



ENVIRONMENTAL PROTECTION INDUSTRIES

Village of Orland Park
14700 Ravinia Avenue
Orland Park, Illinois 60462

ASBESTOS SURVEY

On a Site Located at:

Orland Plaza
9644 West 143rd Street
Orland Park, Illinois



EPI Project Number 121221

January 10, 2013

Environmental Engineering • Assessment • Remediation • Brownfield Redevelopment • Grant Assistance

Corporate Office 16650 South Canal • South Holland, IL 60473 • tx 1.800.526.1788 • fax 1.708.225.1117 • office 1.708.225.1115
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ENVIRONMENTAL PROTECTION INDUSTRIES

January 10, 2012

Mr. Frank Stec
Village of Orland Park
14700 Ravinia Avenue
Orland Park, Illinois 60462

**RE: Asbestos Survey
Orland Plaza
9620-9648 West 143rd Street
Orland Park, Illinois
EPI Project/Proposal #121221**

Dear Mr. Stec:

Environmental Protection Industries (EPI) was retained by the Village of Orland Park to provide an asbestos survey of the Orland Plaza building identified as suites 9620-9648 West 143rd Street, Orland Park, Cook County, Illinois. The asbestos survey was conducted on December 29, 2012. The scope of work for this project included locating and sampling accessible suspect asbestos-containing materials throughout the site building, in accessible areas. The materials were laboratory analyzed by Polarized Light Microscopy (PLM) at a National Voluntary Laboratory Accreditation Program (NVLAP) laboratory.

PURPOSE AND SCOPE OF SERVICE

The purpose of this project was to conduct an asbestos survey of the buildings located on the subject property. The survey was conducted in accordance with an agreement between EPI and the Village of Orland Park. The survey is being conducted in connection with the planned demolition of the site building. The survey does not include the eastern occupied tenant spaces (insurance company and bank facility).

The survey included the following:

- Review existing asbestos reports, if available;
- Survey the site buildings and identify accessible suspect asbestos-containing materials (ACM)
- The Asbestos Survey consisted of sampling accessible suspect asbestos-containing materials. The inspection was performed by Mr. John A. Best,



an Illinois Department of Public Health (IDPH) licensed inspector. (Lic# 100-10353)

- Three samples of each homogeneous suspect material identified was collected to be evaluated by an accredited laboratory to determine asbestos content. Depending on quantities, additional samples were collected.

SITE CONDITIONS

The subject property consists of 5 acres of land and is developed with a large multi-tenant single-story building that consists of approximately 33,000 square feet of floor. The site building is divided into eleven (11) separate tenant spaces. The majority of the tenant spaces were unoccupied. The tenant spaces on the west end of the plaza building are currently being utilized by the construction general contractor and sub-contractors. The site building was constructed with a basement level that is being used for equipment and supply storage.

REPRESENTATIVE ASBESTOS-CONTAINING MATERIAL SURVEY

EPI representative, Mr. John A. Best Jr., an Illinois Department of Public Health (IDPH) licensed asbestos building inspector conducted the asbestos survey of the site building.

The building was visually inspected for the presence of building materials that are suspected to contain asbestos. Bulk samples of identified suspect ACM were collected and placed in individual sample bags for transport to a National Voluntary Laboratory Accreditation Program (NVLAP)/ American Industrial Hygiene Association (AIHA) accredited laboratory for analysis. Materials visibly identified as non-asbestos (fiber glass, foam rubber, wood, etc.) were not sampled. The asbestos survey consisted of three basic procedures: 1) conducting a visual inspection of the structures; 2) identifying homogeneous areas (HAs) of suspect surfacing, thermal system insulation, and miscellaneous materials; and 3) sampling accessible, friable and non-friable suspect materials.

Prior to collecting any samples, HAs were identified and listed to develop a sampling strategy. A homogeneous sampling area can be described as one or more areas of material that are similar in appearance and texture and that have the same installation date and function. The actual number of samples collected from each homogeneous sampling area may vary, based on the type of material and the professional judgment of the inspector.

From the list of suspect homogeneous materials, a physical assessment was performed for each material on the list. A physical assessment includes evaluating the condition" assessing the potential for disturbance, and determining the friability of each material. Friability is a term used to describe the ease in which a building material inherently lends itself to disturbance. By definition, "friable" materials are those that can be crumbled or reduced to powder by hand pressure when dry. Each material on the list was further classified into one of three categories, which have specific sampling requirements for each category.

Surfacing Materials:

Surfacing material refers to spray-applied or troweled surfaces such as plaster ceilings and walls, fireproofing, textured paints, textured plasters and spray-applied acoustical surfaces.



Thermal System Insulation:

Refers to insulation used to inhibit heat gain or loss on pipes, boilers, tanks, ducts, and various other building components.

Miscellaneous Materials:

Refers to friable and non-friable products and materials that do not fit in any of the above two categories such as resilient floor covering, baseboards, mastics, adhesives, roofing material, caulking, glazing, and siding. This category also contains wallboard and ceiling tile.

All confirmed ACMs were then assessed by their condition as good (intact), fair (damaged), or poor (significantly damaged) per Title 40 Code of Federal Regulations Part 763. Material with localized significant damage was also assessed as poor when observed.

Sampling Strategy

The asbestos inspection was conducted according to NESHAP guidelines using a minimum number of samples collected for each HA, which also meets the sampling requirements found in 29 CFR 1926.1101.

Sample collection depends on the category that the HA falls into and the amount of material present, as follows:

If the analytical results indicated that all the samples collected per HA did not contain asbestos, then the HA (material) would be considered a non-ACM. However, if the analytical results of one or more of the samples collected per HA indicate that asbestos is present in quantities of greater than 1 percent asbestos by weight (as defined by EP A), all of the HA (material) would be treated as ACM regardless of any other analytical result. Material, which can visually be determined to be non-asbestos (i.e. fibrous glass, foam, rubber, etc.) by the accredited inspector are not required to be sampled.

Miscellaneous materials require adequately representative sampling, which is typically done by collecting from one to nine samples per material. Inspectors typically rely on other survey observations such as, condition, friability, and quantity of material to determine which would be a sufficient amount of samples to accurately evaluate the presence or absence of asbestos fiber content.

Actual collection of a bulk asbestos sample involves physically removing a small piece of material and placing it in a sealed, airtight container/bag. Sample containers are marked with a unique identification number, which is also noted in the field notes.

Suspect Asbestos-Containing Material

A total of sixty-seven (67) homogenous materials were identified which resulted in a total of one hundred seventy-five (178) samples being tested. The bulk asbestos samples were



analyzed by Polarized Light Microscopy (PLM) based on the number of distinct layers (materials) associated with each bulk sample and instructing the lab to “Stop at First Positive.” For example, floor tile and associated mastic are collected as one bulk sample, but are analyzed as two distinct materials. Based on quantities, additional samples were also collected. The wall insulation material was further tested using EPA 600/R-93/116 Method with CARB 435 Prep (Milling).

Additional ACM may be present on site in inaccessible or concealed spaces. These spaces include, but are not limited to pipe chases, spaces between walls and ceilings, safe doors, door cavities, interior of mechanical components such as boiler cavities, interior ducts, etc. If future maintenance/renovation/demolition activities make these areas accessible, EPI recommends that these areas/spaces be assessed at that time to identify and confirm the presence or absence of additional ACMs. Until then, all such unidentified materials should be treated as Presumed ACM (PACM) in accordance with 29 CFR 1926.1101 and 1910.1001.

LABORATORY ANALYTICAL RESULTS

Bulk samples were analyzed by EMSL Analytical, Inc (EMSL), located in Chicago, Illinois. The samples were tested using PLM in accordance with EPA method 600/R-93/116. The wall insulation material was further tested using EPA 600/R-93/116 Method with CARB 435 Prep (Milling).

Any material that contains greater than 1 percent asbestos is considered an ACM and must be handled according to OSHA, EPA, and applicable state and local regulations.

The materials that were identified to be positive for asbestos fiber content include various floor tile and/or mastics throughout the site building. Please see attached Table 1 for locations and type of asbestos containing materials.

Copies of the laboratory analytical report and corresponding chain-of-custody are included as Attachments. Results are reported in percent asbestos by volume and indicate the types of asbestos. Other common non-asbestos components may also be noted on the analytical reports.

CONCLUSIONS AND RECOMMENDATIONS

The results of the asbestos survey conducted of the site building shows that asbestos fiber containing materials exist within the site building. The materials identified include various type of floor tile and mastic and sheet rock material.

Prior to the proposed demolition of the site building, the asbestos-containing materials will be required to be removed in accordance with Cook County and State of Illinois regulations as asbestos waste.

The following recommendations should be followed for demolition projects; including contracting the services of an environmental consultant/licensed Asbestos Inspector to



monitor/document that the demolition contractor activities comply with the IDPH, OSHA, EPA, and NESHAP regulations.

ASSUMPTIONS AND LIMITATIONS

The results, findings, conclusions and recommendations expressed in this report are based only on conditions that were noted during the December 29, 2012, EPI inspection of the building.

The selection of sample locations and frequency of sampling was based on EPI observations and the assumption that like materials in the same area are homogeneous in content.

The report is designed to aid the building owner, architect, construction manager, general contractors, and potential asbestos or lead abatement contractors in locating ACM. Under no circumstances is the report to be utilized as a bidding document or as a project specification document since it does not have all the components required to serve as an Asbestos Project Design document or an Abatement Work Plan.

Our professional services have been performed, our findings obtained, and our conclusions and recommendations were prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This statement is in lieu of other statements either expressed or implied.

If you have any questions, please call and let us know how we may be of further service.

Sincerely,
Environmental Protection Industries

A handwritten signature in blue ink, appearing to read "John A. Best Jr.", is positioned above the typed name. The signature is fluid and cursive, with a large loop at the beginning and a long, sweeping tail.

John A. Best Jr.
Manager of Assessments

Enclosure: Table 1, Laboratory Report, Inspectors License



Table 1
Asbestos Survey Analytical Results
Orland Plaza
9644 West 143rd Street
Orland Park, Illinois

Sample #	Location & Quantity	Material	% Asbestos Type
OP-1-Drywall	9620	drywall	ND
OP-1-Joint Comp	9620	compound	ND
OP-2-Drywall	9620	drywall	ND
OP-2-Joint Comp	9620	compound	ND
OP-3-Drywall	9624	drywall	ND
OP-3-Joint Comp	9624	compound	ND
OP-4-Drywall	9624	drywall	ND
OP-4-Joint Comp	9624	compound	ND
OP-5-Drywall	Basement	drywall	ND
OP-5-Joint Comp	Basement	compound	ND
OP-6-Drywall	Basement	drywall	ND
OP-6-Joint Comp	Basement	compound	ND
OP-7-Drywall	9640B	drywall	ND
OP-7-Joint Comp	9640B	compound	ND
OP-8-Drywall	9640B	drywall	ND
OP-8-Joint Comp	9640B	compound	ND
OP-9-Drywall	9620	drywall	ND
OP-9-Joint Comp	9620	compound	ND
OP-10-FT	9620	Gray 12x12 FT	ND
OP-10-Mas	9620	Yellow Mastic	ND
OP-11-FT	9620	Gray 12x12 FT	ND
OP-11-Mas	9620	Yellow Mastic	ND
OP-12-FT	9620	Gray 12x12 FT	ND
OP-12-Mas	9620	Yellow Mastic	ND
OP-13-FT	9620	Gray Speckled 12x12 FT	ND
OP-13-Mas	9620 - ~1,100sf	Black/Yellow Mastic	2%-Chry
OP-14-FT	9620	Gray Speckled 12x12 FT	ND
OP-14-Mas	9620	Black/Yellow Mastic	NA
OP-15-FT	9620	Gray Speckled 12x12 FT	ND
OP-15-Mas	9620	Black/Yellow Mastic	NA
OP-16-FT	9620 (below 13-15) ~1,100sf	Green 12x12 FT	2%-Chry
OP-16-Mas	9620 (below 13-15)	Black Mastic	5%-Chry
OP-17-FT	9620 (below 13-15)	Green 12x12 FT	NA
OP-17-Mas	9620 (below 13-15)	Black Mastic	NA
OP-18-FT	9620 (below 13-15)	Green 12x12 FT	NA
OP-18-Mas	9620 (below 13-15)	Black Mastic	NA
OP-19-Cove Base	9620	Gray Base Cove	ND
OP-19-Adh	9620	Adhesive	ND
OP-20-Cove Base	9620	Gray Base Cove	ND
OP-20-Adh	9620	Adhesive	ND
OP-21-Cove Base	9620	Gray Base Cove	ND
OP-21-Adh	9620	Adhesive	ND
OP-22-FT	9620-washroom	Black Floor Tile	ND



OP-22-Mas	9620-washroom	Yellow Mastic	ND
OP-23-FT	9620-washroom	Black Floor Tile	ND
OP-23-Mas	9620-washroom	Yellow Mastic	ND
OP-24-FT	9620-washroom	Black Floor Tile	ND
OP-24-Mas	9620-washroom	Yellow Mastic	ND
OP-25-FT	9620-washroom	White Floor Tile	ND
OP-25-Mas	9620-washroom	Yellow Mastic	ND
OP-26-FT	9620-washroom	White Floor Tile	ND
OP-26-Mas	9620-washroom	Yellow Mastic	ND
OP-27-FT	9620-washroom	White Floor Tile	ND
OP-27-Mas	9620-washroom	Yellow Mastic	ND
OP-28-Cove Base	9620	Black Base Cove	ND
OP-28-Adh	9620	Adhesive	ND
OP-29-Cove Base	9620	Black Base Cove	ND
OP-29-Adh	9620	Adhesive	ND
OP-30-Cove Base	9620	Black Base Cove	ND
OP-30-Adh	9620	Adhesive	ND
OP-31	9620	Top coat (cinder wall)	ND
OP-32	9620	Top coat (cinder wall)	ND
OP-33	9620	Top coat (cinder wall)	ND
OP-34-FT	9624	Tan Speckled Floor Tile	ND
OP-34-Mas	9624	Mastic	ND
OP-34-Lev	9624	Leveler	ND
OP-35-FT	9624	Tan Speckled Floor Tile	ND
OP-35-Mas	9624	Mastic	ND
OP-35-Lev	9624	Leveler	ND
OP-36-FT	9624	Tan Speckled Floor Tile	ND
OP-36-Mas	9624	Mastic	ND
OP-36-Lev	9624	Leveler	ND
OP-37-FT	9624	Brown/Red Speckled Floor Tile	ND
OP-37-Mas	9624	Mastic	ND
OP-38-FT	9624	Brown/Red Speckled Floor Tile	ND
OP-38-Mas	9624	Mastic	ND
OP-39-FT	9624	Brown/Red Speckled Floor Tile	ND
OP-39-Mas	9624	Mastic	ND
OP-40-FT	9624 (middle layer between 34-39 and 43-48) ~3,200sf	Beige Floor Tile	2%-Chry
OP-40-Mas	9624 (middle layer between 34-39 and 43-48) ~3,200sf	Mastic	4%-Chry
OP-41-FT	9624 (middle layer between 34-39 and 43-48)	Beige Floor Tile	NA
OP-41-Mas	9624 (middle layer between 34-39 and 43-48)	Mastic	NA
OP-42-FT	9624 (middle layer between 34-39 and 43-48)	Beige Floor Tile	NA
OP-42-Mas	9624 (middle layer between 34-39 and 43-48)	Mastic	NA
OP-43-FT	9624 (bottom layer under 34-48) ~3,200sf	Brown Floor Tile	5%-Chry
OP-43-Mas	9624 (bottom layer under 34-48) ~3,200sf	Mastic	2%-Chry
OP-44-FT	9624 (bottom layer under 34)	Brown Floor Tile	NA
OP-44-Mas	9624 (bottom layer under 34)	Mastic	NA



OP-45-FT	9624 (bottom layer under 34)	Brown Floor Tile	NA
OP-45-Mas	9624 (bottom layer under 34)	Mastic	NA
OP-46-FT	9624 (bottom layer under 34-48 and in pattern w/ 43-45)	Tan Floor Tile	3%-Chry
OP-46-Mas	9624 (bottom layer under 34-48 and in pattern w/ 43-45)	Mastic	ND
OP-47-FT	9624 (bottom layer under 34-48 and in pattern w/ 43-45)	Tan Floor Tile	NA
OP-47-Mas	9624 (bottom layer under 34-48 and in pattern w/ 43-45)	Mastic	ND
OP-48-FT	9624 (bottom layer under 34-48 and in pattern w/ 43-45)	Tan Floor Tile	NA
OP-48-Mas	9624 (bottom layer under 34-48 and in pattern w/ 43-45)	Mastic	ND
OP-49	9624	Ceiling tile	ND
OP-50	9624	Ceiling tile	ND
OP-51	9624	Ceiling tile	ND
OP-52-Cove Base	9624	Black Base Cove	ND
OP-52-Adh	9624	Adhesive	ND
OP-53-Cove Base	9624	Black Base Cove	ND
OP-53-Adh	9624	Adhesive	ND
OP-54-Cove Base	9624	Black Base Cove	ND
OP-54-Adh	9624	Adhesive	ND
OP-55-FT	9628 - ~800sf (below 58-60)	Tan Floor tile	5%-Chry
OP-55-Mas	9628 ~800sf (below 58-60)	Black Mastic	5%-Chry
OP-56-FT	9628 (below 58-60)	Tan Floor tile	NA
OP-56-Mas	9628 (below 58-60)	Black Mastic	NA
OP-57-FT	9628 (below 58-60)	Tan Floor tile	NA
OP-57-Mas	9628 (below 58-60)	Black Mastic	NA
OP-58-FT	9628 - ~625sf (above 55-57)	Beige Floor tile	3%-Chry
OP-58-Mas	9628 (above 55-57)	Black Mastic	ND
OP-59-FT	9628 (above 55-57)	Beige Floor tile	NA
OP-59-Mas	9628 (above 55-57)	Black Mastic	ND
OP-60-FT	9628 (above 55-57)	Beige Floor tile	NA
OP-60-Mas	9628 (above 55-57)	Black Mastic	ND
OP-61	9628	Floor Leveler	ND
OP-62	9628	Floor Leveler	ND
OP-63	9628	Floor Leveler	ND
OP-64	9628	Ceiling Tile	ND
OP-65	9628	Ceiling Tile	ND
OP-66	9628	Ceiling Tile	ND
OP-67-FT	9632	Beige Floor tile	ND
OP-67-Mas	9632	Black Mastic	ND
OP-68-FT	9632	Tan Floor tile	ND
OP-68-Mas	9632	Black Mastic	ND
OP-69-FT	9632	Tan Floor tile	ND
OP-69-Mas	9632	Black Mastic	ND
OP-70	Basement	Ceiling Tile	ND
OP-71	Basement	Ceiling Tile	ND
OP-72	Basement	Ceiling Tile	ND
OP-73-FT	9640 ~ 200sf	Tan Floor tile	ND
OP-73-Mas	9640 - ~200sf	Black Mastic	3%-Chry
OP-74-FT	9640	Tan Floor tile	ND



OP-74-Mas	9640	Black Mastic	NA
OP-75-FT	9640	Tan Floor tile	ND
OP-75-Mas	9640	Black Mastic	NA
OP-76	9642	Ceiling Tile	ND
OP-77	9642	Ceiling Tile	ND
OP-78	9642	Ceiling Tile	ND
OP-79	9642	Drywall Ceiling Tile	ND
OP-80	9642	Drywall Ceiling Tile	ND
OP-81	9642	Drywall Ceiling Tile	ND
OP-82-FT	Basement	Beige 12x12 FT	ND
OP-82-Mas	Basement	Yellow Mastic	ND
OP-83-FT	Basement	Beige 12x12 FT	ND
OP-83-Mas	Basement	Yellow Mastic	ND
OP-84-FT	Basement	Beige 12x12 FT	ND
OP-84-Mas	Basement	Yellow Mastic	ND
OP-85-FT	9642	Green 12x12 FT	ND
OP-85-Mas	9642	Yellow Mastic	ND
OP-86-FT	9642	Green 12x12 FT	ND
OP-86-Mas	9642	Yellow Mastic	ND
OP-87-FT	9642	Green 12x12 FT	ND
OP-87-Mas	9642	Yellow Mastic	ND
OP-88-FT	9644	Beige 12x12 FT	ND
OP-88-Mas	9644	Yellow Mastic	ND
OP-89-FT	9644	Beige 12x12 FT	ND
OP-89-Mas	9644	Yellow Mastic	ND
OP-90-FT	9644	Beige 12x12 FT	ND
OP-90-Mas	9644	Yellow Mastic	ND
*OP-91	9634	Wall Insulation	ND
*OP-92	9634	Wall Insulation	ND
*OP-93	9634-36	Wall Insulation	ND
OP-94-FT	9636 Pattern under carpet-ceramic	Beige 12x12 FT	ND
OP-94-Mas	9636 Pattern under carpet-ceramic	Black Mastic	ND
OP-95-FT	9636 Pattern under carpet-ceramic	Beige 12x12 FT	ND
OP-95-Mas	9636 Pattern under carpet-ceramic	Black Mastic	ND
OP-96-FT	9636 Pattern under carpet-ceramic	Beige 12x12 FT	ND
OP-96-Mas	9636 Pattern under carpet-ceramic	Black Mastic	ND
OP-97-FT	9636 Pattern under carpet-ceramic	Red 12x12 FT	ND
OP-97-Mas	9636 Pattern under carpet-ceramic	Black Mastic	ND
OP-98-FT	9636 Pattern under carpet-ceramic	Red 12x12 FT	ND
OP-98-Mas	9636 Pattern under carpet-ceramic	Black Mastic	ND
OP-99-FT	9636 Pattern under carpet-ceramic	Red 12x12 FT	ND
OP-99-Mas	9636 Pattern under carpet-ceramic	Black Mastic	ND
OP-100-FT	9636 Rear Storage Room	White 12x12 FT	ND
OP-100-Mas	9636 Rear Storage Room	Black Mastic	ND
OP-101-FT	9636 Rear Storage Room	White 12x12 FT	ND
OP-101-Mas	9636 Rear Storage Room	Black Mastic	ND
OP-102-FT	9636 Rear Storage Room	White 12x12 FT	ND
OP-102-Mas	9636 Rear Storage Room	Black Mastic	ND
OP-103-Flashing	Roof Core	Flashing	ND
OP-103-Roofing	Roof Core	Fabric	ND
OP-104-Flashing	Roof Core	Flashing	ND
OP-104-Roofing	Roof Core	Fabric	ND



OP-105-Flashing	Roof Core	Flashing	ND
OP-105-Roofing	Roof Core	Fabric	ND
OP-106-Flashing	Roof Core	Flashing	ND
OP-106-Roofing	Roof Core	Fabric	ND
OP-107	Roof	Fabric	ND
OP-108	Roof	Asphalt Shingle	ND
OP-109	Roof	Asphalt Shingle	ND
OP-110	Roof	Asphalt Shingle	ND
OP-111	Roof	White Covering	ND
OP-112	Roof	White Covering	ND
OP-113	Roof	White Covering	ND
OP-114	Sprinkler Room ~ 50sf	Sheet Rock	15%-Chry
OP-115	Sprinkler Room	Sheet Rock	NA
OP-116	Sprinkler Room	Sheet Rock	NA
OP-117	9634	Wall Insulation	ND
OP-118	9634	Wall Insulation	ND
OP-119	9636	Wall Insulation	ND

ND - Non-Detect for Asbestos, NA - Not Analyzed, IM - Insufficient Material, AD-Adhesive, CT-Ceiling Tile

***-OP-91-93 retested by CARB Method (samples OP-117-119)**

NOTES:

9620 – No tile noted under carpet in areas inspected (entire space is ~ 40x98)

9624 – Three layers of floor tile noted – Top layer is negative and bottom two layers are positive

9628-30 – Beige tile is in rear of unit – Tan floor tile appears to be throughout space



EMSL Analytical, Inc.

2225 W. Hubbard Street, Chicago, IL 60612
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EMSL Order: 261208085
CustomerID: ENPI63
CustomerPO:
ProjectID:

Attn: **John Best**
Environmental Protection Industries
16650 S Canal Street
South Holland, IL 60473

Phone: (708) 225-1115
Fax: (708) 225-1117
Received: 12/31/12 8:00 AM
Analysis Date: 1/3/2013
Collected:

Project: 121221

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
OP-1-Drywall 261208085-0001	Drywall/Comp	White Non-Fibrous Heterogeneous	10% Cellulose 5% Glass	85% Non-fibrous (other)	None Detected
OP-1-Joint Compound 261208085-0001A	Drywall/Comp	Cream Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-2-Drywall 261208085-0002	Drywall/Comp	White Non-Fibrous Heterogeneous	5% Cellulose 5% Glass	90% Non-fibrous (other)	None Detected
OP-2-Joint Compound 261208085-0002A	Drywall/Comp	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-3-Drywall 261208085-0003	Drywall/Comp	White Non-Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
OP-3-Joint Compound 261208085-0003A	Drywall/Comp	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-4-Drywall 261208085-0004	Drywall/Comp	White Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected

Analyst(s)
Dahlia Zyhowski (79)
Nick Neu (95)

James Hahn, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported 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. 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. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
Samples analyzed by EMSL Analytical, Inc. Chicago, IL NVLAP Lab Code 200399-0

Initial report from 01/03/2013 11:56:02



EMSL Analytical, Inc.

2225 W. Hubbard Street, Chicago, IL 60612
Phone/Fax: (773) 313-0099 / (773) 313-0139
<http://www.emsl.com> chicago@emsl.com

EMSL Order: 261208085
CustomerID: ENPI63
CustomerPO:
ProjectID:

Attn: **John Best**
Environmental Protection Industries
16650 S Canal Street
South Holland, IL 60473


Phone: (708) 225-1115
Fax: (708) 225-1117
Received: 12/31/12 8:00 AM
Analysis Date: 1/3/2013
Collected:

Project: 121221

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
OP-4-Joint Compound 261208085-0004A	Drywall/Comp	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
OP-5-Drywall 261208085-0005	Drywall/Comp	White Non-Fibrous Heterogeneous	5% Cellulose 5% Glass	90% Non-fibrous (other)	None Detected
OP-5-Joint Compound 261208085-0005A	Drywall/Comp	Cream Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-6-Drywall 261208085-0006	Drywall/Comp	White Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
OP-6-Joint Compound 261208085-0006A	Drywall/Comp	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-7-Drywall 261208085-0007	Drywall/Comp	White Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
OP-7-Joint Compound 261208085-0007A	Drywall/Comp	Cream Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)
Dahlia Zyhowski (79)
Nick Neu (95)


James Hahn, Laboratory Manager
or other approved signatory

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Initial report from 01/03/2013 11:56:02

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EMSL Order: 261208085
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Phone: (708) 225-1115
 Fax: (708) 225-1117
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 Collected:

Project: 121221

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
OP-8-Drywall 261208085-0008	Drywall/Comp	White Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
OP-8-Joint Compound 261208085-0008A	Drywall/Comp	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-9-Drywall 261208085-0009	Drywall/Comp	White Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
OP-9-Joint Compound 261208085-0009A	Drywall/Comp	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-10-Floor Tile 261208085-0010	Grey FT/Mas	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-10-Mastic 261208085-0010A	Grey FT/Mas	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-11-Floor Tile 261208085-0011	Grey FT/Mas	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-11-Mastic 261208085-0011A	Grey FT/Mas	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
OP-12-Floor Tile 261208085-0012	Grey FT/Mas	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-12-Mastic 261208085-0012A	Grey FT/Mas	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-13-Floor Tile 261208085-0013	Grey Speckles FT/Mas	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-13-Mastic 261208085-0013A	Grey Speckles FT/Mas	Black/Yellow Non-Fibrous Heterogeneous		98% Non-fibrous (other)	2% Chrysotile
OP-14-Floor Tile 261208085-0014	Grey Speckles FT/Mas	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-14-Mastic 261208085-0014A	Grey Speckles FT/Mas				Stop Positive (Not Analyzed)
OP-15-Floor Tile 261208085-0015	Grey Speckles FT/Mas	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-15-Mastic 261208085-0015A	Grey Speckles FT/Mas				Stop Positive (Not Analyzed)

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
OP-16-Floor Tile 261208085-0016	Green FT/Mas	Green Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
OP-16-Mastic 261208085-0016A	Green FT/Mas	Black Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
OP-17 261208085-0017	Green FT/Mas				Stop Positive (Not Analyzed)
OP-18 261208085-0018	Green FT/Mas				Stop Positive (Not Analyzed)
OP-19-Cove Base 261208085-0019	Base Cove Grey	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-19-Adhesive 261208085-0019A	Base Cove Grey	Cream Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-20-Cove Base 261208085-0020	Base Cove Grey	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-20-Adhesive 261208085-0020A	Base Cove Grey	Cream Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
OP-21-Cove Base 261208085-0021	Base Cove Grey	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-21-Adhesive 261208085-0021A	Base Cove Grey	Cream Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-22-Floor Tile 261208085-0022	Black FT/Mas	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-22-Mastic 261208085-0022A	Black FT/Mas	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-23-Floor Tile 261208085-0023	Black FT/Mas	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-23-Mastic 261208085-0023A	Black FT/Mas	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-24-Floor Tile 261208085-0024	Black FT/Mas	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-24-Mastic 261208085-0024A	Black FT/Mas	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
OP-25-Floor Tile 261208085-0025	White FT/Mas	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-25-Mastic 261208085-0025A	White FT/Mas	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-26-Floor Tile 261208085-0026	White FT/Mas	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-26-Mastic 261208085-0026A	White FT/Mas	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-27-Floor Tile 261208085-0027	White FT/Mas	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-27-Mastic 261208085-0027A	White FT/Mas	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-28-Cove Base 261208085-0028	Base Cove BLK	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-28-Adhesive 261208085-0028A	Base Cove BLK	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
OP-29-Cove Base 261208085-0029	Base Cove BLK	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-29-Adhesive 261208085-0029A	Base Cove BLK	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-30-Cove Base 261208085-0030	Base Cove BLK	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-30-Adhesive 261208085-0030A	Base Cove BLK	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-31 261208085-0031	Top Coat On Cinder Wall	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
OP-32 261208085-0032	Top Coat On Cinder Wall	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
OP-33 261208085-0033	Top Coat On Cinder Wall	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
OP-34-Floor Tile 261208085-0034	Tan Speckles FT/Mas/Leveler	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
OP-34-Mastic 261208085-0034A	Tan Speckles FT/Mas/Leveler	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-34-Leveler 261208085-0034B	Tan Speckles FT/Mas/Leveler	Gray Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
OP-35-Floor Tile 261208085-0035	Tan Speckles FT/Mas/Leveler	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-35-Mastic 261208085-0035A	Tan Speckles FT/Mas/Leveler	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-35-Leveler 261208085-0035B	Tan Speckles FT/Mas/Leveler	Gray Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
OP-36-Floor Tile 261208085-0036	Tan Speckles FT/Mas/Leveler	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-36-Mastic 261208085-0036A	Tan Speckles FT/Mas/Leveler	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-36-Leveler 261208085-0036B	Tan Speckles FT/Mas/Leveler	Gray Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
OP-37-Floor Tile 261208085-0037	Red-Brown Speckles Ft/Mas	Orange Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-37-Mastic 261208085-0037A	Red-Brown Speckles Ft/Mas	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-38-Floor Tile 261208085-0038	Red-Brown Speckles Ft/Mas	Orange Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-38-Mastic 261208085-0038A	Red-Brown Speckles Ft/Mas	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-39-Floor Tile 261208085-0039	Red-Brown Speckles Ft/Mas	Orange Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-39-Mastic 261208085-0039A	Red-Brown Speckles Ft/Mas	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-40-Floor Tile 261208085-0040	Beige Ft/Mas	Beige Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
OP-40-Mastic 261208085-0040A	Beige Ft/Mas	Black Non-Fibrous Homogeneous		96% Non-fibrous (other)	4% Chrysotile

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
OP-41 261208085-0041	Beige Ft/Mas				Stop Positive (Not Analyzed)
OP-42 261208085-0042	Beige Ft/Mas				Stop Positive (Not Analyzed)
OP-43-Floor Tile 261208085-0043	Brown FT/Mas	Brown Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
OP-43-Mastic 261208085-0043A	Brown FT/Mas	Black Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
OP-44 261208085-0044	Brown FT/Mas				Stop Positive (Not Analyzed)
OP-45 261208085-0045	Brown FT/Mas				Stop Positive (Not Analyzed)
OP-46-Floor Tile 261208085-0046	Tan FT/Mas	Tan Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
OP-46-Mastic 261208085-0046A	Tan FT/Mas	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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or other approved signatory

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Initial report from 01/03/2013 11:56:02



EMSL Analytical, Inc.

2225 W. Hubbard Street, Chicago, IL 60612
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EMSL Order: 261208085
CustomerID: ENPI63
CustomerPO:
ProjectID:

Attn: **John Best**
Environmental Protection Industries
16650 S Canal Street
South Holland, IL 60473

Phone: (708) 225-1115
Fax: (708) 225-1117
Received: 12/31/12 8:00 AM
Analysis Date: 1/3/2013
Collected:

Project: 121221

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
OP-47-Floor Tile 261208085-0047	Tan FT/Mas				Stop Positive (Not Analyzed)
OP-47-Mastic 261208085-0047A	Tan FT/Mas	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-48-Floor Tile 261208085-0048	Tan FT/Mas				Stop Positive (Not Analyzed)
OP-48-Mastic 261208085-0048A	Tan FT/Mas	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-49 261208085-0049	CeilingTile	Brown/White Fibrous Heterogeneous	98% Cellulose	2% Non-fibrous (other)	None Detected
OP-50 261208085-0050	CeilingTile	Brown/White Fibrous Heterogeneous	98% Cellulose	2% Non-fibrous (other)	None Detected
OP-51 261208085-0051	CeilingTile	Brown/White Fibrous Heterogeneous	98% Cellulose	2% Non-fibrous (other)	None Detected
OP-52-Cove Base 261208085-0052	Base Cove BLK	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s) _____

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
OP-52-Adhesive 261208085-0052A	Base Cove BLK	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-53-Cove Base 261208085-0053	Base Cove BLK	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-53-Adhesive 261208085-0053A	Base Cove BLK	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-54-Cove Base 261208085-0054	Base Cove BLK	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-54-Adhesive 261208085-0054A	Base Cove BLK	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-55-Floor Tile 261208085-0055	Tan 9x9 FT/Mas	Tan Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
OP-55-Mastic 261208085-0055A	Tan 9x9 FT/Mas	Black Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
OP-56 261208085-0056	Tan 9x9 FT/Mas				Stop Positive (Not Analyzed)

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
OP-57 261208085-0057	Tan 9x9 FT/Mas				Stop Positive (Not Analyzed)
OP-58-Floor Tile 261208085-0058	Beige 12x12 FT/Mas	Beige Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
OP-58-Mastic 261208085-0058A	Beige 12x12 FT/Mas	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-59-Floor Tile 261208085-0059	Beige 12x12 FT/Mas				Stop Positive (Not Analyzed)
OP-59-Mastic 261208085-0059A	Beige 12x12 FT/Mas	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-60-Floor Tile 261208085-0060	Beige 12x12 FT/Mas				Stop Positive (Not Analyzed)
OP-60-Mastic 261208085-0060A	Beige 12x12 FT/Mas	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-61 261208085-0061	Leveler	Gray Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
OP-62 261208085-0062	Leveler	Gray Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
OP-63 261208085-0063	Leveler	Gray Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
OP-64 261208085-0064	CeilingTile	White Fibrous Heterogeneous	80% Cellulose 5% Min. Wool	15% Non-fibrous (other)	None Detected
OP-65 261208085-0065	CeilingTile	White Fibrous Heterogeneous	80% Cellulose 5% Min. Wool	15% Non-fibrous (other)	None Detected
OP-66 261208085-0066	CeilingTile	White Fibrous Heterogeneous	80% Cellulose 5% Min. Wool	15% Non-fibrous (other)	None Detected
OP-67-Floor Tile 261208085-0067	Beige Ft/Mas	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-67-Mastic 261208085-0067A	Beige Ft/Mas	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-68-Floor Tile 261208085-0068	Beige Ft/Mas	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
OP-68-Mastic 261208085-0068A	Beige Ft/Mas	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-69-Floor Tile 261208085-0069	Beige Ft/Mas	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-69-Mastic 261208085-0069A	Beige Ft/Mas	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-70 261208085-0070	CeilingTile	White Fibrous Heterogeneous	80% Cellulose 5% Min. Wool	15% Non-fibrous (other)	None Detected
OP-71 261208085-0071	CeilingTile	White Fibrous Heterogeneous	80% Cellulose 5% Min. Wool	15% Non-fibrous (other)	None Detected
OP-72 261208085-0072	CeilingTile	White Fibrous Heterogeneous	80% Cellulose 5% Min. Wool	15% Non-fibrous (other)	None Detected
OP-73-Floor Tile 261208085-0073	12x12 FT/Mas	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-73-Mastic 261208085-0073A	12x12 FT/Mas	Black Non-Fibrous Homogeneous	3% Cellulose	94% Non-fibrous (other)	3% Chrysotile

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
OP-74-Floor Tile 261208085-0074	12x12 FT/Mas	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-74-Mastic 261208085-0074A	12x12 FT/Mas				Stop Positive (Not Analyzed)
OP-75-Floor Tile 261208085-0075	12x12 FT/Mas	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-75-Mastic 261208085-0075A	12x12 FT/Mas				Stop Positive (Not Analyzed)
OP-76 261208085-0076	CeilingTile	White Fibrous Heterogeneous	65% Cellulose	35% Non-fibrous (other)	None Detected
OP-77 261208085-0077	CeilingTile	White Fibrous Heterogeneous	65% Cellulose	35% Non-fibrous (other)	None Detected
OP-78 261208085-0078	CeilingTile	White Fibrous Heterogeneous	65% Cellulose	35% Non-fibrous (other)	None Detected
OP-79 261208085-0079	CeilingTile	White Fibrous Heterogeneous	98% Cellulose	2% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
OP-80 261208085-0080	CeilingTile	White Fibrous Heterogeneous	98% Cellulose	2% Non-fibrous (other)	None Detected
OP-81 261208085-0081	CeilingTile	Brown/White Fibrous Heterogeneous	98% Cellulose	2% Non-fibrous (other)	None Detected
OP-82-Floor Tile 261208085-0082	Beige Ft/Mas	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
TEM analysis recommended.					
OP-82-Mastic 261208085-0082A	Beige Ft/Mas	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-83-Floor Tile 261208085-0083	Beige Ft/Mas	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
TEM analysis recommended.					
OP-83-Mastic 261208085-0083A	Beige Ft/Mas	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-84-Floor Tile 261208085-0084	Beige Ft/Mas	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
TEM analysis recommended.					

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			% Fibrous	% Non-Fibrous	% Type
OP-84-Mastic 261208085-0084A	Beige Ft/Mas	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-85-Floor Tile 261208085-0085	Green 12x12 FT/Mas	Green Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-85-Mastic 261208085-0085A	Green 12x12 FT/Mas	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-86-Floor Tile 261208085-0086	Green 12x12 FT/Mas	Green Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-86-Mastic 261208085-0086A	Green 12x12 FT/Mas	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-87 261208085-0087	Green 12x12 FT/Mas	Green Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
Insufficient amount of mastic present for testing.					
OP-88-Floor Tile 261208085-0088	Beige Ft/Mas	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-88-Mastic 261208085-0088A	Beige Ft/Mas	Black Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected

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			% Fibrous	% Non-Fibrous	% Type
OP-89-Floor Tile 261208085-0089	Beige Ft/Mas	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-89-Mastic 261208085-0089A	Beige Ft/Mas	Black Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
OP-90-Floor Tile 261208085-0090	Beige Ft/Mas	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-90-Mastic 261208085-0090A	Beige Ft/Mas	Black Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
OP-91 261208085-0091	Wall Insulation	Various/Gold Non-Fibrous Heterogeneous		30% Mica 70% Non-fibrous (other)	None Detected
Vermiculite and Soil are known problem matrices and negative results cannot be guaranteed. Additional analysis such as CARB 435 milling prep or ASTM Draft Soil Sieving is recommended for proper quantification of asbestos in vermiculite and soil.					
OP-92 261208085-0092	Wall Insulation	Various/Gold Non-Fibrous Heterogeneous		30% Mica 70% Non-fibrous (other)	None Detected
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Samples analyzed by EMSL Analytical, Inc. Chicago, IL NVLAP Lab Code 200399-0

Initial report from 01/03/2013 11:56:02



EMSL Analytical, Inc.

2225 W. Hubbard Street, Chicago, IL 60612
Phone/Fax: (773) 313-0099 / (773) 313-0139
<http://www.emsl.com> chicago@emsl.com

EMSL Order: 261208085
CustomerID: ENPI63
CustomerPO:
ProjectID:

Attn: **John Best**
Environmental Protection Industries
16650 S Canal Street
South Holland, IL 60473


Phone: (708) 225-1115
Fax: (708) 225-1117
Received: 12/31/12 8:00 AM
Analysis Date: 1/3/2013
Collected:

Project: 121221

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
OP-93 261208085-0093	Wall Insulation	Various/Gold Non-Fibrous Heterogeneous		30% Mica 70% Non-fibrous (other)	None Detected
<small>Vermiculite and Soil are known problem matrices and negative results cannot be guaranteed. Additional analysis such as CARB 435 milling prep or ASTM Draft Soil Sieving is recommended for proper quantification of asbestos in vermiculite and soil.</small>					
OP-94-Floor Tile 261208085-0094	Beige Ft/Mas	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-94-Mastic 261208085-0094A	Beige Ft/Mas	Black Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
OP-95-Floor Tile 261208085-0095	Beige Ft/Mas	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-95-Mastic 261208085-0095A	Beige Ft/Mas	Black Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
OP-96-Floor Tile 261208085-0096	Beige Ft/Mas	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-96-Mastic 261208085-0096A	Beige Ft/Mas	Black Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected

Analyst(s)
Dahlia Zyhowski (79)
Nick Neu (95)


James Hahn, Laboratory Manager
or other approved signatory

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
OP-97-Floor Tile 261208085-0097	Red 12x12 FT/Mas	Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-97-Mastic 261208085-0097A	Red 12x12 FT/Mas	Black Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
OP-98-Floor Tile 261208085-0098	Red 12x12 FT/Mas	Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-98-Mastic 261208085-0098A	Red 12x12 FT/Mas	Black Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
OP-99-Floor Tile 261208085-0099	Red 12x12 FT/Mas	Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-99-Mastic 261208085-0099A	Red 12x12 FT/Mas	Black Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
OP-100-Floor Tile 261208085-0100	White 12x12 Ft/mas	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-100-Mastic 261208085-0100A	White 12x12 Ft/mas	Black Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected

Analyst(s)

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 Nick Neu (95)

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
OP-101-Floor Tile 261208085-0101	White 12x12 Ft/mas	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-101-Mastic 261208085-0101A	White 12x12 Ft/mas	Black Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
OP-102-Floor Tile 261208085-0102	White 12x12 Ft/mas	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
OP-102-Mastic 261208085-0102A	White 12x12 Ft/mas	Black Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
OP-103-Flashing 261208085-0103	Roof Mat	Black Non-Fibrous Homogeneous	5% Wollastonite	95% Non-fibrous (other)	None Detected
OP-103-Roofing 261208085-0103A	Roof Mat	Black Non-Fibrous Heterogeneous	30% Cellulose	70% Non-fibrous (other)	None Detected
OP-104-Flashing 261208085-0104	Roof Mat	Black Non-Fibrous Homogeneous	5% Wollastonite	95% Non-fibrous (other)	None Detected
OP-104-Roofing 261208085-0104A	Roof Mat	Brown/Black Fibrous Heterogeneous	55% Cellulose	45% Non-fibrous (other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
OP-105-Flashing 261208085-0105	Roof Mat	Black Non-Fibrous Homogeneous	5% Wollastonite	95% Non-fibrous (other)	None Detected
OP-105-Roofing 261208085-0105A	Roof Mat	Black Non-Fibrous Heterogeneous	5% Synthetic	95% Non-fibrous (other)	None Detected
OP-106-Flashing 261208085-0106	Roof Mat	Black Non-Fibrous Homogeneous	5% Wollastonite	95% Non-fibrous (other)	None Detected
OP-106-Roofing 261208085-0106A	Roof Mat	Black Non-Fibrous Heterogeneous	5% Synthetic	95% Non-fibrous (other)	None Detected
OP-107 261208085-0107	Roof Mat	Black Non-Fibrous Heterogeneous	5% Synthetic	95% Non-fibrous (other)	None Detected
No flashing present with sample.					
OP-108 261208085-0108	Asphalt Shngles	Black Non-Fibrous Heterogeneous	10% Glass	90% Non-fibrous (other)	None Detected
OP-109 261208085-0109	Asphalt Shngles	Black Non-Fibrous Heterogeneous	10% Glass	90% Non-fibrous (other)	None Detected
OP-110 261208085-0110	Asphalt Shngles	Black Non-Fibrous Heterogeneous	10% Glass	90% Non-fibrous (other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
OP-111 261208085-0111	White Roof Shingles	White/Black Non-Fibrous Heterogeneous	5% Glass 5% Wollastonite	90% Non-fibrous (other)	None Detected
OP-112 261208085-0112	White Roof Shingles	White/Black Non-Fibrous Heterogeneous	5% Glass 5% Wollastonite	90% Non-fibrous (other)	None Detected
OP-113 261208085-0113	White Roof Shingles	White/Black Non-Fibrous Heterogeneous	5% Glass 5% Wollastonite	90% Non-fibrous (other)	None Detected
OP-114 261208085-0114	Sheet Rock	Gray Non-Fibrous Homogeneous		85% Non-fibrous (other)	15% Chrysotile
OP-115 261208085-0115	Sheet Rock				Stop Positive (Not Analyzed)
OP-116 261208085-0116	Sheet Rock				Stop Positive (Not Analyzed)

Analyst(s)

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Initial report from 01/03/2013 11:56:02



EMSL ANALYTICAL, INC.
LABORATORY-PRODUCTS-TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

261208085

2225 W HUBBARD ST

Chicago, IL 60612

PHONE: (773) 313-0099

FAX: (773) 313-0139

Company: EPI		EMSL-Bill to: <input type="checkbox"/> Different <input checked="" type="checkbox"/> Same <small>If Bill to is Different note instructions in Comments**</small>	
Street: 16650 South Canal		Third Party Billing requires written authorization from third party	
City: South Holland	State/Province: IL	Zip/Postal Code: 60473	Country: United States
Report To (Name): John Best		Telephone #: 708-225-1115	
Email Address: jbest@environmental-epi.com		Fax #: 708-225-1117	Purchase Order:
Project Name/Number: 121221		Please Provide Results: <input type="checkbox"/> FAX <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Mail	
U.S. State Samples Taken: IL		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input checked="" type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
<small>*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.</small>			
PCM - Air <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA		TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312	
PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input checked="" type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH-9002 (<1%)		TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
<input checked="" type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8µm <input type="checkbox"/> 0.45µm	
Samplers Name: JOHN BEST		Samplers Signature:	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
OP-1			
OP-2			
OP-3			
OP-4			
OP-5			
OP-6			
OP-7			
OP-8			
Client Sample # (s): -		Total # of Samples:	
Relinquished (Client):		Date:	Time:
Received (Lab): DSZ		Date: 12/30/15	Time: 11:45 AM
Comments/Special Instructions: <small>Stop at 1st Positive</small>		Monday 8:00am Drop Box	



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

-8085

2225 W HUBBARD ST

Chicago, IL 60612

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FAX: (773) 313-0139

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

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
OP-9	DRYWALL / CORP		
OP-10	GRAY FT/MAS		
OP-11	↓		
OP-12			
OP-13	GRAY SPACKLES FT/MAS		
OP-14			
OP-15	↓		
OP-16	GREEN-BLUE FT/MAS		
OP-17			
OP-18	↓		
OP-19	BASE COAT (GRAY)		
OP-20			
OP-21	↓		
OP-22	BLACK FT/MAS		
OP-23			
OP-24	↓		
OP-25	WHITE FT/MAS		
OP-26			
OP-27	↓		
OP-28	BASE COAT (BLACK)		
OP-29			
OP-30	↓		
OP-31	TOP COAT (ON CEMENT WALL)		
OP-32	↓		

*Comments/Special Instructions:

Stop at 1st Positive



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Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
OP-33	TOP COAT (ON CINDER WALL)		
OP-34	TAN SPECKLES FT/MAS/LEVER (TOP LAYER)		
OP-35			
OP-36	↓		
OP-37	RED-BROWN SPECKLES FT/MAS (TOP LAYER)		
OP-38			
OP-39	↓		
OP-40	BESTIG FT/MAS (MID LAYER)		
OP-41			
OP-42	↓		
OP-43	BROWN 9x9 FT/MAS (BOT LAYER)		
OP-44			
OP-45	↓		
OP-46	TAN 9x9 FT/MAS		
OP-47			
OP-48	↓		
OP-49	CEILING TILE		
OP-50			
OP-51	↓		
OP-52	BASE COVE (BLK)		
OP-53			
OP-54	↓		
OP-55	TAN 9x9 FT/MAS (BOT LAYER)		
OP-56			

*Comments/Special Instructions:

Stop at 1st Positive



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Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
OP-56	TAN 9x9 FT/MAS (Bot Layer)		
OP-57	↓		
OP-58	PS166 12x12 FT/MAS (TOP Layer)		
OP-59			
OP-60	↓		
OP-61	FLOOR LENSOR		
OP-62			
OP-63	↓		
OP-64	Ceiling Tiles		
OP-65			
OP-66	↓		
OP-67	PS166 FT/MAS		
OP-68			
OP-69	↓		
OP-70	Ceiling Tiles (Basement)		
OP-71			
OP-72	↓		
OP-73	12x12 FT/MAS		
OP-74			
OP-75	↓		
OP-76	Ceiling Tiles		
OP-77			
OP-78	↓		
OP-79	Ceiling Tiles		

*Comments/Special Instructions:

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Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
OP-80	Ceiling Tiles		
OP-81	↓		
OP-82	Beige FT/MAT (Basement)		
OP-83	Beige FT/MAT (Basement)		
OP-84	↓		
OP-85	Green 12x12 FT/MAT		
OP-86	↓		
OP-87	↓		
OP-88	Beige FT/MAT		
OP-89	↓		
OP-90	↓		
OP-91	Wall Insulation Material MATERIAL		
OP-92	↓		
OP-93	↓		
OP-94	Beige 12x12 FT/MAT		
OP-95	↓	} PASTER	
OP-96	↓		
OP-97	Red 12x12 FT/MAT		
OP-98	↓		
OP-99	↓		
OP-100	White 12x12 FT/MAT		
OP-101	↓		
OP-102	↓		
OP-103	Roof MAT (Cons)		

*Comments/Special Instructions:

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Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
OP-104	ROOF MATERIAL (CORE)		
OP-105	ROOF MAT		
OP-106	ROOF MAT		
OP-107	ROOF MAT		
OP-108	ASPALT SHINGLES		
OP-109	↓		
OP-111	WHITE ROOF SURFACE LAYON		
OP-112	↓		
OP-114	SHIST ROCK (SPRINKLER Rn)		
OP-115	↓		
OP-116	↓		

***Comments/Special Instructions:**

Stop at 1st Positive

EMSL Analytical, Inc.2001 East 52nd St., Indianapolis, IN 46205
Phone/Fax: (317) 803-2997 / (317) 803-3047

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EMSL Order: 161300258
CustomerID: ENPI63
CustomerPO:
ProjectID:**EMSL**

SM

Attn: **John Best**
Environmental Protection Industries
16650 S Canal Street
South Holland, IL 60473Phone: (708) 225-1115
Fax: (708) 225-1117
Received: 01/09/13 10:15 AM
Analysis Date: 1/10/2013
Collected:


Project: 121221

**Test Report: PLM Analysis of Bulk Materials for Asbestos
via Modified EPA 600/R-93/116 Method with Carb 435 Prep (Milling)
for 1.0% Target Analytical Sensitivity**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
OP-117 161300258-0001		Tan Non-Fibrous Homogeneous		95% Mica 5% Non-fibrous (other)	None Detected
OP-118 161300258-0002		Tan Non-Fibrous Homogeneous		95% Mica 5% Non-fibrous (other)	None Detected
OP-119 161300258-0003		Tan Non-Fibrous Homogeneous		95% Mica 5% Non-fibrous (other)	None Detected

Analyst(s)

Christopher Bovard (3)


 Richard Harding, Laboratory Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported 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. 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. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262

Initial report from 01/10/2013 13:59:06

Test Report PLM-7.16.0 Printed: 1/10/2013 2:28:00 PM

THIS IS THE LAST PAGE OF THE REPORT.

1



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

141300258

EMSL Analytical, Inc.

2001 East 52nd Street

Indianapolis, IN 46205

PHONE: (317) 803-2997

FAX: (317) 803-3047

Company : EPI		EMSL-Bill to: <input type="checkbox"/> Different <input checked="" type="checkbox"/> Same <small>If Bill to is Different note instructions in Comments**</small>	
Street: 16650 South Canal		<i>Third Party Billing requires written authorization from third party</i>	
City: South Holland	State/Province: IL	Zip/Postal Code: 60473	Country: United States
Report To (Name): John Best		Telephone #: 708-225-1115	
Email Address: jbest@environmental-epi.com		Fax #: 708-225-1117	Purchase Order:
Project Name/Number: 121221		Please Provide Results: <input type="checkbox"/> FAX <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Mail	
U.S. State Samples Taken: IL		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	

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.

PCM - Air <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input checked="" type="checkbox"/> w/ OSHA 8hr. TWA	TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input checked="" type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312	TEM- Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)
PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input checked="" type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)	TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input checked="" type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input checked="" type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	Soil/Rock/Vermiculite <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> TEM Qual. via Filtration Technique <input type="checkbox"/> TEM Qual. via Drop-Mount Technique Other: <input type="checkbox"/>

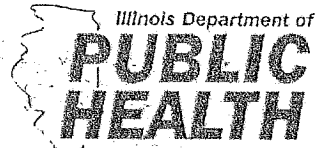
Check For Positive Stop - Clearly Identify Homogenous Group Filter Pore Size (Air Samples): 0.8µm 0.45µm

Samplers Name: John Best

Samplers Signature:

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
OP-117	Wall Insulation		
OP-118	Wall Insulation		
OP-119	Wall Insulation		

Client Sample # (s): OP-117 - OP-119	Total # of Samples: 3
Relinquished (Client):	Date: 1/8/13 Time:
Received (Lab):	Date: 1-9-13 Time: 10:15
Comments/Special Instructions: <small>Please see Paul Vieman with questions</small>	



**ASBESTOS
PROFESSIONAL
LICENSE**

ID NUMBER
100 - 10353

ISSUED
4/10/2012

EXPIRES
05/15/2013

JOHN A BEST JR.



WESTERN SPRINGS, IL 60558

Environmental Health

