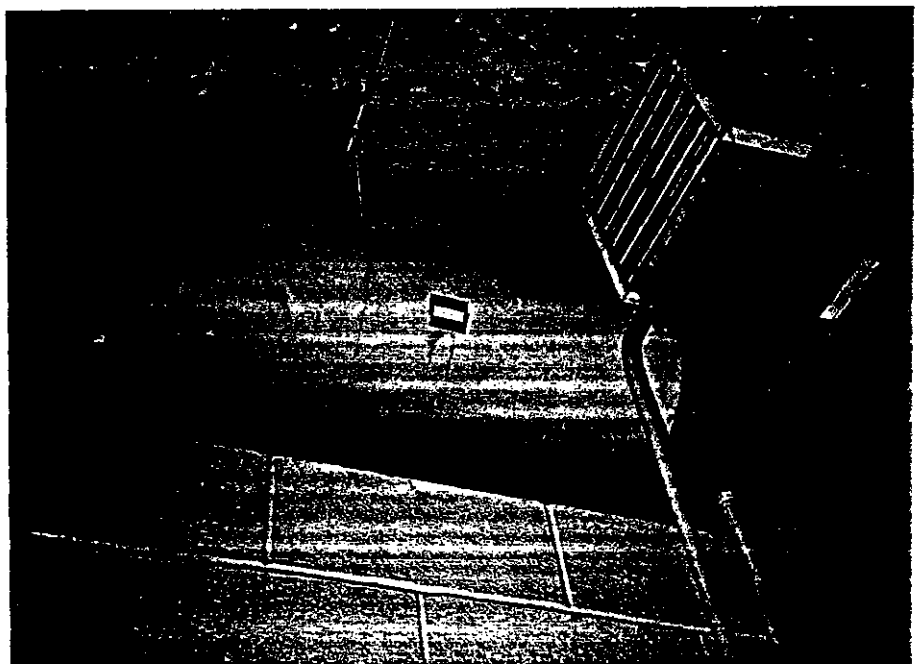
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NET NORTHEAST, INC.

GENERAL INFORMATION BLDGAB: Control FLOOR: First ROOM: Garage SAMP#: 28977	ACM LABORATORY TEST RESULTS <table border="1"> <thead> <tr> <th>ASBESTOS TYPE</th> <th>LOW%</th> <th>HIGH%</th> <th>AVG%</th> </tr> </thead> <tbody> <tr> <td>CHRYSTOLE:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>AMOSITE:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>CROCIDOLITE:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>ASBESTOS TOTAL</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>OTHER MATERIALS</th> <th>LOW%</th> <th>HIGH%</th> <th>AVG%</th> </tr> </thead> <tbody> <tr> <td>FIBROUS GLASS:</td> <td>85</td> <td>85</td> <td>85</td> </tr> <tr> <td>CELLULOSE:</td> <td>10</td> <td>10</td> <td>10</td> </tr> <tr> <td>UNSPECIFIED:</td> <td>5</td> <td>5</td> <td>5</td> </tr> </tbody> </table>	ASBESTOS TYPE	LOW%	HIGH%	AVG%	CHRYSTOLE:	0	0	0	AMOSITE:	0	0	0	CROCIDOLITE:	0	0	0	ASBESTOS TOTAL	0	0	0	OTHER MATERIALS	LOW%	HIGH%	AVG%	FIBROUS GLASS:	85	85	85	CELLULOSE:	10	10	10	UNSPECIFIED:	5	5	5
ASBESTOS TYPE	LOW%	HIGH%	AVG%																																		
CHRYSTOLE:	0	0	0																																		
AMOSITE:	0	0	0																																		
CROCIDOLITE:	0	0	0																																		
ASBESTOS TOTAL	0	0	0																																		
OTHER MATERIALS	LOW%	HIGH%	AVG%																																		
FIBROUS GLASS:	85	85	85																																		
CELLULOSE:	10	10	10																																		
UNSPECIFIED:	5	5	5																																		
DESCRIPTION: Generator exhaust breaching.	<table border="1"> <thead> <tr> <th>SAMPLE APPEARANCE</th> <th>MATERIAL</th> </tr> </thead> <tbody> <tr> <td>HOMOGENOUS: N</td> <td>FUNCTION APPLICATION</td> </tr> <tr> <td>LAYERS: N</td> <td>FIREPROOF: N PIPE: N</td> </tr> <tr> <td>FIBROUS: Y</td> <td>INSULATE: N DUCT: N</td> </tr> <tr> <td>COLOR: Tan</td> <td>ACOUSTIC: N CEIL: N</td> </tr> <tr> <td></td> <td>WALL: N</td> </tr> <tr> <td></td> <td>FLR: N</td> </tr> </tbody> </table>	SAMPLE APPEARANCE	MATERIAL	HOMOGENOUS: N	FUNCTION APPLICATION	LAYERS: N	FIREPROOF: N PIPE: N	FIBROUS: Y	INSULATE: N DUCT: N	COLOR: Tan	ACOUSTIC: N CEIL: N		WALL: N		FLR: N																						
SAMPLE APPEARANCE	MATERIAL																																				
HOMOGENOUS: N	FUNCTION APPLICATION																																				
LAYERS: N	FIREPROOF: N PIPE: N																																				
FIBROUS: Y	INSULATE: N DUCT: N																																				
COLOR: Tan	ACOUSTIC: N CEIL: N																																				
	WALL: N																																				
	FLR: N																																				
SURVEY DATE : 90-10-22 MGR : G. Smith ACM ? : N (Y OR N)																																					
COMMENTS																																					

LINEAR FEET	0
SQUARE FEET	0
PRIORITY INDEX	
0.0000	

EXPOSURE FACTOR		
FRIABILITY	M	
ACCESSIBLE	M	
ACTIVITY	H	
CONDITION	G	
RESTRICTION	U	
OCCUPANCY OF AREA		
EMPLOYEES	5	10 HRS
VISITORS	5	1 HRS
RESIDENTS	0	0 HRS
TOTAL	10	11 HRS





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ENVIRONMENTAL
TESTING, INC.**

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NET NORTHEAST, INC.

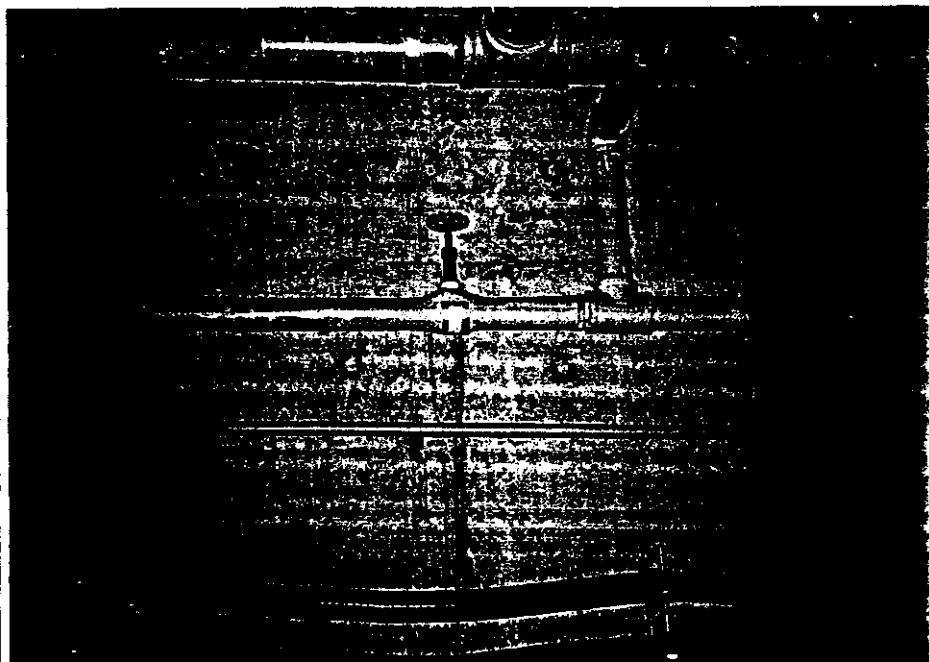
GENERAL INFORMATION BLDGAB: Control FLOOR: Basement ROOM: W. Gallery SAMP#: 28978	ACM LABORATORY TEST RESULTS			
DESCRIPTION: Hard pack fitting on F.G. insulated pipe.	ASBESTOS TYPE	LOW%	HIGH%	AVG%
SURVEY DATE : 90-10-22 MGR : G. Smith ACM ? : N (Y OR N)	CHRYBOTILE:	0	0	0
COMMENTS West Gallery.	AMOSITE:	0	0	0
CROCIDOLITE:	0	0	0	
ASBESTOS TOTAL	0	0	0	
OTHER MATERIALS	LOW%	HIGH%	AVG%	
FIBROUS GLASS:	40	40	40	
CELLULOSE:	20	20	20	
UNSPECIFIED:	40	40	40	
SAMPLE APPEARANCE	MATERIAL			
HOMOGENOUS: N	FUNCTION APPLICATION			
LAYERS: N	FIREPROOF: N PIPE: N			
FIBROUS: Y	INSULATE: N DUCT: N			
COLOR: Gray	ACOUSTIC: N CEIL: N			
	WALL: N			
	FLR: N			

LINEAR FEET	0
SQUARE FEET	0

PRIORITY INDEX	0.0000
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EXPOSURE FACTOR	
FRIABILITY	M
ACCESSIBLE	H
ACTIVITY	L
CONDITION	G
RESTRICTION	U

OCCUPANCY OF AREA		
EMPLOYEES	3	3 HRS
VISITORS	1	1 HRS
RESIDENTS	0	0 HRS
TOTAL	4	4 HRS





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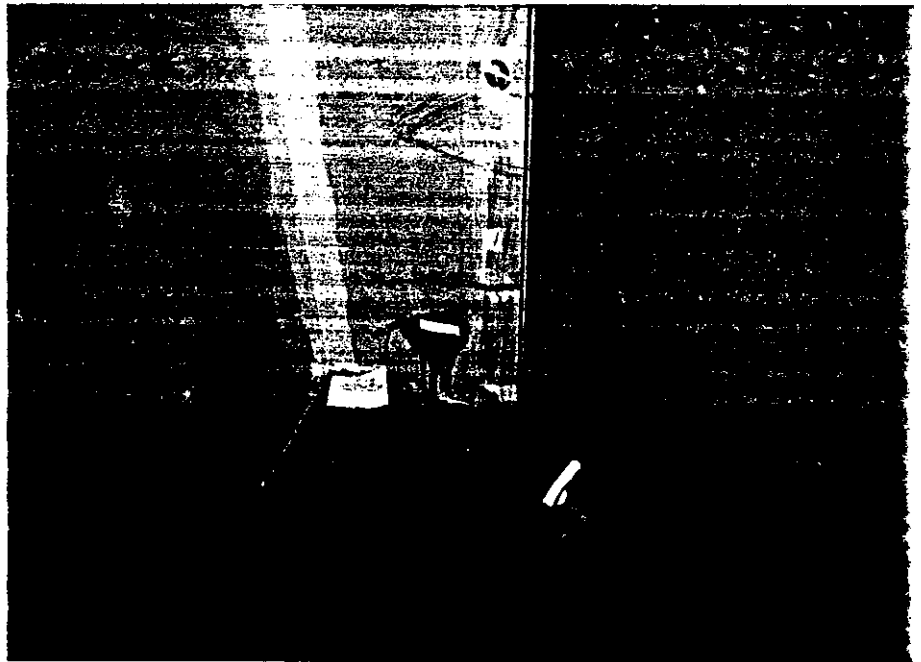
NET NORTHEAST, INC.

GENERAL INFORMATION BLDGAB: Control FLOOR: First ROOM: Control SAMP#: 29189	ACM LABORATORY TEST RESULTS <table border="1"> <thead> <tr> <th>ASBESTOS TYPE</th> <th>LOW%</th> <th>HIGH%</th> <th>AVG%</th> </tr> </thead> <tbody> <tr> <td>CHRYSOTILE:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>AMOSITE:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>CROCIDOLITE:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>ASBESTOS TOTAL</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>OTHER MATERIALS</th> <th>LOW%</th> <th>HIGH%</th> <th>AVG%</th> </tr> </thead> <tbody> <tr> <td>FIBROUS GLASS:</td> <td>15</td> <td>15</td> <td>15</td> </tr> <tr> <td>CELLULOSE:</td> <td>20</td> <td>20</td> <td>20</td> </tr> <tr> <td>UNSPECIFIED:</td> <td>65</td> <td>65</td> <td>65</td> </tr> </tbody> </table>	ASBESTOS TYPE	LOW%	HIGH%	AVG%	CHRYSOTILE:	0	0	0	AMOSITE:	0	0	0	CROCIDOLITE:	0	0	0	ASBESTOS TOTAL	0	0	0	OTHER MATERIALS	LOW%	HIGH%	AVG%	FIBROUS GLASS:	15	15	15	CELLULOSE:	20	20	20	UNSPECIFIED:	65	65	65
ASBESTOS TYPE	LOW%	HIGH%	AVG%																																		
CHRYSOTILE:	0	0	0																																		
AMOSITE:	0	0	0																																		
CROCIDOLITE:	0	0	0																																		
ASBESTOS TOTAL	0	0	0																																		
OTHER MATERIALS	LOW%	HIGH%	AVG%																																		
FIBROUS GLASS:	15	15	15																																		
CELLULOSE:	20	20	20																																		
UNSPECIFIED:	65	65	65																																		
DESCRIPTION: Drywall.	SAMPLE APPEARANCE HOMOGENOUS: N LAYERS: N FIBROUS: Y COLOR: White																																				
SURVEY DATE : 90-10-24 MGR : G. Smith ACM ? : N (Y OR N)	MATERIAL FUNCTION APPLICATION FIREPROOF: N PIPE: N INSULATE: N DUCT: N ACOUSTIC: N CEIL: N WALL: N FLR: N																																				
COMMENTS Control room office																																					

LINEAR FEET	0
SQUARE FEET	0

PRIORITY INDEX
0.0000

EXPOSURE FACTOR		
FRIABILITY	L	
ACCESSIBLE	H	
ACTIVITY	M	
CONDITION	G	
RESTRICTION	U	
OCCUPANCY OF AREA		
EMPLOYEES	2	5 HRS
VISITORS	2	1 HRS
RESIDENTS	0	0 HRS
TOTAL	4	6 HRS





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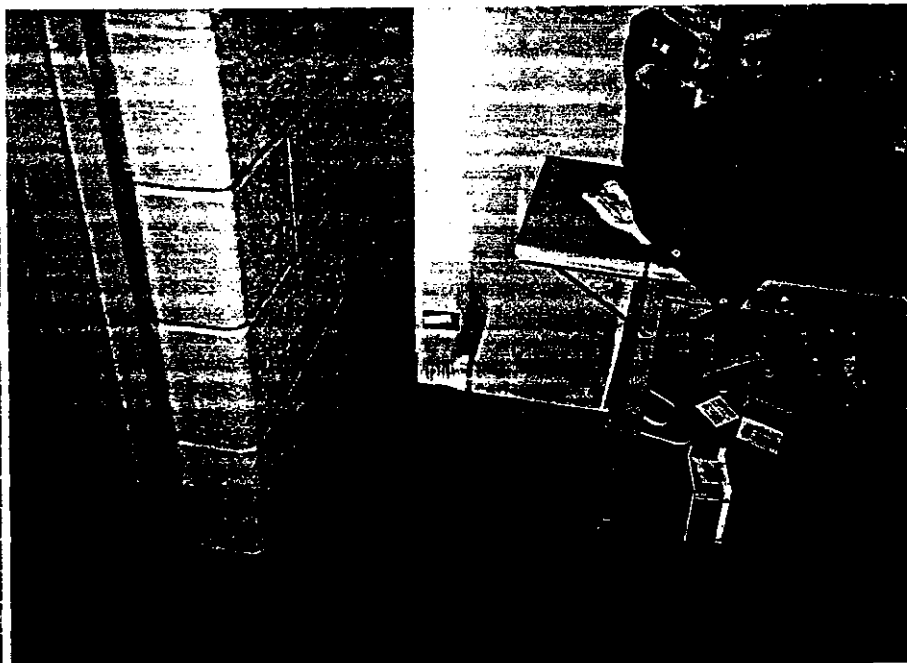
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GENERAL INFORMATION BLDGAB: Control FLOOR: First ROOM: Control SAMP#: 29190	ACM LABORATORY TEST RESULTS <table border="1"> <thead> <tr> <th>ASBESTOS TYPE</th> <th>LOW%</th> <th>HIGH%</th> <th>AVG%</th> </tr> </thead> <tbody> <tr> <td>CHRYSTILE:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>AMOSITE:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>CROCIDOLITE:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td></td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>ASBESTOS TOTAL</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>OTHER MATERIALS</th> <th>LOW%</th> <th>HIGH%</th> <th>AVG%</th> </tr> </thead> <tbody> <tr> <td>FIBROUS GLASS:</td> <td>15</td> <td>15</td> <td>15</td> </tr> <tr> <td>CELLULOSE:</td> <td>15</td> <td>15</td> <td>15</td> </tr> <tr> <td>UNSPECIFIED:</td> <td>70</td> <td>70</td> <td>70</td> </tr> </tbody> </table>	ASBESTOS TYPE	LOW%	HIGH%	AVG%	CHRYSTILE:	0	0	0	AMOSITE:	0	0	0	CROCIDOLITE:	0	0	0		0	0	0	ASBESTOS TOTAL	0	0	0	OTHER MATERIALS	LOW%	HIGH%	AVG%	FIBROUS GLASS:	15	15	15	CELLULOSE:	15	15	15	UNSPECIFIED:	70	70	70
ASBESTOS TYPE	LOW%	HIGH%	AVG%																																						
CHRYSTILE:	0	0	0																																						
AMOSITE:	0	0	0																																						
CROCIDOLITE:	0	0	0																																						
	0	0	0																																						
ASBESTOS TOTAL	0	0	0																																						
OTHER MATERIALS	LOW%	HIGH%	AVG%																																						
FIBROUS GLASS:	15	15	15																																						
CELLULOSE:	15	15	15																																						
UNSPECIFIED:	70	70	70																																						
DESCRIPTION: Drywall	<table border="1"> <thead> <tr> <th>SAMPLE APPEARANCE</th> <th>MATERIAL</th> </tr> </thead> <tbody> <tr> <td>HOMOGENOUS: N</td> <td>FUNCTION APPLICATION</td> </tr> <tr> <td>LAYERS: N</td> <td>FIREPROOF: N PIPE: N</td> </tr> <tr> <td>FIBROUS: Y</td> <td>INSULATE: N DUCT: N</td> </tr> <tr> <td>COLOR: White</td> <td>ACOUSTIC: N CEIL: N</td> </tr> <tr> <td></td> <td>WALL: N</td> </tr> <tr> <td></td> <td>FLR: N</td> </tr> </tbody> </table>	SAMPLE APPEARANCE	MATERIAL	HOMOGENOUS: N	FUNCTION APPLICATION	LAYERS: N	FIREPROOF: N PIPE: N	FIBROUS: Y	INSULATE: N DUCT: N	COLOR: White	ACOUSTIC: N CEIL: N		WALL: N		FLR: N																										
SAMPLE APPEARANCE	MATERIAL																																								
HOMOGENOUS: N	FUNCTION APPLICATION																																								
LAYERS: N	FIREPROOF: N PIPE: N																																								
FIBROUS: Y	INSULATE: N DUCT: N																																								
COLOR: White	ACOUSTIC: N CEIL: N																																								
	WALL: N																																								
	FLR: N																																								
SURVEY DATE : 90-10-24 MGR : G. Smith ACM ? : N (Y OR N)																																									
COMMENTS Control room office.																																									

LINEAR FEET 0 SQUARE FEET 0
PRIORITY INDEX 0.0000

EXPOSURE FACTOR		
FRIABILITY	L	
ACCESSIBLE	H	
ACTIVITY	M	
CONDITION	G	
RESTRICTION	U	
OCCUPANCY OF AREA		
EMPLOYEES	2	5 HRS
VISITORS	2	1 HRS
RESIDENTS	0	0 HRS
TOTAL	4	6 HRS





NATIONAL ENVIRONMENTAL TESTING, INC.

NET Northeast, Inc.
5854 Butternut Drive
East Syracuse, NY 13057
Tel: (315) 446-8795
Fax: (315) 449-1611

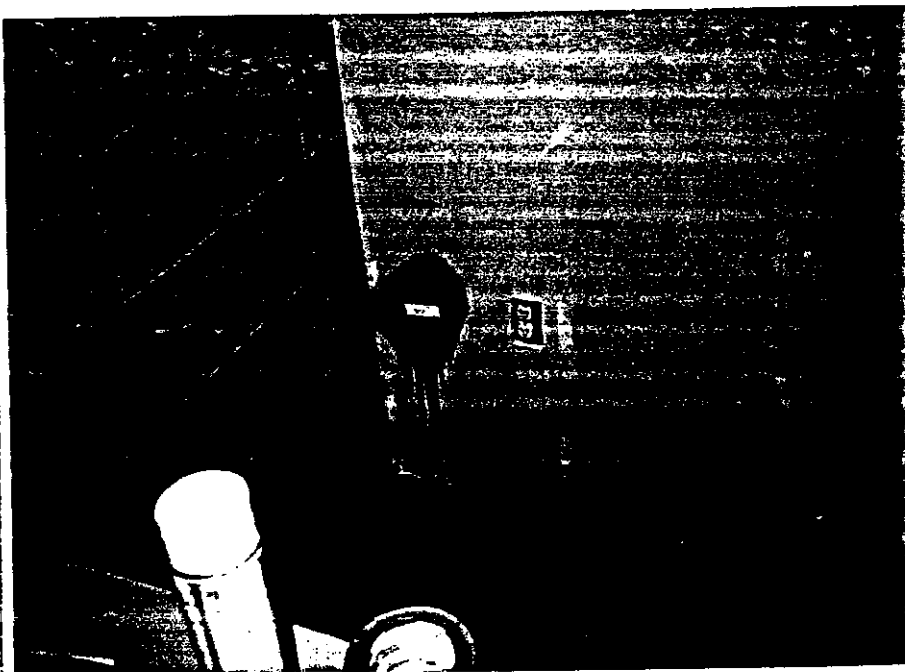
Formerly CS Environmental Laboratory, Inc.

NET NORTHEAST, INC.

GENERAL INFORMATION BLDGAB: Control FLOOR: First ROOM: Control SAMP#: 29191	ACM LABORATORY TEST RESULTS <table border="1"> <thead> <tr> <th>ASBESTOS TYPE</th> <th>LOW%</th> <th>HIGH%</th> <th>AVG%</th> </tr> </thead> <tbody> <tr> <td>CHRYSTOLE:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>AMOSITE:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>CROCIDOLITE:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>ASBESTOS TOTAL</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>OTHER MATERIALS</th> <th>LOW%</th> <th>HIGH%</th> <th>AVG%</th> </tr> </thead> <tbody> <tr> <td>FIBROUS GLASS:</td> <td>15</td> <td>15</td> <td>15</td> </tr> <tr> <td>CELLULOSE:</td> <td>15</td> <td>15</td> <td>15</td> </tr> <tr> <td>UNSPECIFIED:</td> <td>70</td> <td>70</td> <td>70</td> </tr> </tbody> </table>	ASBESTOS TYPE	LOW%	HIGH%	AVG%	CHRYSTOLE:	0	0	0	AMOSITE:	0	0	0	CROCIDOLITE:	0	0	0	ASBESTOS TOTAL	0	0	0	OTHER MATERIALS	LOW%	HIGH%	AVG%	FIBROUS GLASS:	15	15	15	CELLULOSE:	15	15	15	UNSPECIFIED:	70	70	70
ASBESTOS TYPE	LOW%	HIGH%	AVG%																																		
CHRYSTOLE:	0	0	0																																		
AMOSITE:	0	0	0																																		
CROCIDOLITE:	0	0	0																																		
ASBESTOS TOTAL	0	0	0																																		
OTHER MATERIALS	LOW%	HIGH%	AVG%																																		
FIBROUS GLASS:	15	15	15																																		
CELLULOSE:	15	15	15																																		
UNSPECIFIED:	70	70	70																																		
DESCRIPTION: Drywall	<table border="1"> <thead> <tr> <th colspan="2">SAMPLE APPEARANCE</th> <th colspan="2">MATERIAL</th> </tr> <tr> <th></th> <th></th> <th>FUNCTION</th> <th>APPLICATION</th> </tr> </thead> <tbody> <tr> <td>HOMOGENOUS:</td> <td>N</td> <td>FIREPROOF:</td> <td>N PIPE: N</td> </tr> <tr> <td>LAYERS:</td> <td>N</td> <td>INSULATE:</td> <td>N DUCT: N</td> </tr> <tr> <td>FIBROUS:</td> <td>Y</td> <td>ACOUSTIC:</td> <td>N CEIL: N</td> </tr> <tr> <td>COLOR:</td> <td>White</td> <td></td> <td>WALL: N</td> </tr> <tr> <td></td> <td></td> <td></td> <td>FLR: N</td> </tr> </tbody> </table>	SAMPLE APPEARANCE		MATERIAL				FUNCTION	APPLICATION	HOMOGENOUS:	N	FIREPROOF:	N PIPE: N	LAYERS:	N	INSULATE:	N DUCT: N	FIBROUS:	Y	ACOUSTIC:	N CEIL: N	COLOR:	White		WALL: N				FLR: N								
SAMPLE APPEARANCE		MATERIAL																																			
		FUNCTION	APPLICATION																																		
HOMOGENOUS:	N	FIREPROOF:	N PIPE: N																																		
LAYERS:	N	INSULATE:	N DUCT: N																																		
FIBROUS:	Y	ACOUSTIC:	N CEIL: N																																		
COLOR:	White		WALL: N																																		
			FLR: N																																		
SURVEY DATE : 90-10-24 MGR : G. Smith ACM ? : N (Y OR N)																																					
COMMENTS Control room office.																																					

LINEAR FEET	0
SQUARE FEET	0
PRIORITY INDEX	
0.0000	

EXPOSURE FACTOR		
FRIABILITY	L	
ACCESSIBLE	H	
ACTIVITY	M	
CONDITION	G	
RESTRICTION	U	
OCCUPANCY OF AREA		
EMPLOYEES	2	5 HRS
VISITORS	2	1 HRS
RESIDENTS	0	0 HRS
TOTAL	4	6 HRS





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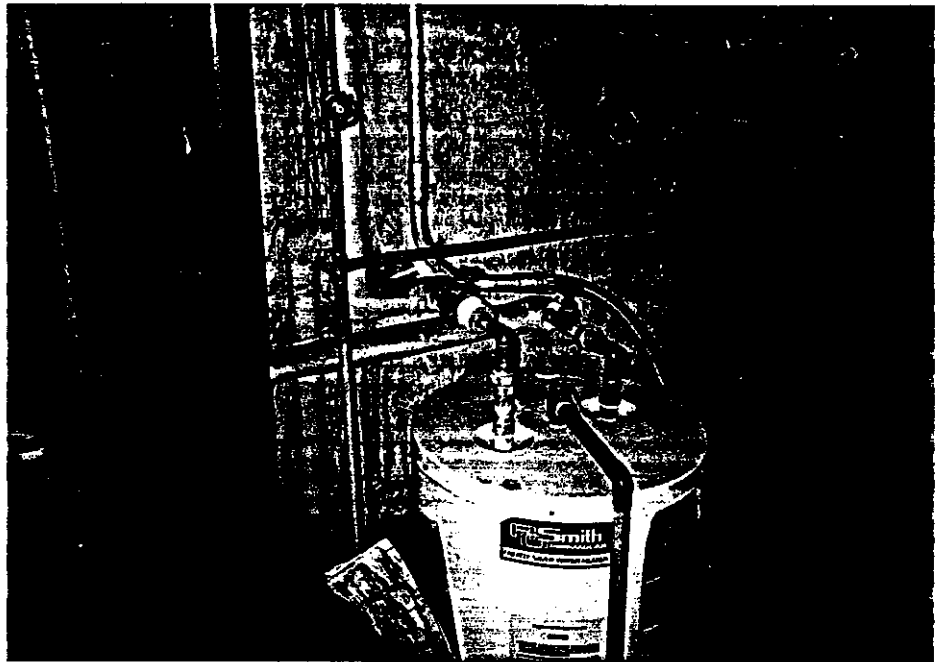
NET NORTHEAST, INC.

GENERAL INFORMATION BLDGAB: Raw Sewage FLOOR: Basement ROOM: Motor Cntl SAMP#: 25152	ACM LABORATORY TEST RESULTS			
DESCRIPTION: Hard pack fitting on F.G. insulated pipe.	ASBESTOS TYPE CHRYSOTILE: AMOSITE: CROCIDOLITE:	LOW% 0 0 0	HIGH% 0 0 0	AVG% 0 0 0
SURVEY DATE : 90-10-24 MGR : G. Smith ACM ? : N (Y OR N)	ASBESTOS TOTAL OTHER MATERIALS FIBROUS GLASS: CELLULOSE: UNSPECIFIED:	LOW% 40 20 40	HIGH% 40 20 40	AVG% 40 20 40
COMMENTS Raw Sewage Pump St. Motor Control Room.	SAMPLE APPEARANCE HOMOGENOUS: N LAYERS: N FIBROUS: Y COLOR: Gray MATERIAL FUNCTION APPLICATION FIREPROOF: N PIPE: N INSULATE: N DUCT: N ACOUSTIC: N CEIL: N WALL: N FLR: N			

LINEAR FEET 0 SQUARE FEET 0
--

PRIORITY INDEX 0.0000

EXPOSURE FACTOR		
FRIABILITY	M	
ACCESSIBLE	H	
ACTIVITY	L	
CONDITION	P	
RESTRICTION	U	
OCCUPANCY OF AREA		
EMPLOYEES	2	1 HRS
VISITORS	1	1 HRS
RESIDENTS	0	0 HRS
TOTAL	3	2 HRS





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NET NORTHEAST, INC.

GENERAL INFORMATION BLDGAB: Control FLOOR: Lower Roof ROOM: SAMF#: 29193	ACM LABORATORY TEST RESULTS <table border="1"> <tr> <td>ASBESTOS TYPE</td> <td>LOW%</td> <td>HIGH%</td> <td>AVG%</td> </tr> <tr> <td>CHRYBOTILE:</td> <td>10</td> <td>10</td> <td>10</td> </tr> <tr> <td>AMOSITE:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>CROCIDOLITE:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td></td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>ASBESTOS TOTAL</td> <td>10</td> <td>10</td> <td>10</td> </tr> </table> <table border="1"> <tr> <td>OTHER MATERIALS</td> <td>LOW%</td> <td>HIGH%</td> <td>AVG%</td> </tr> <tr> <td>FIBROUS GLASS:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>CELLULOSE:</td> <td>50</td> <td>50</td> <td>50</td> </tr> <tr> <td>UNSPECIFIED:</td> <td>40</td> <td>40</td> <td>40</td> </tr> </table>	ASBESTOS TYPE	LOW%	HIGH%	AVG%	CHRYBOTILE:	10	10	10	AMOSITE:	0	0	0	CROCIDOLITE:	0	0	0		0	0	0	ASBESTOS TOTAL	10	10	10	OTHER MATERIALS	LOW%	HIGH%	AVG%	FIBROUS GLASS:	0	0	0	CELLULOSE:	50	50	50	UNSPECIFIED:	40	40	40
ASBESTOS TYPE	LOW%	HIGH%	AVG%																																						
CHRYBOTILE:	10	10	10																																						
AMOSITE:	0	0	0																																						
CROCIDOLITE:	0	0	0																																						
	0	0	0																																						
ASBESTOS TOTAL	10	10	10																																						
OTHER MATERIALS	LOW%	HIGH%	AVG%																																						
FIBROUS GLASS:	0	0	0																																						
CELLULOSE:	50	50	50																																						
UNSPECIFIED:	40	40	40																																						
DESCRIPTION: Flashing material.	<table border="1"> <tr> <td>SAMPLE APPEARANCE</td> <td>MATERIAL</td> </tr> <tr> <td>HOMOGENOUS: N</td> <td>FUNCTION APPLICATION</td> </tr> <tr> <td>LAYERS: Y</td> <td>FIREPROOF: N PIPE: N</td> </tr> <tr> <td>FIBROUS: Y</td> <td>INSULATE: N DUCT: N</td> </tr> <tr> <td>COLOR: Black</td> <td>ACOUSTIC: N CEIL: N</td> </tr> <tr> <td></td> <td>WALL: N</td> </tr> <tr> <td></td> <td>FLR: N</td> </tr> </table>	SAMPLE APPEARANCE	MATERIAL	HOMOGENOUS: N	FUNCTION APPLICATION	LAYERS: Y	FIREPROOF: N PIPE: N	FIBROUS: Y	INSULATE: N DUCT: N	COLOR: Black	ACOUSTIC: N CEIL: N		WALL: N		FLR: N																										
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COLOR: Black	ACOUSTIC: N CEIL: N																																								
	WALL: N																																								
	FLR: N																																								
SURVEY DATE : 90-10-24 MGR : G. Smith ACM ? : Y (Y OR N)																																									
COMMENTS Flashing from lower to upper roof.																																									

LINEAR FEET	0
SQUARE FEET	0

PRIORITY INDEX	0.0250
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EXPOSURE FACTOR	
FRIABILITY	L
ACCESSIBLE	H
ACTIVITY	L
CONDITION	S
RESTRICTION	U

OCCUPANCY OF AREA		
EMPLOYEES	1	1 HRS
VISITORS	0	0 HRS
RESIDENTS	0	0 HRS
TOTAL	1	1 HRS





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NET NORTHEAST, INC.

GENERAL INFORMATION BLDGAB: Control FLOOR: Lower Roof ROOM: SAMP#: 29194	ACM LABORATORY TEST RESULTS			
DESCRIPTION: Flashing around large air fan.	ASBESTOS TYPE CHRYSOTILE: AMOSITE: CROCIDOLITE:	LOW% 40 0 0	HIGH% 40 0 0	AVG% 40 0 0
SURVEY DATE : 90-10-24 MGR : G. Smith ACM ? : Y (Y OR N)	ASBESTOS TOTAL OTHER MATERIALS FIBROUS GLASS: CELLULOSE: UNSPECIFIED:	LOW% 40 20 40	HIGH% 40 20 40	AVG% 40 20 40
COMMENTS	SAMPLE APPEARANCE HOMOGENOUS: N LAYERS: Y FIBROUS: Y COLOR: Black	MATERIAL FUNCTION APPLICATION FIREPROOF: N PIPE: N INSULATE: N DUCT: N ACOUSTIC: N CEIL: N WALL: N FLR: N		

LINEAR FEET	0
SQUARE FEET	0

PRIORITY INDEX	0.0250
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EXPOSURE FACTOR	
FRIABILITY	L
ACCESSIBLE	H
ACTIVITY	L
CONDITION	G
RESTRICTION	U

OCCUPANCY OF AREA		
EMPLOYEES	1	1 HRS
VISITORS	0	0 HRS
RESIDENTS	0	0 HRS
TOTAL	1	1 HRS





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NET NORTHEAST, INC.

GENERAL INFORMATION BLDGAB: Control FLOOR: Upper Roof ROOM: Middle SAMP#: 29195	ACM LABORATORY TEST RESULTS			
DESCRIPTION: Roofing material.	ASBESTOS TYPE	LOW%	HIGH%	AVG%
SURVEY DATE : 90-10-24 MGR : G. Smith ACM ? : N (Y OR N)	CHRYSOTILE:	0	0	0
COMMENTS	AMOSITE:	0	0	0
	CROCIDOLITE:	0	0	0
	ASBESTOS TOTAL	0	0	0
	OTHER MATERIALS	LOW%	HIGH%	AVG%
	FIBROUS GLASS:	5	5	5
	CELLULOSE:	60	60	60
	UNSPECIFIED:	35	35	35
	SAMPLE APPEARANCE		MATERIAL	
	HOMOGENOUS: N	FUNCTION	APPLICATION	
	LAYERS: Y	FIREPROOF: N	PIPE: N	N
	FIBROUS: Y	INSULATE: N	DUCT: N	N
	COLOR: Black	ACOUSTIC: N	CEIL: N	N
			WALL: N	N
			FLR: N	N

LINEAR FEET	0
SQUARE FEET	0

PRIORITY INDEX	0.0000
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EXPOSURE FACTOR	
FRIABILITY	L
ACCESSIBLE	H
ACTIVITY	L
CONDITION	S
RESTRICTION	U

OCCUPANCY OF AREA		
EMPLOYEES	1	1 HRS
VISITORS	0	0 HRS
RESIDENTS	0	0 HRS
TOTAL	1	1 HRS





NATIONAL ENVIRONMENTAL TESTING, INC.

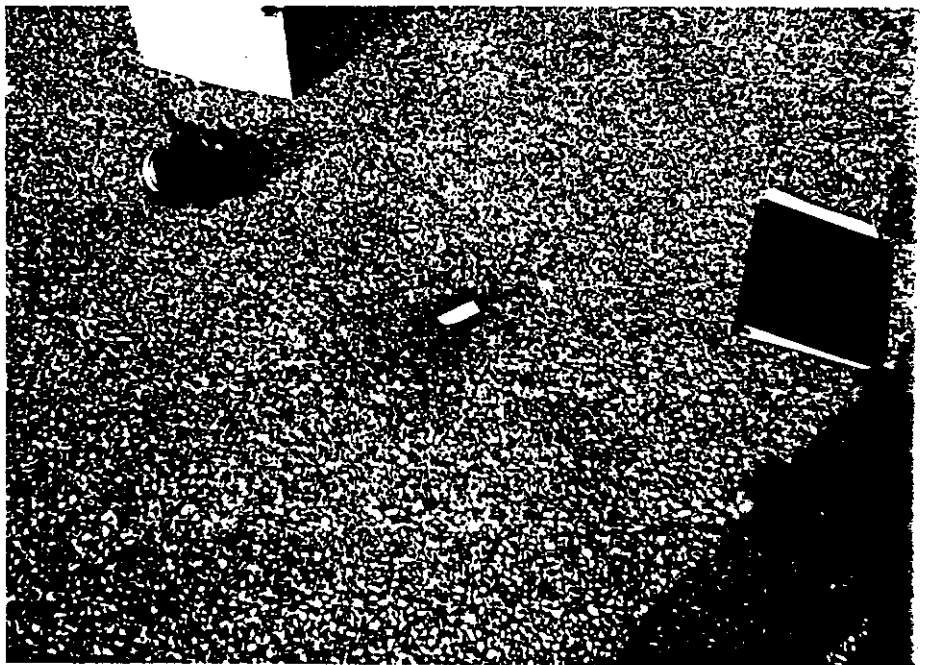
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NET NORTHEAST, INC.

GENERAL INFORMATION BLDGAB: Access FLOOR: Roof ROOM: South Gall SAMP#: 29196	ACM LABORATORY TEST RESULTS			
DESCRIPTION: Roofing material.	ASBESTOS TYPE	LOW%	HIGH%	AVG%
SURVEY DATE : 90-10-24 MGR : G. Smith	CHRYSOTILE: 0	0	0	0
ACM ? : N (Y OR N)	AMOSITE: 0	0	0	0
COMMENTS South Gallery Access Building.	CROCIDOLITE: 0	0	0	0
ASBESTOS TOTAL	0	0	0	0
OTHER MATERIALS	LOW%	HIGH%	AVG%	
FIBROUS GLASS: 5	5	5	5	
CELLULOSE: 45	45	45	45	
UNSPECIFIED: 50	50	50	50	
SAMPLE APPEARANCE	MATERIAL			
HOMOGENOUS: N	FUNCTION	APPLICATION		
LAYERS: Y	FIREPROOF: N	PIPE: N		
FIBROUS: Y	INSULATE: N	DUCT: N		
COLOR: Black	ACOUSTIC: N	CEIL: N		
		WALL: N		
		FLR: N		

LINEAR FEET	0
SQUARE FEET	0
PRIORITY INDEX 0.0000	



EXPOSURE FACTOR		
FRIABILITY	L	
ACCESSIBLE	H	
ACTIVITY	L	
CONDITION	G	
RESTRICTION	U	
OCCUPANCY OF AREA		
EMPLOYEES	1	1 HRS
VISITORS	0	0 HRS
RESIDENTS	0	0 HRS
TOTAL	1	1 HRS



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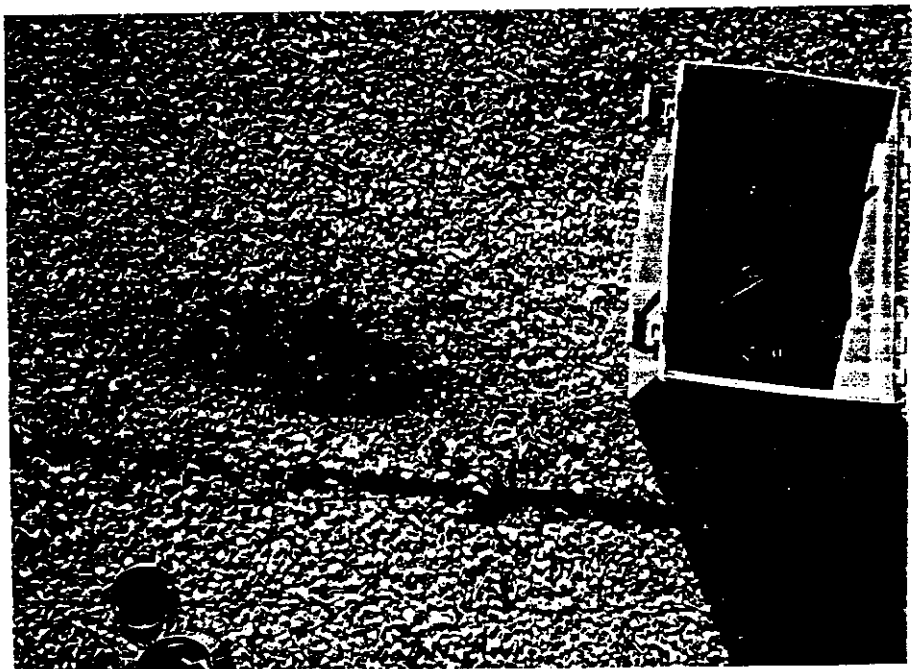
GENERAL INFORMATION BLDGAB: Raw Sewage FLOOR: Roof ROOM: Middle SAMP#: 13	ACM LABORATORY TEST RESULTS <table border="1"> <thead> <tr> <th>ASBESTOS TYPE</th> <th>LOW%</th> <th>HIGH%</th> <th>AVG%</th> </tr> </thead> <tbody> <tr> <td>CHRYSOTILE:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>AMOSITE:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>CROCIDOLITE:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td></td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>ASBESTOS TOTAL</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>OTHER MATERIALS</th> <th>LOW%</th> <th>HIGH%</th> <th>AVG%</th> </tr> </thead> <tbody> <tr> <td>FIBROUS GLASS:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>CELLULOSE:</td> <td>70</td> <td>70</td> <td>70</td> </tr> <tr> <td>UNSPECIFIED:</td> <td>30</td> <td>30</td> <td>30</td> </tr> </tbody> </table>	ASBESTOS TYPE	LOW%	HIGH%	AVG%	CHRYSOTILE:	0	0	0	AMOSITE:	0	0	0	CROCIDOLITE:	0	0	0		0	0	0	ASBESTOS TOTAL	0	0	0	OTHER MATERIALS	LOW%	HIGH%	AVG%	FIBROUS GLASS:	0	0	0	CELLULOSE:	70	70	70	UNSPECIFIED:	30	30	30
ASBESTOS TYPE	LOW%	HIGH%	AVG%																																						
CHRYSOTILE:	0	0	0																																						
AMOSITE:	0	0	0																																						
CROCIDOLITE:	0	0	0																																						
	0	0	0																																						
ASBESTOS TOTAL	0	0	0																																						
OTHER MATERIALS	LOW%	HIGH%	AVG%																																						
FIBROUS GLASS:	0	0	0																																						
CELLULOSE:	70	70	70																																						
UNSPECIFIED:	30	30	30																																						
DESCRIPTION: Built up roofing material.	<table border="1"> <thead> <tr> <th colspan="2">SAMPLE APPEARANCE</th> <th colspan="2">MATERIAL</th> </tr> <tr> <th></th> <th></th> <th>FUNCTION</th> <th>APPLICATION</th> </tr> </thead> <tbody> <tr> <td>HOMOGENOUS:</td> <td>N</td> <td>FIREPROOF:</td> <td>N PIPE: N</td> </tr> <tr> <td>LAYERS:</td> <td>Y</td> <td>INSULATE:</td> <td>N DUCT: N</td> </tr> <tr> <td>FIBROUS:</td> <td>Y</td> <td>ACOUSTIC:</td> <td>N CEIL: N</td> </tr> <tr> <td>COLOR:</td> <td>Black</td> <td></td> <td>WALL: N</td> </tr> <tr> <td></td> <td></td> <td></td> <td>FLR: N</td> </tr> </tbody> </table>	SAMPLE APPEARANCE		MATERIAL				FUNCTION	APPLICATION	HOMOGENOUS:	N	FIREPROOF:	N PIPE: N	LAYERS:	Y	INSULATE:	N DUCT: N	FIBROUS:	Y	ACOUSTIC:	N CEIL: N	COLOR:	Black		WALL: N				FLR: N												
SAMPLE APPEARANCE		MATERIAL																																							
		FUNCTION	APPLICATION																																						
HOMOGENOUS:	N	FIREPROOF:	N PIPE: N																																						
LAYERS:	Y	INSULATE:	N DUCT: N																																						
FIBROUS:	Y	ACOUSTIC:	N CEIL: N																																						
COLOR:	Black		WALL: N																																						
			FLR: N																																						
SURVEY DATE : 91-02-04 MGR : G. Smith ACM ? : N (Y OR N)																																									
COMMENTS Raw Sewage Pumping Station.																																									

LINEAR FEET	0
SQUARE FEET	0

PRIORITY INDEX
0.0000

EXPOSURE FACTOR	
FRIABILITY	L
ACCESSIBLE	L
ACTIVITY	L
CONDITION	G
RESTRICTION	U

OCCUPANCY OF AREA		
EMPLOYEES	1	1 HRS
VISITORS	0	0 HRS
RESIDENTS	0	0 HRS
TOTAL	1	1 HRS





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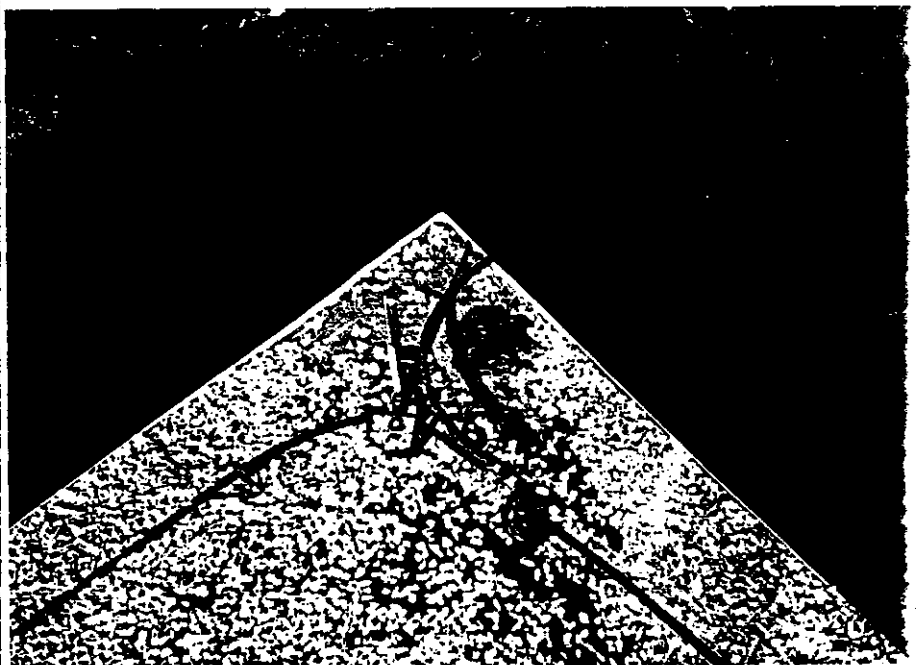
Formerly CS Environmental Laboratory, Inc.

NET NORTHEAST, INC.

GENERAL INFORMATION BLDGAS: Raw Sewage FLOOR: Roof ROOM: NW corner SAMP#: 14	ACM LABORATORY TEST RESULTS <table border="1"> <thead> <tr> <th>ASBESTOS TYPE</th> <th>LOW%</th> <th>HIGH%</th> <th>AVG%</th> </tr> </thead> <tbody> <tr> <td>CHRYSOTILE:</td> <td>20</td> <td>20</td> <td>20</td> </tr> <tr> <td>AMOSITE:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>CROCIDOLITE:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td></td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>ASBESTOS TOTAL</td> <td>20</td> <td>20</td> <td>20</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>OTHER MATERIALS</th> <th>LOW%</th> <th>HIGH%</th> <th>AVG%</th> </tr> </thead> <tbody> <tr> <td>FIBROUS GLASS:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>CELLULOSE:</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>UNSPECIFIED:</td> <td>80</td> <td>80</td> <td>80</td> </tr> </tbody> </table>	ASBESTOS TYPE	LOW%	HIGH%	AVG%	CHRYSOTILE:	20	20	20	AMOSITE:	0	0	0	CROCIDOLITE:	0	0	0		0	0	0	ASBESTOS TOTAL	20	20	20	OTHER MATERIALS	LOW%	HIGH%	AVG%	FIBROUS GLASS:	0	0	0	CELLULOSE:	0	0	0	UNSPECIFIED:	80	80	80
ASBESTOS TYPE	LOW%	HIGH%	AVG%																																						
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AMOSITE:	0	0	0																																						
CROCIDOLITE:	0	0	0																																						
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CELLULOSE:	0	0	0																																						
UNSPECIFIED:	80	80	80																																						
DESCRIPTION: Flashing material.	<table border="1"> <thead> <tr> <th>SAMPLE APPEARANCE</th> <th>MATERIAL</th> </tr> </thead> <tbody> <tr> <td>HOMOGENOUS: N</td> <td>FUNCTION APPLICATION</td> </tr> <tr> <td>LAYERS: Y</td> <td>FIREPROOF: N PIPE: N</td> </tr> <tr> <td>FIBROUS: Y</td> <td>INSULATE: N DUCT: N</td> </tr> <tr> <td>COLOR: Black</td> <td>ACOUSTIC: N CEIL: N</td> </tr> <tr> <td></td> <td>WALL: N</td> </tr> <tr> <td></td> <td>FLR: N</td> </tr> </tbody> </table>	SAMPLE APPEARANCE	MATERIAL	HOMOGENOUS: N	FUNCTION APPLICATION	LAYERS: Y	FIREPROOF: N PIPE: N	FIBROUS: Y	INSULATE: N DUCT: N	COLOR: Black	ACOUSTIC: N CEIL: N		WALL: N		FLR: N																										
SAMPLE APPEARANCE	MATERIAL																																								
HOMOGENOUS: N	FUNCTION APPLICATION																																								
LAYERS: Y	FIREPROOF: N PIPE: N																																								
FIBROUS: Y	INSULATE: N DUCT: N																																								
COLOR: Black	ACOUSTIC: N CEIL: N																																								
	WALL: N																																								
	FLR: N																																								
SURVEY DATE : 91-02-04 MGR : G. Smith ACM ? : Y (Y OR N)																																									
COMMENTS Raw Sewage Pumping Station.																																									

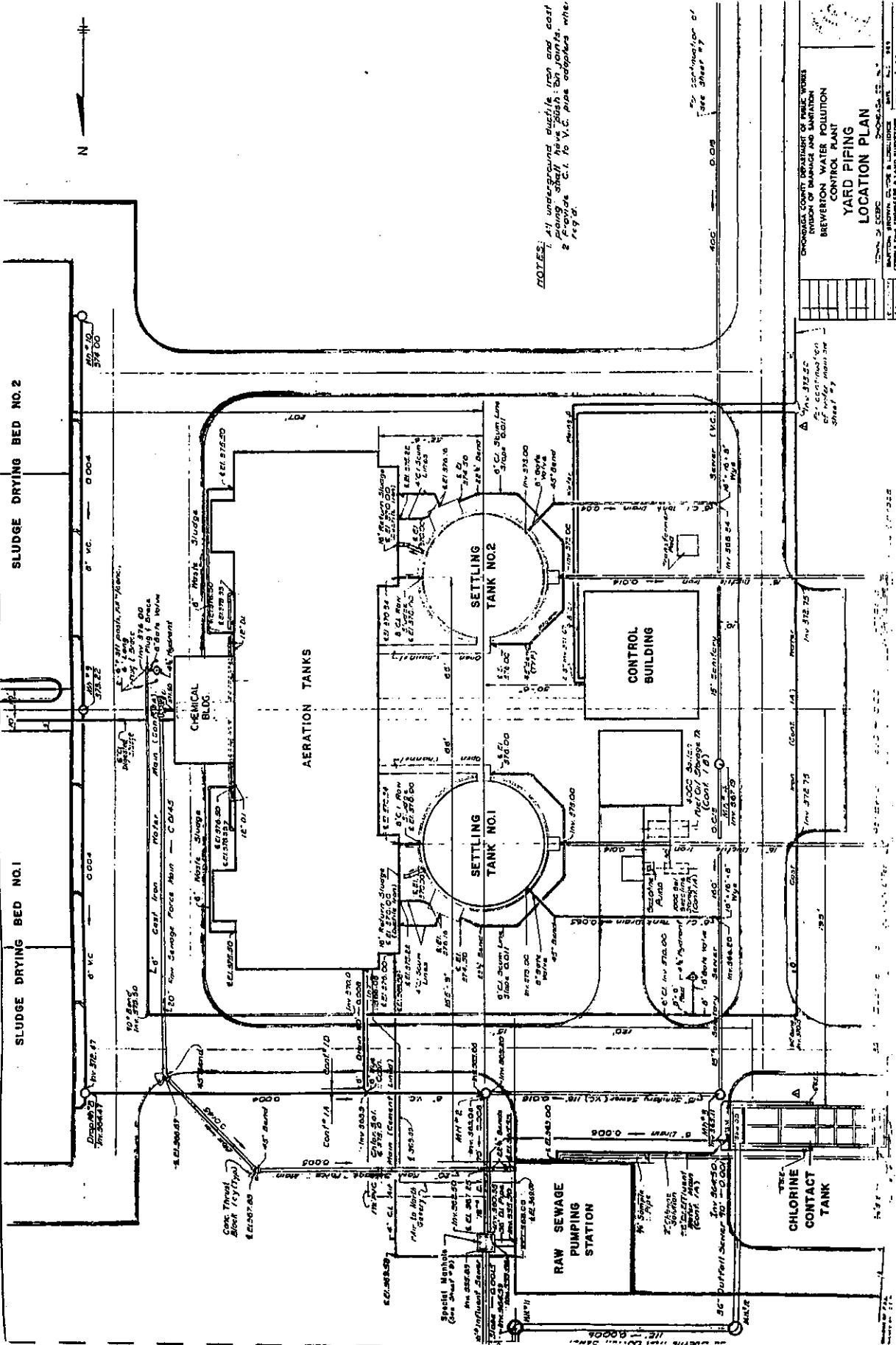
LINEAR FEET	0
SQUARE FEET	0
PRIORITY INDEX	
0.0000	

EXPOSURE FACTOR		
FRIABILITY	L	
ACCESSIBLE	L	
ACTIVITY	L	
CONDITION	G	
RESTRICTION	U	
OCCUPANCY OF AREA		
EMPLOYEES	1	1 HRS
VISITORS	0	0 HRS
RESIDENTS	0	0 HRS
TOTAL	1	1 HRS





APPENDIX D:
PROJECT DIAGRAMS



NOTES:
 1. All underground piping is iron and cast
 2. 200' dia. C.I. to V.C. pipe indicated where
 req'd.

See separator of
 see sheet #7

CHESAPEAKE COUNTY DEPARTMENT OF PUBLIC WORKS
 DIVISION OF SANITATION AND SANITATION
 BREWERTON WATER POLLUTION
 CONTROL PLANT
 YARD PIPING
 LOCATION PLAN

DATE	NO.	DESCRIPTION

Inv. 372.50
 of water main
 sheet #7

Inv. 372.75
 (Cont. 1A)

Inv. 372.75
 (Cont. 1A)

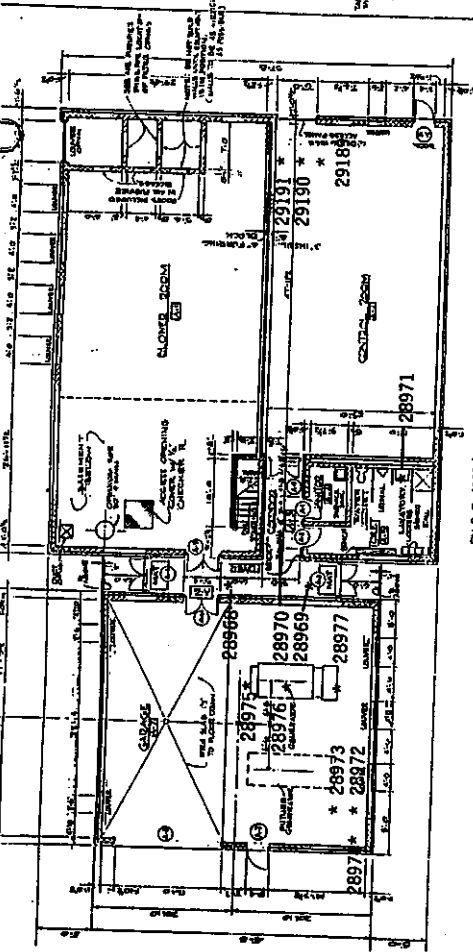
Inv. 372.75
 (Cont. 1A)

Inv. 372.75
 (Cont. 1A)

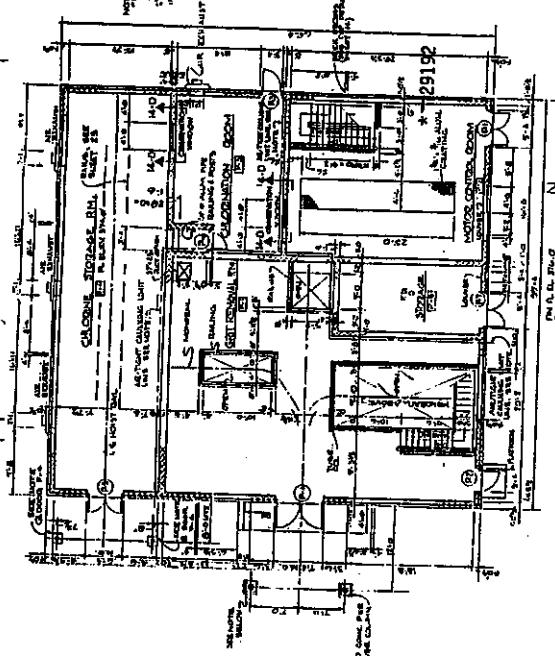
Inv. 372.75
 (Cont. 1A)

Inv. 372.75
 (Cont. 1A)

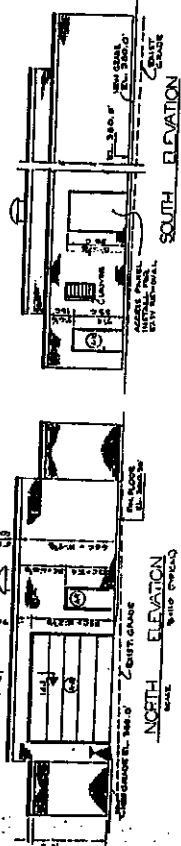
Inv. 372.75
 (Cont. 1A)



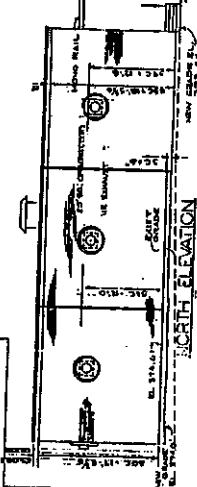
FLOOR PLAN
SCALE 1/8" = 1'-0"



FLOOR PLAN
SCALE 1/8" = 1'-0"



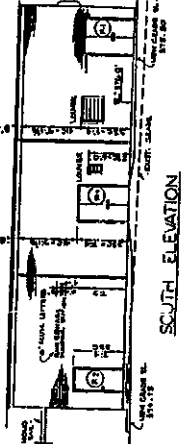
NOORTH ELEVATION



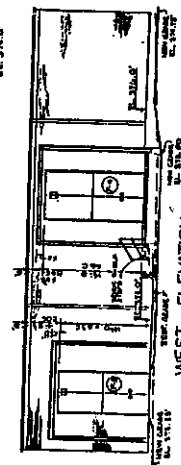
SOUTH ELEVATION



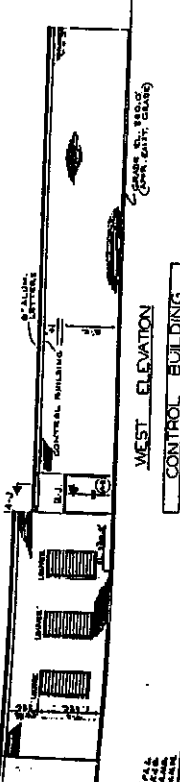
EAST ELEVATION



SOUTH ELEVATION



WEST ELEVATION



WEST ELEVATION
CONTROL BUILDING

RAW SEWAGE PUMPING STATION

Adjacent five digit numbers represent sample ID numbers.
 Highlight denotes sample contains asbestos.
 * marks sample location.

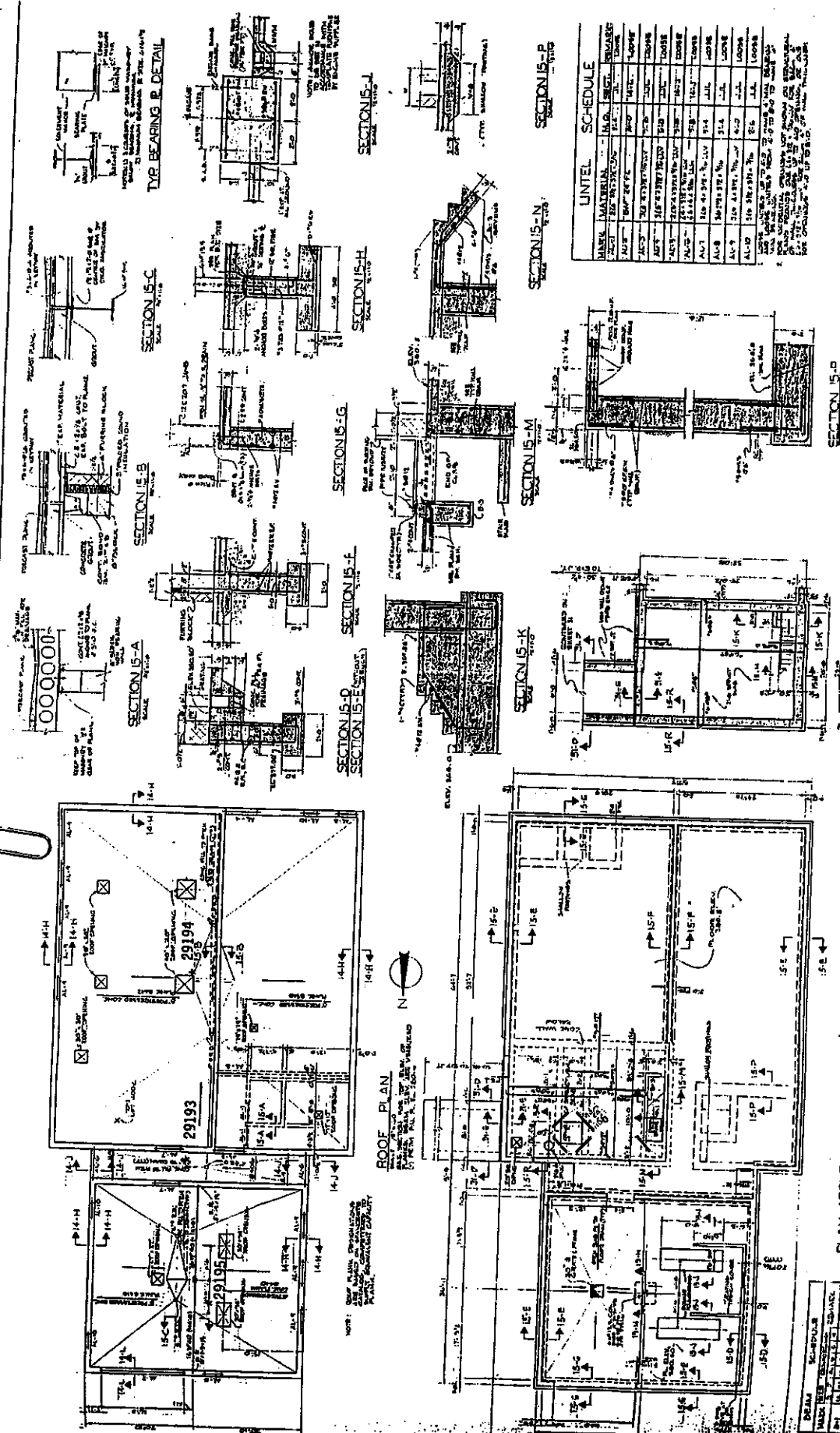
ILLINOIS STATE DEPARTMENT OF PUBLIC WORKS
 DIVISION OF DRAINAGE AND SANITATION
 BREWERTON WATER POLLUTION CONTROL PLANT
 CONTROL BLDG. & PUMPING STA.
 ARCHITECTURAL

TOWN OF OGDON, ILLINOIS
 BARTON, BROWN, GARDNER & LOUISVILLE, INC.
 CONSULTING ENGINEERS & ARCHITECTS
 100 N. W. 10th St., Ogdon, Ill. 62450
 PHONE NO. 312-337-1374

DATE: JULY 1989
 DRAWING NO. 13

SECKERLIN
 KLEPPER
 HAHN

ARCHITECTS



LINTEL SCHEDULE

MATERIAL	QTY	UNIT	NO.	DESCRIPTION
15-A	1	EA	1	15-A LINTEL
15-B	1	EA	1	15-B LINTEL
15-C	1	EA	1	15-C LINTEL
15-D	1	EA	1	15-D LINTEL
15-E	1	EA	1	15-E LINTEL
15-F	1	EA	1	15-F LINTEL
15-G	1	EA	1	15-G LINTEL
15-H	1	EA	1	15-H LINTEL
15-I	1	EA	1	15-I LINTEL
15-J	1	EA	1	15-J LINTEL
15-K	1	EA	1	15-K LINTEL
15-L	1	EA	1	15-L LINTEL
15-M	1	EA	1	15-M LINTEL
15-N	1	EA	1	15-N LINTEL
15-O	1	EA	1	15-O LINTEL
15-P	1	EA	1	15-P LINTEL

CONTROL BUILDING
 CONTROL PLANT
 STRUCTURAL

DIVISION OF HIGHWAYS AND
 BREWSTER WATER POLLUTION
 CONTROL PLANT

PROJECT NO. 29193
 SHEET NO. 10

Highlight denotes sample
 contains asbestos.
 * Marks sample location.
 Adjacent five digit numbers
 represent sample ID numbers.

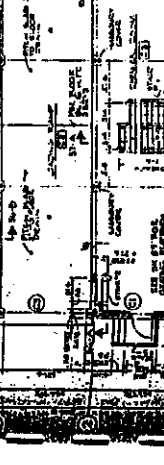
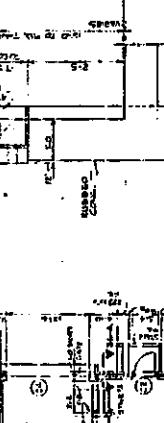
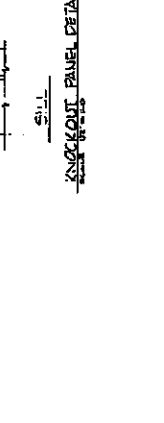
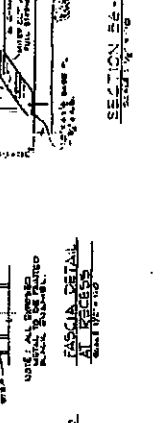
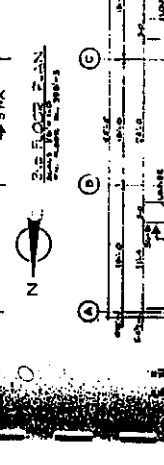
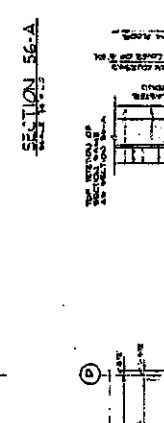
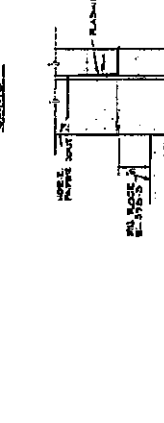
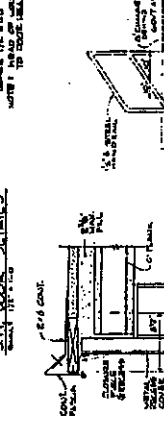
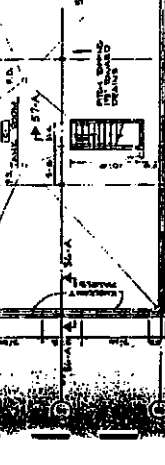
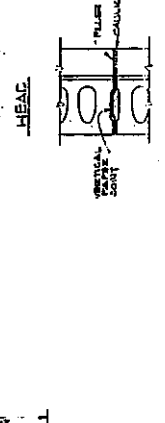
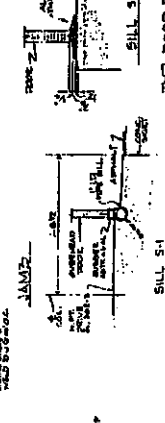
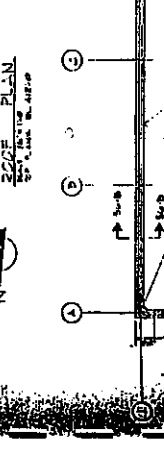
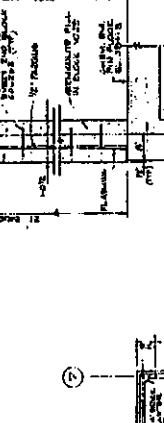
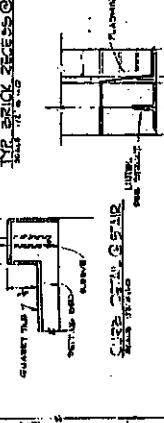
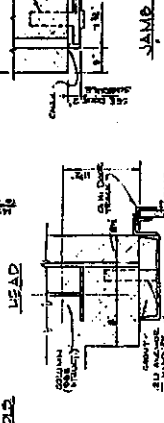
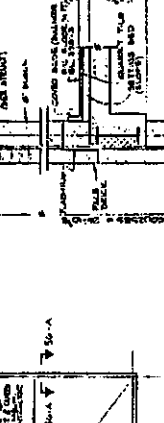
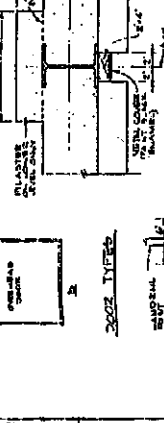
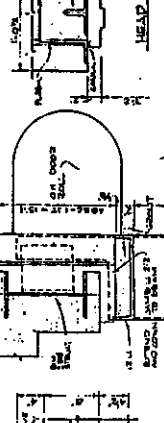
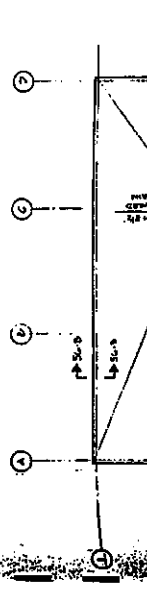
PLAN ABOVE ELEVATION 380.5'

REVISIONS

NO.	DATE	DESCRIPTION
1		
2		
3		
4		
5		

THE FOLLOWING TABLES SHOW THE UNIT WEIGHTS OF THE MATERIALS SPECIFIED IN THE DRAWINGS. THESE WEIGHTS ARE BASED ON THE WEIGHTS OF THE MATERIALS AS SPECIFIED IN THE DRAWINGS AND ARE NOT TO BE USED AS A BASIS FOR ESTIMATING THE WEIGHTS OF THE MATERIALS TO BE USED IN THE CONSTRUCTION OF THE BUILDING.

NO.	DESCRIPTION	WEIGHT PER CU. YD.
1	CONCRETE	150
2	GRAVEL	120
3	SAND	125
4	BRICK	160
5	GLASS	130
6	STEEL	490
7	CEMENT	144
8	ROOFING	100
9	INSULATION	35
10	PLASTER	120
11	PAINT	15
12	GLASS BLOCK	130
13	GLASS CURTAIN WALL	130
14	GLASS BLOCK CURTAIN WALL	130
15	GLASS BLOCK CURTAIN WALL WITH GLASS BLOCK	130
16	GLASS BLOCK CURTAIN WALL WITH GLASS BLOCK AND GLASS	130
17	GLASS BLOCK CURTAIN WALL WITH GLASS BLOCK AND GLASS AND GLASS BLOCK	130
18	GLASS BLOCK CURTAIN WALL WITH GLASS BLOCK AND GLASS AND GLASS BLOCK AND GLASS	130
19	GLASS BLOCK CURTAIN WALL WITH GLASS BLOCK AND GLASS AND GLASS BLOCK AND GLASS AND GLASS BLOCK	130
20	GLASS BLOCK CURTAIN WALL WITH GLASS BLOCK AND GLASS AND GLASS BLOCK AND GLASS AND GLASS BLOCK AND GLASS	130



CHESAPEAKE COUNTY DEPARTMENT OF PUBLIC WORKS
 BREWERTON WATER POLLUTION
 CONTROL PLANT
 CHEMICAL BUILDING
 ARCHITECTURAL

TOWN OF COBURN
 BARTON, PHOENIX, CHRYSLER & LOUISIERS
 ARCHITECTS
 1000 PINE BLVD., NEW YORK, N.Y. 10022
 PHONE: 212-693-1111

DATE: 11-19-67
 SHEET: 13 OF 20
 DRAWING NO.: 13-1111

