

ASBESTOS SURVEY REPORT

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION ENVIRONMENTAL REVIEW CDBG-DR PROGRAM

Applicant ID SBL39430
70-86 HOBART AVE
BAYONNE, NJ 07002

Applicant / Property Owner:

DC PLASTIC PRODUCTS LLC

Subject Property Address:

70-86 HOBART AVE
BAYONNE, NJ 07002

Assessment Firm:

URS CORPORATION (NEW JERSEY)
1255 BROAD STREET
SUITE 201
CLIFTON, NJ 07013
(973) 883-8500 PHONE

Prepared For:

NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL
PROTECTION
ENVIRONMENTAL REVIEW CDBG-DR
PROGRAM
101 SOUTH BROAD STREET
TRENTON, NJ 08625

Inspector: BRIAN RODRIGUEZ
Certification: NJ 42087

Prepared by Inspector: MICHAEL COLLINS/BRIAN RODRIGUEZ 11/06/14

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Introduction

URS Corporation a CDBG-DR Contractor was tasked with performing asbestos survey. The primary purposes of this asbestos survey was to (1) identify potential asbestos hazards and areas of deteriorated asbestos on presumed asbestos containing building components and (2) identify building components containing asbestos to control hazards from asbestos-containing materials and/or presumed asbestos-containing materials during the repair/reconstruction phase of the Program.

Applicable Laws, Regulations, Guidance and Other References

- United States Environmental Protection Agency (USEPA)
 - AHERA (40 CFR Part 763.83 Subpart E)
 - NESHAPS (40 CFR Part 61 Subpart M)

- New Jersey Department of Environmental Protection (NJDEP)
 - Generator Requirements for disposal of asbestos containing waste (N.J.A.C. 7:26-2, N.J.A.C. 7:26-3)

- New Jersey Department of Labor (NJDOL)
 - N.J.S.A. 34:11
 - N.J.A.C. 12:60
 - N.J.A.C. 12:120

- New Jersey Department of Health (NJDOH)
 - Asbestos Training and Certification Activities (N.J.A.C. 8:60)

- Occupational Safety and Health Administration (OSHA)
 - 29 CFR 1910.1001
 - 29 CFR 1915.1001

Applicable portions of these documents were utilized to determine the Scope of Work performed during this asbestos survey. The survey focused on readily accessible materials classified by the inspector to be presumed asbestos-containing materials. The survey used limited destructive means and was not intended to detect latent, hidden, concealed or obstructed presumed asbestos-containing materials.

General Background Information or Definitions

Material Classification

There are three main kinds of material according to EPA sampling guidelines. They are surfacing material, thermal systems insulation, and miscellaneous material. The classification bears implications for number of samples to be collected. For surfacing materials, there is the 3-5-7 rule, meaning 3 samples collected from less than 1,000 square feet area, 5 samples from 1,000 to 5,000 square feet area, and 7 samples from greater than 5,000 square feet area. For TSI, with some exceptions, 3 samples should be collected from each homogeneous area. For miscellaneous material, at least one sample should be taken from each homogeneous material.

Recognition of Homogeneous Areas

Homogeneous material means an area of surfacing material, TSI or miscellaneous material that is uniform in color and texture. It should be pointed out that materials which appear to be homogeneous and adjacent to each other may in fact have different contents in terms of asbestos and only laboratory testing will indicate whether they are really the same homogeneous area.

Differentiation of Friable vs. Non-Friable

A material that contains asbestos is friable if the material, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure, and includes previously non-friable material after such previous non-friable material becomes damaged to the extent that it meets the criteria as a friable material. The following inspection procedure is based on AHERA sampling protocol found under 40 CFR 763.86 "Sampling".

The following table itemizes typical suspect materials that may be present:

Acoustical Plaster Electrical Panel Partitions
Adhesives Fireproofing Materials
Asphalt Floor Tile Flooring Backing
Base Flashing Heating and Electrical Ducts
Blown-in Insulation HVAC Duct Insulation
Boiler Insulation Joint Compounds
Breaching Insulation Packing Materials (for wall/floor penetrations)
Caulking/Putties Pipe Insulation
Ceiling Tiles and Lay-in Panels Spackling Compounds
Cement Pipes Spray-Applied Insulation
Cement Siding Taping Compounds (thermal)
Cement Wallboard Textured Paints/Coatings
Chalkboards Thermal Paper Products
Construction Mastics (floor tile, carpet, ceiling tile, etc.) Vapor Barriers in wall cavities
Decorative Plaster Vinyl Floor Tile and Mastic
Door Caulking Vinyl Sheet Flooring
Ductwork Flexible Fabric Connections Vinyl Wall Coverings
Electric Wiring Insulation Wallboard
Electrical Cloth Window Glazing and caulking (Interior and/or Exterior)

*- This list is not intended to be comprehensive and any suspect material identified not on this list shall be either assumed as ACM or sampled accordingly.

Asbestos Content Determination

An asbestos content determination was performed, as necessary, by utilizing Polarized Light Microscopy (PLM), and Transmission Electron Microscopy (TEM). Analytical procedures were in accordance with EPA, State and local regulations and recommendations, and applicable requirements of the instrument's specifications. Asbestos analysis used, as applicable, the following methods:

- i. Bulk Material by PLM- EPA 600/R-93/116
- ii. Bulk Material by PLM NOB
- iii. TEM- EPA NOB- 600/R-93/116

“Positive Stop” - The laboratory stopped analyzing homogeneous area bulk samples for asbestos content once ACM is identified greater than or equal to 10% by PLM or greater than or equal to 1% by Point Count Method.

Conclusions

Table 1 presents the inclusive list of readily accessible Presumed Asbestos Containing Building Materials (PACM). This Table is a property overview of potential, possible or “presumed” asbestos containing building materials found at the property.

Table 2 presents the inclusive list of PACM that was sampled to determine its actual asbestos content. In some cases the material originally listed as PACM was determined by laboratory analysis to be non-asbestos containing and it is not regulated as an Asbestos-containing Building Material (ACBM). In this situation the property owner will not have any special asbestos controls or handling requirements. In other situations the laboratory analysis confirms the materials to be asbestos containing and it is confirmed as an Asbestos-containing Building Material (ACBM).

Five samples tested positive for asbestos. Ten samples were in the same homogenous area as the five that tested positive, but were not tested and assumed to be asbestos containing due to positive stop. Among the samples that tested positive were the corrugated siding, window caulk, door caulk and the skim coating on the concrete.

Table 3 presents the inclusive list of PACM and ACBM detected at the Property. This list of materials will be managed during the reconstruction and/or renovation phase as an ACBM. These materials, if disturbed during the reconstruction and/or renovation phase will require special handling and waste disposal. The property owner will engage the services of a New Jersey licensed firm that specializes in ACBM removal prior to the renovation occurring.

The roof was deemed unsafe to walk on and samples were therefore limited to roofing materials (such as vapor barriers and roofing guards) that were found in the immediate area surrounding the building. All roofing tile and other roofing material not sampled should be treated as PACM, and therefore the property owner will engage the services of a New Jersey licensed firm that specializes in ACBM removal prior to the renovation of any section of the roof.

The total area of the roofs is about 100,000 square feet. However, only 2,500 square feet of roof 5 and 3,640 square feet of roof 6 will need to be replaced, which is a total of 6140 square feet. The north side of the building and the side of the building along the railroad tracks have asbestos containing corrugated siding. The side on the railroad tracks contains approximately

13,200 square feet of siding while the north side of the building contains approximately 7805 square feet of siding. This means 21,050 square feet of asbestos containing siding may need to be replaced. The building also contains about 140 large windows with 72 linear feet of asbestos containing window caulk in each. Some of these windows will need to be replaced. This would be approximately 10,080 linear feet of caulk for all windows. There are also about 6 doors on the building with asbestos containing caulk. Each contains approximately 36 linear feet of caulk, and this should be considered if any of them are to be replaced. This would be a total of about 216 linear feet of caulk.

Table 4 presents the inclusive list of Sample locations of all samples collected and at the Property.

**Table 1: Suspected Asbestos-Containing Building Materials
(Determined by Visual Assessment Sorted by Homogenous Area and Material Description)**

Job Site Name: DC PLASTIC PRODUCTS LLC			Applicant ID: SBL39430		Total Samples: 51	
Homogenous Area*	Component	Substrate	Color	Sampled	Number of Samples	Asbestos
All suspected asbestos-containing materials were sampled or assumed to contain asbestos						

* Homogeneous Area (HA) - means an area of surfacing material, thermal system insulation material, or miscellaneous material that is uniform in color and texture. For the purpose of this Project, the term Homogeneous Area has been expended to Flooring and Wall to better refine the locations of Presumed and/or Asbestos-containing Materials.

**Table 2: Asbestos-Containing Building Materials
(Confirmed by Sample Analysis – Sorted by Homogenous Area and Material Description)**

Job Site Name: DC PLASTIC PRODUCTS LLC						Applicant ID: SBL39430	
SAMPLE ID #	LOCATION	Homogenous Area*	Component	Substrate	Color	Asbestos	Method**
102914-01	NE Wall	HA-Miscellaneous	Siding	Corrugated Siding	Gray	20% Chrysotile	PLM
102914-02	NE Wall	HA-Miscellaneous	Siding	Corrugated Siding	Gray	Positive Stop	n/a
102914-03	NE Wall	HA-Miscellaneous	Siding	Corrugated Siding	Gray	Positive Stop	n/a
102914-04	NE Wall	HA-Miscellaneous	Siding	Corrugated Siding	Gray	Positive Stop	n/a
102914-05	NE Wall	HA-Miscellaneous	Siding	Corrugated Siding	Gray	Positive Stop	n/a
102914-15	SE Wall	HA-Miscellaneous	Window	Window Caulk	Gray	2.6% Chrysotile	PLM
102914-16	SE Wall	HA-Miscellaneous	Window	Window Caulk	Gray	Positive Stop	n/a
102914-17	SE Wall	HA-Miscellaneous	Door	Door Caulk	Gray	4.7% Chrysotile	PLM
102914-18	SE Wall	HA-Miscellaneous	Door	Door Caulk	Gray	Positive Stop	n/a
102914-19	SE Wall	HA-Miscellaneous	Door	Door Caulk	Gray	Positive Stop	n/a
102914-21	SE Wall	HA-Miscellaneous	Door	Door Caulk	Gray	Positive Stop	n/a
102914-22	SE Wall	HA-Miscellaneous	Wall	Concrete Skim Coat	Gray	2% Chrysotile	PLM
102914-44	NW Wall	HA-Miscellaneous	Window	Window Caulk	Gray/Red	1.2% Anthophyllite	PLM/TEM
102914-45	NW Wall	HA-Miscellaneous	Window	Window Caulk	Gray/Red	Positive Stop	n/a
102914-46	NW Wall	HA-Miscellaneous	Window	Window Caulk	Gray/Red	Positive Stop	n/a

* Homogeneous Area (HA) - means an area of surfacing material, thermal system insulation material, or miscellaneous material that is uniform in color and texture. For the purpose of this Project, the term Homogeneous Area has been expended to Flooring and Wall to better refine the locations of Presumed and/or Asbestos-containing Materials.

** PLM = Polarized Light Microscopy; APC = EPA Point Count; TEM = Transmission Electron Microscope

Table 3: Presumed Asbestos-Containing Building Materials ** and/or Asbestos-Containing Building Materials (Sorted by Functional Space (Area), Homogenous Area and Material Description)

Job Site Name: DC PLASTIC PRODUCTS LLC				Applicant ID: SBL39430			
Functional Space or Area	Homogenous Area*	Component	Substrate	Color	Amount	UOM	Sampled
Roof	HA-Miscellaneous	Roof	Roofing Material (planned for removal)	Black	6140	Sq. ft.	No
Siding	HA-Miscellaneous	Siding	Corrugated Siding	Gray	21,050	Sq. ft.	Yes
Window Caulk	HA-Miscellaneous	Window	Caulk (140 windows planned for removal)	Gray	10,080	Linear ft.	Yes
Door Caulk	HA-Miscellaneous	Door	Caulk (6 doors planned for removal)	Gray	216	Linear ft.	Yes

* Homogeneous Area (HA) - means an area of surfacing material, thermal system insulation material, or miscellaneous material that is uniform in color and texture. For the purpose of this Project, the term Homogeneous Area has been expended to Flooring and Wall to better refine the locations of Presumed and/or Asbestos-containing Materials.

** These locations were not confirmed by sample analysis.

Table 4: Sampled Locations

Job Site Name: DC PLASTIC PRODUCTS LLC						Applicant ID: SBL39430	
SAMPLE ID #	LOCATION	Homogenous Area*	Component	Substrate	Color	Asbestos	Method**
102914-01	NE Wall	HA-Miscellaneous	Siding	Corrugated Siding	Gray	20% Chrysotile	PLM
102914-02	NE Wall	HA-Miscellaneous	Siding	Corrugated Siding	Gray	Positive Stop	n/a
102914-03	NE Wall	HA-Miscellaneous	Siding	Corrugated Siding	Gray	Positive Stop	n/a
102914-04	NE Wall	HA-Miscellaneous	Siding	Corrugated Siding	Gray	Positive Stop	n/a
102914-05	NE Wall	HA-Miscellaneous	Siding	Corrugated Siding	Gray	Positive Stop	n/a
102914-06	Ground near NE Wall	HA-Miscellaneous	Roof	Roofing Material	Black	None Detected	PLM/TEM
102914-07	Ground near NE Wall	HA-Miscellaneous	Roof	Roofing Material	Black	None Detected	PLM/TEM
102914-08	Ground near NE Wall	HA-Miscellaneous	Roof	Roofing Material	Black	None Detected	PLM/TEM
102914-09	Ground near NE Wall	HA-Miscellaneous	Roof	Roofing Material	Black	None Detected	PLM/TEM
102914-10	Ground near SE Wall	HA-Miscellaneous	Roof	Roofing Material	Black	None Detected	PLM/TEM
102914-11	SE Wall	HA-Miscellaneous	Siding	Green Corrugated Siding	Green	None Detected	PLM
102914-12	SE Wall	HA-Miscellaneous	Siding	Green Corrugated Siding	Green	None Detected	PLM
102914-13	SE Wall	HA-Miscellaneous	Siding	Green Corrugated Siding	Green	None Detected	PLM
102914-14	SE Wall	HA-Miscellaneous	Siding	Green Corrugated Siding	Green	None Detected	PLM
102914-15	SE Wall	HA-Miscellaneous	Window	Window Caulk	Gray	2.6% Chrysotile	PLM
102914-16	SE Wall	HA-Miscellaneous	Window	Window Caulk	Gray	Positive Stop	n/a
102914-17	SE Wall	HA-Miscellaneous	Door	Door Caulk	Gray	4.7% Chrysotile	PLM

102914-18	SE Wall	HA-Miscellaneous	Door	Door Caulk	Gray	Positive Stop	n/a
102914-19	SE Wall	HA-Miscellaneous	Door	Door Caulk	Gray	Positive Stop	n/a
102914-20	SE Wall	HA-Miscellaneous	Siding	Green Corrugated Siding	Green	None Detected	PLM
102914-21	SE Wall	HA-Miscellaneous	Door	Door Caulk	Gray	Positive Stop	n/a
102914-22	SE Wall	HA-Miscellaneous	Wall	Concrete Skim Coat	Gray	2% Chrysotile	PLM
102914-22	SW Wall	HA-Miscellaneous	Wall	Concrete	Gray	None Detected	PLM
102914-23	SW Wall	HA-Miscellaneous	Wall	Concrete	Gray	None Detected	PLM
102914-24	SW Wall	HA-TSI	Piping	Piping TSI	Tan	None Detected	PLM
102914-25	SW Wall	HA-TSI	Piping	Piping TSI	Tan	None Detected	PLM
102914-26	SW Wall	HA-Miscellaneous	Piping	TSI Guard	Black	None Detected	PLM/TEM
102914-27	SW Wall	HA-TSI	Piping	Piping TSI	Tan	None Detected	PLM
102914-28	SW Wall	HA-Miscellaneous	Piping	TSI Guard	Black	None Detected	PLM/TEM
102914-29	Containment Wall	HA-Miscellaneous	Piping	TSI Guard	Black	None Detected	PLM/TEM
102914-30	Containment Wall	HA-Miscellaneous	Wall	Concrete	Gray	None Detected	PLM
102914-31	Containment Wall	HA-Miscellaneous	Wall	Concrete	Gray	None Detected	PLM
102914-32	Ground Near SW Wall	HA-Miscellaneous	Roof	Roofing Material	Black	None Detected	PLM/TEM
102914-33	Ground Near SW Wall	HA-Miscellaneous	Roof	Roofing Material	Black	None Detected	PLM/TEM
102914-34	NW Wall	HA-Miscellaneous	Window	Green Window Cover	Green	None Detected	PLM
102914-35	NW Wall	HA-Miscellaneous	Window	Green Window Cover	Green	None Detected	PLM

102914-36	NW Wall	HA-Miscellaneous	Window	Green Window Cover	Green	None Detected	PLM
102914-37	NW Wall	HA-Miscellaneous	Window	Green Window Cover	Green	None Detected	PLM
102914-38	Ground Near NE Wall	HA-Miscellaneous	Roof	Roofing Material	Black	None Detected	PLM/TEM
102914-40	Ground Near NE Wall	HA-Miscellaneous	Roof	Roofing Material	Black	None Detected	PLM/TEM
102914-41	NW Wall	HA-Miscellaneous	Siding	Green Siding	Green	None Detected	PLM
102914-42	NW Wall	HA-Miscellaneous	Siding	Green Siding	Green	None Detected	PLM
102914-43	NW Wall	HA-Miscellaneous	Siding	Green Siding	Green	None Detected	PLM
102914-44	NW Wall	HA-Miscellaneous	Window	Window Caulk	Gray/Red	1.2% Anthophyllite	PLM/TEM
102914-45	NW Wall	HA-Miscellaneous	Window	Window Caulk	Gray/Red	Positive Stop	n/a
102914-46	NW Wall	HA-Miscellaneous	Window	Window Caulk	Gray/Red	Positive Stop	n/a
102914-48	NE Corner Interior	HA-TSI	Piping	Foam TSI	Black	None Detected	PLM
102914-49	NE Corner Interior	HA-TSI	Piping	Foam TSI	Black	None Detected	PLM
102914-50	SE Interior Piping	HA-TSI	Piping	White TSI	White	None Detected	PLM
102914-51	SE Interior Piping	HA-TSI	Piping	White TSI	White	None Detected	PLM
102914-52	SE Interior Piping	HA-TSI	Piping	White TSI	White	None Detected	PLM
102914-32	Containment Wall	HA-Miscellaneous	Wall	Concrete Wall	Gray	None Detected	PLM

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** PLM = Polarized Light Microscopy; APC = EPA Point Count; TEM = Transmission Electron Microscope

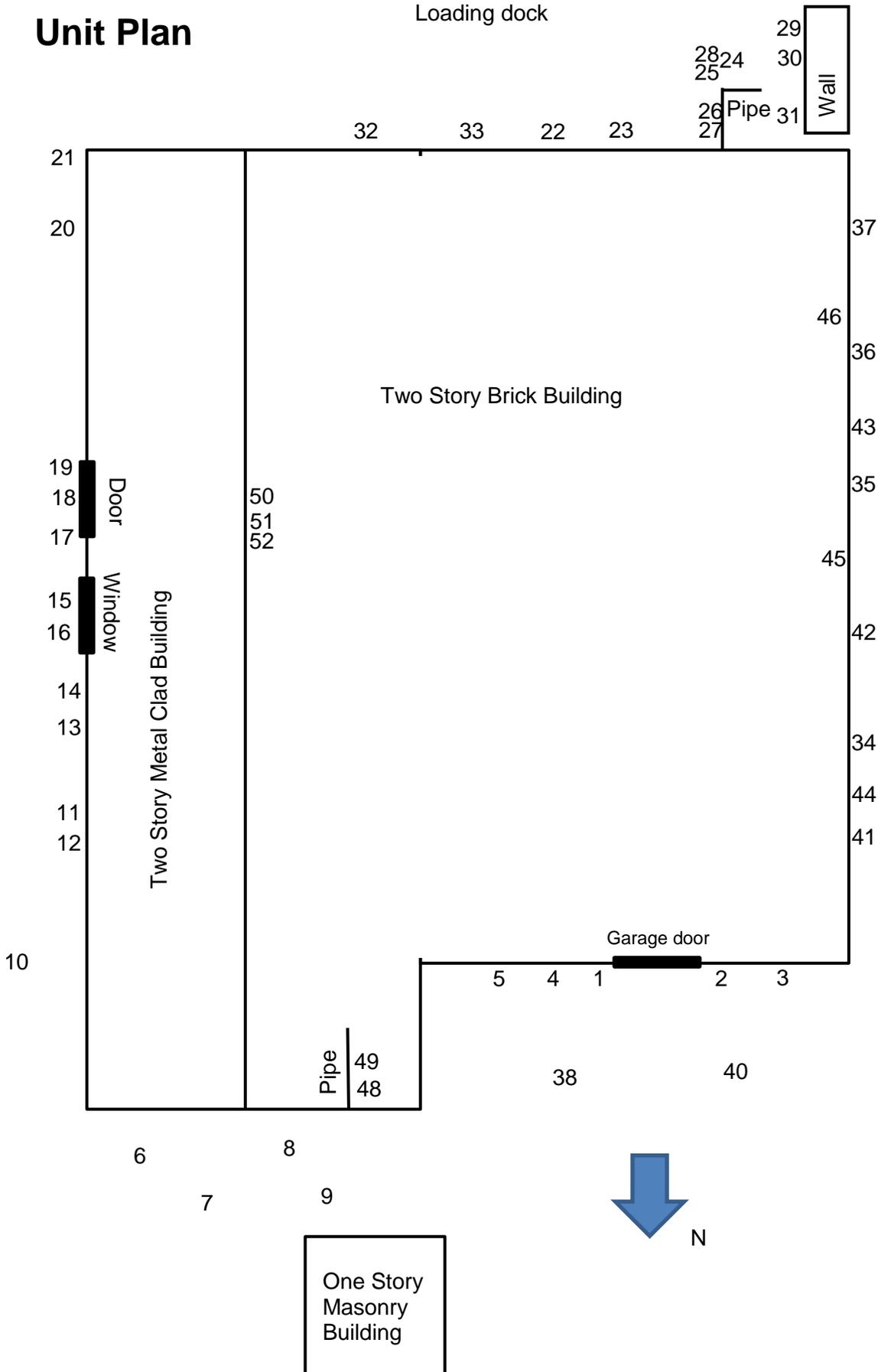
Applicant ID: SBL39430: DC PLASTIC PRODUCTS LLC – 70-86 HOBART AVE BAYONNE, NJ 07002

Unit Plan

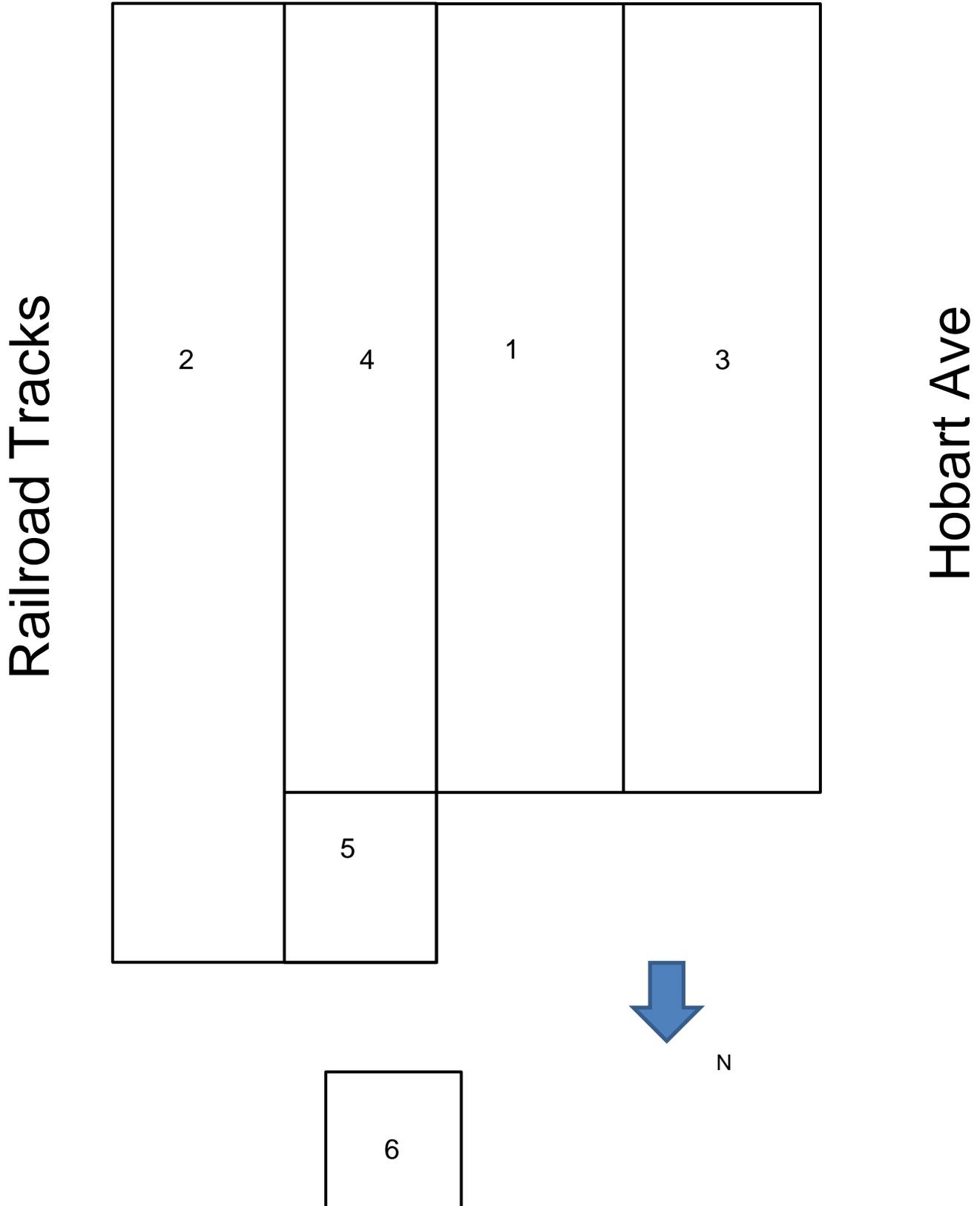
Loading dock

Railroad Tracks

Hobart Ave



Roofing Plan



Field Log Notes / Special Conditions

Area	Notes
Facility	During post inspection review, It was discovered that the compass used in the field was inaccurate. In reference to the homogenous areas and sampling locations, the following should be noted in order to properly locate the ACM on the property: NE should be N SE should be E SW should be S NW should be W

Assumptions and Limitations

The scope of work conducted included a limited survey for asbestos-containing materials the property in selected areas.

It is known that Asbestos Containing Materials (ACMs) are frequently concealed within the fabric of buildings and within sealed voids. It remains a possibility that ACMs may be found in such areas of buildings during refurbishment or demolition activities. Our conclusions and recommendations are based on the conditions that existed within the areas surveyed at the time the investigation was conducted. Every reasonable effort was made by the inspection team to access the suspect materials observed without jeopardizing the health and safety of the team.

Certifications

ASBESTOS INSPECTOR SUMMARY

Assessor Name (Last, First)	Training State	Certification Number	Certification Expiration Date
Rodriguez, Brian	NJ	42087	07/01/2015



Laboratory Documentation



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

041432316

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Company: <u>URS</u>		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: <u>1255 Broad St</u>		Third Party Billing requires written authorization from third party	
City: <u>Cifton</u>	State/Province: <u>NJ</u>	Zip/Postal Code: <u>07013</u>	Country: <u>USA</u>
Report To (Name): <u>Bharti Ujjani</u>		Telephone #: <u>973 883 8500</u>	
Email Address: <u>bharti.ujjani@urs.com</u>		Fax #: <u>973 883 8501</u>	Purchase Order:
Project Name/Number: <u>OCA Plastics</u>		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
U.S. State Samples Taken: <u>NJ</u>		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

Turnaround Time (TAT) Options* - Please Check

3 Hour 6 Hour 24 Hour 48 Hour 72 Hour 96 Hour 1 Week 2 Week

*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

PLM - Bulk (reporting limit)		TEM - Bulk	
<input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%)	<input checked="" type="checkbox"/> TEM EPA NOB - EPA 600/R-93/116 Section 2.5.5.1	<input type="checkbox"/> NY ELAP Method 198.4 (TEM)	
<input checked="" type="checkbox"/> PLM EPA NOB (<1%)	<input type="checkbox"/> Chatfield Protocol (semi-quantitative)	<input type="checkbox"/> TEM % by Mass - EPA 600/R-93/116 Section 2.5.5.2	
Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)	<input type="checkbox"/> TEM Qualitative via Filtration Prep Technique	<input type="checkbox"/> TEM Qualitative via Drop Mount Prep Technique	
Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)	Other		
<input type="checkbox"/> NIOSH 9002 (<1%)	<input type="checkbox"/>		
<input type="checkbox"/> NY ELAP Method 198.1 (friable in NY)			
<input type="checkbox"/> NY ELAP Method 198.6 NOB (non-friable-NY)			
<input type="checkbox"/> OSHA ID-191 Modified			
<input type="checkbox"/> Standard Addition Method			

Check For Positive Stop - Clearly Identify Homogenous Group Date Sampled: 10/29/14

Samplers Name: _____ Samplers Signature: _____

Sample #	HA #	Sample Location	Material Description
102914-01	1	NE Wall	corrugated siding
102914-02	1	NE Wall	corrugated siding
102914-03	1	NE Wall	corrugated siding
102914-04	1	NE Wall	corrugated siding
" - 05	1	NE Wall	corrugated siding
" - 06	2	ground near NE Wall	roofing material
" - 07	2	ground near NE Wall	roofing material
" - 08	2	ground near NE Wall	roofing material
" - 09	2	ground near NE Wall	roofing material
" - 10	2	Uground near SE Wall	roofing material

Client Sample # (s): _____ Total # of Samples: 51

Relinquished (Client): [Signature] Date: 10/29/14 Time: 5:57

Received (Lab): RF FX Date: 10/30/14 Time: 9:20

Comments/Special Instructions:

sample #47 not received

AKK
10/20/14
1030

51 AK



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

041432316

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	HA #	Sample Location	Material Description
"-11	3	SE Wall	green siding
"-12	3	SE Wall	green siding
"-13	3	SE Wall	green siding
"-14	3	SE Wall	green siding
"-15	4	SE Wall	window caulk
"-16	4	SE Wall	window caulk
"-17	5	SE Wall	door caulk
"-18	5	SE Wall	door caulk
"-19	5	SE Wall	door caulk
"-20	3	SE Wall	green siding
"-21	5	SE Wall	door caulk
"-22	6	SW Wall	concrete
"-23	6	SW Wall	concrete
"-24	7	SW wall piping	tsi
"-25	7	SW wall piping	tsi
"-26	8	SW wall piping SW wall piping	black tsi guard
"-28	8	SW wall piping	black tsi guard
"-29	6	containment wall	concrete
"-30	6	containment wall	concrete
"-31	6	containment wall	concrete
"-32	2	ground near SW wall	roofing material
"-33	2	ground near SW wall	roofing material
"-34	9	NW Wall	green window caulk
"-35	9	NW Wall	green window cover

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 CINNAMINSON, NJ
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*Comments/Special Instructions:



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRADING

**Asbestos Bulk Building Material
Chain of Custody**

EMSL Order Number (Lab Use Only):

041432316

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	HA #	Sample Location	Material Description
"-36	9	NW wall	green window cover
"-37	9	NW Wall	green window cover
"-38	2	ground near NE wall	roofing material
"-39	2	ground near NE wall	roofing material
"-40	2	ground near NE wall	roofing material
"-41	3	NW wall	green siding
"-42	3	NW wall	green siding
"-43	3	NW wall	green siding
"-44	4	NW wall	window caulk
"-45	4	NW wall	window caulk
"-46	4	NW wall	window caulk
NS "-47	10	NE corner interior piping	black foam tsi
"-48	10	NE corner interior piping	black foam tsi
"-49	10	NE corner interior piping	black foam tsi
"-50	11	SE interior piping	white tsi
"-51	11	SE interior piping	white tsi
"-52	11	SE interior piping	white tsi
"-27	7	SW wall piping	tsi
*Comments/Special Instructions:			

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EMSL
CINNAMINSON, NJ
14 OCT 30 AM 11:57



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 ID: 041432316
 Customer ID: DAME50
 Customer PO:
 Project ID:

Attn: Bharti Ujjani
 URS Corporation
 1255 Broad Street
 Clifton, NJ 07013

Phone: (973) 785-0700
Fax: (973) 785-0023
Collected: 10/29/2014
Received: 10/30/2014
Analyzed: 11/06/2014

Proj: OCA Plastics

Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

Client Sample ID: 102914-01 **Lab Sample ID:** 041432316-0001

Sample Description: NE wall/Corrugated siding

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/03/2014	Gray	0%	80%	20% Chrysotile	

Client Sample ID: 102914-02 **Lab Sample ID:** 041432316-0002

Sample Description: NE wall/Corrugated siding

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/03/2014					Stop Positive (Not Analyzed)

Client Sample ID: 102914-03 **Lab Sample ID:** 041432316-0003

Sample Description: NE wall/Corrugated siding

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/03/2014					Stop Positive (Not Analyzed)

Client Sample ID: 102914-04 **Lab Sample ID:** 041432316-0004

Sample Description: NE wall/Corrugated siding

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/03/2014					Stop Positive (Not Analyzed)

Client Sample ID: 102914-05 **Lab Sample ID:** 041432316-0005

Sample Description: NE wall/Corrugated siding

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/03/2014					Stop Positive (Not Analyzed)

Client Sample ID: 102914-06 **Lab Sample ID:** 041432316-0006

Sample Description: Ground near NE wall/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	11/03/2014	Black	15.6%	84.4%	None Detected	
TEM Grav. Reduction	11/05/2014	Black	0.0%	100%	None Detected	

Client Sample ID: 102914-07 **Lab Sample ID:** 041432316-0007

Sample Description: Ground near NE wall/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	11/03/2014	Black	18.8%	81.2%	None Detected	
TEM Grav. Reduction	11/05/2014	Black	0.0%	100%	None Detected	



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EMSL Order ID: 041432316
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Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

Client Sample ID: 102914-08 **Lab Sample ID:** 041432316-0008
Sample Description: Ground near NE wall/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	11/03/2014	Black	22.2%	77.8%	None Detected	
TEM Grav. Reduction	11/05/2014	Black	0.0%	100%	None Detected	

Client Sample ID: 102914-09 **Lab Sample ID:** 041432316-0009
Sample Description: Ground near NE wall/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	11/03/2014	Black	17.7%	82.3%	None Detected	
TEM Grav. Reduction	11/05/2014	Black	0.0%	100%	None Detected	

Client Sample ID: 102914-10 **Lab Sample ID:** 041432316-0010
Sample Description: Ground near SE wall/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	11/04/2014	Black	16.7%	83.3%	None Detected	
TEM Grav. Reduction	11/05/2014	Black	0.0%	100%	None Detected	

Client Sample ID: 102914-11 **Lab Sample ID:** 041432316-0011
Sample Description: SE wall/Green siding

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/03/2014	Green	45%	55%	None Detected	

Client Sample ID: 102914-12 **Lab Sample ID:** 041432316-0012
Sample Description: SE wall/Green siding

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/03/2014	Green	45%	55%	None Detected	

Client Sample ID: 102914-13 **Lab Sample ID:** 041432316-0013
Sample Description: SE wall/Green siding

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/03/2014	Green	45%	55%	None Detected	

Client Sample ID: 102914-14 **Lab Sample ID:** 041432316-0014
Sample Description: SE wall/Green siding

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/03/2014	Green	35%	65%	None Detected	

Client Sample ID: 102914-15 **Lab Sample ID:** 041432316-0015
Sample Description: SE wall/Window caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	11/03/2014	Gray	0.0%	97.4%	2.6% Chrysotile	



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Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

Client Sample ID: 102914-16 **Lab Sample ID:** 041432316-0016
Sample Description: SE wall/Window caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	11/03/2014					Positive Stop (Not Analyzed)

Client Sample ID: 102914-17 **Lab Sample ID:** 041432316-0017
Sample Description: SE wall/Door caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	11/03/2014	Gray	0.0%	95.3%	4.7% Chrysotile	

Client Sample ID: 102914-18 **Lab Sample ID:** 041432316-0018
Sample Description: SE wall/Door caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	11/03/2014					Positive Stop (Not Analyzed)

Client Sample ID: 102914-19 **Lab Sample ID:** 041432316-0019
Sample Description: SE wall/Door caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	11/03/2014					Positive Stop (Not Analyzed)

Client Sample ID: 102914-20 **Lab Sample ID:** 041432316-0020
Sample Description: SE wall/Green siding

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/03/2014	Green	50%	50%	None Detected	

Client Sample ID: 102914-21 **Lab Sample ID:** 041432316-0021
Sample Description: SE wall/Door caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	11/03/2014					Positive Stop (Not Analyzed)

Client Sample ID: 102914-22-Skim Coat **Lab Sample ID:** 041432316-0022
Sample Description: SW wall/Concrete

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/03/2014	Green	0%	98%	2% Chrysotile	

Client Sample ID: 102914-22-Concrete **Lab Sample ID:** 041432316-0022A
Sample Description: SW wall/Concrete

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/03/2014	Gray	0%	100%	None Detected	



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Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

Client Sample ID: 102914-23 **Lab Sample ID:** 041432316-0023
Sample Description: SW wall/Concrete

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/03/2014	Gray	0%	100%	None Detected	

Client Sample ID: 102914-24 **Lab Sample ID:** 041432316-0024
Sample Description: SW wall piping/TSI

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/03/2014	Tan	90%	10%	None Detected	

Client Sample ID: 102914-25 **Lab Sample ID:** 041432316-0025
Sample Description: SW wall piping/TSI

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2014	Tan	95%	5%	None Detected	

Client Sample ID: 102914-26 **Lab Sample ID:** 041432316-0026
Sample Description: SW wall piping/Black TSI guard - TSI Guard

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	11/05/2014	Black	0.0%	100%	None Detected	
TEM Grav. Reduction	11/05/2014	Black	0.0%	100%	None Detected	

Client Sample ID: 102914-28 **Lab Sample ID:** 041432316-0028
Sample Description: SW wall piping/Concrete - TSI Guard

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	11/05/2014	Black	0.0%	100%	None Detected	
TEM Grav. Reduction	11/05/2014	Black	0.0%	100%	None Detected	

Client Sample ID: 102914-29 **Lab Sample ID:** 041432316-0029
Sample Description: Containment wall/Concrete - TSI Guard

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	11/05/2014	Black	0.0%	100%	None Detected	
TEM Grav. Reduction	11/05/2014	Black	0.0%	100%	None Detected	

Client Sample ID: 102914-30 **Lab Sample ID:** 041432316-0030
Sample Description: Containment wall/Concrete

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/03/2014	Gray	0%	100%	None Detected	

Client Sample ID: 102914-31 **Lab Sample ID:** 041432316-0031
Sample Description: Containment wall/Concrete

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/03/2014	Gray	0%	100%	None Detected	



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Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

Client Sample ID: 102914-32 **Lab Sample ID:** 041432316-0032
Sample Description: Ground near SW wall/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	11/03/2014	Black	5.1%	94.9%	None Detected	
TEM Grav. Reduction	11/05/2014	Black	0.0%	100%	None Detected	

Client Sample ID: 102914-33 **Lab Sample ID:** 041432316-0033
Sample Description: Ground near SW wall/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	11/03/2014	Black	7.6%	92.4%	None Detected	
TEM Grav. Reduction	11/05/2014	Black	0.0%	100%	None Detected	

Client Sample ID: 102914-34 **Lab Sample ID:** 041432316-0034
Sample Description: NW wall/Green window cover

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/03/2014	Green	45%	55%	None Detected	

Client Sample ID: 102914-35 **Lab Sample ID:** 041432316-0035
Sample Description: NW wall/Green window cover

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/03/2014	Green	45%	55%	None Detected	

Client Sample ID: 102914-36 **Lab Sample ID:** 041432316-0036
Sample Description: NW wall/Green window cover

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/03/2014	Green	45%	55%	None Detected	

Client Sample ID: 102914-37 **Lab Sample ID:** 041432316-0037
Sample Description: NW wall/Green window cover

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/03/2014	Green	45%	55%	None Detected	

Client Sample ID: 102914-38 **Lab Sample ID:** 041432316-0038
Sample Description: Ground near NE wall/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	11/03/2014	Black	18.5%	81.5%	None Detected	
TEM Grav. Reduction	11/05/2014	Black	0.0%	100%	None Detected	

Client Sample ID: 102914-39 **Lab Sample ID:** 041432316-0039
Sample Description: Ground near NE wall/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	11/03/2014				Not Submitted	



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Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

Client Sample ID: 102914-40 **Lab Sample ID:** 041432316-0040
Sample Description: Ground near NE wall/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	11/04/2014	Black	13.8%	86.2%	None Detected	
TEM Grav. Reduction	11/05/2014	Black	0.0%	100%	None Detected	

Client Sample ID: 102914-41 **Lab Sample ID:** 041432316-0041
Sample Description: NW wall/Green siding

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/03/2014	Green	55%	45%	None Detected	

Client Sample ID: 102914-42 **Lab Sample ID:** 041432316-0042
Sample Description: NW wall/Green siding

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/03/2014	Green	50%	50%	None Detected	

Client Sample ID: 102914-43 **Lab Sample ID:** 041432316-0043
Sample Description: NW wall/Green siding

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2014	Green	40%	60%	None Detected	

Client Sample ID: 102914-44 **Lab Sample ID:** 041432316-0044
Sample Description: NW wall/Window caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	11/03/2014	Gray/Red	1.5%	98.5%	None Detected	
TEM Grav. Reduction	11/05/2014	Gray/Red	0.0%	98.8%	1.2% Anthophyllite	

Client Sample ID: 102914-45 **Lab Sample ID:** 041432316-0045
Sample Description: NW wall/Window caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	11/03/2014	Gray/Red	0.0%	100%	None Detected	
TEM Grav. Reduction	11/05/2014		Positive Stop (Not Analyzed)			

Client Sample ID: 102914-46 **Lab Sample ID:** 041432316-0046
Sample Description: NW wall/Window caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	11/04/2014	Gray/Red	0.0%	100%	None Detected	
TEM Grav. Reduction	11/05/2014		Positive Stop (Not Analyzed)			



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Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

Client Sample ID: 102914-48 **Lab Sample ID:** 041432316-0047
Sample Description: NE corner interior piping/Black foam TSI

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/03/2014	Black	0%	100%	None Detected	

Client Sample ID: 102914-49 **Lab Sample ID:** 041432316-0048
Sample Description: NE corner interior piping/Black foam TSI

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2014	Black	0%	100%	None Detected	

Client Sample ID: 102914-50 **Lab Sample ID:** 041432316-0049
Sample Description: SE interior piping/White TSI

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/03/2014	White	0%	100%	None Detected	

Client Sample ID: 102914-51 **Lab Sample ID:** 041432316-0050
Sample Description: SE interior piping/White TSI

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/03/2014	White	0%	100%	None Detected	

Client Sample ID: 102914-52 **Lab Sample ID:** 041432316-0051
Sample Description: SE interior piping/White TSI

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/04/2014	White	0%	100%	None Detected	

Client Sample ID: 102914-27 **Lab Sample ID:** 041432316-0052
Sample Description: SW wall piping/TSI

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/03/2014	Tan	90%	10%	None Detected	

Client Sample ID: 102914-32 **Lab Sample ID:** 041432316-0053
Sample Description: Containment Wall/Concrete

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/03/2014	Gray	0%	100%	None Detected	Two sample bags labeled "102914-32" Sample appears to be concrete.

Client Sample ID: 102914-47 **Lab Sample ID:** 041432316-0054
Sample Description: NE corner interior piping/Black foam tsi

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	11/06/2014				Not Submitted	



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Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

Analyst(s):

Amy Johnson	PLM Grav. Reduction (2)
Chelsey Bilhear	PLM (21) PLM Grav. Reduction (11)
Clarissa Turton	PLM (6) PLM Grav. Reduction (3)
Patrick Carr	PLM Grav. Reduction (1)
Sandy Burany, Ph.D	TEM Grav. Reduction (13)

Reviewed and approved by:

Stephen Siegel, CIH, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036

Report amended: 11/06/2014 21:18:35 Replaces initial report from: 11/05/2014 07:28:16 Reason Code: Client-Other (see report comment)