



Mr. Steven M. Scharf, P.E.
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A
625 Broadway, 12th Floor
Albany, New York 12233-7016

Subject:

Bayer MaterialScience LLC
125 New South Road – Hicksville, New York
Administration Building
Pre-Demolition Survey Report

Dear Mr. Scharf:

On behalf of Bayer MaterialScience LLC (Bayer), ARCADIS of New York, Inc. (ARCADIS) has prepared this letter summarizing the results of the November 2013 pre-demolition survey activities conducted at the Administration Building of the Bayer facility located in Hicksville, New York (site). The pre-demolition survey activities were conducted to locate, identify, quantify, and sample building materials and other materials of concern, including asbestos. The survey activities were conducted to provide data and information for evaluating material handling in connection with the planned demolition of the Administration Building.

The pre-demolition survey fieldwork was conducted by ARCADIS on November 13 and 14, 2013 and consisted of the following:

- Conducting an environmental component survey within the Administration Building to locate, identify, and quantify materials of potential environmental concern.
- Collecting paint chip samples and caulk samples from the Administration Building to assess the potential presence/concentrations of polychlorinated biphenyls (PCBs) and lead.
- Conducting an asbestos survey and collecting asbestos samples to confirm the presence/absence of asbestos-containing material (ACM) within the Administration Building.

ARCADIS of New York, Inc.
6723 Towpath Road
P O Box 66
Syracuse
New York 13214-0066
Tel 315 446 9120
Fax 315 449 4111
www.arcadis-us.com

ENVIRONMENT

Date:

January 29, 2014

Contact:

John C. Brussel, P.E.

Phone:

315.671.9441

Email:

John.Brussel@arcadis-us.com

Our ref:

B0032305.0005 #12

Imagine the result

- Collecting full-depth core samples within the Administration Building to characterize concrete/masonry building materials for proper offsite disposal and/or onsite reuse.

A description of the Administration Building is provided below, followed by a summary of the pre-demolition survey work activities and findings, and conclusions/recommendations.

I. ADMINISTRATION BUILDING DESCRIPTION

The layout of the Administration Building is shown on Figure 1. The Administration Building is the only remaining building at the site. All other buildings and aboveground structures formerly used in connection with site operations were demolished in 2003. The interior of the Administration Building was damaged in early 2013 by flooding that occurred when water pipes (sprinkler system) inside the building froze and ruptured during a power outage. Following that event, water service to the building was shutoff and electric service was disconnected. Per fire marshal requirements for a building such as this -- with no water service or fire watch, the doors and windows of the building were boarded shut, and access has been restricted. While onsite, ARCADIS noted overhead cables leading to the exterior southwest corner of the building, and observed that the electric service lines to the building had been severed/cut.

Based on observations by ARCADIS while onsite for the pre-demolition survey, the Administration Building is an approximately 18-foot high, one story building with a footprint of approximately 8,000 square feet. The building's exterior walls are constructed of masonry (block). The building has a built up metal roof with rolled up asphalt roofing material. The northern building wall (facing Commerce Place, also known as Kalda Lane) contains a brick façade covering. A small shed is attached to the southern wall of the Building. Two loading bay areas were observed: (1) the first is along the south side of the building, where an asphalt paved area leads to an overhead garage door; and (2) the second is on the eastern side of the building, where a concrete ramp leads to what appears to be a former building entry point (i.e., opening for an overhead door that has since been walled-in with cinderblocks).

The building interior primarily consists of office areas and a loading/unloading (warehouse or storage) area. During the survey, ARCADIS observed indications that ductwork previously existed in the southeast corner of the building (potentially to support a laboratory area). Information presented in the Record of Decision for Operable Unit OU3 (September 29, 2000) indicated that part of the Administration Building was formerly used as a laboratory.

ARCADIS was not able to obtain any utility figures/maps for the building. One floor drain was identified in the warehouse section of the building (southern part of the building). There was no debris in the trap for the floor drain, and it was unclear where the pipe drained. Storm/ sewer manholes were visually verified to the immediate north, east, and south of the Administration Building, as shown on Figure 1. Photographs of the Administration Building interior and exterior are presented in the photo log included in Attachment A.

II. PRE-DEMOLITION BUILDING SURVEY FIELDWORK AND FINDINGS

As indicated above, the pre-demolition survey of the Administration Building involved an environmental component survey, asbestos survey, and building material characterization activities. The work performed and findings of these survey activities are summarized below.

A. Environmental Component Survey Summary

ARCADIS conducted an environmental component survey of the Administration Building (in visually and physically accessible areas) to locate, identify, and quantify materials of potential concern (e.g., mercury-containing devices, PCB-containing devices, chlorofluorocarbon- [CFC-] containing devices, oil-containing devices, fluorescent light bulbs, etc.) that should be removed from the building prior to starting demolition.

Findings from the environmental component survey are presented in Table 1. As summarized in Table 1, materials of potential environmental concern identified during the survey include the following:

- High-Intensity discharge lights
- Fluorescent lights
- Light ballasts
- Air conditioning units
- Thermostats (potentially containing mercury)
- Smoke detectors
- Exit signs
- Fire extinguishers
- Various paints and chemicals
- Transformer (inside south wall of building)

B. Asbestos Survey Summary

ARCADIS conducted a pre-demolition asbestos survey of the Administration Building to identify the presence/absence, locations, and approximate quantities of ACM. The asbestos survey was conducted by personnel certified in asbestos inspection by the New York State Department of Labor. The asbestos survey included a review of visually and physically accessible areas of the interior and exterior of the building. Accessible areas were surveyed, and the location and quantity of suspected ACM were documented. Based on the results of the visual inspection, bulk samples were collected from the interior and exterior of the Administration Building. Each sample was submitted to EMSL Analytical, Inc. (ESML) for analysis of asbestos content by Polarized Light Microscopy with Dispersion Staining (PLM/DS) and PLM Stratified Point Counting. Non-friable organically bound materials were analyzed using Transmission Electron Microscopy.

A total of 33 "Homogeneous Applications" (HAs) were identified throughout the site. HAs refers to building materials that were determined by the inspector to be homogeneous based on their color, texture, and assumed date of installation. Representative samples were then collected from selected HAs. A total of 83 suspect ACM bulk samples were collected and submitted for laboratory analysis. A total of 17 HAs were confirmed or assumed to contain asbestos at concentrations above 1% (ACM is defined as a material containing more than 1% of asbestos by weight). A detailed summary of the asbestos survey and findings is presented in the *Pre-Demolition Asbestos and Lead-Based Paint Survey Report* (ARCADIS, December 2013) included in Attachment B.

C. Building Material Characterization Summary

ARCADIS collected samples to characterize building materials within the Administration Building for potential re-use (as onsite or offsite fill material) and/or offsite disposal, as applicable. The building material sampling activities involved collecting the following samples (refer to Figure 1 for the sampling locations):

- One full-depth core sample from a masonry/block wall on the first floor (sample ADMIN-CW-01).
- Five full-depth core samples of the slab-on-grade concrete floor (samples ADMIN-CF-02 through -05 and ADMIN-TRANS-CF-01).
- Five paint chip samples throughout the first floor (samples PAINT-PCB-1 through -4 and -6).

- Five caulk samples throughout the first floor (samples CAULKING-PCB-5 and -7 through -10).

Concrete samples were collected to target potential worst-case scenarios (i.e., stained concrete, areas of suspected contamination). One of the concrete core samples (ADMIN-TRANS-CF-01) was collected below a small transformer inside the south wall of the Administration Building.

Concrete core samples were collected using a Hilti electronically-operated rotary drill. Concrete core samples were submitted to Accutest Laboratories located in Marlborough, Massachusetts (Accutest) for laboratory analysis for PCBs, Toxicity Characteristic Leaching Procedure (TCLP) Volatile Organic Compounds (VOCs), TCLP semi-volatile organic compounds (SVOCs), TCLP herbicides and pesticides, and TCLP metals.

Paint chip samples were collected from various surfaces inside the building (walls, floor, metal beam) exhibiting different paint vintages, colors, and ages to provide a representative characterization. The paint chip samples were submitted to Accutest for laboratory analysis for PCBs and to EMSL for laboratory analysis for total lead.

Caulk samples were collected from around windows and from an expansion joint exhibiting different caulk vintages and colors to provide a representative characterization. The caulk samples were submitted to Accutest for laboratory analysis for PCBs.

An analytical sample summary, which identifies each building material sample, the corresponding sampling date, and analyses performed on the sample, is provided in Table 2. The laboratory analytical results for the building material samples are presented in Table 3 and summarized below.

Concrete Core Sample Results

PCBs were detected in all six of the concrete core samples collected as part of the building characterization activities. PCB concentrations ranged from 0.015 parts per million (ppm) to 0.18 ppm. These concentrations are well-below the 1 ppm New York State Department of Environmental Conservation (NYSDEC) surface soil cleanup objective (SCO) for commercial land use that would be applicable if the concrete were to be crushed and used onsite as hard fill. These concentrations are also well-below the 50 ppm disposal threshold for a Toxic Substances Control Act (TSCA) regulated waste and New York State listed hazardous waste as presented in Title 6

of the Official Compilation of Codes, Rules and Regulations of the State of New York (6 NYCRR) Part 371.4(e).

The concrete core analytical results for constituents identified in TCLP extract are summarized as follows:

- TCLP VOCs and TCLP SVOCs were not detected in any of the concrete core samples at concentrations exceeding the associated laboratory detection limits.
- Chromium and mercury were the only TCLP metals detected in the concrete core samples. The maximum concentrations of these two metals (0.35 ppm and 0.0075 ppm, respectively) are well-below the corresponding regulatory limits for a Resource Conservation and Recovery Act (RCRA) characteristic hazardous waste as presented in 6 NYCRR Part 371.3(e) (i.e., 5 ppm and 0.2 ppm, respectively).
- No TCLP herbicides or pesticides other than 2,4-Dichlorophenoxyacetic acid (2,4-D) were detected in the concrete core samples at concentrations above laboratory detection limits. 2,4-D was detected in four of the six concrete core samples, but the maximum concentration identified (0.08 ppm) is well below the 10 ppm regulatory limit presented in 6 NYCRR Part 371.3(e).

Based on the above information, none of the above-referenced concrete core samples exhibits the characteristics of a RCRA hazardous waste.

Paint Chip Sample Results

PCBs were detected in each of the five paint chip samples. The PCB concentrations in the paint chip samples range from 1.3 ppm to 4.4 ppm. The PCB concentrations in the paint are less than the 10 ppm subsurface soil cleanup level in the NYSDEC policy document titled "CP-51/Soil Cleanup Guidance" dated October 21, 2010 (CP-51/Soil Cleanup Guidance) that would be applicable for painted concrete crushed and re-used (subsurface) as hard fill.

Total lead was detected in three of the five paint chip samples. The lead concentrations in these three samples range from 0.020 percent weight to 4.1 percent weight. Using a percent weight to parts per million conversion (percent weight multiplied by 10,000), the total lead concentrations in the three paint chip samples range from 200 ppm to 41,000 ppm. For reference, the maximum amount of lead that could potentially leach from the paint via TCLP testing would be 1/20th of the maximum concentration (equivalent to 2,050 ppm). However, the actual

concentration in extract generated by TCLP extraction of a paint sample could be lower. For comparison, the regulatory limit for a RCRA characteristic hazardous waste due to lead is 5 ppm in TCLP sample extract.

Caulk Sample Results

PCBs were detected in two of the five caulk samples at concentrations. PCB concentrations in these two samples were 5.7 ppm and 21.5 ppm.

III. CONCLUSIONS AND RECOMMENDATIONS

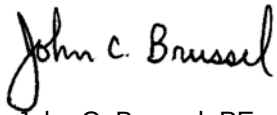
Conclusions and recommendations supported by the findings of the pre-demolition building survey are presented below:

- The environmental component survey identified materials of potential environmental concern within the Administration Building. Prior to building demolition activities, regulated items must be removed, handled, and sent for offsite disposal/recycling in accordance with state and federal regulations.
- The asbestos survey identified friable and non-friable ACM within the Administration Building. Prior to building demolition, the asbestos must be removed and sent for offsite disposal in accordance with state and federal regulations.
- The core samples collected to characterize concrete/masonry building materials within the Administration Building do not contain PCBs at concentrations greater than 1 ppm and do not exhibit characteristics of a RCRA hazardous waste. With NYSDEC approval, these materials could be crushed and re-used as hard fill onsite. Alternatively, these materials could be transported for offsite disposal as construction and demolition (C&D) debris based on the pre-demolition survey analytical data (and any additional test data that may be required by the selected disposal facility).
- Prior to building demolition, loose lead-based paint should be removed from building surfaces, containerized, and sent for offsite disposal in accordance with applicable regulations. Depending on the material handling approach for concrete/masonry debris generated by building demolition (re-use or offsite disposal), it may be necessary to remove and segregate PCB-containing caulk from the concrete/masonry materials prior to demolition and transport the caulk for offsite disposal.

Please do not hesitate to contact me at 315.671.9441 if you have any questions or need additional information regarding the building survey or any other aspect of the project.

Sincerely,

ARCADIS of New York, Inc.



John C. Brussel, PE
Principal Engineer

Copies:

Ms. Katy Murphy, New York State Department of Environmental Conservation
(via e-mail)

Ms. Renata Ockerby, New State Department of Health (via e-mail and U.S. Mail)

Mr. Scott Krall, Bayer MaterialScience LLC (via e-mail and U.S. Mail)

Mr. David Paule, Bayer MaterialScience LLC (via email)

Chintan Amin, Esq., Bayer MaterialScience LLC (via email)

Mr. Andrew Enigk, ARCADIS (via e-mail)

Mr. Lucas Jefts, ARCADIS (via e-mail)

Mr. David Kingsley, ARCADIS (via e-mail)

Tables

Table 1
Regulated Materials

Administration Building Pre-Demolition Survey
Bayer MaterialScience LLC
125 New South Road
Hicksville, New York

Material	Container Type	Container Size	Quantity	Location
HID Lights	Glass	NA	93	Interior
Fire Extinguishers	Metal	NA	3	Interior
Thermostats	Plastic	NA	3	Interior
Emergency Exit Signs	Metal	NA	9	Interior
Fluorescent Light Bulbs	Glass	2' or 4'	450	Interior
Ballasts associated with Fluorescent Lights	Metal	NA	220	Interior
Smoke Detectors	Plastic	NA	3	Interior
AC Unit	Metal	NA	4	Exterior - Roof
Drums with Debris	Metal	55 Gallon	2	Exterior - Shed
Various Cleaning Supplies	Plastic	Mostly small (<1 Liter)	12+	Interior
Various Paint Cans	Metal	Mostly small (<1 Liter)	12+	Exterior - Shed/Interior

Table 2
Analytical Sample Summary Table

Administration Building Pre-Demolition Survey
Bayer MaterialScience LLC
125 New South Road
Hicksville, New York

Sample ID	Sample Type	Date Collected	Sample Depth	Analysis					
			Full Core	PCBs	Lead	TCLP VOCs	TCLP SVOCs	TCLP Metals	TCLP Herbicides and Pesticides
Administration Building Pre-Demolition Concrete Sampling									
ADMIN-TRANS-CF-01	Concrete Core	11/13/2013	X	X	--	X	X	X	X
ADMIN-CW-01	Concrete Core	11/13/2013	X	X	--	X	X	X	X
ADMIN-CF-02	Concrete Core	11/13/2013	X	X	--	X	X	X	X
ADMIN-CF-03	Concrete Core	11/13/2013	X	X	--	X	X	X	X
ADMIN-CF-04	Concrete Core	11/14/2013	X	X	--	X	X	X	X
ADMIN-CF-05	Concrete Core	11/14/2013	X	X	--	X	X	X	X
Administration Building Pre-Demolition Paint Chip and Caulk Sampling									
PAINT-PCB-1	Paint	11/14/2013	--	X	X	--	--	--	--
PAINT-PCB-2	Paint	11/14/2013	--	X	X	--	--	--	--
PAINT-PCB-3	Paint	11/14/2013	--	X	X	--	--	--	--
PAINT-PCB-4	Paint	11/14/2013	--	X	X	--	--	--	--
CAULKING-PCB-5	Caulking	11/14/2013	--	X	X	--	--	--	--
PAINT-PCB-6	Paint	11/14/2013	--	X	X	--	--	--	--
CAULKING-PCB-7	Caulking	11/14/2013	--	X	X	--	--	--	--
CAULKING-PCB-8	Caulking	11/14/2013	--	X	X	--	--	--	--
CAULKING-PCB-9	Caulking	11/14/2013	--	X	X	--	--	--	--
CAULKING-PCB-10	Caulking	11/14/2013	--	X	X	--	--	--	--

Notes:

1. Samples were collected by ARCADIS on the dates indicated.
2. All samples (except lead paint chip samples) were analyzed at Accutest in Marlborough, Massachusetts for:
 - Polychlorinated biphenyls (PCBs) using United States Environmental Protection Agency (USEPA) SW-846 Method 8082.
 - Inorganic constituents using USEPA SW-846 Methods 6010 and 7470/7471.
 - Toxicity Characteristic Leaching Procedure (TCLP) extraction using Method 1311 followed by analysis for:
 - VOCs using USEPA Method 8260.
 - SVOCs using USEPA Method 8270.
 - Metals using USEPA Method 6010/7470.
3. Lead paint chip samples were analyzed at EMSL Analytical, Inc. in Cinnaminson, New Jersey for total lead using USEPA SW-846 Method 3050B/7000B.
4. An X indicates analysis was conducted.

Table 3
Pre-Demolition Building Material Analytical Results (ppm)

Administration Building Pre-Demolition Survey
Bayer MaterialScience LLC
125 New South Road
Hicksville, New York

Location ID: Date Collected:	Waste Characterization Regulatory Limits	ADMIN-CF-02 11/13/13	ADMIN-CF-03 11/13/13	ADMIN-CF-04 11/14/13	ADMIN-CF-05 11/14/13	ADMIN-CW-01 11/13/13	ADMIN-TRANS-CF-01 11/13/13	CAULKING-PCB-5 11/14/13	CAULKING-PCB-7 11/14/13
PCBs									
Aroclor 1016	--	<0.0360	<0.0330	<0.0320	<0.0320	<0.0330	<0.0360	<0.450	<9.70
Aroclor 1221	--	<0.0360	<0.0330	<0.0320	<0.0320	<0.0330	<0.0360	<0.450	<9.70
Aroclor 1232	--	<0.0360	<0.0330	<0.0320	<0.0320	<0.0330	<0.0360	<0.450	<9.70
Aroclor 1242	--	<0.0360	<0.0330	<0.0320	<0.0320	<0.0330	<0.0360	0.709	<9.70
Aroclor 1248	--	0.0306 J	0.0439	0.0223 J	0.0150 J	0.0495	0.0227 J	3.52	<9.70
Aroclor 1254	--	0.0384	0.112	<0.0320	<0.0320	0.0786	0.0276 J	1.18	<9.70
Aroclor 1260	--	<0.0360	0.0257 J	0.0230 J	<0.0320	0.0176 J	<0.0360	0.305 J	<9.70
Total PCBs	50	0.0690 J	0.182 J	0.0453 J	0.0150 J	0.146 J	0.0503 J	5.71 J	<9.70
TCLP VOCs									
1,4-Dichlorobenzene	7.5	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	NA	NA
1,1-Dichloroethene	0.7	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	NA	NA
1,2-Dichloroethane	0.5	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	NA	NA
2-Butanone (MEK)	200	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	NA
Carbon tetrachloride	0.5	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	NA	NA
Benzene	0.5	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	NA	NA
Chlorobenzene	100	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	NA	NA
Chloroform	6	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	NA	NA
Tetrachloroethene	0.5	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	NA	NA
Trichloroethene	0.5	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	NA	NA
Vinyl chloride	0.2	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	NA	NA
TCLP SVOCs									
3+4-Methylphenols	--	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	NA	NA
1,4-Dichlorobenzene	7.5	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	NA	NA
2,4,5-Trichlorophenol	400	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	NA	NA
2,4,6-Trichlorophenol	2	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	NA	NA
2,4-Dinitrotoluene	0.13	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	NA	NA
2-Methylphenol	200	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	NA	NA
Hexachlorobenzene	0.13	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	NA	NA
Hexachlorobutadiene	0.5	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	NA	NA
Hexachloroethane	3	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	NA	NA
Nitrobenzene	2	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	NA	NA
Pentachlorophenol	100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	NA	NA
Pyridine, TCLP	5	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	NA	NA

Table 3
Pre-Demolition Building Material Analytical Results (ppm)

Administration Building Pre-Demolition Survey
Bayer MaterialScience LLC
125 New South Road
Hicksville, New York

Location ID: Date Collected:	Waste Characterization Regulatory Limits	ADMIN-CF-02 11/13/13	ADMIN-CF-03 11/13/13	ADMIN-CF-04 11/14/13	ADMIN-CF-05 11/14/13	ADMIN-CW-01 11/13/13	ADMIN-TRANS-CF-01 11/13/13	CAULKING-PCB-5 11/14/13	CAULKING-PCB-7 11/14/13
TCLP Organochlorine Pesticides									
Chlordane	--	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	NA	NA
Endrin	0.02	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	NA	NA
gamma-BHC (Lindane)	0.4	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	NA	NA
Heptachlor	0.008	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	NA	NA
Heptachlor epoxide	--	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	NA	NA
Methoxychlor	10	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	NA	NA
Toxaphene	0.5	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	NA	NA
TCLP Organochlorine Herbicides									
2,4,5-TP Acid (Silvex)	1	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	NA	NA
2,4-D	10	0.00890 J	0.0101	0.00810 J	<0.0100	<0.0100	0.0800	NA	NA
TCLP Metals									
Arsenic	5	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	NA	NA
Barium	100	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA
Cadmium	1	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	<0.00400	NA	NA
Chromium	5	0.0260	0.280	0.120	0.350	<0.0100	<0.0100	NA	NA
Lead	5	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	NA	NA
Mercury	0.2	<0.000200	<0.000200	<0.000200	<0.000200	0.00750	<0.000200	NA	NA
Selenium	1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	NA	NA
Silver	5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	NA	NA
Total Metals									
Total Lead	--	NA	NA	NA	NA	NA	NA	NA	NA

Table 3
Pre-Demolition Building Material Analytical Results (ppm)

Administration Building Pre-Demolition Survey
Bayer MaterialScience LLC
125 New South Road
Hicksville, New York

Location ID: Date Collected:	Waste Characterization Regulatory Limits	CAULKING-PCB-8 11/14/13	CAULKING-PCB-9 11/14/13	CAULKING-PCB-10 11/14/13	PAINT-PCB-1 11/14/13	PAINT-PCB-2 11/14/13	PAINT-PCB-3 11/14/13	PAINT-PCB-4 11/14/13	PAINT-PCB-6 11/14/13
PCBs									
Aroclor 1016	--	<9.10	<0.470	<0.450	<0.480	<0.480	<0.500	<0.490	<0.470
Aroclor 1221	--	<9.10	<0.470	<0.450	<0.480	<0.480	<0.500	<0.490	<0.470
Aroclor 1232	--	<9.10	<0.470	<0.450	<0.480	<0.480	<0.500	<0.490	<0.470
Aroclor 1242	--	<9.10	<0.470	<0.450	0.804	0.288 J	0.755	<0.490	<0.470
Aroclor 1248	--	<9.10	<0.470	20.4	<0.480	1.24	<0.500	1.29	0.411 J
Aroclor 1254	--	<9.10	<0.470	<0.450	0.710	0.987	2.34	2.17	0.887
Aroclor 1260	--	<9.10	<0.470	1.05	0.348 J	0.424 J	1.22	0.979	<0.470
Total PCBs	50	<9.10	<0.470	21.5	1.86 J	2.94 J	4.32	4.44	1.30 J
TCLP VOCs									
1,4-Dichlorobenzene	7.5	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	0.7	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.5	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	200	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	0.5	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	100	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	6	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	0.5	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	0.5	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	0.2	NA	NA	NA	NA	NA	NA	NA	NA
TCLP SVOCs									
3+4-Methylphenols	--	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	7.5	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	400	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	2	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	0.13	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	200	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	0.13	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	0.5	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	3	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	2	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	100	NA	NA	NA	NA	NA	NA	NA	NA
Pyridine, TCLP	5	NA	NA	NA	NA	NA	NA	NA	NA

Table 3
Pre-Demolition Building Material Analytical Results (ppm)

Administration Building Pre-Demolition Survey
Bayer MaterialScience LLC
125 New South Road
Hicksville, New York

Location ID: Date Collected:	Waste Characterization Regulatory Limits	CAULKING-PCB-8 11/14/13	CAULKING-PCB-9 11/14/13	CAULKING-PCB-10 11/14/13	PAINT-PCB-1 11/14/13	PAINT-PCB-2 11/14/13	PAINT-PCB-3 11/14/13	PAINT-PCB-4 11/14/13	PAINT-PCB-6 11/14/13
TCLP Organochlorine Pesticides									
Chlordane	- -	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	0.02	NA	NA	NA	NA	NA	NA	NA	NA
gamma-BHC (Lindane)	0.4	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	0.008	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor epoxide	- -	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	10	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	0.5	NA	NA	NA	NA	NA	NA	NA	NA
TCLP Organochlorine Herbicides									
2,4,5-TP Acid (Silvex)	1	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	10	NA	NA	NA	NA	NA	NA	NA	NA
TCLP Metals									
Arsenic	5	NA	NA	NA	NA	NA	NA	NA	NA
Barium	100	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	1	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	5	NA	NA	NA	NA	NA	NA	NA	NA
Lead	5	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.2	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	1	NA	NA	NA	NA	NA	NA	NA	NA
Silver	5	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals									
Total Lead	- -	NA	NA	NA	<100	41,000	460	<100	200

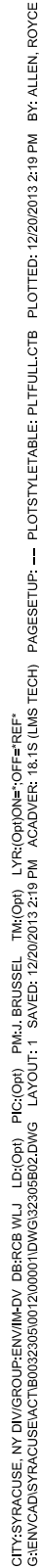
Table 3
Pre-Demolition Building Material Analytical Results (ppm)

Administration Building Pre-Demolition Survey
Bayer MaterialScience LLC
125 New South Road
Hicksville, New York

Notes:

1. Samples were collected by ARCADIS on the dates indicated.
2. PCBs = Polychlorinated Biphenyls.
3. TCLP = Toxicity Characteristic Leaching Procedure.
4. VOCs = Volatile Organic Compounds.
5. SVOCs = Semi-Volatile Organic Compounds.
6. All Samples (except lead paint chip samples) were analyzed by Accutest located in Marlborough, Massachusetts for:
 - PCBs using United States Environmental Protection Agency (USEPA) SW-846 Method 8082.
 - TCLP VOCs using USEPA SW-846 Method 1311/8260.
 - SVOCs using USEPA SW-846 Method 1311/8270.
 - TCLP metals using USEPA SW-846 Methods 1311/6010/7470.
7. Lead paint chip samples were analyzed at EMSL Analytical, Inc. in Cinnaminson, New Jersey for total lead using USEPA SW-846 Method 3050B/7000B.
8. Concentrations reported in parts per million (ppm), which is equivalent to milligrams per liter (mg/L) and milligrams per kilogram (mg/kg).
9. -- = No regulatory limit.
10. 6 NYCRR Part 371 Criteria are the thresholds for a characteristic hazardous waste (or in the case of PCBs - a listed hazardous waste) from Title 6 of the Official Compilation of Codes, Rules, and Regulations of the State of New York (6 NYCRR) Parts 371.3(b) through (e), and Part 371.4(e).
11. < = The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
J = The associated numerical value is an estimated concentration.
NA = Not Analyzed
12. Sample results have not been validated.

Figure





Attachment A

Photo Log

ATTACHMENT A – PHOTO LOG



1 View of Administration Building looking south
(11/13/13)



2 View of Administration Building looking north
(11/13/13)

ATTACHMENT A – PHOTO LOG



3 View of Administration Building looking
northwest (11/13/13)



4 View of Administration Building looking
northeast (11/13/13)

ATTACHMENT A – PHOTO LOG



5 View of inside of Administration Building
looking west (11/13/13)



6 View of inside of Administration Building -
offices (11/13/13)

ATTACHMENT A – PHOTO LOG



7 View of inside of Administration Building –
southeast corner (11/14/13)



8 View of inside of shed (11/13/13)

ATTACHMENT A – PHOTO LOG



9 View of inside of Administration Building –
southern wall (11/14/13)



10 View of inside of Administration Building –
northern wall (11/14/13)



Attachment B

Pre-Demolition Asbestos and Lead-
Based Paint Survey

Bayer MaterialScience, LLC

**Pre-Demolition Asbestos and
Lead-Based Paint Survey**

Administration Building

**125 New South Road
Hicksville, New York 11801**

December 12, 2013



Kevin A Hardy
Environmental Scientist

Gregory Donovan
Assistant Project Manager

**Pre-Demolition Asbestos and
Lead-Based Paint Survey**

Bayer MaterialScience, LLC

Administration Building

125 New South Road
Hicksville, New York 11801

Prepared by:

Mr. David B. Schnelzer
Manager, Health Environmental Safety &
Security Governance
Bayer Business and Technology Services
LLC
100 Bayer Road
Pittsburgh, Pennsylvania 15205-09741

Prepared by:

ARCADIS
194 Forbes Road
Braintree, MA 02184
Tel 781.356.7300
Fax 781.356.2211
www.arcadis-us.com

Our Ref.:

B0032305.0012

Date:

December 12, 2013

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1.	Introduction	1
2.	Methodology	1
3.	Analytical Methods	2
4.	Findings	3
5.	Conclusions	4
6.	Additional Survey Limitations	6

TABLES

Table 1	Homogeneous Applications
Table 2	Confirmed and Suspect Asbestos-Containing Materials
Table 3	Lead-Based Paint Summary

FIGURES

Figure 1	Interior Asbestos and Paint Chip Sample Locations
Figure 2	Exterior and Roof Asbestos and Paint Chip Sample Locations

APPENDICES

Appendix A	Limitations and Service Constraints
Appendix B	Asbestos Accreditations
Appendix C	Laboratory Report (NVLAP) – Asbestos Bulk Sample Results
Appendix D	Laboratory Report – Lead in Paint Results
Appendix E	Photograph Log

1. Introduction

ARCADIS US, Inc. (ARCADIS) conducted a Pre-Demolition Asbestos and Lead-Based Paint Survey of the Administration Building located at 125 New South Road in Hicksville, New York (the Site). The objective of the survey was to locate readily accessible and easily observable suspect asbestos-containing materials (ACMs) and lead-based paint, then collect a representative number of samples for subsequent laboratory analysis at the Site. The results of the survey will support abatement activities as part of future building demolition activities.

Destructive and/or intrusive investigations were conducted at the Site. Destructive investigations are necessary to identify suspect ACMs that may exist behind hard enclosures and/or obstructed areas. Hard enclosures or obstructed areas include, but are not limited to, wall cavities, pipe chases, spaces above fixed ceilings, below ceramic tiles and under roofing materials. For more details on survey and reporting limitations refer Appendix A of this report.

The survey was conducted on November 13 and 14, 2013 by Mr. Kevin Hardy of ARCADIS. A copy of Mr. Hardy's asbestos accreditations is provided in Appendix B. Mr. Tyler Nowak of ARCADIS provided survey support and health and safety oversight.

2. Methodology

Asbestos Survey Approach

ARCADIS' asbestos survey approach included a visual and physical assessment of each accessible space to locate suspect ACMs. Suspect materials were divided into "Homogeneous Applications" (HAs) --- i.e., building materials which were determined by the inspector to be homogeneous based on their color, texture, and assumed date of installation.

Representative samples were then collected from selected HAs. The numbers of samples collected was based on ARCADIS' in-house sampling protocol, which is based in part on the U.S. Environmental Protection Agency (EPA) Asbestos Hazard Emergency Response Act (AHERA) regulations. Each sample was assigned its own unique identification number, placed in 4 mil sealable plastic bags, and tightly sealed for subsequent shipment under a chain of custody protocol to EMSL Analytical, Inc. (EMSL) located in Cinnaminson, New Jersey.

Lead-Based Paint Survey Approach

ARCADIS conducted a limited lead-based paint determination of representative interior and exterior surfaces that maybe impacted by demolition activities. Representative samples of presumed lead-containing paint were collected in 4 mil plastic bags and tightly sealed for transport to the laboratory. Each sample was assigned its own unique identification number, placed in 4 mil sealable plastic bags, and tightly sealed for subsequent shipment under a chain of custody protocol to EMSL located in Cinnaminson, New Jersey.

3. Analytical Methods

Asbestos

Material identification was performed by EMSL following the New York State Department of Health Environmental Laboratory Accreditation Program (ELAP) protocol methods NYS 198.1, NYS 198.4 and 198.6, which require the analysis of friable materials utilizing Polarized Light Microscopy with Dispersion Staining (PLM/DS) and PLM Stratified Point Counting. Non-Friable Organically Bound (NOB) materials were analyzed using PLM and Transmission Electron Microscopy (TEM) for NOB matrices.

EMSL is a member of the American Industrial Hygiene Association (AIHA), National Voluntary Laboratory Accreditation Program (NVLAP). EMSL's NVLAP format laboratory analysis results and bulk sample summary reports are provided as Appendix C.

Lead-Based Paint

Paint chip samples were analyzed for lead content by Flame Atomic Adsorption Spectrometry (AAS) in accordance with EPA Method SW 846 3050B*/7000B. Strict Quality Control/Quality Assurance provisions were adhered to for analysis of all lead samples. EMSL conformed to its own in-house QA/QC procedures established by their accreditation manual. EMSL's laboratory analysis results are provided in Appendix D.

4. Findings

Asbestos

A total of thirty-three (33) HAs were identified throughout the Site, and a total of eighty-three (83) suspect ACM bulk samples were collected and submitted for laboratory analysis. A listing of HAs identified along with each HA material description, location, condition, asbestos content and estimated quantity are presented in Homogeneous Application Table (HAT) provide as Table 1. Approximate sampling locations are shown in Figures 1 and 2.

A total of seventeen (17) HAs were confirmed or assumed to contain asbestos a concentrations above 1% (ACM is defined as a material containing more than 1% of asbestos by weight). A listing of HAs that were confirmed or assumed to contain asbestos at concentration above 1% is presented in Table 2.

The following HAs are confirmed or suspect ACMs:

- HA-3: 12" x 12" White with Black Specks Floor Tile
- HA-7: 9" x 9" Beige with Brown Streaks Floor Tile
- HA-8: Black Mastic associated with HA-7
- HA-12: Black and Gray Adhesive associated with 6" Gray Ceramic Floor Tile
- HA-14: Black Residual Floor Mastic
- HA-16: Yellow Joint Compound associated with HA-15
- HA-21: Yellow Interior Window Caulking
- HA-24: White Exterior Expansion Joint Caulking
- HA-25: White Exterior Door Caulking
- HA-27: Built-Up Roofing associated with Main Roof Field
- HA-28: Flashing Cement associated with Perimeter and Penetrations
- HA-29: Built-Up Roofing associated with Perimeter and Penetrations
- HA-31: Flashing Cement associated with Southeast Storage Roof
- HA-32: Built-Up Roofing associated with North Entry Overhang Roof
- HA-33: Flashing Cement associated with North Entry Overhang Roof

The remaining bulk samples collected by ARCADIS as part of this survey were reported by the laboratory as "None Detected" or less than 1% for asbestos.

Lead-Based Paint

Lead in paint was detected in three (3) out of five (5) samples at concentrations ranging from 0.020% weight to 4.1% weight.

The following paint chip samples were confirmed to contain detectable levels of lead:

- PC-2: Red Paint on Metal I-Beam
- PC-3: Green Paint on Gypsum Board
- PC-5: Beige Paint on Concrete

The remaining paint chip samples collected by ARCADIS as part of this survey were below the laboratories limit of detection. A summary of paint chip sampling results is provided in the Lead-Based Paint Summary located in Table 3. Paint chip sampling locations are depicted on Figures 1 and 2.

5. Conclusions

Asbestos

As presented in Tables 1 and 2 and the laboratory data provided in Appendix C, the results of the asbestos survey identified confirmed and suspect ACMs in the building.

In accordance with current EPA National Emission Standards for Hazardous Pollutants (NESHAP) regulations, certain types of ACM must be removed prior to being disturbed by demolition or renovation activities. Current EPA NESHAP and New York Department of Labor regulations require that all Regulated ACMs (RACM) be removed prior to being disturbed. RACMs are defined as:

- Friable ACM.
- Non-Friable Category 1 ACM that has become friable.
- Non-Friable Category 1 ACM that has been or will be subjected to sanding, abrading, grinding, or cutting.
- Non-Friable Category 2 ACM that has a high probability of becoming friable or crumbled, pulverized, or otherwise reduced to powder by the demolition or renovation activities.

In some cases, materials which may be ACMs were identified as "Suspect ACM" and were "Not Sampled" in the HAT. These include materials that could not safely be

accessed during the survey, were labeled as asbestos-containing or assumed to be asbestos-containing based on the inspector's field determination. Until determined otherwise, suspect materials that have not been sampled have been assumed to be ACMs and should be managed as asbestos-containing in accordance with the local, state, and federal regulations.

Damaged friable ACMs were identified at the site. ACMs that are assessed as "Damaged" may present a greater risk of releasing asbestos fibers than those that are in good condition. Access should be restricted to areas where damaged ACMs exist until the area can be properly decontaminated.

Due to the inability to effectively separate some types of multi-layered ACMs (i.e., floor tile/mastic, ceramic tile grout/adhesive, gypsum board/joint compound, etc.) from non-ACMs these materials are considered "asbestos-contaminated" for the purposes of removal, and should be managed as ACM.

If other suspect materials that are not referenced in this report are identified during demolition activities, ARCADIS recommends that these materials be considered as ACM until they are inspected by an appropriately licensed asbestos inspector and proven otherwise.

ACMs identified at the Site that may be disturbed during demolition activities, must be removed by a licensed asbestos abatement contractor utilizing industry standard work procedures in accordance with all federal, state and local regulations governing asbestos.

Asbestos waste must be disposed at an asbestos waste receiving facility that is duly permitted by the state and/or local municipality in which it resides. RACM waste should be disposed in a landfill with a NESHAP condition in the facility's air permit that allows acceptance of RACM.

Lead-Based Paint

As presented in Table 3 and the laboratory data provided in Appendix D, the results of the limited lead-based paint survey identified detectable levels of lead in painted surfaces in the building.

ARCADIS recommends that the general contractor and any sub-trades be advised of the presence of lead-based paint and their requirements for compliance with the OSHA Lead in Construction standard. Compliance with OSHA is required for any detectable levels of lead in painted surfaces.

Additionally, any work that could disturb a known or suspect lead-containing surface be conducted in a way to minimize and control dust and that the contractor performs a thorough clean up.

If other suspect painted materials that are not referenced in this report are identified during demolition activities, ARCADIS recommends that these materials be considered as lead-based paint until they are inspected and proven otherwise.

Waste characterization sampling and analysis is recommended for the representative waste stream generated by demolition activities. Waste stream analyses should include the total threshold limit concentration (TTLC), soluble threshold limit concentration (STLC), and toxicity characteristic leaching procedure (TCLP) analysis, as required.

6. Additional Survey Limitations

ARCADIS' asbestos survey is subject to the following limitations in addition to those presented in Appendix A:

- Subsurface investigations, including access to below grade structures, underground piping, conduits, building footings and extent of subsurface soil asbestos contamination if any was not available at the time of the survey. Should Bayer decide to remove/demolish below grade structures, an additional investigation may be warranted to determine if the below grade structures contain or are coated with ACMs.

Table 1
Homogeneous Applications

Bayer MaterialScience, LLC
125 New South Road
Hicksville, New York 11801

HA No.	Material Description	Room(s)/Location	Sample Number	Condition	Friability	Asbestos Content	Estimated Quantity	Unit	Notes
Interior									
1	12" x 12" Beige with Brown Specks Floor Tile	South East Offices	175685 175686	Damaged	Non-Friable	NAD	360	SF	
2	Black Mastic associated with HA-1	South East Offices	175687 175688	Good	Non-Friable	NAD	360	SF	
3	12" x 12" White with Black Specks Floor Tile	Former Lab	175689 175690 175691	Damaged	Non-Friable	3.5% Chrysotile	730	SF	
4	Black Mastic associated with HA-3	Former Lab	175692 175693 175694	Good	Non-Friable	<1% Chrysotile	730	SF	U.S. EPA regulates material containing greater than 1% asbestos.
5	12" x 12" Purple Mottled Floor Tile	East Office	175695 175696	Damaged	Non-Friable	<1% Chrysotile	150	SF	U.S. EPA regulates material containing greater than 1% asbestos.
6	Yellow Mastic associated with HA-5	East Office	175697 175698	Good	Non-Friable	NAD	150	SF	
7	9" x 9" Beige with Brown Streaks Floor Tile	North East Hallway and associated Offices	175699 175700 175701	Damaged	Non-Friable	2.3% Chrysotile	360	SF	
8	Black Mastic associated with HA-7	North East Hallway and associated Offices	175702 175703 175704	Good	Non-Friable	2.4% Chrysotile	360	SF	
9	Grout associated with 4" Gray Ceramic Wall Tile	Men's Restroom and Women's Restroom	175705 175706	Good	Non-Friable	NAD	600	SF	
10	Adhesive associated with 4" Gray Ceramic Wall Tile	Men's Restroom and Women's Restroom	175707 175708	Good	Non-Friable	NAD	600	SF	

Table 1
Homogeneous Applications

Bayer MaterialScience, LLC
125 New South Road
Hicksville, New York 11801

HA No.	Material Description	Room(s)/Location	Sample Number	Condition	Friability	Asbestos Content	Estimated Quantity	Unit	Notes
11	Grout associated with 6" Gray Ceramic Floor Tile	Men's Restroom and Women's Restroom	175709 175710	Good	Non-Friable	NAD	185	SF	Due to the inability to effectively separate the non-asbestos-containing grout (HA-11) from the asbestos-containing adhesive (HA-12), the grout and ceramic floor tile should be managed as asbestos waste.
12	Black and Gray Adhesive associated with 6" Gray Ceramic Floor Tile	Men's Restroom and Women's Restroom	175711 175712	Good	Non-Friable	1.2% Chrysotile	185	SF	
13	Black Mirror Mastic	Men's Restroom and Women's Restroom	175713 175714	Good	Non-Friable	<1% Chrysotile	20	SF	U.S. EPA regulates material containing greater than 1% asbestos.
14	Black Residual Floor Mastic	North East Offices	175715 175716 175717	Good	Non-Friable	2.3% Chrysotile	1,005	SF	
15	Gypsum Board	Throughout	175718 175719 175720	Damaged	Friable	NAD	15,220	SF	Due to the inability to effectively separate the non-asbestos-containing gypsum board (HA-15) from the asbestos-containing joint compound (HA-16), the gypsum board should be managed as asbestos waste.
16	Yellow Joint Compound associated with HA-15	East Side	175721 175722 175723 175724 175725	Damaged	Friable	3.39% Chrysotile	8,220	SF	Material was damaged and contamination was observed throughout the east side of the building.
17	Adhesive associated with Wood Wall Panels	North East Hallway and associated Offices, Conference Room and North West Office	175726 175727 174728	Good	Non-Friable	<1% Chrysotile	3,600	SF	U.S. EPA regulates material containing greater than 1% asbestos.
18	Yellow Residual Floor Mastic	West Side	175729 175730 175731	Good	Non-Friable	NAD	2,450	SF	
19	White Joint Compound associated with HA-15	West Side	175732 175733 175734 175735 175736	Damaged	Friable	NAD	7,000	SF	
20	Concrete Wall Panel	Men's Restroom and Women's Restroom	175737 175738	Good	Non-Friable	NAD	200	SF	

Table 1
Homogeneous Applications

Bayer MaterialScience, LLC
125 New South Road
Hicksville, New York 11801

HA No.	Material Description	Room(s)/Location	Sample Number	Condition	Friability	Asbestos Content	Estimated Quantity	Unit	Notes
21	Yellow Interior Window Caulking	Former Lab, Central Office and Warehouse	175739 175740 175741	Good	Non-Friable	1.2% Chrysotile	52	LF	4 Windows
Exterior									
22	Gray Exterior Window Caulking	Exterior Windows	175747 175748	Good	Non-Friable	<1% Chrysotile	400	LF	23 Windows U.S. EPA regulates material containing greater than 1% asbestos.
23	Black Expansion Joint Caulking	Base of CMU Wall - East Side	175749 175750	Good	Non-Friable	NAD	50	LF	
24	White Expansion Joint Caulking	Intersection of Brick and Concrete Wall - North East and North West Side	175751 175752	Good	Non-Friable	1.8% Chrysotile	40	LF	
25	White Exterior Door Caulking	North Entry Door	175753 175754	Good	Non-Friable	10% Anthophyllite	20	LF	
Roof									
26	Silver Coated Rolled Asphalt Roofing	Roof	175755 175756 175757	Damaged	Non-Friable	NAD	7,560	SF	
27	Built-Up Roofing	Main Roof Field	175758 175759 175760	Damaged	Non-Friable	2.1% Chrysotile	7,560	SF	Layer 2
28	Flashing Cement	Roof - Perimeter and Penetrations	175761 175762 175763	Good	Non-Friable	5.7% Chrysotile	1,000	SF	
29	Built-Up Roofing	Roof - Perimeter and Penetrations	175764 175765 175766	Good	Non-Friable	8.5% Chrysotile	1,000	SF	Layer 2
30	Rolled Asphalt Shingle	South East Storage Roof	175767 175768	Damaged	Non-Friable	NAD	400	SF	

Table 1
Homogeneous Applications

Bayer MaterialScience, LLC
125 New South Road
Hicksville, New York 11801

HA No.	Material Description	Room(s)/Location	Sample Number	Condition	Friability	Asbestos Content	Estimated Quantity	Unit	Notes
31	Flashing Cement	South East Storage Roof	Not Sampled	Good	Non-Friable	Suspect ACM	40	SF	Material is a suspect ACM and assumed to contain asbestos until laboratory testing can confirm or deny the presence of asbestos.
32	Built-Up Roofing	North Entry Overhang Roof	175769 175770	Good	Non-Friable	3.5 % Chrysotile	200	SF	
33	Flashing Cement	North Entry Overhang Roof	175771 175772	Good	Non-Friable	8.1% Chrysotile	200	SF	This material is on HA-32
LF = Linear Foot									
NAD = No Asbestos Detected									
SF = Square Foot									
Suspect ACM = Suspect Asbestos-Containing Material									

Table 2
Confirmed and Suspect Asbestos-Containing Materials

Bayer MaterialScience, LLC
125 New South Road
Hicksville, New York 11801

HA No.	Material Description	Room(s)/Location	Sample Number	Condition	Friability	Asbestos Content	Estimated Quantity	Unit	Notes
Interior									
3	12 " x 12" White with Black Specks Floor Tile	Former Lab	175689 175690 175691	Damaged	Non-Friable	3.5% Chrysotile	730	SF	
7	9" x 9" Beige with Brown Streaks Floor Tile	North East Hallway and associated Offices	175699 175700 175701	Damaged	Non-Friable	2.3% Chrysotile	360	SF	
8	Black Mastic associated with HA-7	North East Hallway and associated Offices	175702 175703 175704	Good	Non-Friable	2.4% Chrysotile	360	SF	
11	Grout associated with 6" Gray Ceramic Floor Tile	Men's Restroom and Women's Restroom	175709 175710	Good	Non-Friable	NAD	185	SF	Due to the inability to effectively separate the non-asbestos-containing grout (HA-11) from the asbestos-containing adhesive (HA-12), the grout and ceramic floor tile should be managed as asbestos waste.
12	Black and Gray Adhesive associated with 6" Gray Ceramic Floor Tile	Men's Restroom and Women's Restroom	175711 175712	Good	Non-Friable	1.2% Chrysotile	185	SF	
14	Black Residual Floor Mastic	North East Offices	175715 175716 175717	Good	Non-Friable	2.3% Chrysotile	1,005	SF	
15	Gypsum Board	Throughout	175718 175719 175720	Damaged	Friable	NAD	15,220	SF	Due to the inability to effectively separate the non-asbestos-containing gypsum board (HA-15) from the asbestos-containing joint compound (HA-16), the gypsum board should be managed as asbestos waste.
16	Yellow Joint Compound associated with HA-15	East Side	175721 175722 175723 175724 175725	Damaged	Friable	3.39% Chrysotile	8,220	SF	Material was damaged and contamination was observed throughout the east side of the building.
21	Yellow Interior Window Caulking	Former Lab, Central Office and Warehouse	175739 175740 175741	Good	Non-Friable	1.2% Chrysotile	52	LF	4 Windows

Table 2
Confirmed and Suspect Asbestos-Containing Materials

Bayer MaterialScience, LLC
125 New South Road
Hicksville, New York 11801

HA No.	Material Description	Room(s)/Location	Sample Number	Condition	Friability	Asbestos Content	Estimated Quantity	Unit	Notes
Exterior									
24	White Expansion Joint Caulking	Intersection of Brick and Concrete Wall - North East and North West Side	175751 175752	Good	Non-Friable	1.8% Chrysotile	40	LF	
25	White Exterior Door Caulking	North Entry Door	175753 175754	Good	Non-Friable	10% Anthophyllite	20	LF	
Roof									
27	Built-Up Roofing	Main Roof Field	175758 175759 175760	Damaged	Non-Friable	2.1% Chrysotile	7,560	SF	Layer 2
28	Flashing Cement	Roof - Perimeter and Penetrations	175761 175762 175763	Good	Non-Friable	5.7% Chrysotile	1,000	SF	
29	Built-Up Roofing	Roof - Perimeter and Penetrations	175764 175765 175766	Good	Non-Friable	8.5% Chrysotile	1,000	SF	Layer 2
31	Flashing Cement	South East Storage Roof	Not Sampled	Good	Non-Friable	Suspect ACM	40	SF	Material is a suspect ACM and assumed to contain asbestos until laboratory testing can confirm or deny the presence of asbestos.
32	Built-Up Roofing	North Entry Overhang Roof	175769 175770	Good	Non-Friable	3.5 % Chrysotile	200	SF	
33	Flashing Cement	North Entry Overhang Roof	175771 175772	Good	Non-Friable	8.1% Chrysotile	200	SF	This material is on HA-32
LF = Linear Foot									
NAD = No Asbestos Detected									

Table 2
Confirmed and Suspect Asbestos-Containing Materials

Bayer MaterialScience, LLC
 125 New South Road
 Hicksville, New York 11801

HA No.	Material Description	Room(s)/Location	Sample Number	Condition	Friability	Asbestos Content	Estimated Quantity	Unit	Notes
SF = Square Foot									
Suspect ACM = Suspect Asbestos-Containing Material									

Table 3
Lead-Based Paint Summary

Bayer MaterialScience, LLC
125 New South Road
Hicksville, New York 11801

Sample ID	Sample Number	Description	Substrate	Location	Results (% wt.)
Interior					
PC-1	175742	White Paint	Gypsum Board	Office Wall	<0.010%
PC-2	175743	Red Paint	Metal I Beam	Office Beam	4.1%
PC-3	175744	Green Paint	Gypsum Board	Hallway Wall	0.046%
PC-4	175745	White Paint	Concrete	Warehouse Wall	<0.010%
Exterior					
PC-5	175746	Beige Paint	Concrete	Exterior Wall	0.020%

ARCADIS

FIGURES



Infrastructure · Water · Environment · Buildings

Project #: 00032305.0012
Project Location: 125 New South Rd Hicksville NY
By: Kevin Hardy Date: 11-15-13
Checked by: _____ Date: _____

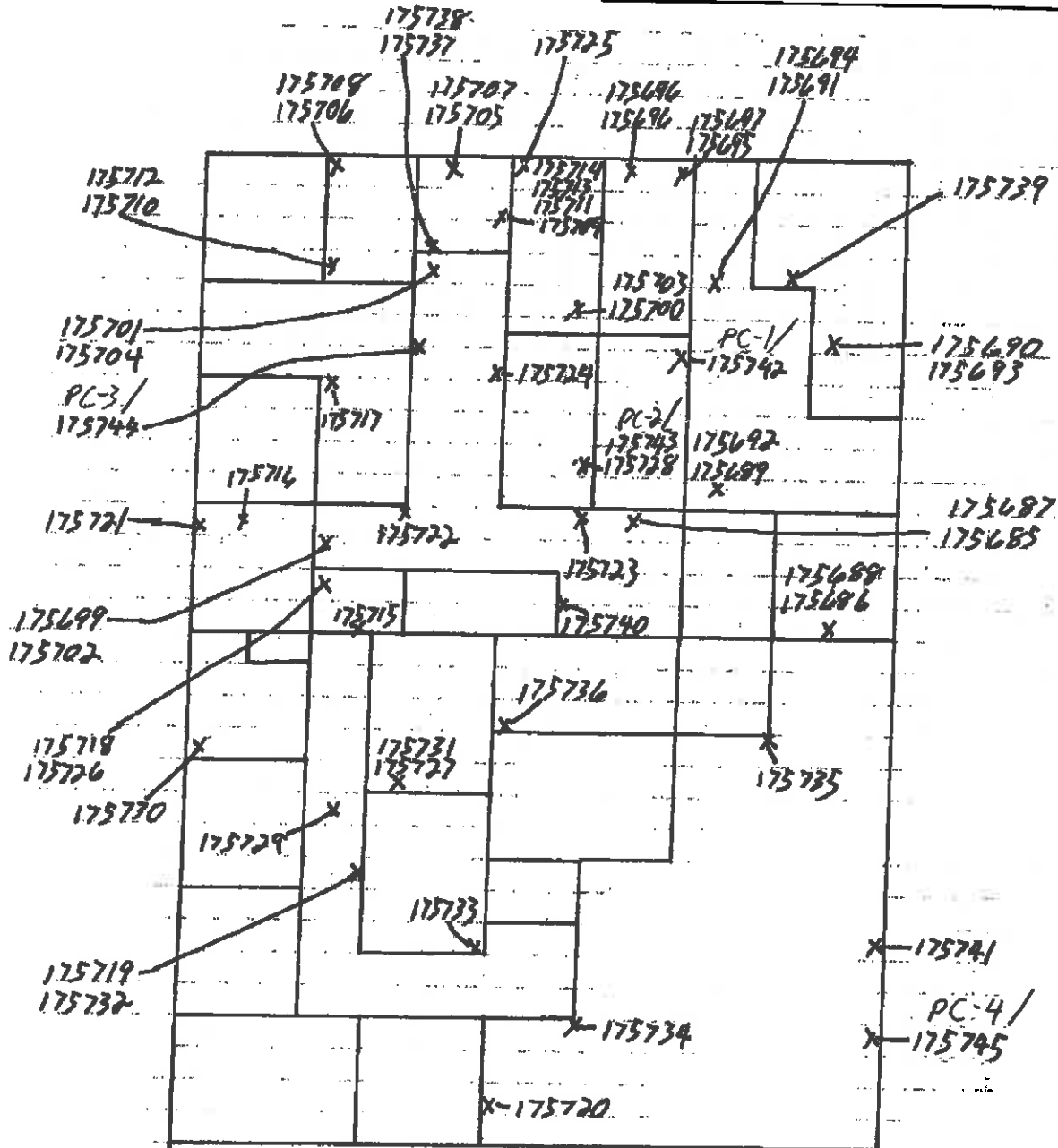


Figure 1

Asbestos + Lead Paint
Sample Locations
Interior

← N
Sample Locations Are Approximate



Infrastructure · Water · Environment · Buildings

Project #: B0032305.0012
Project Location: 125 New South Rd Hicksville NY
By: Kevin Hardy Date: 11-15-13
Checked by: _____ Date: _____

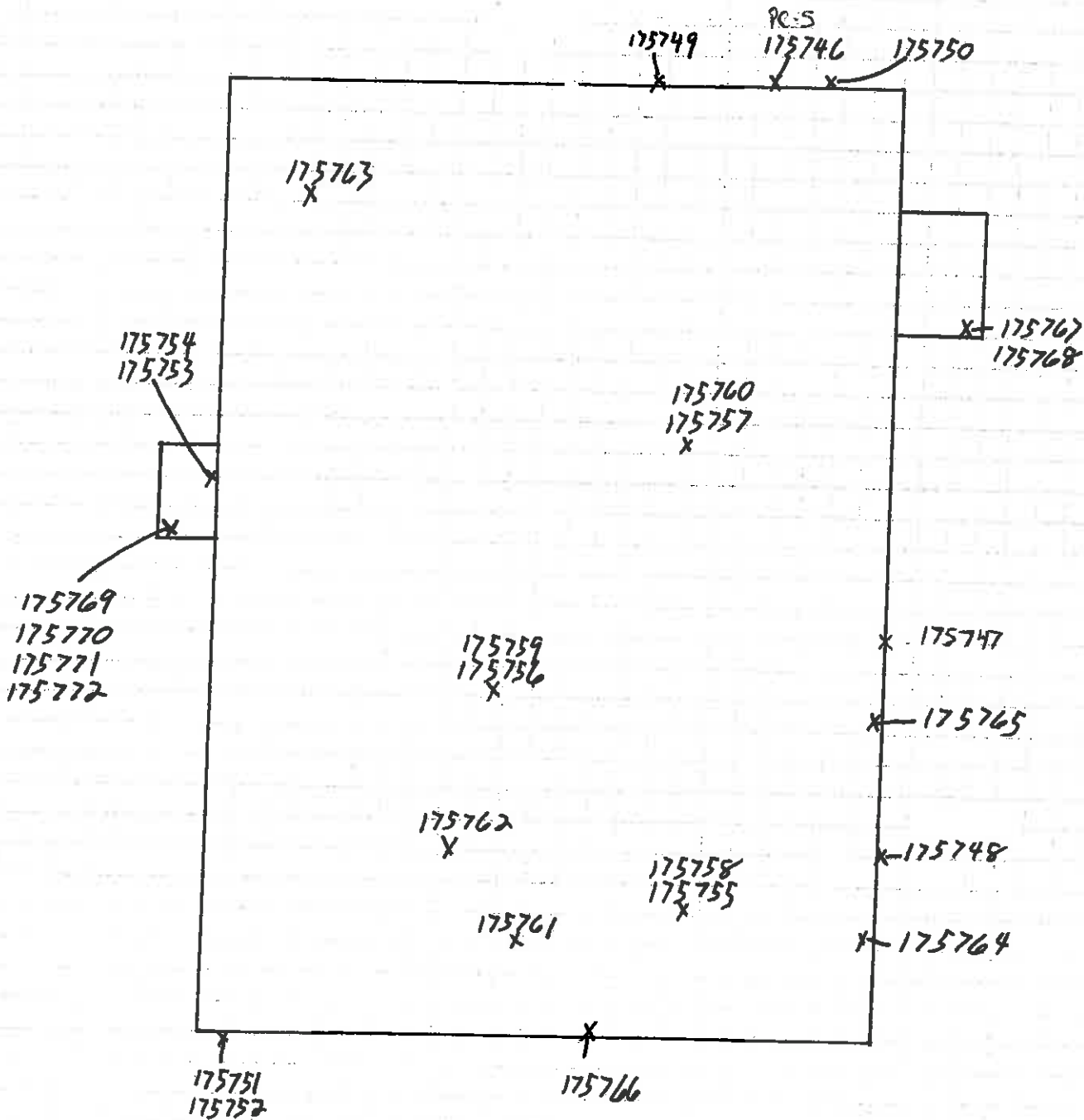


Figure 2
Asbestos + Lead Paint
Sample Locations
Exterior + Roof

* Sample Locations are approximate





Appendix A

Limitations and Service Constraints

LIMITATIONS AND SERVICE CONSTRAINTS

Asbestos Related Services

All professional opinions presented in this report are based on information made available to us either by review of data provided by others or data gathered by ARCADIS personnel.

ARCADIS affirms that data gathered and presented by ARCADIS in this report was collected in an appropriate manner in accordance with generally accepted methods and practices. ARCADIS cannot be responsible for decisions made by our client solely on the basis of economic factors.

Conditions described in this report are as found at the time of investigation, unless otherwise stated.

ARCADIS analyzed only the substances, conditions and locations described in the report at the time indicated. No inferences regarding other substances, conditions, location or time can be made unless specifically stated in this report.

No recommendations were provided for materials containing less than one- percent asbestos. Materials containing less than one percent asbestos do not meet either the generally accepted industry definition of asbestos-containing material (any material containing greater than one percent asbestos) or the EPA definition of friable ACM (any material friable bulk insulation material contain greater than one percent asbestos by weight as analyzed by Polarized Light Microscopy.) ARCADIS, however, makes no statement, implied or explicit, about the hazards of materials containing less than one percent asbestos.

This report is intended for the use listed in the section of this report described as the Introduction. The use of this report in any manner other than that listed in the Introduction requires the written consent of ARCADIS. This report must be presented in its entirety.



Appendix B

Asbestos Accreditations

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE



CERT# 10-18294
DMV# 566929206

MUST BE CARRIED ON ASBESTOS PROJECTS



This is to certify that
Kevin A Hardy

*has completed the requisite training, and has passed an examination for
reaccreditation as:*

Asbestos Inspector Refresher

pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

*For course participants seeking New York State certification or New York State training reciprocity, the official record of successful completion is the DOH 2832
Certificate of Completion of Asbestos Safety Training.*

Course Location

Institute for Environmental Education, Inc.
16 Upton Drive Wilmington, MA 01887

February 25, 2013

Course Dates

13-8021-106-212846

Certificate Number

February 25, 2013

Examination Date

February 25, 2014

Expiration Date

Training Director

16 Upton Drive, Wilmington, MA 01887

Telephone 978.658.5272

www.ieetrains.com

INSTITUTE FOR ENVIRONMENTAL EDUCATION



Appendix C

Laboratory Report (NVLAP) –
Asbestos Bulk Sample Results

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>cinnaslab@EMSL.com

EMSL Order: 041331207

CustomerID: ACAD78J

CustomerPO:

ProjectID:

Attn: **Greg Donovan**
ARCADIS U.S., Inc.
194 Forbes Road
Braintree, MA 02184

Phone: (781) 356-7300
 Fax:
 Received: 11/18/13 8:41 PM
 Analysis Date: 11/25/2013
 Collected: 11/14/2013

Project: **ARCADIS; BAYER 125 NEW SOUTH ROAD, HICKSVILLE, NEW YORK - B0032305.0012 - EXTERIOR AND ROOF**

Test Report:Asbestos Analysis of Bulk Material

Test		Analyzed Date	Color	Non Asbestos		Asbestos
Sample ID			Description	Fibrous	Non-Fibrous	
175747			Homogeneity	EXTERIOR WINDOW - GRAY	EXTERIOR WINDOW CAULKING	
041331207-0001				Homogeneous		
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	Gray				Inconclusive : <1%Chrysotile Inconclusive - <1% Total
TEM NYS 198.4 NOB	11/25/2013	Gray				<1% Chrysotile <1% Total
Sample ID	175748		Description	EXTERIOR WINDOW - GRAY	EXTERIOR WINDOW CAULKING	
041331207-0002			Homogeneity	Homogeneous		
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	11/24/2013	Gray				Inconclusive : <1%Chrysotile Inconclusive - <1% Total
TEM NYS 198.4 NOB	11/25/2013	Gray				<1% Chrysotile <1% Total
Sample ID	175749		Description	EAST SIDE EXTERIOR - BLACK	EXPANSION JOINT	
041331207-0003			Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	Black				Inconclusive: None Detected
TEM NYS 198.4 NOB	11/25/2013	Black				None Detected
Sample ID	175750		Description	EAST SIDE EXTERIOR - BLACK	EXPANSION JOINT	
041331207-0004			Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	11/24/2013	Black				Inconclusive: None Detected
TEM NYS 198.4 NOB	11/25/2013	Black				None Detected

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>cinnaslab@EMSL.com

EMSL Order: 041331207

CustomerID: ACAD78J

CustomerPO:

ProjectID:

Test Report:Asbestos Analysis of Bulk Material

Test		Color	Non Asbestos			Asbestos
Sample ID	175751 041331207-0005	Description Homogeneity	WEST SIDE EXTERIOR - WHITE EXPANSION JOINT CAULKING Homogeneous			
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	White				1.8% Chrysotile 1.8% Total
TEM NYS 198.4 NOB						Not Analyzed
Sample ID	175752 041331207-0006	Description Homogeneity	WEST SIDE EXTERIOR - WHITE EXPANSION JOINT CAULKING			
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	11/21/2013					Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB						Not Analyzed
Sample ID	175753 041331207-0007	Description Homogeneity	NORTH ENTRY - WHITE EXTERIOR DOOR CAULKING Heterogeneous			
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	White	9.5% Wollastonite	Inconclusive: None Detected		
TEM NYS 198.4 NOB	11/25/2013	White				9.5% Anthophyllite <1% Chrysotile 10.0% Total
Sample ID	175754 041331207-0008	Description Homogeneity	NORTH ENTRY - WHITE EXTERIOR DOOR CAULKING Homogeneous			
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	11/24/2013	White	5.4% Wollastonite	Inconclusive: None Detected		
TEM NYS 198.4 NOB	11/25/2013					Positive Stop (Not Analyzed)
Sample ID	175755 041331207-0009	Description Homogeneity	ROOF - SILVER COATED ROLLED ASPHALT ROOFING Heterogeneous			
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	Black /Silver				Inconclusive: None Detected
TEM NYS 198.4 NOB	11/25/2013	Black /Silver				None Detected
Sample ID	175756 041331207-0010	Description Homogeneity	ROOF - SILVER COATED ROLLED ASPHALT ROOFING Heterogeneous			
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	Black /Silver				Inconclusive: None Detected
TEM NYS 198.4 NOB	11/25/2013	Black /Silver				None Detected

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>cinnaslab@EMSL.com

EMSL Order: 041331207

CustomerID: ACAD78J

CustomerPO:

ProjectID:

Test Report:Asbestos Analysis of Bulk Material

		Non Asbestos		
Test		Color	Fibrous	Non-Fibrous
Sample ID		Description		Asbestos
175757		ROOF - SILVER COATED ROLLED ASPHALT ROOFING		
041331207-0011		Homogeneity	Heterogeneous	
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB	11/24/2013	Black /Silver		Inconclusive: None Detected
TEM NYS 198.4 NOB	11/25/2013	Black /Silver		None Detected
Sample ID		Description		
175758		MAIN ROOF FIELD LAYER 2 - BUILT UP ROOFING		
041331207-0012		Homogeneity	Homogeneous	
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB	11/25/2013	Black		2.1% Chrysotile
				2.1% Total
TEM NYS 198.4 NOB				Not Analyzed
Sample ID		Description		
175759		MAIN ROOF FIELD LAYER 2 - BUILT UP ROOFING		
041331207-0013		Homogeneity		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB	11/25/2013			Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB				Not Analyzed
Sample ID		Description		
175760		MAIN ROOF FIELD LAYER 2 - BUILT UP ROOFING		
041331207-0014		Homogeneity		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB	11/25/2013			Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB				Not Analyzed
Sample ID		Description		
175761		ROOF PENETRATION - FLASHING CEMENT		
041331207-0015		Homogeneity	Homogeneous	
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	Gray /Black		5.7% Chrysotile
				5.7% Total
TEM NYS 198.4 NOB				Not Analyzed
Sample ID		Description		
175762		ROOF PENETRATION - FLASHING CEMENT		
041331207-0016		Homogeneity		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB	11/21/2013			Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB				Not Analyzed

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>cinnaslab@EMSL.com

EMSL Order: 041331207

CustomerID: ACAD78J

CustomerPO:

ProjectID:

Test Report:Asbestos Analysis of Bulk Material

Test		Color	Non Asbestos			Asbestos
Sample ID		Description	Fibrous	Non-Fibrous		
175763 041331207-0017		Homogeneity	ROOF PENETRATION - FLASHING CEMENT			
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	11/21/2013					Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB						Not Analyzed
Sample ID	175764 041331207-0018	Description	PERIMETER LAYER 2 - BUILT UP ROOFING			
		Homogeneity	Homogeneous			
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	Black	8.5%	Glass		8.5% Chrysotile 8.5% Total
TEM NYS 198.4 NOB						Not Analyzed
Sample ID	175765 041331207-0019	Description	PERIMETER LAYER 2 - BUILT UP ROOFING			
		Homogeneity				
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	11/21/2013					Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB						Not Analyzed
Sample ID	175766 041331207-0020	Description	PERIMETER LAYER 2 - BUILT UP ROOFING			
		Homogeneity				
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	11/21/2013					Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB						Not Analyzed
Sample ID	175767 041331207-0021	Description	SE STORAGE ROOF - ROLLED ASPHALT SHINGLE			
		Homogeneity	Heterogeneous			
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	Gray /Black	2.1%	Glass		Inconclusive: None Detected
TEM NYS 198.4 NOB	11/25/2013	Gray /Black				None Detected
Sample ID	175768 041331207-0022	Description	SE STORAGE ROOF - ROLLED ASPHALT SHINGLE			
		Homogeneity	Heterogeneous			
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	11/24/2013	Gray /Black	1.4%	Glass		Inconclusive: None Detected
TEM NYS 198.4 NOB	11/25/2013	Gray /Black				None Detected

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>cinnasblab@EMSL.com

EMSL Order: 041331207

CustomerID: ACAD78J

CustomerPO:

ProjectID:

Test Report: Asbestos Analysis of Bulk Material

Test		Color	Non Asbestos		Asbestos
Sample ID		Description	Fibrous	Non-Fibrous	
175769					
041331207-0023		Homogeneity	NORTH ENTRY OVERHANG ROOF - BUILT UP ROOFING		
			Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	Black			3.5% Chrysotile
					3.5% Total
TEM NYS 198.4 NOB					Not Analyzed
Sample ID		Description	Fibrous	Non-Fibrous	Asbestos
175770					
041331207-0024		Homogeneity	NORTH ENTRY OVERHANG ROOF - BUILT UP ROOFING		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	11/21/2013				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB					Not Analyzed
Sample ID		Description	Fibrous	Non-Fibrous	Asbestos
175771					
041331207-0025		Homogeneity	NORTH ENTRY OVERHANG ROOF - FLASHING CEMENT		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	Black			8.1% Chrysotile
					8.1% Total
TEM NYS 198.4 NOB					Not Analyzed
Sample ID		Description	Fibrous	Non-Fibrous	Asbestos
175772					
041331207-0026		Homogeneity	NORTH ENTRY OVERHANG ROOF - FLASHING CEMENT		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	11/21/2013				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB					Not Analyzed

Analyst(s)

Frank Dicrescenzo William Nguyen

Justine Schenck

Samantha Rundstorm

Stephen Siegel, CIH, Laboratory Manager
or other approved signatory

NOB = Non Friable Organically Bound N/A = Not Applicable VCM = Vermiculite Containing Material

-In New York State, TEM is currently the only method that can be used to determine if NOB materials can be considered or treated as non-asbestos containing.

All samples examined for the presence of vermiculite when analyzed via NYS 198.1.

-NYS Guidelines for Vermiculite containing samples are available at http://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance_Rev070913.pdf

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples were received in good condition unless otherwise noted.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. This report may contain data that is not covered by the NVLAP accreditation.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NYS ELAP 10872, PA ID# 68-00367



Infrastructure, environment, buildings

041331207

CHAIN-OF-CUSTODY FORM

ARCADIS PROJECT NO.: 80032305.0012

PROJECT NAME: Bayer Hicksville

PAGE 1 OF ____

Mail Results To:	Mail Invoice To:
Name: <u>Greg Donovan</u>	Name: <u>Accounts Payable</u>
Company: <u>ARCADIS U.S Inc. (ARCADIS)</u>	Company: <u>ARCADIS U.S. Inc. (ARCADIS)</u>
Street: <u>194 Forbes Road</u>	Street: <u>630 Plaza Drive, Suite 100</u>
City, State Zip: <u>Braintree, MA 02184</u>	City, State Zip: <u>Highlands Ranch, CO 80129</u>
Phone #: <u>(781) 356-7300</u>	Phone #: _____
Fax #: <u>(781) 356-2211</u>	Fax #: _____
Email PDF Reports to: <u>greg.donovan@arcadis-us.com</u> <u>Kevin.hardy@arcadis-us.com</u>	Email EDD Reports to: <u>None</u>
Site Address: <u>125 New South Rd.</u> <u>Hicksville NY</u>	Sample Number Sequence:
Samples Collected By: <u>KAH</u>	Analysis Turnaround Time: <u>5 day</u>
Date(s) Collected: <u>11-14-13</u>	Date Faxed Results Required: _____
Sample Type: <u>Bulk</u>	Date Typed Results Required: _____

☐ Analyze All Samples☒ Positive Stop

	Printed Name	Signature	Affiliation	Date	Samples	Task for the Lab
Remitted	<u>Kevin Hardy</u>	<u>Kevin Hardy</u>	<u>ARCADIS</u>	<u>11-15-13</u>	<u>26 of 26</u>	<u>Fed Ex</u>
Received	<u>L. Ramowski</u>	<u>L. Ramowski</u>	<u>EMSL</u>	<u>11/15/13</u>	<u>26</u>	
Remitted						
Received						
Remitted						

Comments: Please call the ARCADIS employee named above in the "Mail Result To:" line if the laboratory has **ANY** questions about the samples, sample analysis, or chain-of-custody.

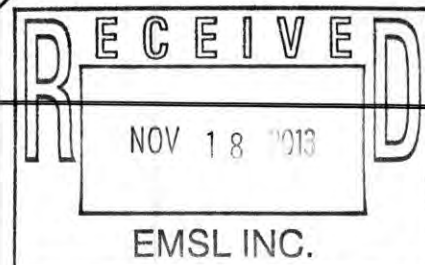
NY state Asbestos
Exterior + Roof

N:\HVA\Asbestos COCs\Bulk\Asbestos COC Cover Page_BraintreeMA.doc



ARCADIS U. S., Inc.
FIELD SAMPLING SHEET

PROJECT TITLE:		PROJECT#:	DATE SAMPLED:
SAMPLING TECHNICIAN:			
HOMOGENEOUS APPLICATION: <u>22</u>		 ARCADIS <u> </u> 175747	
SAMPLE DESCRIPTION: <u>Gray Exterior Window Caulking</u>			
SAMPLING LOCATION: <u>Exterior Window</u>			
HOMOGENEOUS APPLICATION: <u>22</u>		 ARCADIS <u> </u> 175748	
SAMPLE DESCRIPTION: <u>" "</u>			
SAMPLING LOCATION: <u>" "</u>			
HOMOGENEOUS APPLICATION: <u>23</u>		 ARCADIS <u> </u> 175749	
SAMPLE DESCRIPTION: <u>Black Expansion Joint Caulking</u>			
SAMPLING LOCATION: <u>East side Exterior</u>			
HOMOGENEOUS APPLICATION: <u>23</u>		 ARCADIS <u> </u> 175750	
SAMPLE DESCRIPTION: <u>" "</u>			
SAMPLING LOCATION: <u>" "</u>			
HOMOGENEOUS APPLICATION: <u>24</u>		 ARCADIS <u> </u> 175751	
SAMPLE DESCRIPTION: <u>White Expansion Joint Caulking</u>			
SAMPLING LOCATION: <u>West side Exterior</u>			

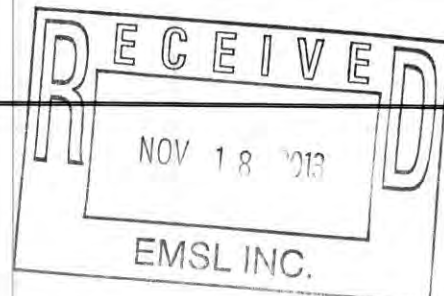


10

RECEIVED
NOV 18 2013
EMSL INC.

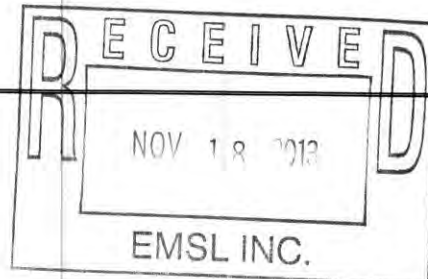
**ARCADIS U. S., Inc.
FIELD SAMPLING SHEET**

PROJECT TITLE:		PROJECT#:	DATE SAMPLED:
SAMPLING TECHNICIAN:			
HOMOGENEOUS APPLICATION: <u>26</u>		 ARCADIS <u> </u> 175757	
SAMPLE DESCRIPTION: <u>11</u>			
SAMPLING LOCATION: <u>11</u>			
HOMOGENEOUS APPLICATION: <u>27</u>		 ARCADIS <u> </u> 175758	
SAMPLE DESCRIPTION: <u>Built up Roofing</u>			
SAMPLING LOCATION: <u>Main Roof Field-Layer 2</u>			
HOMOGENEOUS APPLICATION: <u>27</u>		 ARCADIS <u> </u> 175759	
SAMPLE DESCRIPTION: <u>11</u>			
SAMPLING LOCATION: <u>11</u>			
HOMOGENEOUS APPLICATION: <u>27</u>		 ARCADIS <u> </u> 175760	
SAMPLE DESCRIPTION: <u>11</u>			
SAMPLING LOCATION: <u>11</u>			
HOMOGENEOUS APPLICATION: <u>28</u>		 ARCADIS <u> </u> 175761	
SAMPLE DESCRIPTION: <u>Flashing Cement</u>			
SAMPLING LOCATION: <u>Roof Penetration</u>			



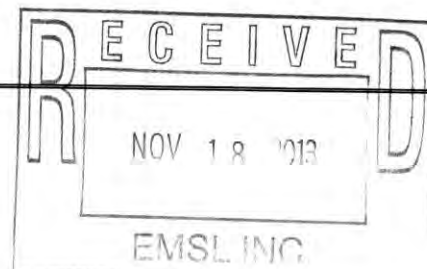
**ARCADIS U. S., Inc.
FIELD SAMPLING SHEET**

PROJECT TITLE:		PROJECT#:	DATE SAMPLED:
SAMPLING TECHNICIAN:			
HOMOGENEOUS APPLICATION: <u>28</u>		 ARCADIS <u> </u> 175762	
SAMPLE DESCRIPTION: <u> </u> <u> </u>			
SAMPLING LOCATION: <u> </u> <u> </u>			
HOMOGENEOUS APPLICATION: <u>28</u>		 ARCADIS <u> </u> 175763	
SAMPLE DESCRIPTION: <u> </u> <u> </u>			
SAMPLING LOCATION: <u> </u> <u> </u>			
HOMOGENEOUS APPLICATION: <u>29</u>		 ARCADIS <u> </u> 175764	
SAMPLE DESCRIPTION: <u>Built up Rooting</u>			
SAMPLING LOCATION: <u>Perimeter Layer 2</u>			
HOMOGENEOUS APPLICATION: <u>29</u>		 ARCADIS <u> </u> 175765	
SAMPLE DESCRIPTION: <u> </u> <u> </u>			
SAMPLING LOCATION: <u> </u> <u> </u>			
HOMOGENEOUS APPLICATION: <u>29</u>		 ARCADIS <u> </u> 175766	
SAMPLE DESCRIPTION: <u> </u> <u> </u>			
SAMPLING LOCATION: <u> </u> <u> </u>			



ARCADIS U. S., Inc.
FIELD SAMPLING SHEET

PROJECT TITLE:	PROJECT#:	DATE SAMPLED:
SAMPLING TECHNICIAN:		
HOMOGENEOUS APPLICATION: <u>30</u>	 ARCADIS <u> </u> 175767	
SAMPLE DESCRIPTION: <u>Rotled Asphalt shingle</u>		
SAMPLING LOCATION: <u>S.E. Storage Roof</u>		
HOMOGENEOUS APPLICATION: <u>30</u>	 ARCADIS <u> </u> 175768	
SAMPLE DESCRIPTION: <u> " "</u>		
SAMPLING LOCATION: <u> " "</u>		
HOMOGENEOUS APPLICATION: <u>32</u>	 ARCADIS <u> </u> 175769	
SAMPLE DESCRIPTION: <u>Built up Roofing</u>		
SAMPLING LOCATION: <u>N. Entry Overhang roof</u>		
HOMOGENEOUS APPLICATION: <u>32</u>	 ARCADIS <u> </u> 175770	
SAMPLE DESCRIPTION: <u> " "</u>		
SAMPLING LOCATION: <u> " "</u>		
HOMOGENEOUS APPLICATION: <u>33</u>	 ARCADIS <u> </u> 175771	
SAMPLE DESCRIPTION: <u>Flashing Cement</u>		
SAMPLING LOCATION: <u>N. Entry Overhang roof</u>		



ARCADIS U. S., Inc.
FIELD SAMPLING SHEET**PROJECT TITLE:****PROJECT#:****DATE SAMPLED:****SAMPLING TECHNICIAN:****HOMOGENEOUS APPLICATION:****SAMPLE DESCRIPTION:**

11

11

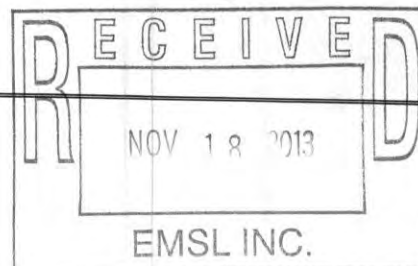
 **ARCADIS**

175772

SAMPLING LOCATION:

11

11

HOMOGENEOUS APPLICATION:**SAMPLE DESCRIPTION:****SAMPLING LOCATION:****HOMOGENEOUS APPLICATION:****SAMPLE DESCRIPTION:****SAMPLING LOCATION:****HOMOGENEOUS APPLICATION:****SAMPLE DESCRIPTION:****SAMPLING LOCATION:****HOMOGENEOUS APPLICATION:****SAMPLE DESCRIPTION:****SAMPLING LOCATION:**

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>cinnaslab@EMSL.com

EMSL Order: 041331211

CustomerID: ACAD78J

CustomerPO:

ProjectID:

Attn: **Greg Donovan**
ARCADIS U.S., Inc.
194 Forbes Road
Braintree, MA 02184

Phone: (781) 356-7300
 Fax:
 Received: 11/18/13 8:41 AM
 Analysis Date: 11/25/2013
 Collected: 11/1/2013

Project: **ARCADIS; BAYER 125 NEW SOUTH ROAD, INTERIOR, HICKSVILLE, NEW YORK - B0032305.0012****Test Report:Asbestos Analysis of Bulk Material**

Test	Analyzed Date	Color	Non Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 175685 041331211-0001		Description OFFICE - 12X12 BEIGE WITH BROWN SPECKS FLOOR TILE Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	Tan /Red			Inconclusive: None Detected
TEM NYS 198.4 NOB	11/25/2013	Tan	<1% Fibrous (other)		None Detected
Sample ID 175686 041331211-0002		Description OFFICE - 12X12 BEIGE WITH BROWN SPECKS FLOOR TILE Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	11/22/2013	Tan			Inconclusive: None Detected
TEM NYS 198.4 NOB	11/25/2013	Tan			None Detected
Sample ID 175687 041331211-0003		Description OFFICE - BLACK MASTIC WITH HA1 Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	Black			Inconclusive : <1%Chrysotile Inconclusive - <1% Total
TEM NYS 198.4 NOB	11/25/2013	Black	<1% Fibrous (other)		None Detected
Sample ID 175688 041331211-0004		Description OFFICE - BLACK MASTIC WITH HA1 Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	11/22/2013	Black			Inconclusive: None Detected
TEM NYS 198.4 NOB	11/25/2013	Black			None Detected
Sample ID 175689 041331211-0005		Description OFFICE - 12X12 WHITE WITH BLACK STREAKS FLOOR TILE Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	11/22/2013	Tan			3.5% Chrysotile 3.5% Total
TEM NYS 198.4 NOB					Not Analyzed

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Phone/Fax: (800) 220-3675 / (856) 786-5974

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EMSL Order: 041331211

CustomerID: ACAD78J

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Test Report:Asbestos Analysis of Bulk Material

		Non Asbestos		
Test		Color	Fibrous	Non-Fibrous Asbestos
Sample ID 175690 041331211-0006	Description Homogeneity	OFFICE - 12X12 WHITE WITH BLACK STREAKS FLOOR TILE		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB	11/21/2013			Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB				Not Analyzed
Sample ID 175691 041331211-0007	Description Homogeneity	OFFICE - 12X12 WHITE WITH BLACK STREAKS FLOOR TILE		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB	11/21/2013			Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB				Not Analyzed
Sample ID 175692 041331211-0008	Description Homogeneity	OFFICE - BLACK MASTIC WITH HA3 Homogeneous		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	Black		Inconclusive: None Detected
TEM NYS 198.4 NOB	11/25/2013	Black		<1% Chrysotile <1% Total
Sample ID 175693 041331211-0009	Description Homogeneity	OFFICE - BLACK MASTIC WITH HA3 Homogeneous		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	Black		Inconclusive : <1%Chrysotile Inconclusive - <1% Total
TEM NYS 198.4 NOB	11/25/2013	Black		<1% Chrysotile <1% Total
Sample ID 175694 041331211-0010	Description Homogeneity	OFFICE - BLACK MASTIC WITH HA3 Homogeneous		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB	11/22/2013	Black		Inconclusive: None Detected
TEM NYS 198.4 NOB	11/25/2013	Black		<1% Chrysotile <1% Total

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Test Report:Asbestos Analysis of Bulk Material

		Non Asbestos		
Test		Color	Fibrous	Asbestos
Sample ID	175695	Description	OFFICE - 12X12 PURPLE MOTTLED FLOOR TILE	
	041331211-0011	Homogeneity	Homogeneous	
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	Red	Inconclusive: None Detected	
TEM NYS 198.4 NOB	11/25/2013	Red	<1% Chrysotile <1% Total	
Sample ID	175696	Description	OFFICE - 12X12 PURPLE MOTTLED FLOOR TILE	
	041331211-0012	Homogeneity	Homogeneous	
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB	11/25/2013	Red	Inconclusive: None Detected	
TEM NYS 198.4 NOB	11/25/2013	Red	<1% Chrysotile <1% Total	
Sample ID	175697	Description	OFFICE - YELLOW MASTIC WITH HA5	
	041331211-0013	Homogeneity	Homogeneous	
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	Yellow	Inconclusive: None Detected	
TEM NYS 198.4 NOB	11/25/2013	Yellow	<1% Fibrous (other) None Detected	
Sample ID	175698	Description	OFFICE - YELLOW MASTIC WITH HA5	
	041331211-0014	Homogeneity	Homogeneous	
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB	11/22/2013	Yellow	Inconclusive: None Detected	
TEM NYS 198.4 NOB	11/25/2013	Yellow	None Detected	
Sample ID	175699	Description	HALLWAY - 9X9 BEIGE WITH BROWN STREAKS FLOOR TILE	
	041331211-0015	Homogeneity	Homogeneous	
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB	11/22/2013	Brown	2.3% Chrysotile 2.3% Total	
TEM NYS 198.4 NOB				Not Analyzed
Sample ID	175700	Description	OFFICE - 9X9 BEIGE WITH BROWN STREAKS FLOOR TILE	
	041331211-0016	Homogeneity		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB	11/22/2013		Positive Stop (Not Analyzed)	
TEM NYS 198.4 NOB				Not Analyzed

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<http://www.EMSL.com>cinnasblab@EMSL.com

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Test Report:Asbestos Analysis of Bulk Material

Test		Color	Fibrous	Non-Fibrous	Asbestos
Sample ID	175701 041331211-0017	Description Homogeneity	HALLWAY - 9X9 BEIGE WITH BROWN STREAKS FLOOR TILE		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	11/22/2013				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	175702 041331211-0018	Description Homogeneity	HALLWAY - BLACK MASTIC WITH HA7 Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	Black			Inconclusive : <1%Chrysotile Inconclusive - <1% Total
TEM NYS 198.4 NOB	11/25/2013	Black			2.4% Chrysotile 2.4% Total
Sample ID	175703 041331211-0019	Description Homogeneity	OFFICE - BLACK MASTIC WITH HA7 Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	Black			Inconclusive : <1%Chrysotile Inconclusive - <1% Total
TEM NYS 198.4 NOB	11/25/2013				Positive Stop (Not Analyzed)
Sample ID	175704 041331211-0020	Description Homogeneity	HALLWAY - BLACK MASTIC WITH HA7 Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	11/22/2013	Black			Inconclusive: None Detected
TEM NYS 198.4 NOB	11/25/2013				Positive Stop (Not Analyzed)
Sample ID	175705 041331211-0021	Description Homogeneity	MESN - GROUT WITH 4" CERAMIC WALL TILE Homogeneous		
PLM NYS 198.1 Friable	11/19/2013	Gray		100.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	175706 041331211-0022	Description Homogeneity	WOMENS - GROUT WITH 4" CERAMIC WALL TILE Homogeneous		
PLM NYS 198.1 Friable	11/22/2013	Gray		100.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

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Test Report:Asbestos Analysis of Bulk Material

Test		Color	Non Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID	175707 041331211-0023	Description Homogeneity	MENS - ADHESIVE WITH 4" CERAMIC WALL TILE Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	Gray			Inconclusive: None Detected
TEM NYS 198.4 NOB	11/25/2013	Gray			None Detected
Sample ID	175708 041331211-0024	Description Homogeneity	WOMENS - ADHESIVE WITH 4" CERAMIC WALL TILE Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	11/22/2013	Gray			Inconclusive: None Detected
TEM NYS 198.4 NOB	11/25/2013	Gray			None Detected
Sample ID	175709 041331211-0025	Description Homogeneity	MENS - GROUT WITH 6" CERAMIC FLOOR TILE Homogeneous		
PLM NYS 198.1 Friable	11/19/2013	Gray	100.00% Non-fibrous (other)		None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	175710 041331211-0026	Description Homogeneity	WOMENS - GROUT WITH 6" CERAMIC FLOOR TILE Homogeneous		
PLM NYS 198.1 Friable	11/22/2013	Gray	100.00% Non-fibrous (other)		None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	175711 041331211-0027	Description Homogeneity	MENS - BKACJ/GRAY ADHESIVE WITH 6" CERAMIC FLOOR TILE Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	Black			1.2% Chrysotile 1.2% Total
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	175712 041331211-0028	Description Homogeneity	WOMENS - BKACJ/GRAY ADHESIVE WITH 6" CERAMIC FLOOR TILE		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	11/21/2013				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB					Not Analyzed

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200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

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EMSL Order: 041331211

CustomerID: ACAD78J

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ProjectID:

Test Report:Asbestos Analysis of Bulk Material

Test		Color	Non Asbestos			Asbestos
			Fibrous	Non-Fibrous		
Sample ID	175713 041331211-0029	Description Homogeneity	MENS - BLACK MIRROR MASTIC Homogeneous			
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	Black				Inconclusive: None Detected
TEM NYS 198.4 NOB	11/25/2013	Black				<1% Chrysotile <1% Total
Sample ID	175714 041331211-0030	Description Homogeneity	MENS - BLACK MIRROR MASTIC Homogeneous			
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	11/22/2013	Black				Inconclusive: None Detected
TEM NYS 198.4 NOB	11/25/2013	Black				None Detected
Sample ID	175715 041331211-0031	Description Homogeneity	OFFICE - BLACK RFESIDUAL FLOOR MASTIC Homogeneous			
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	Black				2.3% Chrysotile 2.3% Total
TEM NYS 198.4 NOB						Not Analyzed
Sample ID	175716 041331211-0032	Description Homogeneity	OFFICE - BLACK RFESIDUAL FLOOR MASTIC			
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	11/21/2013					Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB						Not Analyzed
Sample ID	175717 041331211-0033	Description Homogeneity	OFFICE - BLACK RFESIDUAL FLOOR MASTIC			
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	11/21/2013					Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB						Not Analyzed
Sample ID	175718 041331211-0034	Description Homogeneity	OFFICE - GYPSUM BOARD Homogeneous			
PLM NYS 198.1 Friable	11/20/2013	White	5.00% Cellulose	95.00% Non-fibrous (other)		None Detected
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB						Not Analyzed
TEM NYS 198.4 NOB						Not Analyzed

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Phone/Fax: (800) 220-3675 / (856) 786-5974

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EMSL Order: 041331211

CustomerID: ACAD78J

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ProjectID:

Test Report:Asbestos Analysis of Bulk Material

Test		Color	Non Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID	175719	Description	HALL - GYPSUM BOARD		
	041331211-0035	Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	11/20/2013	White	8.00% Cellulose	92.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	175720	Description	WAREHOUSE - GYPSUM BOARD		
	041331211-0036	Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	11/22/2013	White	10.00% Cellulose	90.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	175721	Description	NORTH ENTRY - YELLOW JOINT COMPOUND		
	041331211-0037	Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	11/20/2013	White		96.61% Non-fibrous (other)	3.39% Chrysotile
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	175722	Description	HALLWAY - YELLOW JOINT COMPOUND		
	041331211-0038	Homogeneity			
PLM NYS 198.1 Friable	11/20/2013				Positive Stop
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	175723	Description	OFFICE - YELLOW JOINT COMPOUND		
	041331211-0039	Homogeneity			
PLM NYS 198.1 Friable	11/20/2013				Positive Stop
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	175724	Description	HALLWAY - YELLOW JOINT COMPOUND		
	041331211-0040	Homogeneity			
PLM NYS 198.1 Friable	11/20/2013				Positive Stop
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

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EMSL Order: 041331211

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Test Report:Asbestos Analysis of Bulk Material

Test		Non Asbestos		Asbestos
Sample ID	Color	Fibrous	Non-Fibrous	
175725 041331211-0041	Description Homogeneity	OFFICE - YELLOW JOINT COMPOUND		
PLM NYS 198.1 Friable	11/20/2013			Positive Stop
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB				Not Analyzed
TEM NYS 198.4 NOB				Not Analyzed
Sample ID	Color	Description	Homogeneity	
175726 041331211-0042		OFFICE - WALL PANEL ADHESIVE	Homogeneous	
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	Yellow		Inconclusive: None Detected
TEM NYS 198.4 NOB	11/25/2013	Yellow		None Detected
Sample ID	Color	Description	Homogeneity	
175727 041331211-0043		CONFERENCE ROOM - WALL PANEL ADHESIVE	Homogeneous	
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	Yellow		Inconclusive: None Detected
TEM NYS 198.4 NOB	11/25/2013	Yellow	<1% Fibrous (other)	None Detected
Sample ID	Color	Description	Homogeneity	
175728 041331211-0044		OFFICE - WALL PANEL ADHESIVE	Homogeneous	
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB	11/22/2013	Yellow		Inconclusive: None Detected
TEM NYS 198.4 NOB	11/25/2013	Yellow		<1% Chrysotile <1% Total
Sample ID	Color	Description	Homogeneity	
175729 041331211-0045		HALLWAY - YELLOW RESIDUASL FLOOR MASTIC	Homogeneous	
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	Yellow		Inconclusive: None Detected
TEM NYS 198.4 NOB	11/25/2013	Yellow		None Detected
Sample ID	Color	Description	Homogeneity	
175730 041331211-0046		OFFICE - YELLOW RESIDUASL FLOOR MASTIC	Homogeneous	
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	Yellow		Inconclusive: None Detected
TEM NYS 198.4 NOB	11/25/2013	Yellow		None Detected

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EMSL Order: 041331211

CustomerID: ACAD78J

CustomerPO:

ProjectID:

Test Report:Asbestos Analysis of Bulk Material

Test		Color	Fibrous	Non-Fibrous	Asbestos
Sample ID	175731 041331211-0047	Description Homogeneity	CONFERENCE ROOM - YELLOW RESIDUASL FLOOR MASTIC Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	11/22/2013	Yellow	Inconclusive: None Detected		
TEM NYS 198.4 NOB	11/25/2013	Yellow	None Detected		
Sample ID	175732 041331211-0048	Description Homogeneity	HALLWAY - WHITE JOINT COMPOUND Homogeneous		
PLM NYS 198.1 Friable	11/20/2013	White	100.00% Non-fibrous (other)		None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	175733 041331211-0049	Description Homogeneity	OFFICE - WHITE JOINT COMPOUND Homogeneous		
PLM NYS 198.1 Friable	11/20/2013	White	100.00% Non-fibrous (other)		None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	175734 041331211-0050	Description Homogeneity	WAREHOUSE - WHITE JOINT COMPOUND Homogeneous		
PLM NYS 198.1 Friable	11/20/2013	White	100.00% Non-fibrous (other)		None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	175735 041331211-0051	Description Homogeneity	WAREHOUSE - WHITE JOINT COMPOUND Homogeneous		
PLM NYS 198.1 Friable	11/22/2013	White	100.00% Non-fibrous (other)		None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	175736 041331211-0052	Description Homogeneity	OFFICE - WHITE JOINT COMPOUND Homogeneous		
PLM NYS 198.1 Friable	11/22/2013	White	100.00% Non-fibrous (other)		None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>cinnaslab@EMSL.com

EMSL Order: 041331211

CustomerID: ACAD78J

CustomerPO:

ProjectID:

Test Report:Asbestos Analysis of Bulk Material

Test		Color	Fibrous	Non-Fibrous	Asbestos
Sample ID	175737 041331211-0053	Description Homogeneity	MENS - CONCRETE WALL PANEL Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	Gray	Inconclusive: None Detected		
TEM NYS 198.4 NOB	11/25/2013	Gray	None Detected		
Sample ID	175738 041331211-0054	Description Homogeneity	MENS - CONCRETE WALL PANEL Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	11/22/2013	Gray	Inconclusive: None Detected		
TEM NYS 198.4 NOB	11/25/2013	Gray	None Detected		
Sample ID	175739 041331211-0055	Description Homogeneity	OFFICE - INTERIOR WINDOW CAULKING Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	11/21/2013	White	1.2% Chrysotile 1.2% Total		
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	175740 041331211-0056	Description Homogeneity	OFFICE - INTERIOR WINDOW CAULKING		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	11/21/2013		Positive Stop (Not Analyzed)		
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	175741 041331211-0057	Description Homogeneity	WAREHOUSE - INTERIOR WINDOW CAULKING		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	11/21/2013		Positive Stop (Not Analyzed)		
TEM NYS 198.4 NOB					Not Analyzed

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>cinnaslab@EMSL.com

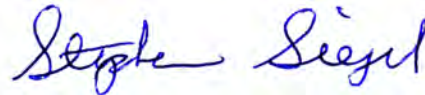
EMSL Order: 041331211

CustomerID: ACAD78J

CustomerPO:

ProjectID:

Test Report: Asbestos Analysis of Bulk Material

Test	Non Asbestos			Asbestos
	Color	Fibrous	Non-Fibrous	
Analyst(s)				
Anne Paul	Matthew Carralero			 Stephen Siegel, CIH, Laboratory Manager or other approved signatory
Erica Valent	Wayne Froehlich			
Justine Schenck				

NOB = Non Friable Organically Bound N/A = Not Applicable VCM = Vermiculite Containing Material

-In New York State, TEM is currently the only method that can be used to determine if NOB materials can be considered or treated as non-asbestos containing.

All samples examined for the presence of vermiculite when analyzed via NYS 198.1.

-NYS Guidelines for Vermiculite containing samples are available at http://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance_Rev070913.pdf

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL.

EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples were received in good condition unless otherwise noted.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. This report may contain data that is not covered by the NVLAP accreditation.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NYS ELAP 10872, PA ID# 68-00367



Infrastructure, environment, buildings

041331211

CHAIN-OF-CUSTODY FORM

ARCADIS PROJECT NO.: 80032305.0012

PROJECT NAME: Bayer Hicksville

PAGE 1 OF ____

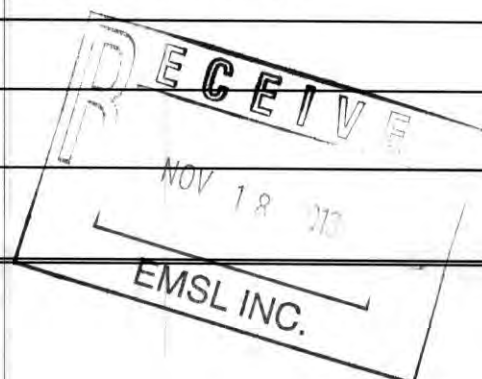
Mail Results To:	Mail Invoice To:
Name: <u>Greg Donovan</u>	Name: <u>Accounts Payable</u>
Company: <u>ARCADIS U.S Inc. (ARCADIS)</u>	Company: <u>ARCADIS U.S. Inc. (ARCADIS)</u>
Street: <u>194 Forbes Road</u>	Street: <u>630 Plaza Drive, Suite 100</u>
City, State Zip: <u>Braintree, MA 02184</u>	City, State Zip: <u>Highlands Ranch, CO 80129</u>
Phone #: <u>(781) 356-7300</u>	Phone #: _____
Fax #: <u>(781) 356-2211</u>	Fax #: _____
Email PDF Reports to: <u>Kevin.hardy@arcadis-us.com</u> <u>greg.donovan@arcadis-us.com</u>	Email EDD Reports to: <u>None</u>
Site Address: <u>125 New South Road</u> <u>Hicksville NY</u>	Sample Number Sequence: _____
Samples Collected By: <u>KAH</u>	Analysis Turnaround Time: <u>5-day</u>
Date(s) Collected: <u>11-13-13</u>	Date Faxed Results Required: _____
Sample Type: <u>Bulk</u>	Date Typed Results Required: _____

☐ Analyze All Samples☒ Positive Stop

	Printed Name	Signature	Affiliation	Date	Samples	Task for the Lab
Remitted	<u>Kevin Hardy</u>	<u>Kevin A Hardy</u>	<u>ARCADIS</u>	<u>11-13-13</u>	<u>57 of 61 Ex</u>	
Received	<u>L. Ramowski</u>	<u>L. Ramowski</u>	<u>EMSL</u>	<u>11/18/13</u>	<u>57</u>	
Remitted						
Received						
Remitted						

Comments: Please call the ARCADIS employee named above in the "Mail Result To:" line if the laboratory has **ANY** questions about the samples, sample analysis, or chain-of-custody.

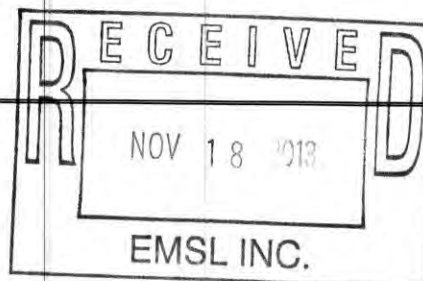
NY state Asbestos
Interior



N:\H\Asbestos COCs\Bulk\Asbestos COC Cover Page_BraintreeMA.doc

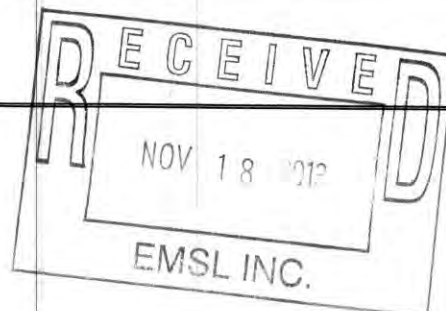
ARCADIS U. S., Inc.
FIELD SAMPLING SHEET

PROJECT TITLE:		PROJECT#:	DATE SAMPLED:
SAMPLING TECHNICIAN:			
HOMOGENEOUS APPLICATION: <u>1</u>		 ARCADIS <u> </u> 175685	
SAMPLE DESCRIPTION: <u>12x12 beige w/Brown specks Floor tile</u>			
SAMPLING LOCATION: <u>office</u>			
HOMOGENEOUS APPLICATION: <u>1</u>		 ARCADIS <u> </u> 175686	
SAMPLE DESCRIPTION: <u>" "</u>			
SAMPLING LOCATION: <u>" "</u>			
HOMOGENEOUS APPLICATION: <u>2</u>		 ARCADIS <u> </u> 175687	
SAMPLE DESCRIPTION: <u>Black Mastic w/HA-1</u>			
SAMPLING LOCATION: <u>office</u>			
HOMOGENEOUS APPLICATION: <u>2</u>		 ARCADIS <u> </u> 175688	
SAMPLE DESCRIPTION: <u>" "</u>			
SAMPLING LOCATION: <u>" "</u>			
HOMOGENEOUS APPLICATION: <u>3</u>		 ARCADIS <u> </u> 175689	
SAMPLE DESCRIPTION: <u>12x12 white w/black streaks Floor tile</u>			
SAMPLING LOCATION: <u>office</u>			

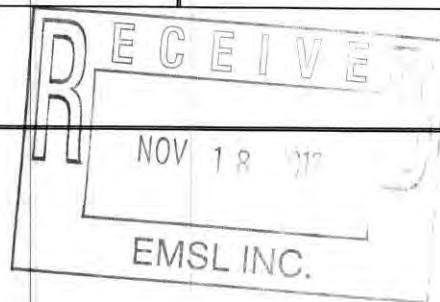


RECEIVED
NOV 18 1973
EMSL INC.

ARCADIS U. S., Inc. FIELD SAMPLING SHEET		
PROJECT TITLE:	PROJECT#:	DATE SAMPLED:
SAMPLING TECHNICIAN:		
HOMOGENEOUS APPLICATION: <u>5</u>	 ARCADIS <u> </u> 175695	
SAMPLE DESCRIPTION: <u>12x12 Purple Mottled Floor tile</u>		
SAMPLING LOCATION: <u>office</u>		
HOMOGENEOUS APPLICATION: <u>5</u>	 ARCADIS <u> </u> 175696	
SAMPLE DESCRIPTION: <u>" "</u>		
SAMPLING LOCATION: <u>" "</u>		
HOMOGENEOUS APPLICATION: <u>6</u>	 ARCADIS <u> </u> 175697	
SAMPLE DESCRIPTION: <u>yellow Mastic w/HA-5</u>		
SAMPLING LOCATION: <u>office</u>		
HOMOGENEOUS APPLICATION: <u>6</u>	 ARCADIS <u> </u> 175698	
SAMPLE DESCRIPTION: <u>" "</u>		
SAMPLING LOCATION: <u>" "</u>		
HOMOGENEOUS APPLICATION: <u>7</u>	 ARCADIS <u> </u> 175699	
SAMPLE DESCRIPTION: <u>9x9 beige w/brown streaks floor tile</u>		
SAMPLING LOCATION: <u>Hallway</u>		

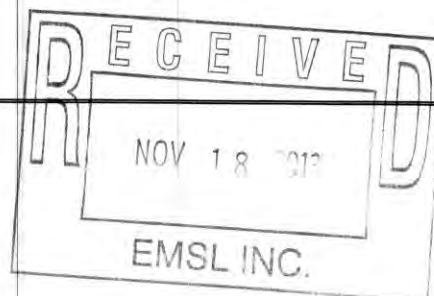


ARCADIS U. S., Inc. FIELD SAMPLING SHEET		
PROJECT TITLE:	PROJECT#:	DATE SAMPLED:
SAMPLING TECHNICIAN:		
HOMOGENEOUS APPLICATION:	7	 ARCADIS _____ 175700
SAMPLE DESCRIPTION:	//	
SAMPLING LOCATION:		
office		
HOMOGENEOUS APPLICATION:	7	 ARCADIS _____ 175701
SAMPLE DESCRIPTION:	//	
SAMPLING LOCATION:		
Hallway		
HOMOGENEOUS APPLICATION:	8	 ARCADIS _____ 175702
SAMPLE DESCRIPTION:	Black mastic w/HA-7	
SAMPLING LOCATION:		
Hallway		
HOMOGENEOUS APPLICATION:	8	 ARCADIS _____ 175703
SAMPLE DESCRIPTION:	//	
SAMPLING LOCATION:		
office		
HOMOGENEOUS APPLICATION:	8	 ARCADIS _____ 175704
SAMPLE DESCRIPTION:	//	
SAMPLING LOCATION:		
Hall way		



ARCADIS U. S., Inc.
FIELD SAMPLING SHEET

PROJECT TITLE:		PROJECT#:	DATE SAMPLED:
SAMPLING TECHNICIAN:			
HOMOGENEOUS APPLICATION: <u>9</u>		 ARCADIS <u> </u> 175705	
SAMPLE DESCRIPTION: <u>Grout w/ 4" Ceramic wall tile</u>			
SAMPLING LOCATION: <u>Mens</u>			
HOMOGENEOUS APPLICATION: <u>9</u>		 ARCADIS <u> </u> 175706	
SAMPLE DESCRIPTION: <u>11</u>			
SAMPLING LOCATION: <u>Womens</u>			
HOMOGENEOUS APPLICATION: <u>10</u>		 ARCADIS <u> </u> 175707	
SAMPLE DESCRIPTION: <u>adhesive w/ 4" Ceramic wall tile</u>			
SAMPLING LOCATION: <u>Mens</u>			
HOMOGENEOUS APPLICATION: <u>10</u>		 ARCADIS <u> </u> 175708	
SAMPLE DESCRIPTION: <u>11</u>			
SAMPLING LOCATION: <u>Womens</u>			
HOMOGENEOUS APPLICATION: <u>11</u>		 ARCADIS <u> </u> 175709	
SAMPLE DESCRIPTION: <u>Grout w/ 6" Ceramic floor tile</u>			
SAMPLING LOCATION: <u>Mens</u>			

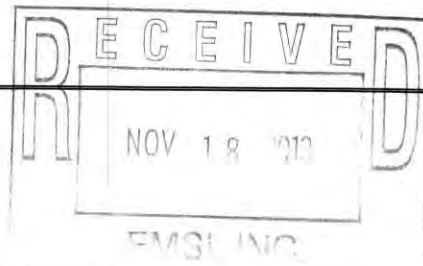


ARCADIS U. S., Inc. FIELD SAMPLING SHEET		
PROJECT TITLE:	PROJECT#:	DATE SAMPLED:
SAMPLING TECHNICIAN:		
HOMOGENEOUS APPLICATION:	<u>11</u>	 ARCADIS <u> </u> 175710
SAMPLE DESCRIPTION:		
<u>11</u> <u>4</u>		
SAMPLING LOCATION:		
<u>Womens</u>		
HOMOGENEOUS APPLICATION:	<u>12</u>	 ARCADIS <u> </u> 175711
SAMPLE DESCRIPTION:		
<u>black/gray adhesive w/ 6" Ceramic Floor tile</u>		
SAMPLING LOCATION:		
<u>Mens</u>		
HOMOGENEOUS APPLICATION:	<u>12</u>	 ARCADIS <u> </u> 175712
SAMPLE DESCRIPTION:		
<u>11</u> <u>4</u>		
SAMPLING LOCATION:		
<u>Womens</u>		
HOMOGENEOUS APPLICATION:	<u>13</u>	 ARCADIS <u> </u> 175713
SAMPLE DESCRIPTION:		
<u>black Mirror Mastic</u>		
SAMPLING LOCATION:		
<u>Mens</u>		
HOMOGENEOUS APPLICATION:	<u>13</u>	 ARCADIS <u> </u> 175714
SAMPLE DESCRIPTION:		
<u>11</u> <u>11</u>		
SAMPLING LOCATION:		
<u>11</u> <u>11</u>		

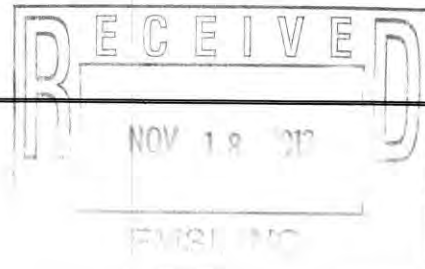


ARCADIS U. S., Inc.
FIELD SAMPLING SHEET

PROJECT TITLE:		PROJECT#:	DATE SAMPLED:
SAMPLING TECHNICIAN:			
HOMOGENEOUS APPLICATION: <u>15</u>		 ARCADIS <u> </u> 175720	
SAMPLE DESCRIPTION: <u>11</u>			
SAMPLING LOCATION: <u>Warehouse</u>			
HOMOGENEOUS APPLICATION: <u>16</u>		 ARCADIS <u> </u> 175721	
SAMPLE DESCRIPTION: <u>Yellow Joint Compound</u>			
SAMPLING LOCATION: <u>North Entry</u>			
HOMOGENEOUS APPLICATION: <u>16</u>		 ARCADIS <u> </u> 175722	
SAMPLE DESCRIPTION: <u>11</u>			
SAMPLING LOCATION: <u>Hallway</u>			
HOMOGENEOUS APPLICATION: <u>16</u>		 ARCADIS <u> </u> 175723	
SAMPLE DESCRIPTION: <u>11</u>			
SAMPLING LOCATION: <u>office</u>			
HOMOGENEOUS APPLICATION: <u>16</u>		 ARCADIS <u> </u> 175724	
SAMPLE DESCRIPTION: <u>11</u>			
SAMPLING LOCATION: <u>Hallway</u>			

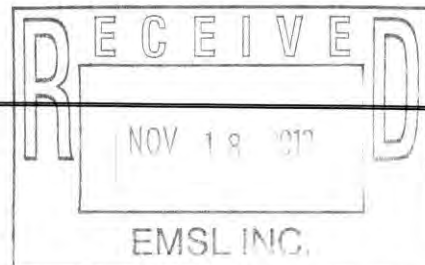


ARCADIS U. S., Inc. FIELD SAMPLING SHEET		
PROJECT TITLE:	PROJECT#:	DATE SAMPLED:
SAMPLING TECHNICIAN:		
HOMOGENEOUS APPLICATION: 16		ARCADIS 175725
SAMPLE DESCRIPTION: " "		
SAMPLING LOCATION: office		
HOMOGENEOUS APPLICATION: 17		ARCADIS 175726
SAMPLE DESCRIPTION: Wall Panel Adhesive		
SAMPLING LOCATION: office		
HOMOGENEOUS APPLICATION: 17		ARCADIS 175727
SAMPLE DESCRIPTION: " "		
SAMPLING LOCATION: Conference Room		
HOMOGENEOUS APPLICATION: 17		ARCADIS 175728
SAMPLE DESCRIPTION: " "		
SAMPLING LOCATION: office		
HOMOGENEOUS APPLICATION: 18		ARCADIS 175729
SAMPLE DESCRIPTION: Yellow Residual Floor Mastic		
SAMPLING LOCATION: Hallway		



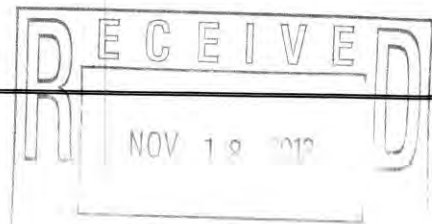
ARCADIS U. S., Inc.
FIELD SAMPLING SHEET

PROJECT TITLE:		PROJECT#:	DATE SAMPLED:
SAMPLING TECHNICIAN:			
HOMOGENEOUS APPLICATION: <u>18</u>		 ARCADIS <u> </u> 175730	
SAMPLE DESCRIPTION: <u>11</u> <u>11</u>			
SAMPLING LOCATION: <u>office</u>			
HOMOGENEOUS APPLICATION: <u>18</u>		 ARCADIS <u> </u> 175731	
SAMPLE DESCRIPTION: <u>11</u> <u>11</u>			
SAMPLING LOCATION:			
<u>Conference Room</u>			
HOMOGENEOUS APPLICATION: <u>19</u>		 ARCADIS <u> </u> 175732	
SAMPLE DESCRIPTION: <u>White Joint Compound</u>			
SAMPLING LOCATION:			
<u>Hallway</u>			
HOMOGENEOUS APPLICATION: <u>19</u>		 ARCADIS <u> </u> 175733	
SAMPLE DESCRIPTION: <u>11</u> <u>11</u>			
SAMPLING LOCATION:			
<u>office</u>			
HOMOGENEOUS APPLICATION: <u>19</u>		 ARCADIS <u> </u> 175734	
SAMPLE DESCRIPTION: <u>11</u> <u>11</u>			
SAMPLING LOCATION:			
<u>warehouse</u>			



ARCADIS U. S., Inc.
FIELD SAMPLING SHEET

PROJECT TITLE:		PROJECT#:	DATE SAMPLED:
SAMPLING TECHNICIAN:			
HOMOGENEOUS APPLICATION:		 ARCADIS _____ 175735	
SAMPLE DESCRIPTION: <i>19</i> <i>" "</i>			
SAMPLING LOCATION: <i>Warehouse</i>			
HOMOGENEOUS APPLICATION:		 ARCADIS _____ 175736	
SAMPLE DESCRIPTION: <i>19</i> <i>" "</i>			
SAMPLING LOCATION: <i>office</i>			
HOMOGENEOUS APPLICATION:		 ARCADIS _____ 175737	
SAMPLE DESCRIPTION: <i>20</i> <i>Concrete Wall Panel</i>			
SAMPLING LOCATION: <i>Mens</i>			
HOMOGENEOUS APPLICATION:		 ARCADIS _____ 175738	
SAMPLE DESCRIPTION: <i>20</i> <i>" "</i>			
SAMPLING LOCATION: <i>" "</i>			
HOMOGENEOUS APPLICATION:		 ARCADIS _____ 175739	
SAMPLE DESCRIPTION: <i>21</i> <i>Interior Window Caulking</i>			
SAMPLING LOCATION: <i>office</i>			



ARCADIS U. S., Inc.
FIELD SAMPLING SHEET
PROJECT TITLE:**PROJECT#:****DATE SAMPLED:****SAMPLING TECHNICIAN:****HOMOGENEOUS APPLICATION:****SAMPLE DESCRIPTION:**

11

11


 ARCADIS

175740

SAMPLING LOCATION:

11

11

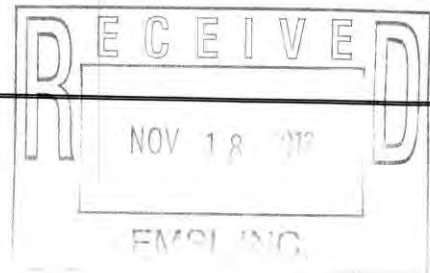
HOMOGENEOUS APPLICATION:**SAMPLE DESCRIPTION:**

11

11


 ARCADIS

175741

SAMPLING LOCATION:*Warehouse***HOMOGENEOUS APPLICATION:****SAMPLE DESCRIPTION:****SAMPLING LOCATION:****HOMOGENEOUS APPLICATION:****SAMPLE DESCRIPTION:****SAMPLING LOCATION:****HOMOGENEOUS APPLICATION:****SAMPLE DESCRIPTION:****SAMPLING LOCATION:**



Appendix D

Laboratory Report – Lead in Paint
Results

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

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

EMSL Order: 201312293
CustomerID: ACAD78J
CustomerPO: B0032305.0012
ProjectID:

Attn: **Greg Donovan**
ARCADIS U.S., Inc.
194 Forbes Road
Braintree, MA 02184

Phone: (781) 356-7300
Fax:
Received: 11/18/13 9:08 AM
Collected: 11/13/2013

Project: **B0032305.0012/ Bayer Hicksville; 125 New South Rd. Hicksville, NY**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B*/7000B)

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
175742 / PC-1	0001	11/13/2013	11/23/2013	<0.010 % wt
Site: Office Wall Desc: White Paint on Gypsum				
175743 / PC-2	0002	11/13/2013	11/23/2013	4.1 % wt
Site: Office I-Beam Desc: Red Paint on Metal				
175744 / PC-3	0003	11/13/2013	11/23/2013	0.046 % wt
Site: Hallway Wall Desc: Green Paint on Gypsum				
175745 / PC-4	0004	11/13/2013	11/23/2013	<0.010 % wt
Site: Warehouse Wall Desc: White Paint on Concrete				
175746 / PC-5	0005	11/13/2013	11/23/2013	0.020 % wt
Site: Exterior Wall Desc: Beige Paint on Concrete				

Julie Smith - Laboratory Director
NJ-NELAP Accredited:03036
or other approved signatory

Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. The QC data associated with these results included in this report meet the method QC requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. * slight modifications to methods applied. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 11/23/2013 16:40:03



Infrastructure, environment, buildings

ARCADIS PROJECT NO.: 80032305.0012

PROJECT NAME: Bayer Hicksville

201312293

CHAIN-OF-CUSTODY FORM

PAGE 1 OF ____

Mail Results To:			Mail Invoice To:			
Name: <u>Greg Donovan</u>			Name: <u>Accounts Payable</u>			
Company: <u>ARCADIS U.S Inc. (ARCADIS)</u>			Company: <u>ARCADIS U.S. Inc. (ARCADIS)</u>			
Street: <u>194 Forbes Road</u>			Street: <u>630 Plaza Drive, Suite 100</u>			
City, State Zip: <u>Braintree, MA 02184</u>			City, State Zip: <u>Highlands Ranch, CO 80129</u>			
Phone #: <u>(781) 356-7300</u>			Phone #: _____			
Fax #: <u>(781) 356-2211</u>			Fax #: _____			
Email PDF Reports to: <u>Kevin.hardy@arcadis-us.com</u> <u>greg.donovan@arcadis-us.com</u>			Email EDD Reports to: <u>None</u>			
Site Address: <u>125 New South Rd</u> <u>Hicksville NY</u>			Sample Number Sequence:			
Samples Collected By: <u>KAH</u>			Analysis Turnaround Time: <u>5-day</u>			
Date(s) Collected: <u>11-13-13</u>			Date Faxed Results Required: _____			
Sample Type: <u>Paint Chip</u>			Date Typed Results Required: _____			
☒ Analyze All Samples ☐ Positive Stop						
Printed Name	Signature	Affiliation	Date	Samples	Task for the Lab	
Remitted	<u>Kevin Hardy</u>	<u>Kevin A Hardy</u>	<u>ARCADIS</u>	<u>11-13-13</u>	<u>KAH</u> 5 <u>5</u>	<u>Fed Ex</u>
Received	<u>Inv...</u>	<u>Inv...</u>	<u>Bru</u>	<u>11-18-13</u>	<u>5</u>	
Remitted						
Received						
Remitted						
Comments: Please call the ARCADIS employee named above in the "Mail Result To:" line if the laboratory has <u>ANY</u> questions about the samples, sample analysis, or chain-of-custody.						
<u>Lead in Paint</u> <u>Interior + Exterior</u>						

N:\HVAAsbestos COCs\Bulk\Asbestos COC Cover Page_BraintreeMA.doc

201312293

ARCADIS U. S., Inc.
FIELD SAMPLING SHEET

PROJECT TITLE:		PROJECT#:	DATE SAMPLED:
SAMPLING TECHNICIAN:			
HOMOGENEOUS APPLICATION: <u>PC-1</u>		 ARCADIS <u> </u> 175742	
SAMPLE DESCRIPTION: <u>White Paint on Gypsum</u>			
SAMPLING LOCATION: <u>office Wall</u>			
HOMOGENEOUS APPLICATION: <u>PC-2</u>		 ARCADIS <u> </u> 175743	
SAMPLE DESCRIPTION: <u>Red Paint on Metal</u>			
SAMPLING LOCATION: <u>office I-Beam</u>			
HOMOGENEOUS APPLICATION: <u>PC-3</u>		 ARCADIS <u> </u> 175744	
SAMPLE DESCRIPTION: <u>Green Paint on Gypsum</u>			
SAMPLING LOCATION: <u>Hallway Wall</u>			
HOMOGENEOUS APPLICATION: <u>PC-4</u>		 ARCADIS <u> </u> 175745	
SAMPLE DESCRIPTION: <u>White Paint on Concrete</u>			
SAMPLING LOCATION: <u>Warehouse Wall</u>			
HOMOGENEOUS APPLICATION: <u>PC-5</u>		 ARCADIS <u> </u> 175746	
SAMPLE DESCRIPTION: <u>Beige Paint on Concrete</u>			
SAMPLING LOCATION: <u>Exterior Wall</u>			

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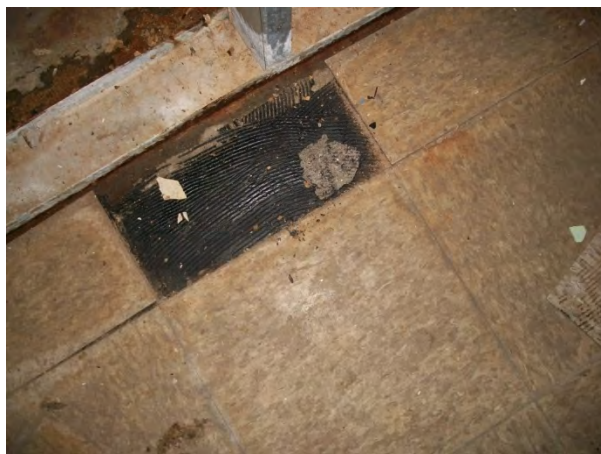
Appendix E

Photograph Log

Photograph Log



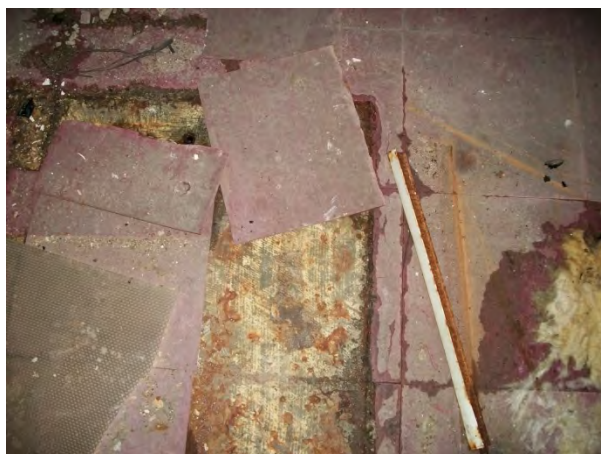
View of the Front of the Building



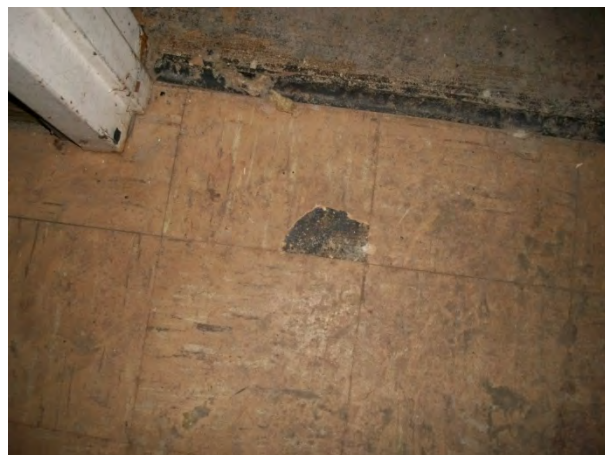
HA-1: 12" x 12" Beige with Brown Specks Floor Tile; HA-2: Black Mastic associated with HA-1



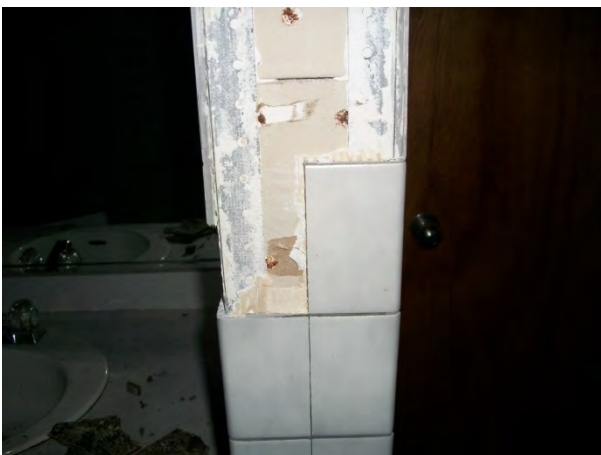
HA-3: 12" x 12" White with Black Specks Floor Tile; HA-4: Black Mastic associated with HA-3



HA-5: 12" x 12" Purple Mottled Floor Tile; HA-6: Yellow Mastic associated with HA-5



HA-7: 9" x 9" Beige with Brown Streaks Floor Tile; HA-8: Black Mastic associated with HA-7



HA-9: Grout associated with 4" Gray Ceramic Wall Tile; HA-10: Adhesive associated with 4" Gray Ceramic Wall Tile

Photograph Log



HA-11: Grout associated with 6" Gray Ceramic Floor Tile; HA-12: Gray and Black Adhesive associated with 6" Ceramic Floor Tile



HA-13: Black Mirror Mastic



HA-14: Black Residual Floor Mastic



HA-15: Gypsum Board



HA-16: Yellow Joint Compound associated with HA-15



HA-17: Adhesive associated with Wood Wall Panels

Photograph Log



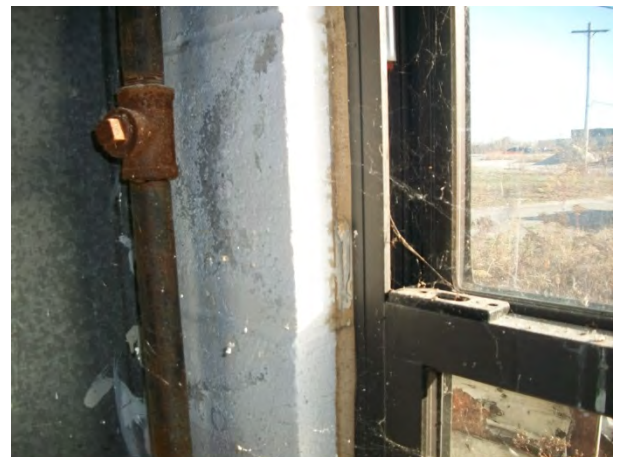
HA-18: Yellow Residual Floor Mastic



HA-19: White Joint Compound associated with
HA-15



HA-20: Concrete Wall Panel



HA-21: Yellow Interior Window Caulking



HA-22: Gray Exterior Window Caulking



HA-23: Black Expansion Joint Caulking

Photograph Log



HA-24: White Expansion Joint Caulking



HA-25: White Exterior Door Caulking



**HA-26: Silver Coated Rolled Asphalt Roofing;
HA-27: Built-Up Roofing associated with Main
Roof Field**



**HA-28: Flashing Cement associated with
Perimeter and Penetrations**



**HA-29: Built-Up Roofing associated with
Perimeter and Penetrations**



**HA-30: Rolled Asphalt Shingle associated with
South East Storage Roof**

Photograph Log



HA-31: Suspect Flashing Cement associated with South East Storage Roof



HA-32: Built-Up Roofing associated with North Entry Roof



HA-33: Flashing Cement associated with North Entry Roof