

Preliminary Environmental Characterization Report

**Current Conditions at Fiterman Hall
30 West Broadway
New York, New York**

Prepared for:
Dormitory Authority of the State of New York
&
The City University of New York

Prepared by:
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Environmental Characterization Report
 Fiterman Hall, 30 West Broadway, New York, NY
 Airtek Project #05-0867 – January 10, 2006

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Introduction

Airtek Environmental Corp. (Airtek) has been retained by Pei Cobb Freed & Partners, Architects, LLP (PCFP) on behalf of the Dormitory Authority of the State of New York (DASNY) and The City University of New York (CUNY) to conduct an environmental characterization study of the Fiterman Hall Building located at 30 West Broadway, New York, NY (Fiterman Hall, the Building, or 30 West Broadway). The Building is a 15-story, 370,000 (SF) classroom building owned by CUNY and operated prior to 9/11 by CUNY/Borough of Manhattan Community College. For purposes of the environmental decontamination and deconstruction of Fiterman Hall, DASNY is acting as and for the Building owner. The Building was physically damaged by the collapse of the 7 World Trade Center building, and impacted by the well-documented environmental effects of the entire World Trade Center (WTC) collapse of September 11, 2001.

Based upon the extent of the façade damage, its location on the south side of the Building facing the WTC site, and the documented incursion of WTC dust and debris, DASNY/CUNY and the Regulatory community have jointly concluded that the Building is contaminated and requires extensive environmental remediation prior to demolition. To ensure that this work is conducted in a manner that maximizes the protection of human health and the environment, project planning is based on the conservative assumption that the entire structure is contaminated.

This investigation was focused on environmental conditions within Fiterman Hall as they relate to the planning and specification of the environmental remediation and subsequent deconstruction of the structure (the Project). The investigation included review of data and observations recorded by previous environmental investigations conducted both prior and subsequent to the WTC collapse. The investigation also included focused site environmental investigations and testing designed to provide specific information germane to the remediation and deconstruction of Fiterman Hall.

1.0 Executive Summary:

The decision to approach the project on the assumption that the entire Building is contaminated obviated the

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need to expend time and resources delineating contaminated versus uncontaminated materials and spaces. The investigation therefore focuses on the nature of the Building materials, other materials and objects that remain within the Building and the structure and lay-out of the Building as it relates to the remediation and deconstruction process.

This investigation concludes that an environmental remediation involving the removal of all non-structural components remaining within the building, followed by a thorough cleaning and encapsulation of all remaining structural components is the safest and most efficient means to prepare the building for deconstruction.

In brief, other conclusions of note include the following:

Asbestos Monitoring: Testing conducted as required by the New York State Department of Labor under Industrial Code Rule 56 (56-17), indicates that the installation and operation of the site access facility at the northwest corner of the building has not resulted in the release of asbestos to the outside of the building. All sample results are within acceptable limits.

Personal Exposure Testing: The results of personal exposure sampling conducted to date indicate that the personal protective equipment specified in the original site Health & Safety Plan is sufficient personal protection for the contaminants tested for during the activities conducted to date.

Exterior Façade: Cleaning of the exterior façade of the Building conducted by the NYC DEP as a part of its WTC response was effective, and re-cleaning of the majority of the façade is not necessary or advisable. Cleaning of the lower two floors where urban background road dust has accumulated will be conducted, and focused cleaning of limited façade components that exhibit residual dust will be conducted as a part of the remediation/deconstruction Project. A more detailed discussion of façade conditions and their impact on the Project can be found in a companion document, *Façade Characterization Report, December 23, 2005*.

Asbestos-Containing Building Materials: While extensive abatement of asbestos-containing

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building materials (ACBMs) was conducted as a part of the prior renovations to the facility, some ACBMs remain that will be abated during the environmental Remediation Phase of the project. Non-friable ACBM spandrel flashing within the façade will be abated during the Deconstruction Phase of the Project. ✓

Lead-Based Paint: A survey for lead-based paint (LBP) conducted throughout the facility has determined that the Building is essentially lead-paint free. Only very limited lead-painted materials remain in the facility. This includes testing of structural steel where it is accessible for testing.

Contaminants of Potential Concern: Visual inspection and limited testing for the residual impact of WTC Contaminants of Potential Concern (CoPCs) was conducted within the Building. This testing was intended to be illustrative of conditions, and useful in verification of some aspects of the HASP for the site. The Building is assumed to be contaminated based on the nature of the WTC impact, and the results of prior investigations.

Waste Characterization: Preliminary testing of WTC dust within the building will be conducted to identify areas of the building where concentrations of RCRA – regulated contaminants within WTC dust may exist. These preliminary results will be used to guide decisions on testing and management of building contents and components impacted by the dust. Waste characterization for purposes of informing decisions on waste handling, packaging, transport and disposal is to be addressed in a companion document, *Regulatory Submittal Part IV - Waste Sampling and Management Plan* (WSMP), to be submitted with the regulatory submittals for the project. Waste characterization is an aspect of the project to be very closely monitored by the regulatory community, and is work that will be subject to a Quality Assurance Project Plan (QAPP). As such, it is recommended that the testing supporting this aspect of the project be conducted after review and approval of the WSMP and its associated QAPP by the Regulators.

Microbiological Contamination: Visual inspections for mold impact were conducted, and are ongoing as conditions change within the building over time. In general, mold impact is limited to the upper floors, and is most prevalent on the south side of the building where the façade was destroyed.

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While limited visible mold does exist, it will have little or no impact on the planning and execution of the environmental remediation and deconstruction of the building.

2.0 Previous Environmental Investigations

2.1 Pre-9/11 Asbestos and Lead Reports

In support of the gut renovation that was conducted and nearly completed at Fiterman Hall from 2000 through September 11, 2001, limited ACM & LBP surveys were conducted. These surveys identified materials that were then subject to abatement during the gut renovation. For the purpose of this study, records of the survey reports and records of the abatement projects conducted in support of the renovations were reviewed. The primary focus of the pre 9/11 abatement projects was ACM piping insulation on thermal systems. Extensive abatement of these materials was conducted.

2.2 Post 9/11 Environmental Investigations

Following 9/11/01, several consultants were engaged to conduct testing to gauge the environmental impact to Fiterman Hall. Sampling conducted by Applied Technology Services (“ATS”), Howard Bader Consultants (“Bader”), and Tiffany-Bader Environmental, Inc. (“TBE”) (“the Environmental Consultants”), confirmed the presence of a wide array of contaminants throughout the Building. The contaminants detected included asbestos, lead, dioxin, heavy metals, mercury, fungi, bacteria, and particulate dust. Other contaminants known to be associated with the WTC dust that can be presumed to exist in areas of Fiterman Hall include polycyclic aromatic hydrocarbons (PAHs), and polychlorinated biphenyls (PCBs). The results of these efforts support the conclusion that the entire structure should be assumed to be contaminated.

In 2002, Airtek was engaged to gather and format the environmental data generated and to review the type and extent of contamination reported by the Environmental Consultants.

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Airtek also conducted representative confirmatory sampling throughout Fiterman Hall for comparison to data from other WTC sites, and to published contaminant reference points. As an additional point of reference, Airtek reviewed WTC-specific human health risk assessment findings for the levels and types of contamination detected in the Building. The assessments determined that the potential impact of this contamination on healthy occupants and sensitive sub-populations including, but not limited to, pregnant women, children, the elderly, and immuno-compromised individuals was significant. The primary drivers of risk in the reviewed data were dioxin and lead. These are two of the contaminants of potential concern detected at elevated levels at Fiterman Hall.

Figure 1
CoPC Data from Previous Investigations
At 30 West Broadway-Fiterman Hall

Asbestos	Micro-vacuum	to 1,677,624 s/cm2
Mercury	Wipe Samples	0.68 to 27 ng/sf
Dioxin/Furans	Wipe Samples	0.65 to 64.69 ng/m2
PCBs	Wipe samples	23 samples - None Detected
Antimony	Wipe samples	<0.9 to 37 ug/sf
Arsenic	Wipe samples	<0.45 to 22 ug/sf
Beryllium	Wipe samples	0.038 to 0.14 ug/sf
Cadmium	Wipe samples	<0.19 to 14.7 ug/sf
Chromium	Wipe samples	<0.45 to 140 ug/sf
Copper	Wipe samples	<1.0 to 1,630 ug/sf
Iron	Wipe samples	<10 to 132,000 ug/sf
Lead	Wipe samples	<1.4 to 1226 ug/sf
Manganese	Wipe samples	0.20 to 1,140 ug/sf
Nickel	Wipe samples	<0.6 to 132 ug/sf
Zinc	Wipe samples	<3.3 to 15,900 ug/sf
Cadmium	Bulk Samples	1.45 to 30.3 mg/kg
Chromium	Bulk Samples	11.5 to 271 mg/kg
Copper	Bulk Samples	198 to 838 mg/kg
Iron	Bulk Samples	7,150 to 27,800 mg/kg
Lead	Bulk Samples	68.7 to 744 mg/kg
Manganese	Bulk Samples	0.20 to 1,140 mg/kg
Nickel	Bulk Samples	8.07 to 101 mg/kg
Zinc	Bulk Samples	486 to 13,400 mg/kg

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3.0 Purpose and Objectives of Current Investigation

DASNY/CUNY is committed to ensuring that appropriate safeguards are put in place at 30 West Broadway during the deconstruction process to protect workers and to prevent release of the contaminants that may be present into the surrounding community and the environment. The Characterization Study was conducted as the first step in the remediation and deconstruction process for this building.

An Asbestos Building Inspection and Material Survey was required to facilitate the proposed deconstruction of the Building and to comply with: (1) the New York City Department of Buildings (NYC DOB) permitting requirements, and (2) the pre-demolition requirements promulgated by the New York City Department of Environmental Protection (NYCDEP), Section I-53; the New York State Department of Labor (NYSDOL) Industrial Code, Rule 56: Asbestos Regulation, Title 15, Sections 56-1.4 and 56-1.9(e); and the U.S. EPA National Emissions Standards for Hazardous Air Pollutants (NESHAP) for asbestos-containing materials (ACM).

In addition to the asbestos survey, the specific objectives of this Characterization Study include:

- Conducting monitoring of the impact to the outside environment of entry to the building (per NYS DOL approved variance);
- Gathering the necessary exposure data related to the types and levels of air contaminants present prior to building cleaning and deconstruction that may be encountered by workers carrying out activities at the site during deconstruction and Providing data that may be applied to choosing the appropriate levels of worker protection at the site;
- Determining the physical and environmental condition of the façade and its components, as the façade is an integral part of the engineering control systems that will be used to safeguard the surrounding community and the environment;
- Providing pre-demolition background data for the site and surrounding environment;

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- Providing site-specific reference data to aid in determining what air contaminant measurements will be necessary in order to verify control of offsite emissions and safe working conditions during the deconstruction project;
- Providing data related to waste characterization efforts.

The study findings will assist in determining what measures and protocols may be required in support of the Fiterman Building cleaning and deconstruction plan. In particular, the results of the Study are intended to provide reference information allowing for informed decisions to be made by the project team regarding appropriate cleaning and deconstruction methods. These decisions include the development and implementation of engineering controls to contain the work zone (i.e., to ensure no exposure to the surrounding community during the cleaning and deconstruction) and appropriate methods for the disposal or recycling of materials generated by the cleaning and deconstruction activities. Using the available characterization results, DASNY/CUNY its consultants, and the selected deconstruction contractor can develop and implement appropriate deconstruction protocols and safety precautions for the cleaning and deconstruction process to ensure the health and safety of workers and the residents of the surrounding community.

4.0 Investigation Procedures and Analytical Methodologies

4.1 Site Access Monitoring

Daily area air monitoring for asbestos was conducted in accordance with ICR-56-17 and the site-specific conditions of NYSDOL-approved Variance Petition, File No. 05-0919. The variance conditions required that all analyses be conducted by Transmission Electron Microscopy (TEM). Air samples were collected from each decontamination facility clean room, within 10 feet from the termination of each negative air exhaust air duct, within 10 feet from the entrance to each decontamination unit, and within 10 feet of the building envelope barrier. Daily air monitoring was consistent with ICR-56-17.3 requirements.

4.2 Personal Exposure Testing

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Personal exposure monitoring was conducted in strict accordance with published sampling and analytical methodologies. These included National Institute for Occupational Safety & Health (NIOSH) and Occupation Safety & Health Administration (OSHA) sampling protocols. Analytes included Asbestos and the Contaminants of Potential Concern (CoPCs), as defined by the U.S. EPA's COPC Committee. These include Silica, Polycyclic Aromatic Hydrocarbons (PAHs), Dioxin, Polychlorinated Biphenyls (PCBs), Heavy Metals (Barium, Beryllium, Cadmium, Chromium, Copper, Lead, Manganese, Nickel, and Zinc), and Mercury.

To measure personnel exposure to airborne contaminants workplace air is sampled over an 8-hour period, or for the full work shift. Data from this sampling is calculated into an 8-hour time weighted average (TWA) for comparison to established worker exposure guidelines. An Airtek Industrial Hygienist observed and recorded general information about personnel work processes conducted during the sampling. Site workers were asked to voluntarily wear personal monitors to assess COPC exposure during site characterization field work.

4.3 Exterior Dust Investigation

As further described in the companion document *Façade Characterization Report*, a close visual inspection was conducted of the building façade as a part of an assessment of the need for exterior cleaning of the façade. In addition to visual inspection, wipe sampling of façade surfaces was conducted to assess residual heavy metals surface concentrations as an illustration of overall conditions.

Airtek environmental technicians collected heavy metals wipe samples from representative exterior surfaces at the 14th Floor Setback, the 5th floor setback, and at ground level. Samples were collected in accordance with the NIOSH 9100 dust wipe protocol for lead sampling. Wipe sampling was carried out in a carefully controlled manner in order to ensure the validity of the results. The samples were taken with commercially available "ghost-wipes." The area sampled was a precisely measured surface area. Careful precautions were taken in order to avoid cross contamination of samples and to keep track of sampling locations. The measurements and locations of the samples collected were

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recorded on a chain-of-custody form and submitted to a laboratory accredited by NYS DOH NELAC and the American Industrial Hygiene Association (“AIHA”) to perform analysis for metals in dust wipes according to the NIOSH 7300 (modified) analysis methodology.

4.4 Asbestos Containing Materials (ACBM) Survey

The asbestos inspection and bulk sampling procedures implemented were based on the guidelines established by the U.S. EPA in the *Guidance for Controlling Asbestos Containing Materials in Buildings*, Office of Pesticides and Toxic Substances, DOC #560/5-85-024 and 40 CFR Part 763, Asbestos Hazard Emergency Response Act (AHERA). Field information was organized according to the AHERA concept of Homogeneous Area (HA). A HA is defined as a suspect material of similar age, appearance, function, and texture. Each material was grouped together as a specific HA, sampled, and then assessed for condition.

Every accessible area and space of the Building, including the Roof, was physically inspected to determine the presence or absence of suspect ACM. Representative interstitial spaces were accessed to confirm the information contained in the reports of previous asbestos abatement projects.

4.5 Lead-Based Paint Survey

Where inspection revealed the presence of painted older building components, a portable battery powered X-Ray Fluorescence (XRF) scanner was used to read and analyze lead concentration of dried paint on surfaces. Readings equal to or in excess of 1.0 mg/cc if lead based on XRF analysis would be reported as lead-based paint. When the reading classification obtained from a surface has been determined to be within the inconclusive range, confirmation testing would be carried out by collecting a sample for laboratory analysis.

4.6 WTC COPC Impact Characterization Testing

4.6.1 Surface Sampling

Surface wipe sampling was conducted on a variety of surfaces regardless of dust loading.

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This sampling was intended to provide both comparative data to the previous sampling conducted at the site, and to provide data related to potential exposure from direct contact with building materials. Wipe sampling methods were employed to collect PCBs, PAHs, and metals (including mercury). Microvacuum sampling for asbestos was conducted. Sample locations were selected by dividing each floor into quadrants (North, East, West & South) and then sampling one quadrant per floor in a spiral down the building (16-North, 15-East, 14 South, 13-West, etc.). This sampling provides illustrative data results for each quadrant of the building for both higher, middle, and lower floors without oversampling.

PCBs and PAHs were collected on sterile gauze pads treated with a 4:1 acetone/hexane mixture, while metals were collected on ghost wipes. Samples were placed in sealed bags/jars and kept cold during transport and submittal to the approved analytical laboratory.

4.6.2 Mercury Vapor

Direct reading samples for mercury vapor taken using a Lumex RA 915+ portable mercury analyzer. Tours of accessible spaces were conducted with this handheld instrument throughout the building. Sampling was performed on all floors of the building.

4.6.3 Air Sampling

Personal air monitoring was conducted to gather CoPC data related to the impact to ambient air of work activity in the building, as discussed in Section 4.2 above.

4.7 Waste Characterization

Waste characterization testing of dust, building components and deconstruction debris categories is to be conducted upon review and approval of *Regulatory Submittal Part IV – Waste Sampling &*

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Management Plan, and its associated QAPP document.

As a part of the environmental characterization effort, an inventory of building contents other than building construction components was conducted. Particular attention was paid to the following categories of potential waste:

Universal Wastes:

40 CFR Part 273 and 6 NYCRR Section 374.3 establishes requirements for managing wastes referred to as, “Universal Wastes.” These are materials that would be classified as hazardous wastes, but due to their universal use in commercial, industrial, and residential properties, have been so categorized to reduce the regulatory burden on generators of these wastes.

Universal wastes include the following waste types:

- (1) Batteries as described in 40 CFR section 273.2 and 6 NYCRR Section 374-3.1(b)
- (2) Pesticides as described in 40 CFR section 273.3 and 6 NYCRR Section 374-3.1(c)
- (3) Thermostats as described in 40 CFR section 273.4 and 6 NYCRR Section 374-3.1(d)
- (4) Lamps as described in 40 CFR section 273.5 and 6 NYCRR Section 374-3.1(e)

Refrigerant-containing Equipment:

Non-hazardous construction and demolition materials may contain regulated refrigerant including, but not limited to, possible refrigerant in the air conditioning and refrigeration systems. Potentially refrigerant-containing equipment will be catalogued and identified for special handling and refrigerant capture.

Flammables/Caustics:

An inventory of materials requiring special handling and/or expedited removal was generated by visible inspections of materials left within the building.

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The inventory is included in Attachment VII.

4.8 Visual Inspection for Mold

Periodic visual inspections for microbiological growth have been conducted and are conducted periodically. Ongoing water incursion into the building has resulted in mold conditions that change over time.

5.0 Investigation Results

5.1 Site Access Monitoring

Testing conducted as required by the New York State Department of Labor under Industrial Code Rule 56 (56-17), indicates that the installation and operation of the site access facility at the northwest corner of the building has not resulted in the release of asbestos to the outside of the building. Daily sampling for asbestos has been conducted, samples have been analyzed by TEM (AHERA), and all sample results are within acceptable limits (70s/mm^2). A data summary is included Attachment I.

5.2 Personal Exposure Testing

The results of personal exposure sampling conducted to date indicate that the personal protective equipment specified in the original site Health & Safety Plan is sufficient personal protection for the contaminants tested for during the activities conducted to date:

Asbestos:	All results < OSHA PEL (0.1 f/cc)
Metals:	All results < OSHA PELs (Various – Attachment II)
Mercury Vapor:	All results < OSHA PEL (50ug/m^3)
Respirable Dust:	All results < OSHA PEL (5mg/m^3)
Silica:	All results below OSHA PEL ($10\text{mg/m}^3/\%\text{quartz}+2$)

5.3 Exterior Dust Investigation

Cleaning of the exterior façade of the Building conducted by the NYC DEP as a part of its WTC response was effective, and re-cleaning of the majority of the façade is not necessary or advisable. Cleaning of the lower two floors where urban background road dust has accumulated

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will be conducted, and focused cleaning of limited façade components that exhibit residual dust will be conducted as a part of the remediation/deconstruction Project. A data summary is included in Attachment III. A more detailed discussion of façade conditions and their impact on the Project can be found in a companion document, *Façade Characterization Report, December 23, 2005*.

5.4 Asbestos Containing Materials Survey

While extensive abatement of asbestos-containing building materials (ACBMs) was conducted as a part of the prior renovations to the facility, some ACBMs remain that will be abated as a part of the Project. These materials include:

1. VAT Flooring
2. Vapor Barrier on interior surface of façade block
3. Window Caulk on Stair Bulkhead Windows (Roof)
4. Spandrel Beam Flashing

As detailed in the companion document Regulatory Submittal Part I – Work plan, these materials will be abated during the Remediation Phase of the Project. The exception to this is the spandrel flashing, which must be abated as the façade is deconstructed, and therefore must be addressed during the Deconstruction Phase of the Project. The locations and quantities of these materials are detailed in Attachment IV.

5.5 Lead-Based Paint Survey

A survey for lead-based paint (LBP) conducted throughout the facility has determined that only very limited lead-painted materials remain in the facility. This includes testing of structural steel where it is accessible for testing. Details of this testing are included in Attachment V.

5.6 WTC COPC Impact Characterization Testing

Visual inspection and limited testing for the residual impact of WTC Contaminants of Potential Concern (CoPCs) was conducted within the Building. This testing was intended to be illustrative of conditions, and useful in verification of some aspects of the HASP for the site. A data summary of results of surface wipe sampling conducted for WTC CoPCs is included in Attachment VI.

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5.7 Waste Characterization Testing

Preliminary testing of WTC dust within the building will be conducted to identify areas of the building where concentrations of RCRA – regulated contaminants within WTC dust may exist. These preliminary results will be used to guide decisions on testing and management of building contents and components impacted by the dust. Waste characterization for purposes of informing decisions on waste handling, packaging, transport and disposal is to be addressed in a companion document, *Regulatory Submittal Part IV - Waste Sampling and Management Plan* (WSMP), to be submitted with the regulatory submittals for the project. Waste characterization is an aspect of the project to be very closely monitored by the regulatory community, and is work that will be subject to a Quality Assurance Project Plan (QAPP). As such, it is recommended that the testing supporting this aspect of the project be conducted after review and approval of the WSMP and its associated QAPP by the Regulators.

5.8 Visual Inspection for Mold

Visual inspections for mold impact were conducted, and are ongoing as conditions change within the building over time. In general, mold impact is limited to the upper floors, and is most prevalent on the south side of the building where the façade was destroyed. While limited visible mold does exist, it will have little or no impact on the planning and execution of the environmental remediation and deconstruction of the building.

6.0 Standards of Care

Airtek's work was performed in a professional manner. Our objective was to perform our work with care, exercising the customary skills and competence of consulting professionals. Conclusions presented in this report are professional opinions based upon visual observations of the site and laboratory results provided for review. These conclusions reflect only the results obtained and analyzed from specific sample locations. The opinions and recommendations presented herein apply to site conditions existing at the time of our observations. Airtek cannot act as insurers, and no expressed or implied representation or warrant is included or intended in our report except that our work was performed within the limits prescribed by our clients, and

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with the customary thoroughness and competence of our profession at the time and place the services were rendered.

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Attachment I Data Summary – Area Air Sampling for Asbestos (TEM)

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Attachment II Data Summary – Personal Exposure Sampling

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**Fiterman Hall
Personal Air Sampling
Characterization Phase**

Personal Air Samples Characterization Phase
General Air Sampling Classification is Environmental Sampling

Date	Arsenic	Boron	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	ACM	Dust	Silica
10/1/2005	ND	ND	ND	ND	ND	ND	ND	ND	0.0141		
10/2/2005	ND	ND	ND	ND	ND	ND	ND	ND	0.0094		
10/17/2005	ND	ND	ND	ND	ND	ND	ND	ND			
10/19/2005	ND	ND	ND	ND	ND	ND	ND	ND			
10/24/2005	ND	ND	ND	ND	ND	ND	ND	ND			
10/25/2005	ND	ND	ND	ND	ND	ND	ND	ND			
10/25/2005	ND	ND	ND	ND	ND	ND	ND	ND		0.176	
11/2/2005	ND	ND	ND	ND	ND	ND	ND	ND			ND
11/3/2005	ND	ND	ND	ND	ND	ND	ND	ND			
11/9/2005	ND	ND	ND	ND	ND	ND	ND	ND			
11/15/2005	ND	ND	ND	ND	ND	ND	ND	ND			
11/17/2005	ND	ND	ND	ND	ND	ND	ND	ND			
11/31/2005	ND	ND	ND	ND	ND	ND	ND	ND			
11/30/2005	ND	ND	ND	ND	ND	ND	ND	ND	0.0017		
12/5/2005	ND	ND	ND	ND	ND	ND	ND	ND	0.0012		
12/5/2005	ND	ND	ND	ND	ND	ND	ND	ND	0.0024		
12/5/2005	ND	ND	ND	ND	ND	ND	ND	ND	0.0002		
12/12/2005	ND	ND	ND	ND	ND	ND	ND	ND			
12/12/2005	ND	ND	ND	ND	ND	ND	ND	ND			

Note: Metals results are expressed in ug/sr
ACM is expressed in f/cc.
Dust and Silica are expressed in mg/m3

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Attachment III Data Summary – Façade Surface Sampling

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Fiterman Hall Exterior Wipe Sampling - Mercury, Lead, Polychlorinated Biphenyls (PCBs) and Polynuclear Aromatic Hydrocarbons (PAH)

Wipe Samples Taken on 9/29/05
 All results measured in ug x 100

Sample Location	Mercury	Lead	PCBs	PAH	Method
Exterior Ground Floor (S.W.)	ND	89.9	ND	Note 2	EPA TO-150
Exterior Ground Floor (S.W.)	0.49	11.1	ND	Note 2	EPA TO-150
Exterior Ground Floor (N.W.)	ND	3.65	ND	Note 2	EPA TO-150
Exterior Ground Floor (N.W.)	ND	2.25	ND	Note 2	EPA TO-150
Exterior Ground Floor (S.W.)	ND	5.7	ND	Note 2	EPA TO-150
Exterior Ground Floor (S.W.)	ND	9.4	ND	Note 2	EPA TO-150
Exterior Ground Floor (S.W.)	ND	1.6	ND	Note 2	EPA TO-150
Exterior Ground Floor (S.W.)	ND	1.96	ND	Note 2	EPA TO-150
Exterior Ground Floor (S.W.)	ND	3.6	ND	Note 2	EPA TO-150

Note 1: The exact location of each sample can be found in the Technical Report.

Note 2: Results Pending

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Attachment IV Data Summary – Asbestos Survey

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TABLE 1
SUMMARY OF INSPECTION RESULTS FOR ASBESTOS
 FITERMAN HALL 30 WEST BROADWAY, NEW YORK, NY 10007

PROPOSED WORK	SUSPECT ACM THAT MAY BE AFFECTED	LAB RESULTS	APPROXIMATE ACM QUANTITY	NOTES/SPECIFIC LOCATION
	Elbow drain insulation of water tower	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Roof shingle of water tower	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Louvers of cooling tower	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Silicone caulk	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Glazing	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Gypsum wallboard	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Condenser gasket	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Radiator backing	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Hard wall plaster	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Pyrobar building block	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Deck patch on I-beam above women's bathroom	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Cove moulding with glue	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Wall joint compound	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Adhesive on duct-fiberglass	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Patch on duct insulation	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Trowelled on cement on duct	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Mastic/Glue paper	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	White speckled 9x9 VFT	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Grey speckled 9x9 VFT	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Blue speckled 9x9 VFT	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Pipe wrapping in cage	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Mudded joint fitting elbow	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	White 12x12 VFT/mastic	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996
	Beige 12x12 VFT/mastic	Non ACM	0 SF	Confirmed by Applied Technology Services Inc. Aug. 1996

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PROPOSED WORK	SUSPECT ACM THAT MAY BE AFFECTED	LAB RESULTS	APPROXIMATE ACM QUANTITY	NOTES/SPECIFIC LOCATION
	Acoustical ceiling tile 4x2 and 2x2	Non ACM	0 SF	Confirmed by Applied Technology Services inc. Aug. 1996
	Spray-on fireproofing	Non ACM	0 SF	Confirmed by Applied Technology Services inc. Aug. 1996
	Blue 12x12 VFT/mastic	Non ACM	0 SF	Confirmed by Applied Technology Services inc. Aug. 1996
	Light grey 12x12 VFT/mastic	Non ACM	0 SF	Confirmed by Applied Technology Services inc. Aug. 1996
	Tar materials on perimeter walls	ACM	28,755 SF	1 st -15 th Floor
	Spandrel flashing mastic	PACM	28,755 SF	1 st -15 th Floor
	Paper mat's on perim walls	ACM	26,793 SF	2 nd -15 th Floor
	Fiber glass materials on perimeter walls	ACM	26,793 SF	2 nd -15 th Floor
	Felt materials on perimeter walls	Contaminated ACM	1,962 SF	1 st Floor
	Flashing mastic on beams	ACM	25 SF	Loading dock entrance
	Black cloth materials on beams	Contaminated ACM	25 SF	Loading dock entrance
	Roof materials	Non ACM	0 SF	Elevator machine room roof
	Flashing	Non ACM	0 SF	Elevator machine room roof
	Coping caulk	Non ACM	0 LF	Elevator machine room roof
	Cap flashing	Non ACM	0 SF	Elevator machine room roof
	Screed	Non ACM	0 SF	Elevator machine room roof
	Flashing	Non ACM	0 SF	Fan room roof
	Roof materials	Non ACM	0 SF	Stair roof
	Flashing	Non ACM	0 SF	Stair roof
	Side window caulking	ACM	8 LF	Stair roof
	Top window caulking	ACM	4 LF	Stair roof
	Window glazing	Non ACM	0 LF	Stair roof
	Screed	Non ACM	0 SF	Stair roof
	Roof materials	Non ACM	0 SF	New elevator mechanical room roof
	Flashing	Non ACM	0 SF	New elevator mechanical room roof
	Coping stone caulk	Non ACM	0 LF	New elevator mechanical room roof
	Side window caulking	ACM	8 LF	New elevator mechanical room roof
	Top window caulking	ACM	4 LF	New elevator mechanical room roof
	Screed	Non ACM	0 SF	New elevator mechanical room roof
	Roof materials	Non ACM	0 SF	15 th Floor roof
	Flashing	Non ACM	0 SF	15 th Floor roof
	Flashing	Non ACM	0 SF	14 th Floor roof
	Roof membrane	ACM	8,950 SF	14 th Floor roof
	Screed	Non ACM	0 SF	14 th Floor roof
	Roof membrane under screed	Non ACM	0 SF	14 th Floor roof
	Flashing	Non ACM	0 SF	5 th Floor roof
	Roof membrane	Non ACM	0 SF	5 th Floor roof
	Screed	Non ACM	0 SF	5 th Floor roof
	Brick wall mortar	Non ACM	0 SF	5 th & 15 th Floor

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PROPOSED WORK	SUSPECT ACM THAT MAY BE AFFECTED	LAB RESULTS	APPROXIMATE ACM QUANTITY	NOTES/SPECIFIC LOCATION
	Expansion joint caulking	Non ACM	0 SF	6 th & 15 th Floor
	Marble mortar & sealant	Non ACM	0 SF	1 st Floor exterior of the building
	Marble caulking	Non ACM	0 SF	1 st Floor exterior of the building
	Window frame caulking	ACM	3,000 LF	1 st Floor exterior of the building
	Column caulking	Non ACM	0 SF	1 st Floor exterior of the building
	Column mortar	Non ACM	0 SF	1 st Floor exterior of the building
	Floor covering materials	Assumed ACMs	288,000 SF	Throughout the building
Total Approximate Quantity of ACM			408,068 SF 3,024 LF	

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Attachment V Data Summary – LBP Testing

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No	Time	Dur	COMPONENT	COLOR	SIDE	SUBSTRATE	SPACE	FL #	ROOM	Results	DI	PbC	PbC Error
1	10/28/2005 8:23	56.66	SHUTTER_CAL										
2	10/28/2005 8:25	21.33	Calibrate										
3	10/28/2005 8:28	21.34	Calibrate										
4	10/28/2005 9:14	3.13	Wall	BEIGE	Side 2	SHEETROCK	Staircase	1	Staircase A	Positive 1.04	1.04	1	0.1
5	10/28/2005 9:15	2.5	Wall	BEIGE	Side 3	PLASTER	Staircase	1	Staircase A	Positive 2.68	2.68	1	0.1
6	10/28/2005 9:16	4.38	Wall	BEIGE	Side 3	CINDER BLK	Staircase	1	Staircase A	Negative 1.58	1.58	0	0.02
7	10/28/2005 9:17	1.88	Stair Riser	BEIGE	Room Center	METAL	Staircase	1	Staircase A	Negative 1	1	0	0.02
8	10/28/2005 9:18	4.38	Stair Under	BEIGE	Room Center	METAL	Staircase	1	Staircase A	Negative 2.31	2.31	0.09	0.08
9	10/28/2005 9:18	1.25	Baluster	BEIGE	Room Center	METAL	Staircase	1	Staircase A	Negative 1.32	1.32	0.06	0.07
10	10/28/2005 9:19	1.89	Hand Rail	BEIGE	Room Center	METAL	Staircase	1	Staircase A	Negative 1.77	1.77	0.1	0.05
11	10/28/2005 9:22	4.39	Wall	BEIGE	Room Center	METAL	Staircase	1	Staircase A	Negative 2.23	2.23	0.15	0.18
12	10/28/2005 9:22	3.13	Wall	BEIGE	Side 1	CINDER BLK	Staircase	2	Staircase A	Negative 1	1	0	0.02
13	10/28/2005 9:22	3.13	Wall	BEIGE	Side 2	CINDER BLK	Staircase	2	Staircase A	Negative 1.9	1.9	0.03	0.03
14	10/28/2005 9:23	4.38	Wall	BEIGE	Side 2	PLASTER	Staircase	2	Staircase A	Negative 2.65	2.65	0.04	0.07
15	10/28/2005 9:24	3.13	Wall	BEIGE	Side 3	PLASTER	Staircase	2	Staircase A	Negative 1.89	1.89	0.03	0.03
16	10/28/2005 9:26	1.88	EC	BEIGE	Side 1	CINDER BLK	Staircase	2	Staircase A	Negative 4.88	4.88	0.16	0.2
17	10/28/2005 9:27	4.38	FLOOR	BEIGE	Side 1	METAL	Staircase	2	Staircase A	Negative 1	1	0	0.02
18	10/28/2005 9:29	5.65	Stair Tread	BEIGE	ROOM CENTER	CONCRETE	Staircase	2	Staircase A	Negative 3.08	3.08	0.13	0.07
19	10/28/2005 9:29	1.88	Stair Riser	BEIGE	ROOM CENTER	METAL	Staircase	2	Staircase A	Negative 3.09	3.09	0.17	0.07
20	10/28/2005 9:30	1.88	Stair Skin	BEIGE	ROOM CENTER	METAL	Staircase	2	Staircase A	Negative 1.95	1.95	0.14	0.13
21	10/28/2005 9:31	1.88	Hand Rail	BEIGE	ROOM CENTER	METAL	Staircase	2	Staircase A	Negative 1.49	1.49	0.3	0.18
22	10/28/2005 9:32	1.88	Newel Post	BEIGE	ROOM CENTER	METAL	Staircase	2	Staircase A	Negative 4.47	4.47	0.27	0.3
23	10/28/2005 9:32	15.67	Baluster	BEIGE	ROOM CENTER	METAL	Staircase	2	Staircase A	Negative 1.98	1.98	0.4	0.2
24	10/28/2005 9:33	17.55	Baluster	BEIGE	ROOM CENTER	METAL	Staircase	2	Staircase A	Null	3.23	1	0.1
25	10/28/2005 9:34	3.78	Stair Under	BEIGE	ROOM CENTER	METAL	Staircase	2	Staircase A	Negative 3.14	3.14	1	0.1
26	10/28/2005 9:37	1.88	Staircase Ob	BEIGE	ROOM CENTER	METAL	Staircase	2	Staircase A	Negative 3.05	3.05	0.8	0.2
27	10/28/2005 9:38	1.88	Staircase Dr	LT-BLUE	Side 1	METAL	Staircase	5	Staircase A	Negative 4.42	4.42	0.05	0.06
28	10/28/2005 9:39	3.13	WALL	BEIGE	Side 1	CINDERBLOCK	Staircase	5	Staircase A	Negative 1	1	0	0.02
29	10/28/2005 9:39	2.51	WALL	BEIGE	Side 2	CINDERBLOCK	Staircase	5	Staircase A	Negative 4.43	4.43	0.11	0.15
30	10/28/2005 9:39	4.38	WALL	BEIGE	Side 3	CINDERBLOCK	Staircase	5	Staircase A	Negative 1	1	0	0.02
31	10/28/2005 9:41	8.78	Ceiling	BEIGE	Floor	CONCRETE	Staircase	5	Staircase A	Negative 6.65	6.65	0.26	0.17
32	10/28/2005 9:42	4.38	FLOOR	BEIGE	Floor	CONCRETE	Staircase	5	Staircase A	Negative 10	10	0.3	0.63
33	10/28/2005 9:44	4.38	Stair Tread	BEIGE	ROOM CENTER	METAL	Staircase	5	Staircase A	Negative 176	176	0.1	0.05
34	10/28/2005 9:45	1.88	Stair Riser	BEIGE	ROOM CENTER	METAL	Staircase	5	Staircase A	Negative 2.01	2.01	0.14	0.08
35	10/28/2005 9:45	1.89	Stair Skin	BEIGE	ROOM CENTER	METAL	Staircase	5	Staircase A	Negative 2.83	2.83	0.13	0.15
36	10/28/2005 9:46	5.01	Hand Rail	BEIGE	ROOM CENTER	METAL	Staircase	5	Staircase A	Negative 2.42	2.42	0.04	0.08
37	10/28/2005 9:46	1.88	Baluster	BEIGE	ROOM CENTER	METAL	Staircase	5	Staircase A	Negative 1	1	0	0.02
38	10/28/2005 9:47	2.3	Newel Post	BEIGE	ROOM CENTER	METAL	Staircase	5	Staircase A	Negative 2.72	2.72	0.08	0.12
39	10/28/2005 9:48	1.88	Stair Under	BEIGE	ROOM CENTER	METAL	Staircase	5	Staircase A	Negative 1.12	1.12	0.02	0.03
40	10/28/2005 9:51	1.86	Staircase Ob	ORANGE	Side 1	METAL	Staircase	8	Staircase A	Negative 3.44	3.44	0.16	0.2
41	10/28/2005 9:52	1.89	Staircase Dr	ORANGE	Side 1	METAL	Staircase	8	Staircase A	Negative 1	1	0	0.02
42	10/28/2005 9:53	4.38	WALL	BEIGE	Side 1	CINDERBLOCK	Staircase	8	Staircase A	Negative 1	1	0	0.02
43	10/28/2005 9:54	5.02	WALL	BEIGE	Side 2	CINDERBLOCK	Staircase	8	Staircase A	Negative 4.7	4.7	0.06	0.07
44	10/28/2005 9:54	4.41	WALL	BEIGE	Side 3	CINDERBLOCK	Staircase	8	Staircase A	Negative 1	1	0	0.02
45	10/28/2005 9:55	16.3	Ceiling	BEIGE	Ceiling	CONCRETE	Staircase	8	Staircase A	Negative 1.46	1.46	0.03	0.02
46	10/28/2005 9:56	4.39	Floor	BEIGE	Floor	CONCRETE	Staircase	8	Staircase A	Negative 3.2	3.2	0.6	0.4
										Negative 2.35	2.35	0.1	0.06

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No.	Time	Dur	COMPONENT	COLOR	SIDE	SUBSTRATE	SPACE	FL	ROOM	Results	DI	PbC	PbC Error
47	10/28/2005 9:57	1.88	Stair Riser	BEIGE	Room Center	METAL	Staircase	8	Staircase A	Negative	2.25	0.09	0.12
48	10/28/2005 9:58	4.39	Stair Tread	BEIGE	Room Center	METAL	Staircase	8	Staircase A	Negative	2.43	0.15	0.07
49	10/28/2005 9:58	1.88	Stair String	BEIGE	Room Center	METAL	Staircase	8	Staircase A	Negative	1	0	0.02
50	10/28/2005 9:59	2.5	Hand Rail	BEIGE	Room Center	METAL	Staircase	8	Staircase A	Negative	2.88	0.05	0.09
51	10/28/2005 9:59	2.5	Newel Post	BEIGE	Room Center	METAL	Staircase	8	Staircase A	Negative	2.07	0.02	0.04
52	10/28/2005 10:00	1.88	Baluster	BEIGE	Room Center	METAL	Staircase	8	Staircase A	Negative	1.51	0.06	0.07
53	10/28/2005 10:00	1.88	Stair Under	BEIGE	Room Center	METAL	Staircase	8	Staircase A	Negative	7.42	0.05	0.18
54	10/28/2005 10:01	1.88	Stair Under	RED	Side 3	METAL	Staircase	8	Staircase A	Negative	1	0.01	0.02
55	10/28/2005 10:02	1.88	Stair Under	RED	Side 3	METAL	Staircase	8	Staircase A	Negative	1	0	0.02
56	10/28/2005 10:02	1.88	Stair Under	RED	Side 3	METAL	Staircase	8	Staircase A	Negative	1	0	0.02
57	10/28/2005 10:07	5.01	POST	LT-YELLOW	Room Center	METAL	Loading Dock	8	LOAD DOCK	Positive	1.27	1.3	0.1
58	10/28/2005 10:08	2.5	Column Cover	LT-YELLOW	Room Center	METAL	Loading Dock	8	LOAD DOCK	Negative	1.06	0.4	0.2
59	10/28/2005 10:16	21.32	Calibrate							Positive	1.1	1.2	0.1
60	10/28/2005 10:17	20.71	Calibrate							Positive	2.76	1.2	0.1
61	10/28/2005 10:46	56.64	SHUTTER_CAL							Positive	1.07	1.1	0.1
62	10/28/2005 10:48	22.57	Calibrate							Positive	2.79	1.2	0.1
63	10/28/2005 10:49	21.38	Calibrate							Negative	3.15	0.28	0.11
64	10/28/2005 11:51	4.41	Stair Tread	BEIGE	Room Center	METAL	Staircase	11	Staircase A	Negative	2.2	0.09	0.11
65	10/28/2005 11:52	1.88	Stair Riser	BEIGE	Room Center	METAL	Staircase	11	Staircase A	Negative	1.34	0.01	0.03
66	10/28/2005 11:52	1.88	Stair String	BEIGE	Room Center	METAL	Staircase	11	Staircase A	Negative	1.8	0.08	0.09
67	10/28/2005 11:53	1.88	Baluster	BEIGE	Room Center	METAL	Staircase	11	Staircase A	Negative	3.26	0.06	0.1
68	10/28/2005 11:54	2.5	Newel Post	BEIGE	Room Center	METAL	Staircase	11	Staircase A	Negative	5.51	0.23	0.31
69	10/28/2005 11:55	1.88	Stair Under	BEIGE	Room Center	METAL	Staircase	11	Staircase A	Negative	2.52	0.04	0.07
70	10/28/2005 11:59	2.5	Hand Rail	BEIGE	Room Center	METAL	Staircase	11	Staircase A	Negative	2.42	0.06	0.04
71	10/28/2005 12:01	4.39	WALL	BEIGE	WALL 1	CINDERBLOCK	Staircase	11	Staircase A	Negative	1.85	0.05	0.03
72	10/28/2005 12:02	5.03	WALL	BEIGE	WALL 2	CINDERBLOCK	Staircase	11	Staircase A	Negative	2.88	0.09	0.05
73	10/28/2005 12:02	4.38	WALL	BEIGE	WALL 3	CONCRETE	Staircase	11	Staircase A	Negative	2.21	0.14	0.05
74	10/28/2005 12:05	5.01	LANDING	BEIGE	ROOM CENTER	METAL	Staircase	15	Staircase A	Negative	2.17	0.15	0.05
75	10/28/2005 12:05	4.38	Stair Tread	BEIGE	ROOM CENTER	METAL	Staircase	15	Staircase A	Negative	2.15	0.1	0.12
76	10/28/2005 12:10	1.88	Stair Riser	BEIGE	ROOM CENTER	METAL	Staircase	15	Staircase A	Negative	1.16	0.01	0.02
77	10/28/2005 12:10	1.88	Stair String	BEIGE	ROOM CENTER	METAL	Staircase	15	Staircase A	Null	2.1	0.04	0.17
78	10/28/2005 12:10	0.63	Baluster	BEIGE	ROOM CENTER	METAL	Staircase	15	Staircase A	Negative	1.62	0.04	0.08
79	10/28/2005 12:10	1.88	Newel Post	BEIGE	ROOM CENTER	METAL	Staircase	15	Staircase A	Negative	2.96	0.04	0.09
80	10/28/2005 12:11	1.88	Hand Rail	BEIGE	ROOM CENTER	METAL	Staircase	15	Staircase A	Negative	2.84	0.03	0.07
81	10/28/2005 12:11	1.88	Stair Under	BEIGE	ROOM CENTER	METAL	Staircase	15	Staircase A	Negative	1.48	0.01	0.04
82	10/28/2005 12:12	1.88	Stair Under	BEIGE	WALL 1	CINDERBLOCK	Staircase	15	Staircase A	Negative	2.12	0.05	0.04
83	10/28/2005 12:13	4.4	WALL	BEIGE	WALL 2	CINDERBLOCK	Staircase	15	Staircase A	Negative	2.88	0.07	0.11
84	10/28/2005 12:14	2.5	WALL	BEIGE	WALL 3	CINDERBLOCK	Staircase	15	Staircase A	Negative	3.96	0.13	0.17
85	10/28/2005 12:14	2.5	WALL	BEIGE	FLOOR	CONCRETE	Staircase	15	Staircase A	Negative	3.47	0.22	0.1
86	10/28/2005 12:15	5.02	LANDING	BEIGE						Positive	1.89	1.2	0.1
87	10/28/2005 12:28	20.7	Calibrate							Positive	2.81	1.3	0.1
88	10/28/2005 12:28	21.35	Calibrate							Positive	1.88	1.1	0.1
89	10/28/2005 12:32	21.34	Calibrate							Positive	2.78	1.2	0.1
90	10/28/2005 12:32	21.35	Calibrate							Positive	2.78	1.2	0.1
91	10/31/2005 9:05	56.68	SHUTTER_CAL							Positive	1.04	1	0.1
92	10/31/2005 9:14	21.86	Calibrate							Positive	1.04	1	0.1

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No	Time	Du	COMPONENT	COLOR	SIDE	SUBSTRATE	SPACE	FL #	ROOM	Results	DI	PbC	PbC Error
93	10/31/2005 9:15	21.23	Calibrate										
94	10/31/2005 9:23	1.88	Stair Riser	RED	Room Center	METAL	Staircase	1	Staircase CTR	Positive	2.72	1.2	0.1
95	10/31/2005 9:24	3.78	Stair Tread	RED	Room Center	METAL	Staircase	1	Staircase CTR	Negative	1	0	0.02
96	10/31/2005 9:25	2.49	Hand Rail	RED	Room Center	METAL	Staircase	1	Staircase CTR	Negative	1	0	0.02
97	10/31/2005 9:25	2.49	Stair Stair	RED	Room Center	METAL	Staircase	1	Staircase CTR	Negative	1	0	0.02
98	10/31/2005 9:27	1.89	Stair Riser	RED	Room Center	METAL	Staircase	3	Staircase CTR	Negative	1	0	0.02
99	10/31/2005 9:28	4.37	Stair Tread	RED	Room Center	METAL	Staircase	3	Staircase CTR	Negative	1.89	0	0.02
100	10/31/2005 9:28	1.87	Hand Rail	RED	Room Center	METAL	Staircase	3	Staircase CTR	Negative	1	0	0.02
101	10/31/2005 9:30	1.87	Stair Stair	RED	Room Center	METAL	Staircase	3	Staircase CTR	Negative	1	0	0.02
102	10/31/2005 9:33	1.87	Staircase Db	GRAY	Side 1	METAL	Staircase	3	Staircase CTR	Negative	1	0	0.02
103	10/31/2005 9:34	1.88	Staircase Dr	BEIGE	Side 1	METAL	Staircase	1	Staircase B	Negative	3.48	0.07	0.13
104	10/31/2005 9:36	4.37	Wall	BEIGE	Wall 1	METAL	Staircase	1	Staircase B	Negative	4.1	0.05	0.12
105	10/31/2005 9:36	3.74	Wall	BEIGE	Wall 3	CONCRETE	Staircase	1	Staircase B	Negative	1.91	0.01	0.02
106	10/31/2005 9:36	4.37	Wall	BEIGE	Wall 4	CONCRETE	Staircase	1	Staircase B	Negative	2.13	0.05	0.04
107	10/31/2005 9:38	2.49	Staircase	ORANGE	Wall 3	CONCRETE	Staircase	1	Staircase B	Negative	2.91	0.12	0.13
108	10/31/2005 9:39	1.88	Stair Riser	BEIGE	ROOM CENTER	METAL	Staircase	1	Staircase B	Negative	3.89	0.4	0.3
109	10/31/2005 9:41	4.36	Stair Tread	BEIGE	ROOM CENTER	METAL	Staircase	1	Staircase B	Negative	2.48	0.01	0.02
110	10/31/2005 9:41	1.87	Baluster	BEIGE	ROOM CENTER	METAL	Staircase	1	Staircase B	Null	5.28	0.4	0.4
111	10/31/2005 9:42	4.36	Baluster	BEIGE	ROOM CENTER	METAL	Staircase	1	Staircase B	Negative	5.78	-0.48	1.12
112	10/31/2005 9:43	1.87	Hand Rail	BEIGE	ROOM CENTER	METAL	Staircase	1	Staircase B	Negative	4.27	0.23	0.27
113	10/31/2005 9:45	1.87	Staircase Db	LT-YELLOW	Side 1	METAL	Staircase	3	Staircase B	Negative	1	0	0.02
114	10/31/2005 9:46	1.88	Staircase Dr	LT-YELLOW	Side 1	METAL	Staircase	3	Staircase B	Negative	1	0.01	0.03
115	10/31/2005 9:47	4.37	Wall	BEIGE	Side 1	PLASTER	Staircase	3	Staircase B	Negative	1.62	0.02	0.02
116	10/31/2005 9:47	6.23	Wall	BEIGE	Side 3	PLASTER	Staircase	3	Staircase B	Negative	1.43	0.01	0.02
117	10/31/2005 9:48	5	Wall	BEIGE	Side 4	PLASTER	Staircase	3	Staircase B	Negative	2.29	0.08	0.08
118	10/31/2005 9:48	2.49	Staircase	ORANGE	Side 3	METAL	Staircase	3	Staircase B	Negative	1.78	0.12	0.12
119	10/31/2005 9:50	1.87	Stair Riser	BEIGE	Room Center	METAL	Staircase	3	Staircase B	Negative	2.61	0.25	0.09
120	10/31/2005 9:50	4.36	Stair Tread	BEIGE	Room Center	METAL	Staircase	3	Staircase B	Negative	1	0	0.02
121	10/31/2005 9:52	1.87	Hand Rail	BEIGE	Room Center	METAL	Staircase	3	Staircase B	Negative	2.06	0.03	0.05
122	10/31/2005 9:52	2.49	Stair Stair	BEIGE	Room Center	METAL	Staircase	3	Staircase B	Negative	1.63	0.08	0.1
123	10/31/2005 9:53	1.25	Newel Post	BEIGE	Room Center	METAL	Staircase	3	Staircase B	Negative	1.62	0.02	0.04
124	10/31/2005 9:53	1.88	Baluster	BEIGE	Room Center	METAL	Staircase	3	Staircase B	Negative	1.95	0.01	0.03
125	10/31/2005 9:53	1.87	Stair Under	BEIGE	Room Center	METAL	Staircase	6	Staircase B	Negative	1.43	0.01	0.02
126	10/31/2005 9:56	3.12	WALL	BEIGE	WALL 1	CONCRETE	Staircase	6	Staircase B	Negative	5.81	0.03	0.05
127	10/31/2005 9:57	3.12	WALL	BEIGE	WALL 2	CONCRETE	Staircase	6	Staircase B	Negative	5.33	0.02	0.05
128	10/31/2005 9:57	4.36	WALL	BEIGE	WALL 3	CONCRETE	Staircase	6	Staircase B	Negative	2.33	0.03	0.06
129	10/31/2005 9:57	4.99	WALL	BEIGE	WALL 4	CONCRETE	Staircase	6	Staircase B	Null	10	0.08	0.25
130	10/31/2005 9:58	2.5	Staircase	ORANGE	WALL 2	PLASTER	Staircase	6	Staircase B	Negative	1	0	0.02
131	10/31/2005 10:01	2.5	Column	BEIGE	WALL 2	METAL	Staircase	6	Staircase B	Negative	1.56	0.11	0.1
132	10/31/2005 10:01	1.87	VENT COVER	BEIGE	WALL 2	METAL	Staircase	6	Staircase B	Negative	2.64	0.25	0.08
133	10/31/2005 10:03	1.87	Stair Riser	BEIGE	ROOM CENTER	METAL	Staircase	6	Staircase B	Negative	1.41	0.01	0.03
134	10/31/2005 10:03	6.24	Stair Tread	BEIGE	ROOM CENTER	METAL	Staircase	6	Staircase B	Negative	1	0.03	0.04
135	10/31/2005 10:04	3.12	Stair Stair	BEIGE	ROOM CENTER	METAL	Staircase	6	Staircase B	Negative	1.85	0.04	0.07
136	10/31/2005 10:05	1.87	Hand Rail	BEIGE	ROOM CENTER	METAL	Staircase	6	Staircase B	Negative	3	0.2	0.25
137	10/31/2005 10:05	1.87	Newel Post	BEIGE	ROOM CENTER	METAL	Staircase	6	Staircase B	Negative	3	0.2	0.25
138	10/31/2005 10:06	1.87	Baluster	BEIGE	ROOM CENTER	METAL	Staircase	6	Staircase B	Negative	3	0.2	0.25

Environmental Characterization Report
 Fitterman Hall, 30 West Broadway, New York, NY
 Airtek Project #05-0867 – January 10, 2006

Fitterman Hall
 Airtek Project #05-0867

No	Time	Dir	COMPONENT	COLOR	SIDE	SUBSTRATE	SPACE	FL #	ROOM	Results	DI	PbC	PbC Error
139	10/31/2005 10:06	1.87	Stair Under	BEIGE	ROOM CENTER	METAL	Staircase	6	Staircase B	Negative	1	0	0.02
140	10/31/2005 10:11	3.12	WALL	PURPLE	WALL 1	PLASTER	Staircase	12	Staircase B	Negative	2	0.01	0.03
141	10/31/2005 10:11	8.23	WALL	PURPLE	WALL 2	PLASTER	Staircase	12	Staircase B	Negative	1	0	0.02
142	10/31/2005 10:12	3.74	WALL	PURPLE	WALL 3	PLASTER	Staircase	12	Staircase B	Negative	7.64	0.04	0.08
143	10/31/2005 10:12	4.36	WALL	PURPLE	WALL 4	PLASTER	Staircase	12	Staircase B	Negative	2.39	0.01	0.02
144	10/31/2005 10:13	1.88	Stair Riser	BEIGE	ROOM CENTER	METAL	Staircase	12	Staircase B	Negative	1.88	0.06	0.1
145	10/31/2005 10:14	4.37	Stair Tread	BEIGE	ROOM CENTER	METAL	Staircase	12	Staircase B	Negative	3.68	0.23	0.11
146	10/31/2005 10:15	1.88	Stair String	BEIGE	ROOM CENTER	METAL	Staircase	12	Staircase B	Negative	1	0.01	0.02
147	10/31/2005 10:15	1.87	Hand Rail	BEIGE	ROOM CENTER	METAL	Staircase	12	Staircase B	Negative	1.08	0.01	0.03
148	10/31/2005 10:16	1.87	NEWEL POST	BEIGE	ROOM CENTER	METAL	Staircase	12	Staircase B	Negative	2.28	0.04	0.08
149	10/31/2005 10:16	1.87	Baluster	BEIGE	ROOM CENTER	METAL	Staircase	12	Staircase B	Negative	2.28	0.04	0.08
150	10/31/2005 10:17	4.36	Stair Under	BEIGE	ROOM CENTER	METAL	Staircase	12	Staircase B	Negative	2.28	0.12	0.13
151	10/31/2005 10:20	0.62	Roof DrBuck	YELLOW	WALL 1	METAL	Staircase	12	Staircase B	Negative	6.33	-0.5	1.08
152	10/31/2005 10:21	1.87	Roof DrBuck	YELLOW	WALL 1	METAL	Staircase	15	Staircase B	Null	1	0.01	0.05
153	10/31/2005 10:21	1.87	Roof DOOR	YELLOW	WALL 1	METAL	Staircase	15	Staircase B	Negative	7.17	0.12	0.27
154	10/31/2005 10:22	1.88	STANDPIPE	ORANGE	WALL 3	METAL	Staircase	15	Staircase B	Negative	1	0	0.02
155	10/31/2005 10:24	1.89	PIPES	PURPLE	WALL 3	METAL	Staircase	15	Staircase B	Negative	1.91	0.03	0.06
156	10/31/2005 10:25	1.87	Stair Riser	BEIGE	Room Center	FIBERGLASS	Staircase	15	Staircase B	Negative	1	0	0.02
157	10/31/2005 10:25	4.90	Stair Tread	BEIGE	Room Center	METAL	Staircase	15	Staircase B	Negative	1.52	0.06	0.07
158	10/31/2005 10:25	1.87	Baluster	BEIGE	Room Center	METAL	Staircase	15	Staircase B	Negative	1.73	0.05	0.03
159	10/31/2005 10:26	1.87	Stair String	BEIGE	Room Center	METAL	Staircase	15	Staircase B	Negative	1.94	0.07	0.08
160	10/31/2005 10:27	2.49	Hand Rail	BEIGE	Room Center	METAL	Staircase	15	Staircase B	Negative	1	0.01	0.02
161	10/31/2005 10:27	1.87	Newel Post	BEIGE	Room Center	METAL	Staircase	15	Staircase B	Negative	3	0.05	0.08
162	10/31/2005 10:28	0.62	Column	BEIGE	Side 2	PLASTER	Staircase	15	Staircase B	Negative	2.32	0.05	0.08
163	10/31/2005 10:28	4.99	Column	BEIGE	Side 2	PLASTER	Staircase	15	Staircase B	Null	1	0.04	0.1
164	10/31/2005 10:42	3.12	WALL	BEIGE	WALL 1	PLASTER	Staircase	15	Staircase B	Negative	1.35	0.04	0.02
165	10/31/2005 10:43	2.49	WALL	BEIGE	WALL 1	SHEETROCK	Staircase	1	Staircase C	Negative	1	0	0.02
166	10/31/2005 10:44	2.49	WALL	BEIGE	WALL 3	SHEETROCK	Staircase	1	Staircase C	Negative	1	0	0.02
167	10/31/2005 10:45	1.87	Stair Riser	BEIGE	WALL 4	SHEETROCK	Staircase	1	Staircase C	Negative	1	0	0.02
168	10/31/2005 10:45	4.38	STAIR TREAD	BEIGE	ROOM CENTER	METAL	Staircase	1	Staircase C	Negative	1	0	0.02
169	10/31/2005 10:48	1.26	Baluster	BEIGE	ROOM CENTER	METAL	Staircase	1	Staircase C	Negative	1	0	0.02
170	10/31/2005 10:49	1.88	Hand Rail	BEIGE	ROOM CENTER	METAL	Staircase	1	Staircase C	Negative	1	0	0.02
171	10/31/2005 10:52	4.99	WALL	PURPLE	WALL 1	PLASTER	Staircase	5	Staircase C	Negative	1	0	0.02
172	10/31/2005 10:52	6.86	WALL	PURPLE	WALL 2	PLASTER	Staircase	5	Staircase C	Negative	7.67	0.07	0.1
173	10/31/2005 10:53	0.62	WALL	PURPLE	WALL 3	PLASTER	Staircase	5	Staircase C	Negative	3.25	0.02	0.03
174	10/31/2005 10:53	3.74	WALL	PURPLE	WALL 3	PLASTER	Staircase	5	Staircase C	Null	2.83	0.04	0.21
175	10/31/2005 10:54	3.75	WALL	PURPLE	WALL 4	PLASTER	Staircase	5	Staircase C	Negative	1.45	0.01	0.02
176	10/31/2005 10:54	1.87	STANDPIPE	ORANGE	WALL 4	METAL	Staircase	5	Staircase C	Negative	4.04	0.04	0.08
177	10/31/2005 10:57	3.78	Staircase Db	TEAL	WALL 1	METAL	Staircase	5	Staircase C	Negative	2.78	0.02	0.07
178	10/31/2005 10:57	1.87	Staircase Dr	TEAL	WALL 1	METAL	Staircase	5	Staircase C	Negative	3.8	0.6	0.2
179	10/31/2005 10:58	1.87	Stair Riser	BEIGE	Room Center	METAL	Staircase	5	Staircase C	Null	5.9	0.6	0.5
180	10/31/2005 10:59	4.36	Stair Tread	BEIGE	Room Center	METAL	Staircase	5	Staircase C	Negative	2.05	0.18	0.19
181	10/31/2005 11:00	1.87	Stair String	BEIGE	Room Center	METAL	Staircase	5	Staircase C	Negative	5.21	0.5	0.2
182	10/31/2005 11:01	1.87	Hand Rail	BEIGE	Room Center	METAL	Staircase	5	Staircase C	Negative	1.18	0.01	0.03
183	10/31/2005 11:02	4.37	Newel Post	BEIGE	Room Center	METAL	Staircase	5	Staircase C	Negative	1.89	0.05	0.08
184	10/31/2005 11:02	1.87	Baluster	BEIGE	Room Center	METAL	Staircase	5	Staircase C	Negative	6.27	-0.42	1.16
										Negative	1.48	0.1	0.08

Environmental Characterization Report
 Fiterman Hall, 30 West Broadway, New York, NY
 Airtek Project #05-0867 – January 10, 2006

Fiterman Hall
 Airtek Project #05-0867

No	Time	Dur	COMPONENT	COLOR	SIDE	SUBSTRATE	SPACE	FL #	ROOM	Results	DI	PSc	PSc Error
185	10/31/2005 11:03	1.88	Stair Under	BEIGE	Room Center	METAL	Staircase	5	Staircase C	Negative	2.33	0.18	0.17
186	10/31/2005 11:07	4.38	WALL	BEIGE	WALL 1	PLASTER	Staircase	10	Staircase C	Negative	2.36	0.04	0.03
187	10/31/2005 11:07	4.37	WALL	BEIGE	WALL 2	PLASTER	Staircase	10	Staircase C	Negative	1	0.01	0.02
188	10/31/2005 11:08	4.36	WALL	BEIGE	WALL 3	PLASTER	Staircase	10	Staircase C	Negative	3.62	0.06	0.06
189	10/31/2005 11:08	4.38	WALL	BEIGE	WALL 4	PLASTER	Staircase	10	Staircase C	Negative	3.12	0.08	0.08
190	10/31/2005 11:10	4.36	Stair Riser	BEIGE	Room Center	METAL	Staircase	10	Staircase C	Negative	2.78	0.22	0.09
191	10/31/2005 11:10	4.36	Stair Tread	BEIGE	Room Center	METAL	Staircase	10	Staircase C	Negative	3	0.24	0.1
192	10/31/2005 11:11	4.36	Stair String	BEIGE	Room Center	METAL	Staircase	10	Staircase C	Negative	3.54	0.3	0.13
193	10/31/2005 11:11	1.88	Hand Rail	BEIGE	Room Center	METAL	Staircase	10	Staircase C	Negative	1	0.02	0.03
194	10/31/2005 11:12	4.38	Baluster	BEIGE	Room Center	METAL	Staircase	10	Staircase C	Negative	3.74	0.3	0.13
195	10/31/2005 11:12	5.62	Hand Rail Post	BEIGE	Room Center	METAL	Staircase	10	Staircase C	Negative	3.17	0.23	0.09
196	10/31/2005 11:13	4.38	Stair Under	BEIGE	WALL 1	PLASTER	Staircase	15	Staircase C	Negative	4.66	0.5	0.2
197	10/31/2005 11:18	3.76	WALL	BEIGE	WALL 2	PLASTER	Staircase	15	Staircase C	Negative	4.28	0.02	0.04
198	10/31/2005 11:18	4.36	WALL	BEIGE	WALL 3	PLASTER	Staircase	15	Staircase C	Negative	4.28	0.02	0.04
199	10/31/2005 11:18	4.36	WALL	BEIGE	WALL 4	PLASTER	Staircase	15	Staircase C	Negative	1.97	0.01	0.02
200	10/31/2005 11:19	2.49	WALL	BEIGE	WALL 2	PLASTER	Staircase	15	Staircase C	Null	4.26	0.02	0.08
201	10/31/2005 11:20	1.87	ElectConduit	ORANGE	WALL 4	METAL	Staircase	15	Staircase C	Negative	1	0	0.02
202	10/31/2005 11:21	1.87	Stair Riser	BEIGE	Room Center	METAL	Staircase	15	Staircase C	Negative	3.28	0.07	0.17
203	10/31/2005 11:21	1.88	Stair Tread	BEIGE	Room Center	METAL	Staircase	15	Staircase C	Negative	4.42	0.06	0.14
204	10/31/2005 11:21	3.12	Stair String	BEIGE	Room Center	METAL	Staircase	15	Staircase C	Null	3.61	0.05	0.09
205	10/31/2005 11:22	3.76	Hand Rail	BEIGE	Room Center	METAL	Staircase	15	Staircase C	Negative	3.44	0.05	0.09
206	10/31/2005 11:22	1.68	Hand Rail Post	BEIGE	Room Center	METAL	Staircase	15	Staircase C	Negative	4.36	0.09	0.17
207	10/31/2005 11:23	1.88	Baluster	BEIGE	Room Center	METAL	Staircase	15	Staircase C	Negative	3.49	0.05	0.11
208	10/31/2005 11:23	4.36	Stair Under	BEIGE	Room Center	METAL	Staircase	15	Staircase C	Negative	3.85	-0.8	1.19
209	10/31/2005 11:35	13.78	Calibrate	BEIGE	Room Center	METAL	Staircase	15	Staircase C	Positive	1.09	1.1	0.1
210	10/31/2005 11:37	10	Calibrate	BEIGE	Room Center	METAL	Staircase	15	Staircase C	Positive	1.1	1.1	0.1
211	10/31/2005 11:38	21.28	Calibrate	BEIGE	Room Center	METAL	Staircase	15	Staircase C	Positive	1.87	1.1	0.1
212	10/31/2005 11:38	21.87	Calibrate	BEIGE	Room Center	METAL	Staircase	15	Staircase C	Positive	2.78	1.2	0.1
213	11/1/2005 8:24	56.67	SHUTTER_CAL	BEIGE	Room Center	METAL	Staircase	15	Staircase C	Positive	2.77	1.2	0.1
214	11/1/2005 8:31	21.78	Calibrate	BEIGE	Room Center	METAL	Staircase	15	Staircase C	Positive	1.06	1.1	0.1
215	11/1/2005 8:32	21.25	Calibrate	BROWN	Room Center	STEEL	NE CORNER	3	NE CORNER	Positive	2.77	1.2	0.1
216	11/1/2005 9:08	3.12	COLUMN	BROWN	Room Center	STEEL	SOUTHSIDE	3	SOUTHSIDE	Negative	1	0	0.02
217	11/1/2005 9:13	1.87	COLUMN	BROWN	Room Center	STEEL	EASTSIDE	3	EASTSIDE	Negative	1	0	0.02
218	11/1/2005 9:18	1.88	COLUMN	RED	Room Center	PLASTER	EASTSIDE	4	EASTSIDE	Positive	1.37	2.4	0.6
219	11/1/2005 9:21	4.38	WALL	BEIGE	WALL 4	PLASTER	SOUTHSIDE	4	SOUTHSIDE	Negative	3.57	0.03	0.04
220	11/1/2005 9:23	1.87	COLUMN	BROWN	Room Center	STEEL	SOUTHSIDE	4	SOUTHSIDE	Negative	1	0	0.02
221	11/1/2005 9:25	3.12	COLUMN	BLUE	Room Center	PLASTER	WESTSIDE	5	WESTSIDE	Negative	1	0	0.02
222	11/1/2005 9:29	0.62	COLUMN	BROWN	Room Center	STEEL	NE CORNER	5	NE CORNER	Null	1	0	0.02
223	11/1/2005 9:29	1.87	COLUMN	BROWN	Room Center	PLASTER	NE CORNER	5	NE CORNER	Negative	1	0	0.02
224	11/1/2005 9:33	1.86	COLUMN	BROWN	Room Center	STEEL	NE CORNER	5	NE CORNER	Negative	1	0	0.02
225	11/1/2005 9:34	3.76	COLUMN	WHITE	Room Center	STEEL	EASTSIDE	5	EASTSIDE	Negative	1	0	0.02
226	11/1/2005 9:36	1.88	COLUMN	BROWN	Room Center	PLASTER	EASTSIDE	5	EASTSIDE	Negative	1	0	0.02
227	11/1/2005 9:38	1.87	Pipe-Sewage	BROWN	Room Center	STEEL	SE CORNER	5	SE CORNER	Negative	1	0	0.02
228	11/1/2005 9:39	1.88	COLUMN	BROWN	Room Center	METAL	SOUTHSIDE	5	SOUTHSIDE	Negative	1	0	0.02
229	11/1/2005 9:45	1.88	COLUMN	BROWN	Room Center	STEEL	SOUTHSIDE	5	SOUTHSIDE	Negative	1	0	0.02
230	11/1/2005 9:45	4.37	COLUMN	BEIGE	Room Center	PLASTER	SE CORNER	7	SE CORNER	Negative	2.2	0.4	0.1

Environmental Characterization Report
Fiterman Hall, 30 West Broadway, New York, NY
Airtek Project #05-0867 – January 10, 2006

Fiterman Hall
Airtek Project #05-0867

No	Time	Dir	COMPONENT	COLOR	SIDE	SUBSTRATE	SPACE	FL #	ROOM	Results	DI	PbC	PbC Error
231	11/1/2005 9:47	1.88	COLUMN	LT-YELLOW	ROOM CENTER	PLASTER	SW CORNER	7		Negative	1	0	0.02
232	11/1/2005 9:49	1.87	COLUMN	BROWN	ROOM CENTER	STEEL	NW CORNER	7	F716	Negative	1	0	0.02
233	11/1/2005 9:51	1.89	Elev Door	YELLOW	ROOM CENTER	METAL	HALLWAY	7		Negative	1.45	0	0.02
234	11/1/2005 9:51	1.87	Elev Dr/Buck	YELLOW	ROOM CENTER	METAL	HALLWAY	7		Negative	1.73	0.01	0.03
235	11/1/2005 10:01	1.89	Column	BROWN	ROOM CENTER	STEEL	EASTSIDE	8		Negative	1	0	0.02
236	11/1/2005 10:11	1.87	Column	BROWN	ROOM CENTER	STEEL	WESTSIDE	8		Negative	1	0	0.02
237	11/1/2005 10:19	1.86	Column	BLUE	ROOM CENTER	PLASTER	NORTH SIDE	9		Negative	1	0	0.02
238	11/1/2005 10:23	1.88	Column	BROWN	ROOM CENTER	STEEL	EASTSIDE	9		Negative	1	0	0.02
239	11/1/2005 10:26	1.88	Column	WHITE	ROOM CENTER	PLASTER	SW CORNER	9		Negative	1	0.02	0.04
240	11/1/2005 10:49	1.88	Column	WHITE	ROOM CENTER	PLASTER	SW CORNER	9		Negative	1	0	0.02
241	11/1/2005 10:55	0.82	Column	BROWN	ROOM CENTER	STEEL	NE CORNER	10		Null	1	0	0.02
242	11/1/2005 10:56	1.87	Column	BROWN	ROOM CENTER	STEEL	NE CORNER	10		Negative	1	0	0.02
243	11/1/2005 10:59	3.12	Column	BLUE	ROOM CENTER	PLASTER	HALL	10		Negative	1	0	0.02
244	11/1/2005 11:11	1.87	Column	BROWN	ROOM CENTER	STEEL	NE CORNER	11	1131	Negative	1	0	0.02
245	11/1/2005 11:15	1.87	Column	BROWN	ROOM CENTER	STEEL	EASTSIDE	11	1131	Negative	1	0	0.02
246	11/1/2005 11:20	1.87	Column	WHITE	ROOM CENTER	PLASTER	SW CORNER	11		Negative	1	0	0.02
247	11/1/2005 11:23	1.88	Column	WHITE	ROOM CENTER	PLASTER	SW CORNER	12		Negative	1	0	0.02
248	11/1/2005 11:44	1.87	Column	BROWN	ROOM CENTER	STEEL	EASTSIDE	12		Negative	1	0	0.02
249	11/1/2005 11:50	1.88	Column	BROWN	ROOM CENTER	STEEL	NORTH SIDE	13		Negative	1	0	0.02
250	11/1/2005 12:12	4.38	Column	GRAY	ROOM CENTER	PLASTER	EASTSIDE	13		Negative	1	0	0.02
251	11/1/2005 12:17	1.87	Column	BROWN	ROOM CENTER	STEEL	SOUTH SIDE	15	MECH ROOM	Negative	4.73	0.5	0.2
252	11/1/2005 12:20	1.88	Column	BROWN	ROOM CENTER	STEEL	NORTH SIDE	15		Negative	1	0.08	0.07
253	11/1/2005 12:37	21.24	Calibrate							Negative	1	0.08	0.06
254	11/1/2005 12:37	21.24	Calibrate							Positive	1.07	1.2	0.1
255	11/1/2005 12:38	21.24	Calibrate							Positive	3.02	1.3	0.1
166	11/1/2005 11:02	56.75	SHUTTER_CAL							Positive	2.79	1.2	0.1
167	11/1/2005 11:05	20.32	Calibrate							Positive	1.07	1	0.1
168	11/1/2005 11:05	22.19	Calibrate							Positive	2.88	1.2	0.1
169	11/1/2005 11:43	1.85	Wall	LT-BLUE	Side 1	PLASTER	LOADING DOCK	1		Negative	1	0	0.02
170	11/1/2005 11:44	2.46	Wall	BEIGE	Side 2	PG BLOCK	LOADING DOCK	1		Negative	1	0	0.02
171	11/1/2005 11:44	2.46	Wall	LT-GREEN	Side 4	CINDERBLOCK	LOADING DOCK	1		Negative	1	0.01	0.02
172	11/1/2005 11:44	1.84	Column	LT-GREEN	Side 4	PLASTER	LOADING DOCK	1		Negative	1	0	0.02
173	11/1/2005 11:44	1.84	Door Buck	LT-GREEN	Side 4	METAL	LOADING DOCK	1		Negative	1	0	0.02
174	11/1/2005 11:46	6.14	Wall	MULTI-COLOR	Side 1	CERAMCTILE	Lobby	1		Negative	1	0	0.02
175	11/1/2005 11:47	4.3	Wall	WHITE	Side 4	CERAMCTILE	Lobby	1		Negative	1	0.7	0.3
176	11/1/2005 11:48	3.08	Wall	WHITE	Side 1	PLASTER	EAST CORNER	1		Negative	1	0.6	0.3
177	11/1/2005 11:48	2.46	Wall	WHITE	Side 1	PLASTER	EAST CORNER	1		Negative	1	0	0.02
178	11/1/2005 11:48	2.46	Wall	WHITE	Side 2	SHEETROCK	EAST CORNER	1		Negative	1	0	0.02
179	11/1/2005 11:49	1.85	Column	WHITE	Side 3	SHEETROCK	EAST CORNER	1		Negative	1	0	0.02
180	11/1/2005 11:49	2.48	Door Buck	WHITE	Room Center	PLASTER	EAST CORNER	1		Negative	1	0	0.02
181	11/1/2005 11:50	17.85	Door Buck	WHITE	Side 1	METAL	EAST CORNER	1		Null	2.45	0.03	0.08
182	11/1/2005 11:50	4.91	Door Buck	WHITE	Side 1	METAL	EAST CORNER	1		Null	6.8	0.9	0.2
183	11/1/2005 11:50	4.91	Door Buck	WHITE	Side 1	METAL	EAST CORNER	1		Negative	6.08	0.11	0.1
184	11/1/2005 11:51	1.84	Pipe Cover	BEIGE	Side 1	METAL	EAST CORNER	1		Negative	1.18	0.02	0.04
185	11/1/2005 11:54	2.48	StaircaseDr	LT-GREEN	Side 4	FIBERGLASS	EAST CORNER	1		Negative	1	0	0.04
186	11/1/2005 11:54	1.85	StaircaseDr	LT-GREEN	Side 1	METAL	CORR STC A	4		Negative	1	0	0.02
							CORR STC A	4		Negative	1	0	0.02

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No	Time	Day	COMPONENT	COLOR	SIDE	SUBSTRATE	SPACE	FL	ROOM	Results	DI	PbC	PbC Error
187	11/11/2005 11:55	246	Wall	LT-GREEN	Side 1	PLASTER	CORR-STC A	4		Negative	1	0	0.02
188	11/11/2005 11:55	246	Wall	LT-GREEN	Side 3	PLASTER	CORR-STC A	4		Negative	1	0	0.02
189	11/11/2005 11:55	184	Elev DirBuck	LT-GREEN	Side 3	METAL	CORR-STC A	4		Negative	1.81	0.02	0.05
190	11/11/2005 11:56	246	Elev Door	LT-GREEN	Side 3	METAL	CORR-STC A	4		Negative	1	0	0.02
191	11/11/2005 11:58	491	Wall	LT-GREEN	Side 3	PLASTER	CORRIDOR STC C South	4		Negative	10	0.5	0.3
192	11/11/2005 11:58	307	Wall	BEIGE	Side 3	PLASTER	CORRIDOR STC C South	4		Negative	2.75	0.01	0.05
193	11/11/2005 11:58	246	Wall	BEIGE	Side 3	SHEETROCK	CORRIDOR STC C South	4		Negative	1.81	0	0.02
194	11/11/2005 12:00	307	Baseboard	BEIGE	Room Center	VINYL	CORRIDOR STC C South	4		Negative	1.68	0.1	0.08
195	11/11/2005 12:01	307	Baseboard	GREEN	Room Center	VINYL	CORRIDOR STC C South	4		Negative	1.68	0.1	0.08
196	11/11/2005 12:03	185	Wall	PURPLE	Side 1	CINDERBLOCK	SECURITY ROOM	4	SECURITY	Negative	1.58	0.01	0.03
197	11/11/2005 12:03	184	Wall	PURPLE	Side 2	CINDERBLOCK	SECURITY ROOM	4	SECURITY	Negative	2	0.04	0.08
198	11/11/2005 12:03	184	Wall	PURPLE	Side 3	PLASTER	SECURITY ROOM	4	SECURITY	Negative	1	0	0.02
199	11/11/2005 12:04	246	Wall	PURPLE	Side 3	BRICK	SECURITY ROOM	4	SECURITY	Negative	4.2	0.02	0.08
200	11/11/2005 12:04	308	Wall	PURPLE	Side 3	CINDERBLOCK	SECURITY ROOM	4	SECURITY	Negative	2.38	0.01	0.03
201	11/11/2005 12:04	307	Baseboard	GRAY	Side 2	VINYL	SECURITY ROOM	4	SECURITY	Negative	1	0	0.02
202	11/11/2005 12:07	184	Wall	WHITE	WEST	BRICK	SETBACK ROOF	6	Roof	Negative	1	0.01	0.03
203	11/11/2005 12:08	184	Wall	WHITE	NORTH	BRICK	SETBACK ROOF	6	Roof	Negative	1	0	0.02
204	11/11/2005 12:08	185	Fence-Bar	BLACK	NORTH	METAL	SETBACK ROOF	6	Roof	Negative	1.77	0.05	0.18
205	11/11/2005 12:10	185	Radiator Cov	GRAY	WEST	METAL	Office	6	Office	Negative	1	0	0.02
206	11/11/2005 12:10	184	Wall	BEIGE	WEST	SHEETROCK	Office	6	Office	Negative	1	0	0.02
207	11/11/2005 12:13	184	Wall	BEIGE	Side 1	CERAMCTILE	LADIES RM BY STC A	6	Ladies Room	Negative	1.93	0.03	0.1
208	11/11/2005 12:13	248	Wall	BEIGE	Side 2	CERAMCTILE	LADIES RM BY STC A	6	Ladies Room	Negative	3.58	0.07	0.2
209	11/11/2005 12:13	185	Wall	BEIGE	Side 4	CERAMCTILE	LADIES RM BY STC A	6	Ladies Room	Negative	1.59	0.02	0.07
210	11/11/2005 12:14	184	Floor	GRAY	Floor	CERAMCTILE	LADIES RM BY STC A	6	Ladies Room	Negative	1	0	0.02
211	11/11/2005 12:14	185	Toilet	WHITE	Side 2	CERAMIC	LADIES RM BY STC A	6	Ladies Room	Negative	7.73	0.16	0.41
212	11/11/2005 12:15	246	Skull Door	LT-GREEN	Side 2	METAL	LADIES RM BY STC A	6	Ladies Room	Negative	1	0	0.02
213	11/11/2005 12:15	248	Sink	WHITE	Side 3	CERAMIC	LADIES RM BY STC A	6	Ladies Room	Negative	2.18	0.04	0.08
214	11/11/2005 12:18	185	Secure Gate	BEIGE	Side 2	METAL	Storage Area	6	SUPPLY	Negative	1	0	0.02
215	11/11/2005 12:18	184	Wall	BEIGE	Side 2	SHEETROCK	Storage Area	6	SUPPLY	Negative	1.18	0	0.02
216	11/11/2005 12:19	185	Wall	BEIGE	Side 3	SHEETROCK	Storage Area	6	SUPPLY	Negative	1.23	0	0.02
217	11/11/2005 12:19	247	Door Buck	BEIGE	Side 3 WEST	METAL	Storage Area	6	SUPPLY	Negative	1	0	0.02
218	11/11/2005 12:19	185	Door	BEIGE	Side 3 WEST	METAL	Storage Area	6	SUPPLY	Negative	1	0	0.02
219	11/11/2005 12:21	248	Wall	BEIGE	RC S W CORNER	PLASTER	Exterior	6	Exterior	Negative	1	0.01	0.02
220	11/11/2005 12:22	061	Column	BEIGE	RC S W CORNER	PLASTER	Exterior	6	Exterior	Null	2.47	0.08	0.27
221	11/11/2005 12:22	123	Column	BEIGE	RC S W CORNER	PLASTER	Exterior	6	Exterior	Null	1.48	0.04	0.08
222	11/11/2005 12:22	184	Column	BEIGE	RC S W CORNER	PLASTER	Exterior	6	Exterior	Null	1.48	0.04	0.08
223	11/11/2005 12:22	246	Column	GRAY	RC S W CORNER	STEEL	Exterior	6	Exterior	Negative	4.13	0.13	0.2
224	11/11/2005 12:25	184	Wall	LT-BLUE	Side 1	PLASTER	ELEC. RM BY STC A	8	ELEC. RM	Negative	1	0	0.02
225	11/11/2005 12:25	307	Wall	LT-BLUE	Side 2	PLASTER	ELEC. RM BY STC A	8	ELEC. RM	Negative	1	0	0.02
226	11/11/2005 12:25	184	Wall	LT-BLUE	Side 3	PLASTER	ELEC. RM BY STC A	8	ELEC. RM	Negative	1	0	0.02
227	11/11/2005 12:25	123	Wall	LT-BLUE	Side 4	PLASTER	ELEC. RM BY STC A	8	ELEC. RM	Negative	1	0	0.02
228	11/11/2005 12:26	185	Door Buck	LT-GREEN	Side 1	METAL	ELEC. RM BY STC A	8	ELEC. RM	Negative	1	0	0.02
229	11/11/2005 12:26	307	Baseboard	GRAY	Side 1	VINYL	ELEC. RM BY STC A	8	ELEC. RM	Negative	1	0	0.02
230	11/11/2005 12:27	248	Column	BLUE	RC EAST	PLASTER	Office	9	OFFICE	Negative	1	0	0.02
231	11/11/2005 12:28	307	Column	BLUE	RC EAST	PLASTER	Office	9	OFFICE	Negative	2.88	0.01	0.04
232	11/11/2005 12:28	247	Wall	BEIGE	RC EAST	PLASTER	Office	9	OFFICE	Negative	1	0	0.02

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233	11/1/2005 12:28	3:07	Wall	LT-GREEN	RC EAST	PLASTER	Office	9	OFFICE	Negative	1	0	0.02
234	11/1/2005 12:29	2:48	Baseboard	LT-GREEN	RC EAST	VINYL	Office	9	OFFICE	Negative	2.84	0.26	0.2
235	11/1/2005 12:29	6:78	Baseboard	BLACK	RC EAST	VINYL	Office	9	OFFICE	Negative	1.79	0.06	0.03
236	11/1/2005 12:31	1:84	Door Buck	BEIGE	WEST WALL 1	METAL	Office	9	OFFICE	Negative	1	0	0.02
237	11/1/2005 12:31	1:88	Door	BEIGE	WEST WALL 1	METAL	Office	9	OFFICE	Negative	1	0	0.02
238	11/1/2005 12:31	1:86	Wall	BEIGE	WEST WALL 1	PLASTER	Office	9	OFFICE	Negative	1	0	0.02
239	11/1/2005 12:32	2:48	Wall	BEIGE	WEST WALL 1	PLASTER	Office	9	OFFICE	Negative	1	0	0.02
240	11/1/2005 12:32	2:46	Wall	BEIGE	WEST WALL 2	PLASTER	Office	9	OFFICE	Negative	1	0	0.02
241	11/1/2005 12:32	2:46	Wall	BEIGE	WEST WALL 3	PLASTER	Office	9	OFFICE	Negative	1.77	0	0.02
242	11/1/2005 12:33	2:46	Wall	BEIGE	WEST WALL 3	PLASTER	Office	9	OFFICE	Negative	1	0	0.02
243	11/1/2005 12:33	2:46	Column	BEIGE	SOUTH	STEEL	Office	9	OFFICE	Negative	1	0	0.02
244	11/1/2005 12:34	1:84	Pipe Riser	BEIGE	SOUTH	STEEL	Office	9	OFFICE	Negative	1	0	0.02
245	11/1/2005 12:34	1:86	Pipe Riser	BEIGE	SOUTH	STEEL	Office	9	OFFICE	Negative	2.94	0.09	0.22
246	11/1/2005 12:34	1:55	Pipe-Sewage	BEIGE	SOUTH	STEEL	Office	9	OFFICE	Negative	1	0	0.02
247	11/1/2005 12:35	1:84	ElectCond	BEIGE	SOUTH	STEEL	Office	9	OFFICE	Negative	1	0	0.02
248	11/1/2005 12:39	1:84	Well	LT-GREEN	SOUTH	STEEL	Office	9	OFFICE	Negative	1	0	0.02
249	11/1/2005 12:36	1:85	Well	LT-GREEN	SOUTH	STEEL	Office	9	OFFICE	Negative	1	0	0.02
250	11/1/2005 12:40	2:47	Door Buck	LT-GREEN	SOUTH	PLASTER	Office	11	OPEN AREA	Negative	1.22	0	0.02
251	11/1/2005 12:40	2:47	Floor	GRAY	Floor	CONCRETE	Office	11	OPEN AREA	Negative	2.93	0.08	0.13
252	11/1/2005 12:41	1:85	Pipe	LT-GREEN	SOUTH	PLASTER	Office	11	OPEN AREA	Negative	1.51	0.12	0.09
253	11/1/2005 12:41	1:85	Column	LT-GREEN	SOUTH	STEEL	Office	11	OPEN AREA	Negative	1	0.01	0.03
254	11/1/2005 12:41	1:85	Column	LT-GREEN	SOUTH	STEEL	Office	11	OPEN AREA	Negative	1	0	0.02
255	11/1/2005 12:42	2:46	Pipe-Sewage	LT-GREEN	SOUTH	STEEL	Office	11	OPEN AREA	Negative	1	0	0.02
256	11/1/2005 12:42	1:84	Pipe Riser	LT-GREEN	SOUTH	METAL	Office	11	OPEN AREA	Negative	1	0	0.02
257	11/1/2005 12:43	2:46	Wall	LT-GREEN	SOUTH	METAL	Office	11	OPEN AREA	Negative	1	0	0.02
258	11/1/2005 12:43	3:07	Well	LT-GREEN	SOUTH	BRICK	Office	11	OPEN AREA	Negative	1.08	0	0.02
259	11/1/2005 12:45	3:07	Well	LT-GREEN	SOUTH	BRICK	Office	11	OPEN AREA	Negative	1	0	0.02
260	11/1/2005 12:45	1:84	Well	LT-GREEN	NORTH	PLASTER	Office	11	LUNCHEON	Negative	1	0	0.02
261	11/1/2005 12:45	2:46	Well	LT-GREEN	NORTH WALL 2	PLASTER	Office	11	LUNCHEON	Negative	1	0	0.02
262	11/1/2005 12:46	1:84	Pipe Cover	LT-GREEN	NORTH WALL 3	PLASTER	Office	11	LUNCHEON	Negative	2.68	0.4	0.5
263	11/1/2005 12:47	2:47	Column	LT-GREEN	NORTH WALL 3	FIBERGLASS	Office	11	LUNCHEON	Negative	1.1	0.13	0.35
264	11/1/2005 12:53	1:84	Stair Riser	BEIGE	NORTH WALL 3	PLASTER	Office	11	LUNCHEON	Negative	1	0	0.02
265	11/1/2005 12:53	2:46	Hand Rail	BEIGE	Room Center	METAL	Office	11	LUNCHEON	Negative	1	0	0.02
266	11/1/2005 12:53	3:07	Floor	BEIGE	Room Center	CONCRETE	Office	11	LUNCHEON	Negative	1	0	0.02
267	11/1/2005 12:54	2:46	Door Buck	BEIGE	Floor	METAL	Office	11	LUNCHEON	Negative	1	0	0.02
268	11/1/2005 12:54	1:85	Door	BEIGE	Side 1	METAL	Office	11	LUNCHEON	Negative	1	0	0.02
269	11/1/2005 12:54	1:84	Wall	BEIGE	Side 1	PLASTER	Office	11	LUNCHEON	Negative	1	0	0.02
270	11/1/2005 12:54	1:85	Wall	BEIGE	Side 4	PLASTER	Office	11	LUNCHEON	Negative	1	0	0.02
271	11/1/2005 12:55	3:07	Wall	BEIGE	Side 4	PLASTER	Office	11	LUNCHEON	Negative	1	0	0.02
272	11/1/2005 12:56	1:84	Well	LT-GREEN	Side 1	CINDERBLOCK	Office	11	LUNCHEON	Negative	2.82	0.01	0.04
273	11/1/2005 12:56	1:84	Well	LT-GREEN	Side 4	CINDERBLOCK	Office	11	LUNCHEON	Negative	1	0	0.02
274	11/1/2005 12:57	22:72	Sink	WHITE	Room Center	CINDERBLOCK	Office	11	LUNCHEON	Negative	1	0	0.02
275	11/1/2005 12:58	1:84	Sink	WHITE	Room Center	CERAMIC	Office	11	LUNCHEON	Negative	1	0	0.02
276	11/1/2005 12:58	2:46	Pipe-Sewage	WHITE	Room Center	CERAMIC	Office	11	LUNCHEON	Negative	1	0	0.02
277	11/1/2005 12:58	2:46	Pipe	LT-GREEN	Room Center	CERAMIC	Office	11	LUNCHEON	Negative	2.44	0.18	0.03
278	11/1/2005 12:59	4:55	Column	LT-GREEN	Room Center	METAL	Office	11	LUNCHEON	Positive	2.14	2.8	0.8
279	11/1/2005 13:00	2:46	Door Buck	WHITE	Room Center	CINDERBLOCK	Office	11	LUNCHEON	Negative	1.66	0.23	0.18
280	11/1/2005 13:00	2:46	Door Buck	WHITE	Room Center	WOOD	Office	11	LUNCHEON	Negative	1.53	0.12	0.1
281	11/1/2005 13:00	2:46	Door Buck	WHITE	Room Center	WOOD	Office	11	LUNCHEON	Negative	3.48	0.25	0.1
282	11/1/2005 13:00	2:46	Door Buck	WHITE	Room Center	WOOD	Office	11	LUNCHEON	Negative	1	0	0.02

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279	11/11/2005 13:00	1.84	Door	WHITE	Room Center	WOOD	Office	A	Basement	Negative	1	0	Error
280	11/11/2005 13:01	1.84	Wall	WHITE	Room Center	SHEETROCK	Office	B	Basement	Negative	1	0	0.02
281	11/11/2005 13:01	2.48	Wall	WHITE	Side 4	SHEETROCK	Office	B	Basement	Negative	1	0	0.02
282	11/11/2005 13:02	1.85	Column	WHITE	Room Center	PLASTER	Office	B	Basement	Negative	2.65	0.02	0.07
283	11/11/2005 13:02	1.84	Floor	GRAY	Floor	CONCRETE	Office	B	Basement	Negative	1.82	0.13	0.13
284	11/11/2005 13:10	11.88	Calibrate							Positive	1.88	1.1	0.1
285	11/11/2005 13:10	21.54	Calibrate							Positive	2.67	1.1	0.1

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Attachment VI Data Summary – WTC CoPC Sampling

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Fiterman Hall

Mercury Vapor Testing

Lumex RA 915+

Real-time Mercury Vapor Monitoring via Lumex RA 915+ Analyzer
 All results reported in ng/m3

Sample Location	Date	Start Time	R-1	R-2	R-3	R-4	R-5	R-6	R-7	R-8	R-9	R-10	R-11	R-12	R-13
15th Floor	12/7/2005	10:45	1	2	2	1	1	2	3	2	2	2	3	X	X
14th Floor	12/7/2005	10:51	2	1	1	2	2	3	1	1	2	1	1	X	X
13th Floor	12/7/2005	10:54	3	3	2	2	2	2	3	3	2	2	2	2	X
12th Floor	12/7/2005	10:57	3	3	2	3	4	3	3	4	4	5	5	4	X
11th Floor	12/7/2005	11:01	6	4	4	3	5	4	5	4	4	5	4	5	X
10th Floor	12/7/2005	11:07	6	7	7	7	8	8	9	8	8	8	7	7	X
9th Floor	12/7/2005	11:11	9	9	8	9	10	10	10	10	10	8	10	10	X
8th Floor	12/12/2005	11:11	2	2	2	1	1	2	3	2	3	3	4	3	X
7th Floor	12/12/2005	11:14	4	5	4	4	5	5	5	4	4	5	4	5	X
6th Floor	12/12/2005	11:18	6	7	7	6	6	6	7	7	5	6	7	6	X
5th Floor	12/12/2005	11:21	6	6	3	3	3	4	3	2	3	3	4	5	X
4th Floor	12/12/2005	11:25	3	3	4	4	4	3	4	4	4	4	5	4	X
3rd Floor	12/12/2005	11:28	4	4	4	3	4	4	4	5	6	6	6	6	X
2nd Floor	12/12/2005	11:31	6	4	6	6	5	5	6	5	5	6	7	6	X
1st Floor	12/12/2005	11:35	6	7	8	7	7	8	8	7	8	8	8	8	8
Basement	12/12/2005	11:37	9	9	9	9	9	9	8	10	10	9	10	9	X

USEPA Trigger Level = 3000 ng/m3

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Fiterman Hall Interior Wipe Sampling - Metals

Metals Wipe Samples Taken on 11/3/05
 All results measured in ug/wi

Sample Location	Antimony	Barium	Bismuth	Cadmium	Chromium	Copper	Lead	Manganese	Nickel	Zinc
1st Floor North Hall Elevator Lobby	1.88	371	ND	0.82	15.6	48.2	47.8	31.4	17.6	161
1st Floor North Hall Elevator Lobby	2.48	67.3	ND	ND	7.61	7.8	20	31.4	7.14	161
1st Floor North Hall Elevator Lobby	2.85	60.1	ND	0.66	12.1	44.8	28.2	30.4	8.33	153
1st Floor North Hall Elevator Lobby	3.18	44.2	ND	ND	8.57	24.1	32.3	30.4	7.81	189
1st Floor North Hall Elevator Lobby	8.23	1200	ND	0.7	31.6	63.8	74.9	30.4	22.8	1750
1st Floor North Hall Elevator Lobby	2.84	44.8	ND	0.65	6.88	43.8	23	30.4	6.08	143
1st Floor North Hall Elevator Lobby	1.1	11.8	ND	ND	2.59	13.4	10.4	14	2.34	53.1
1st Floor North Hall Elevator Lobby	1.33	28.6	ND	ND	2.6	14.1	8.48	13.6	4.05	28.4
1st Floor North Hall Elevator Lobby	14.2	87	ND	1.59	22.2	163	24.3	107	10.8	808
1st Floor North Hall Elevator Lobby	5.43	81.8	ND	1.42	13.4	22.8	24.3	107	10.8	808
1st Floor North Hall Elevator Lobby	8.57	108	ND	0.74	13.4	20.8	24.3	107	10.8	808
1st Floor North Hall Elevator Lobby	4.33	65.5	ND	1.06	13.4	20.8	24.3	107	10.8	808
1st Floor North Hall Elevator Lobby	14.8	108	ND	1.85	27.7	62.8	35.4	123	25.4	212
1st Floor North Hall Elevator Lobby	3.35	67.8	ND	ND	6.78	35.8	33.7	168	16.4	788
1st Floor North Hall Elevator Lobby	ND	25.3	ND	ND	9.83	37.8	18.3	38.9	9.48	145
1st Floor North Hall Elevator Lobby	ND	48.5	ND	ND	1.34	16.8	3.89	12.4	12.2	137
1st Floor North Hall Elevator Lobby	ND	48.5	ND	ND	1.34	16.8	3.89	12.4	4.24	233

Environmental Characterization Report
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Fiterman Hall
ACAM Microvacuum Samples
ASTM - 5755

Sample Location	Sample ID	Area Sampled	Asbestos Type	Asbestos Structures	Sensitivity	Concentration	Comment
15 - E Flr Center	M-01	100 sq cm	None Detected	<3	991	<2970	
14 - N Flr Center Rad Top	M-02	100 sq cm	None Detected	<3	991	<2970	
13 - W Flr Center	M-03	100 sq cm	Amosite Chrysotile	17	2580	43900	
12 - S E Cor. Above Ceiling	M-04	100 sq cm	Chrysotile	17	1290	21900	
11 - Flr Staircase B Landing	M-05	100 sq cm	None Detected	<3	991	<2970	
10 - E Cor Flr	M-06	100 sq cm	Chrysotile	<3	859	<2580	
9 - N W Flr	M-07	100 sq cm	None Detected	<3	859	<2580	
8 - W Flr Desk Top	M-08	100 sq cm	Chrysotile	<3	859	<2580	
7 - S Flr Center	M-09	100 sq cm	Chrysotile	10	2580	25800	
6 - E Flr	M-10	100 sq cm	Chrysotile	117	859	101000	
5 - N Flr File Cabinet	M-11	100 sq cm	Amosite Chrysotile	20	1290	25800	
4 - W Cor Flr	M-12	100 sq cm	None Detected	<3	515	<1550	
3 - S W Flr Above Ceiling	M-13	100 sq cm	Chrysotile	109	1290	141000	
2 - N Flr Table Top	M-14	100 sq cm	None Detected	<3	859	<2580	
1 - Loading Dock Flr	M-15	100 sq cm	Chrysotile	22	1290	28400	
Basement N Ctr. Office Above Du	M-16	100 sq cm	Tremolite	<3	859	<2580	
Field Blank	M-17	0 sq cm	Chrysotile	4			Blank
Field Blank	M-18	0 sq cm	None Detected	<3			Blank

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Fiterman Hall Interior Wipe Sampling - Mercury, Lead, Polynuclear Aromatic Hydrocarbons (PAH) and Polychlorinated Biphenyls (PCBs)

Wipe Samples Taken on 11/3/05
 All results measured in ug/g if

Sample Location	Mercury	Method	Lead	Method	PAH	Method	PCBs	Method	Dioxin/Furan	Method
1st Floor	0.41	SW846-7471	41.8	SW846-305063108	ND	EPA TO-15M	Note 2	SW846-8082	ND	SW846-8280A
1st Floor	ND	SW846-7471	1.38	SW846-305063108	ND	EPA TO-15M	Note 2	SW846-8082	ND	SW846-8280A
1st Floor	ND	SW846-7471	34.2	SW846-305063108	ND	EPA TO-15M	Note 2	SW846-8082	ND	SW846-8280A
1st Floor	ND	SW846-7471	11.4	SW846-305063108	ND	EPA TO-15M	Note 2	SW846-8082	ND	SW846-8280A
1st Floor	ND	SW846-7471	3.68	SW846-305063108	ND	EPA TO-15M	Note 2	SW846-8082	ND	SW846-8280A
1st Floor	ND	SW846-7471	22.1	SW846-305063108	ND	EPA TO-15M	Note 2	SW846-8082	ND	SW846-8280A
1st Floor	ND	SW846-7471	14.1	SW846-305063108	ND	EPA TO-15M	Note 2	SW846-8082	ND	SW846-8280A
1st Floor	ND	SW846-7471	38.6	SW846-305063108	ND	EPA TO-15M	Note 2	SW846-8082	ND	SW846-8280A
1st Floor	ND	SW846-7471	13.5	SW846-305063108	ND	EPA TO-15M	Note 2	SW846-8082	ND	SW846-8280A
1st Floor	ND	SW846-7471	34.9	SW846-305063108	ND	EPA TO-15M	Note 2	SW846-8082	ND	SW846-8280A
1st Floor	ND	SW846-7471	66.2	SW846-305063108	ND	EPA TO-15M	Note 2	SW846-8082	ND	SW846-8280A
1st Floor	ND	SW846-7471	83.2	SW846-305063108	ND	EPA TO-15M	Note 2	SW846-8082	ND	SW846-8280A
1st Floor	ND	SW846-7471	84.3	SW846-305063108	ND	EPA TO-15M	Note 2	SW846-8082	ND	SW846-8280A
1st Floor	ND	SW846-7471	117	SW846-305063108	ND	EPA TO-15M	Note 2	SW846-8082	ND	SW846-8280A
1st Floor	ND	SW846-7471	50.6	SW846-305063108	ND	EPA TO-15M	Note 2	SW846-8082	ND	SW846-8280A
1st Floor	ND	SW846-7471	0.78	SW846-305063108	ND	EPA TO-15M	Note 2	SW846-8082	ND	SW846-8280A

Note: The exact location of each sample can be found in the Technical Report.

Note 2: Results Pending

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Attachment VII Inventory – Miscellaneous Building Contents

Environmental Characterization Report
 Fiterman Hall, 30 West Broadway, New York, NY
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Fiterman Hall – 30 West Broadway

Miscellaneous Building Contents List

This list includes building contents observed during environmental characterization walkthroughs. The list is intended neither to be a complete inventory, nor establish the scope of work for the contractor. It is informational and is intended for project planning purposes only.

15th Floor

Approx. 10 yards trash debris remaining

14th Floor

East Quadrant	Room #2 – 19 florescent lights Ballasts E.S. (847) 925-8400 (3) Fire Extinguishers (located inside closet) (10) gallons of Paint (4) 5 gallons pails of paint
South East Quadrant	Computer Server Room (6) Servers (1) Monitor (1) Keyboard
Center Reception Area	(1) Monitor
North East Corner Office	(1) Monitor. Various electronics disassembled
Room 10	(1) Server
West Quad Open Area	(1) Refrigerator
South Quad (By Freight)	(1) Vending Machine damaged (2) Fire Extinguisher Floor has contractor debris, trash, tables, chairs, filing cabinets, limited files, limited paperwork, etc.
13th Floor	All of the North Quadrant has been cleared of contents
East Quad Rm 1318	(30) light fixtures Ballasts (Triad). Florescent bulbs (Sylvania)
Outside Rm 1318	(3) Fire Extinguishers

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Appendix VII – Miscellaneous Building Contents List
 Fiterman Hall – 30 West Broadway

West Quadrant (1) Monitor
 (3) Servers
 (4) Boxes ceiling tiles
 This floor contains, desks, chairs, tables

12th Floor

NE Secretarial Area (1) Laser Jet Printer

Room 1231 (2) small copiers

East Storage Area (5) boxes of toner (IBM 63H2401)

This floor contains various desks, chairs, adding machines,
 mail room supplies, paper, files, detachable cubicles, filing
 cabinets, phones, fans, etc.

11th Floor

Elevator Machine Room (1-1.2) Gallon Special Grade A Oil
 (1) Gallon Marine Deck Paint Red
 (1) Tube of Lithium EP Grease

Slop Sink Room 1/4 Non-Acid Bathroom Cleaner

West Quadrant (11) Light Fixtures
 (11) Ballasts (L.G.)
 Florescent Lights (Philips)
 (1) Box Microsoft Hardware and Computer Parts

North Lunch Room (3) Vending Machines, damaged

East Room 1130 Various Computer Parts and disks
 (2) Servers

Computer Shop (1) Car Battery

Mail Room (5) 1 gallon E-Z Seal Liquid
 (40) lights and Ballasts

SE Room 1145 (5) Copiers
 (2) Fax Machines

10th Floor

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Appendix VII - Miscellaneous Building Contents List
 Fiterman Hall - 30 West Broadway

North Room 1010	Approximately 20-25 florescent lights and Ballasts (3) packages of ceiling tile
Room 1011	(1) TV (3) VCR (1) Movie Camera (3) Tape Recorders (3) Overhead Projectors
East Center Corridor	(4) Monitors (2) Keyboards (1) IBM Laser Cartridge
Room 1018	(5) Copiers (11) Printers (9) Monitors (3) Servers (4) Keyboards
Room 1019	(2) Overhead Projectors
	Approximately half of this floor is covered with garbage, various desks, chairs, cabinets. The Kitchen area and room 1022 has fallen ceiling debris
<u>9th Floor</u>	
East is an open area	Approximately 45 packages of ceiling tile Various reels of electrician wiring and equipment (45) lights and ballasts
North Quadrant	Approximately 100 packages of ceiling tile Approximately half of this floor is covered with the electrician's debris.
<u>8th Floor</u>	
North Quadrant	This floor was used for various contractor's offices, supplies and equipment rooms.
North Quadrant	(1) large Copier
East Quadrant	(12) fire extinguishers in corridor (2) Batteries (1) Copier

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Appendix VII - Miscellaneous Building Contents List
Fiterman Hall - 30 West Broadway

North Quadrant

- 1/4 can of Xylene
- (20) gallons of paint
- (3) Refrigerators
- (1) Microwave
- (1) computer
- (1) TV
- (1) VCR
- (1) Record Player
- (1) gallon carpet adhesive

This floor is filled with sheetrock, ceiling tiles, desks, personnel belongings, files, cabinets, chairs desks, etc.

7th Floor

North Room 719

- (8) Monitors
- (32) lights and ballasts

South West Quadrant

This area contains (5) offices filled with personal belongings, paperwork, files, clothes, (3) computers, telephones books, etc.

6th Floor

East Quadrant

- (10) lights and ballasts
- (2) small copiers
- (4) boxes of IBM 63H240

5th Floor

South East Quadrant

- (1) Link 21 Integrated System
- (1) Box computer cable wiring
- (1) Cisco 4000 series
- Boystack 28115

South West Quadrant

- (1) Climate Control unit Liebert System

West Room 518/522

- (1) small refrigerator
- (2) small servers
- (1) monitor

Outside of Stairway B

- (1) fire extinguisher

Environmental Characterization Report
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Appendix VII - Miscellaneous Building Contents List
 Fiterman Hall - 30 West Broadway

North Room 501 Approximately 24 lights and ballasts (Quictronics)

All of the 5th floor has trash, furniture, office equipment etc.

4th Floor

Elevator Bank A (1) fire extinguishers

This floor has garbage and debris, electrician's supplies, nuts bolts, wiring etc.

3rd Floor

North East Quadrant (1) cold wave air master machine
 (1) Keyboard
 (1) Lap 45
 (2) aerosol spray adhesive

East (Center) Various Machinery
 (1) canister of acetylene
 (1) canister of Oxygen 2 lbs.
 (1) large microwave
 (1) fire wagon with (6) fire extinguishers
 (5) 5 inch Dial B metal thermoses
 (1) large box various aerosol paint cans
 (1) computer monitor
 (1) case Parker model =PCX-48
 High capacity core shells flange and core gaskets
 (1) large trash can for cans, aluminum

North Center Corridor 4 box of GE florescent light bulbs

North West Quadrant Approximately 50 florescent lights and ballasts
 (1) Case of ceiling tile
 Contractor's supplies and equipment, sheet rock, insulation, electrical wiring, cement mix, etc.)
 Approximately (5) 5 gallon buckets of Taylor 2030 Black thin tile adhesive
 Cases of floor tile (12x12), Taskett
 (50) boxes of Anemostat Lighting
 (16) boxes of Zumtobel Staff Lights
 (1) fire extinguisher

SW Quadrant (Corner) (1) fire extinguisher

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Appendix VII - Miscellaneous Building Contents List
 Fiterman Hall - 30 West Broadway

Freight elevator room	(1) fire extinguisher (8) cases floor tile (3) 5 gallon buckets joint compound
NE Corner by Bank A	(20) Cooper lights
Labor Room East	Approximately 12-15 computers (room is also filled with file cabinets, paperwork boxes of paper and books, etc) This floor also contains, files, papers, doors trash, door frames, East Corridor the same.
<u>2nd floor</u>	This floor is basically clean
North Quadrant	(1) small microwave Couch, chair personnel effects garbage 1/2 filled
West Quadrant	Sheetrock, fiberglass insulation, ceiling tile
<u>1st floor</u>	
Vestibule	(4) 5-gallon gas cans filled Turpentine Paint Site Characterization PPE Storage This floor contains un-hung sheet rock, contractor's supplies, granite, equipment, personnel items, ceiling tile, reception desk with console, electrician's wiring debris etc.
<u>Basement</u>	This area contains many different chemicals, paints, etc. throughout the floor. (refer to chemical inventory list) Fuel Oil Tank (550Gallon?) (3) propane tanks (Corrosives) Bextane Refrigerant Various offices with personnel effects, desks, paper work trash, tools etc)

Environmental Characterization Report
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Attachment VIII Inventory – Chemical Log

Environmental Characterization Report
 Fiterman Hall, 30 West Broadway, New York, NY
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Fiterman Hall Chemical Log					
Inventory ID	Item Name	Description	Model #	Quantity	Floor / Room #
1	NALCO CHEMICAL	NALCO 2833		2- 55GAL/1-20 Gal	BSMT
2	NALCO CHEMICAL	7383		1-55 GAL	BSMT
3	N/A	CORROSIVE		55 GAL	BSMT
4	N/A	CORROSIVE		55 GAL	BSMT
5	GOLD COAST	INT/EXT ENAMEL		2 GAL	BSMT
6	HAWTHORNE	ENAMEL		1 GAL	BSMT
7	ULTRA SERIS	9575 COOLING WATER		45 LBS	BSMT
8	HONEYWELL	GENETRON 123		300 LBS	BSMT
9	UNIVERSAL	SODIUM		40 GAL	BSMT
10	FIVE FLO.	MULTI COMPRESSOR OIL		20 GAL	BSMT
11	CONSUMER OIL CO.	LUBRICANT OIL		1/2 GAL	BSMT
12	FIVE FLO.	COMPRESSOR OIL		20 GAL	BSMT
13	CHLIDERS	CP-50A		1 GAL	BSMT
14	TEXACO	0927 MARFAIO		80 LBS	BSMT
15	HIGH LOAD	MULTI VIS GEAR OIL		80 LBS	BSMT
16	N/A	N/A	N/A	N/A	N/A
17	GOLD COAST ENAM GRIP	INT/EXT PAINT	37.00	8	BSMT
18	GOLD COAST ENAM GRIP	GRAY	16.00	7	BSMT
19	TURPINTINE	1 GALLON		1	BSMT
20	TURPINTINE (TRPS)	PAINT 32OZ Solvent		1 ⁵	BSMT
21	HYDROLIC OIL	ISO 32		55 GAL	BSMT
22	A-1 HEAVY DUTY CLEANER	ZEP		20 GAL	BSMT
23	ZEP	DYNA 143		55 GAL (2)	BSMT
24	MISTY COLE CLEANER		WT417	55 GAL.	BSMT
25	MISTY	AIR FRESH/DEOD.	P-201	55 GAL	BSMT
26	CHEMCO	FOAM HEAVY DUTY CLEANER	1.085.00	55 GAL	BSMT
27	ZEP	A-F SMOKE SCREEN		64 OZ	BSMT
28	KEYLON	SPRAY PAINT		24 OZ	BSMT
29	HAWTHORNE	ENAMEL PAINT	42 BOX	4/1 GAL	BSMT
30	GOLD COAST	ENAMEL PAINT		3/1 GAL	BSMT
31	MERCURY	ACRYLIC LATEX		5 GAL	BSMT
32		RED GREASE	920-1020493	5 GAL	BSMT
33	E-K INDUSTRIE	4310 GLYERCIN		1 GAL	BSMT
34	PARKER	HIGH CAPACITY LIQUID LINE		5 PINTS	BSMT
35	TRU BONI	FL. COVERING ADHESIVE		2 (1 GAL)	BSMT
36	CERTIFIED	BEXANE BASE A		22.2 OZ	BSMT
37	CERTIFIED	BEXANE HARDNER		22.2 OZ	BSMT
38	RERRIGERANT 11	REFRIG 11		20 GAL	BSMT
39	AM SOLV.	ANCIDE 5815		10 GAL	BSMT
40	SHERWIN WILLIAMS	INDUSTRIAL ENAMEL		19 (1 GAL)	BSMT
41	IRONCLAD	QUICK DRY INDUSTRIAL ENAMEL		13 (1 GAL)	BSMT

Chemical Log

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Environmental Characterization Report
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Inventory ID	Item Name	Description	Model #	Quantity	Floor / Room #
42	IMPERVO	LOW LUSTRE ENAMEL		9 (1 GAL)	BSMT
43	INSLX	HIGH GLOSS ENAMEL		6 (1 GAL)	BSMT
44	OX O DECK	FL. PORCH. DECK ENAMEL		1 GAL	BSMT
45	LAZON	ACRYLIC LATEX		1 GAL	BSMT
46	DUPONT	FREON 500		1 CARRITTE	BSMT
47	LARCOLID	LATEX		10 GAL	BSMT
48	SPEEDY SATIN	LATEX SEMI GLOSS		1 GAL	BSMT
49	DABAIS			1 QT	BSMT
50	SHERWIN WILLIAM	EXTERIOR LATEX PAINT		4.5 GAL	1ST FL.
51	DITMAR PAINT CO.	PAINT		4.5 GAL	1ST FL.
52	U.S.A.	PAINT THINNER		1.0 GAL	1ST FL.
53	SHERWIN WILLIAM	INTERIOR PAINT		4.5 GAL	1ST FL.
54	SHERWIN WILLIAM	EXTERIOR PAINT		4.5 GAL	1ST FL.
55	ROPAK	UNKNOWN		10 GAL	3RD FL.
56	ROBERT 3000	FLOOR COVERING ADHESIVE		4.5 GAL	3RD FL.
57	MAPEL LL-2	LIQUID LATEX		5 GAL	3RD FL.
58	TAYLOR	BLACK THIN TILE ADHESIVE		35 GAL	3RD FL.
59	ACETYLENE SUPPLY CO	ACETYLENE		20 LBS	3RD FL.
60	N/A	OXYGEN- CANISTER		10 LBS	3RD FL.
61	ZEP	RUST-REMOVER		1 GAL	3RD FL.
62	MISC. AEROSOL CANS	FILM-LUBRICAN-SOLVENT DEGREASER		1 BOX	3RD FL.
63	PARKER	HIGH CAPACITY CORE		1 BOX	3RD FL.
64	TREMSTOP	FIRE STOPPING ACRYLIC		6 (5 GAL)	8TH FL.
65	DAP	CARPET ADHESIVE		1/2 GAL	8TH FL.
66	USA	XYLENE		1/4 GAL	8TH FL.
67	SHERWIN WILLIAMS	PRO MAR		2 2/1 GAL	8TH FL.
68	E-Z	DENTURED ALCHOL		1 GAL	8TH FL.
69	GOLD COAST	ENVIRO FLEX		14 1- GAL	8TH FL.
70	DAP	ACRYLIC COVE ADHESIVE		6- 1 GAL	8TH FL.
71	SHEEN	SEMI GLOSS LATEX		1/2 GAL	8TH FL.
72	MIRACLE	BLK MAGIC TYPE M		1 GAL	8TH FL.
73	LARCOLID	RUST INHIBITOR		1 GAL	8TH FL.
74	REDSTAR	SEMI GLOSS		1 GAL	8TH FL.
75	55	DEGRASER		1 CAN	8TH FL.
76	MINWAX (FLOORS)	POLYURETHANE		1 GAL	8TH FL.
77	ZEP	GREASE MONKEY		1 CAN	8TH FL.
78	ZEP	DRILL CHILL		1 CAN	8TH FL.
79	MINWAX	WOOD FINISH		8 PINTS	8TH FL.
80	BEN MOORE	ENAMEL		1 GAL	8TH FL.
81	DAP	CONTACT CEMENT		2 GAL	8TH FL.
82	DAP	CARPET ADHESIVE		2 GAL	8TH FL.
83	AMERICAN POLYMER	ANTI GRAFITTI		1 PINT	8TH FL.

Chemical Log

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Environmental Characterization Report
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Inventory ID	Item Name	Description	Model #	Quantity	Floor / Room #
84	DAYTON	INDUSTRIAL		CAN AERSOL	8TH FL.
85	ZEP-OFF	PAINT REMOVER		CAN AERSOL	8TH FL.
86	A-1	BLEACH		1 GAL	8TH FL.
87	COLUMBIA	PRE-K 52 CARPET		1 GAL	8TH FL.
88	MIRACLE	BLACK M TYPE		1 GAL	8TH FL.
89	ACE	HYDRAULIC OIL		1 GAL	8TH FL.
90	430 CLEAR PRO	FL. TILE ADHESIVE		5 GAL.	8TH FL.
91	BEN MOORE	LATEX		5 GAL.	8TH FL.
92	BEN MOORE	ENAMEL		5 GAL	8TH FL.
93	PRO MAR 400	LATEX		5 GAL	8TH FL.
94	MERCURY	ACRYLIC LATEX		5 GAL	8TH FL.
95	BEN MOORE	METALWOOD ENAMEL		1 GAL	8TH FL.
96	KRYLON	VARIOUS CANS OF AERESOL		1 CASE	8TH FL.
97	SOFT-SET	TOP GUN ADHESIVE		4 Gal	8TH FL.
98	N/A	GASOLINE		4.5 GAL	GROUND
99	E-Z	TURPENTINE		1 GAL	GROUND
100	EVERMARE	LATEX PAINT		1/2 GAL	GROUND
101	SHERWIN WILLIAMS	LATEX		5 GAL	GROUND
102	GAIDNER	ROOF CASTING		1/4 (GALLONS)	GROUND
103	GRACE	BUTHERNE		5-1 gal cans	GROUND
104	E-Z	PAINT THINNER		1 GALLON	GROUND

Chemical Log

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