

APPENDIX A

LIMITED PRE-DEMOLITION ASBESTOS INSPECTION REPORT

**LIMITED PRE-DEMOLITION
ASBESTOS INSPECTION REPORT**

**SITE:
JEFFERSON COUNTY HIGHWAY DEPARTMENT COMPLEX
141 W. WOOLCOCK STREET
JEFFERSON, WISCONSIN**

**PREPARED FOR:
JEFFERSON COUNTY HIGHWAY DEPARTMENT**

PREPARED BY:



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PROJECT REFERENCE #15216

FEBRUARY 2015

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1. INTRODUCTION

The Jefferson County Highway Department (County) retained The Sigma Group, Inc. (Sigma) to perform a limited pre-demolition asbestos inspection of the Jefferson County Highway Department Complex located at 141 W. Woolcock Street in Jefferson, Wisconsin. The complex includes 14 buildings/structures used for offices, vehicle maintenance, and material, salt, and vehicle storage (Figure 1). The County intends to demolish the structures to facilitate new construction. Asbestos inspection activities were described in Sigma's proposal dated January 12, 2015 and was performed January 20 – 29, 2015. The asbestos inspection included visual observation, material sampling and laboratory analysis of suspect asbestos-containing building materials (ACBM) in Buildings 1 through 14.

2. BACKGROUND AND PROJECT UNDERSTANDING

Jefferson County intends to demolish 14 buildings/structures at the complex to facilitate new construction. The complex includes numerous one to two story slab on grade buildings that are used for offices, garages, storage, warehouses, and salt storage. Building construction includes a mix of concrete block, brick, and wood and metal pole structures. One salt dome has concrete walls with a metal frame and synthetic fabric roof. Building construction dates range from approximately the 1930s to the 1990s. The facility was occupied on the dates and times of the inspection. Destructive sampling was limited to discrete areas. Materials and equipment were stored in the facility at the time of inspection. Floor plans were not available for all buildings prior to the inspection, therefore field sketches were prepared.

Pre-demolition asbestos inspections are required by the United States Environmental Protection Agency's (USEPA) National Emission Standards for Hazardous Air Pollutants (NESHAP) asbestos regulations (40 CFR 61, Subpart M) and the Wisconsin Department of Natural Resources (WDNR) Control of Asbestos Emissions (WAC Chapter NR 447). The owner is required to perform a thorough asbestos inspection of the affected facility or part of the facility where demolition will occur prior to commencement of the demolition.

3. SCOPE OF WORK

Sigma's scope of work included the following:

- Review of general site history and building use with the on-site representative. Previous asbestos information and building floor plans were not available.
- Visual inspection of all reasonably accessible areas within the above referenced structures and within the limits of demolition. Destructive investigation methods in discrete areas were employed to identify materials not readily visible but were very limited in occupied areas.
- The collection of bulk samples of select identified suspect asbestos containing-materials using appropriate sampling protocols and submitting collected samples to a National Voluntary Laboratory Accreditation Program (NVLAP) and/or American Industrial Hygiene Association (AIHA) approved laboratory for asbestos content analysis by USEPA polarized light microscopy (PLM) methodology. Point counting was performed on select samples.

- The physical assessment and documentation of the area of inspection including the type, location, condition and general quantities of identified ACBM.

The inspection scope of work specifically excluded the following:

- Large scale destructive sampling in occupied areas. Sampling of the following building systems was limited to discrete areas or not conducted:
 - Full penetration of some wall, floor, and ceiling systems in occupied areas.
 - Fire doors (metal clad).
- Energized building systems are excluded from the scope of this inspection. Energized building systems may include the following:
 - Electrical.
 - Boiler/furnace heating.
 - Mechanical (including but not limited to elevator, air handling units, and conveyors).

4. ASBESTOS SAMPLE COLLECTION AND ANALYSIS

State of Wisconsin certified asbestos inspectors, Mr. Dale Armbruster (All-156285), Mr. Philip Herout (All-216275), and Mr. Tom McCoy (All-117261), performed the pre-demolition asbestos inspection January 20 - 29, 2015. Appendix A provides a copy of the inspector's State of Wisconsin certification cards. The asbestos inspection was performed in substantial compliance with previously referenced USEPA NESHAP and WDNR regulations with the exception of items and/or areas listed in the Qualifications section of this report.

Sigma visually inspected building materials and obtained representative samples from readily accessible select homogeneous material of suspect ACBM. The samples were submitted under chain of custody to International Asbestos Testing Laboratories, Inc. (IATL) in Mount Laurel, New Jersey for asbestos analysis. Samples were analyzed using Polarized Light Microscopy (PLM) coupled with Dispersion Staining as outlined in the USEPA's, "*Method for the Determination of Asbestos in Bulk Building Material (EPA-600/R93/116)*". Samples identified using PLM analysis with less than 10 percent asbestos content were point counted in accordance with EPA-600/R-93/116.

5. SUMMARY OF RESULTS

Asbestos was identified within many of the buildings proposed for demolition. Homogenous materials were defined in the tables as: positive (POS) if asbestos was detected at greater than 1%; assumed to contain asbestos (ATC) if a suspect material was observed or may be present but could not be sampled; or negative (NEG) if asbestos was not detected in the samples. Materials determined to contain less than one percent asbestos by PLM point count analysis are identified with the designation "- (<1% asbestos)" in the material description and are defined as POS. While these materials are not regulated by the USEPA or WDNR, the Occupational Safety and Health Act OSHA still regulates these materials and requires that trained personnel with appropriate personal protective equipment handle the material.

The following materials were either determined or assumed to contain greater than one percent asbestos:

Building 1 – Office Building, Southeast

- MBR – Built up Roof (original flat roof hidden beneath gabled roof) - ATC
- MEP – Electrical Panel - ATC
- MF9-1 – 9" Floor Tile & Mastic, cream, tan - POS
- MFLC-1 – Floor Leveling Compound, white - POS
- MP – Roof Parapet (enclosed under gabled roof) - ATC
- MPG-1 – Window Pane Glazing - POS
- MPM-2 – Panel Mastic, dark brown on styrofoam/concrete block - POS
- MRF – Roof Flashing (enclosed under newer gabled roof) - ATC
- MSC – Sink Lining, pink - POS
- MTWR – Toilet Wax Ring - ATC
- 0-5" Fitting on Fiberglass - ATC
- 0-5" Magnesia Pipe Insulation - ATC

Building 2 – Warehouse/Storage Arched Roof, Southeast

- MC-1 – Caulk, black door - POS
- MC-2 – Caulk, white window - POS
- MC-3 – Caulk, white roof penetrations & seams - POS
(< 1% asbestos by PLM PC)
- MEJ – Expansion Joint, gray 0 POS
(ext. concrete slab/building foundation at entry)
- MEP – Electrical panel - ATC
- MPG-1 – Window Pane Glazing - POS
- MRT-1 – Roof Tar, black/gray seam - POS
- MST – Seam Tar, metal siding joints - POS

Building 3 – Warehouse/Storage Gabled Roof, Southeast

- Caulk, white, eaves-canopies/siding joints - POS
- Caulk, black ridge, roof peak metal cap - POS

Building 4 – Warehouse/Storage, Southwest

- MEP – Electrical Panel - ATC

Building 5 – Salt Storage, West Central

- No Asbestos Detected

Building 6 – Salt Storage, Northwest

- MEP – Electrical Panel, gray - ATC

Building 7 – Storage, Northwest

- MC-1 – Caulk, cream, interior wall insulation panel/concrete wall joint - POS
- MC-2 – Caulk, lt. tan, window-door - POS
- MC-5 – Caulk, cream, siding concrete seam, old - POS
- MC-6 – Caulk, tan, overhead door - POS
- MEP – Electrical Panel, gray - ATC
- MPG – Window Pane Glaze - POS

Building 8 - Salt Dome, Northwest)

- No Asbestos Detected

Building 9 - North

- MEP – Electrical Panel - ATC

Building 10 - Northeast

- MC-11 – Caulk, dark gray vent - POS
- MC-12 – Caulk, old white, exterior, window - POS
- MPG-1 – Window Pane Glazing, cream - POS
(< 1% asbestos by PLM PC)
- MRRS – Residual Roof System (potential built-up, flashing, parapet beneath new membrane) - ATC
- TF10F-1 – 6-10” Fitting on Fiberglass Pipe Insulation - POS

Building 11 - Northeast

- MBR-1 – Built Up Roof, black, arched/domed - POS
- MC-1 – Caulk, gray door - POS
- MC-8 – Caulk, gray, exterior window - POS
- MEP – Electrical Panels, gray - ATC
- MF12-1 – 12” Floor Tile & Mastic, cream w/gray flecks - POS
- MRF-1 – Roof Flashing, silver/gray - POS
- MRT-1 – Roof Tar, black penetration - POS
- MST – Parapet Seam Tape, gray - POS
- MTWR – Toilet Wax Ring - ATC

Building 12 (Northeast)

- MC-12 – Caulk, dark brown window - POS
- MC-13 – Caulk, white seam, roof - POS
- MC-4 – Caulk, white, wall, exterior, sticky at insulation/ext. wall - POS
- MC-5 – Caulk, brown, seam between concrete wall panel - POS
- MC-8 – Caulk, dark brown, panel underside, conc.wall/metal siding joint - POS
- MEP – Electrical Panel - ATC
- MRT-2 – Roof Tar, gray - POS
- MTWR – Toilet Wax Ring - ATC

Building 13 (Northeast)

- MC-1 – Caulk, brown, seam concrete wall & metal siding, perimeter - POS
- MEP – Electrical Panel – ATC

Building 14 (Northeast)

- MC-1 – Caulk, gray, door - POS
- MC-2 – Caulk, white, door - POS
- MEP – Electrical Panel - ATC
- MRRS – Residual Roof System (potential built-up, flashing, parapet beneath new membrane) - ATC
- TDW-1 – Paper Duct Wrap, white, - POS

Tables 1, 3, 4, and 5 provide the inspection material inventory, analytical results, and summary of materials and quantities identified or assumed to be ACM. Building locations are presented on Figure 1 and Figures 2, through 9 provide field sketches/floor plans for the 14 buildings. Laboratory Certificates of Analysis are provided in Appendix B. Photo documentation of each sample is provided in Appendix C.

6. REGULATORY DISCUSSION

The USEPA, WDNR, and Occupational Safety and Health Act (OSHA) regulate activities involving asbestos. The following provides a brief summary of the requirements specific to asbestos.

USEPA and WDNR

The NESHAP regulations authorized under the Clean Air Act and administered by the USEPA and the WDNR cover a wide variety of substances, including asbestos. NESHAP defines ACM that must be removed prior to demolition and/or renovation and those ACMs that can remain.

Friable

Friable asbestos material is defined as a material containing more than one percent asbestos that when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. All friable ACM must be removed prior to demolition or if it will be disturbed during renovation.

Category I

Non-friable Category I ACM is generally defined as packings, gaskets, resilient floor covering, and asphalt roofing containing more than one percent asbestos that when dry cannot be crumbled, pulverized, or reduced to powder by hand pressure.

Generally, Category I non-friable ACM in good condition may be left in place during demolition assuming that the substrate materials will not be recycled and the ACM will not be subject to cutting, grinding, or other methods that may cause the material to release asbestos fibers during demolition and material handling. Category I non-friable ACM must be removed if the material it is attached to will be recycled.

Category II

Non-friable Category II ACM is defined as any material, excluding Category I non-friable ACM, containing more than one percent asbestos that when dry cannot be crumbled, pulverized, or reduced to powder by hand pressure. In general, all Category II non-friable ACM must be removed prior to demolition or renovation.

RACM: NESHAP defines Regulated Asbestos Containing Material (RACM) as:

- Friable asbestos material; or
- Category I nonfriable ACM that has become friable; or
- Category I nonfriable ACM that will be or has been subject to sanding, grinding, cutting or abrading; or
- Category II nonfriable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations

With limited exceptions, Section NR 447.08 of the Wisconsin Administrative Code generally requires that all RACM be removed from a facility being demolished or renovated before any activity that would break up, dislodge, or similarly disturb the material or preclude access to the material for subsequent removal.

Chapter NR 447 also has specific requirements that pertain to the disposal of wastes containing asbestos.

In addition to the requirements stated above, a trained individual knowledgeable with the requirements of 40 CFR Part 61, Subpart M must be onsite during demolition and/or renovation activities and be available during normal business hours. If any ACBM material becomes damaged or rendered friable during demolition and/or renovation, proper abatement measures must be immediately initiated by appropriately trained State of Wisconsin certified abatement personnel.

OSHA

OSHA regulates employee exposure to hazardous conditions. 29 Code of Federal Regulations (CFR) 1926 regulates employee exposure to hazardous substances in the construction industry. 29 CFR 1926.1101 regulates activities which may impact materials containing asbestos. OSHA defines asbestos as chrysotile, amosite, crocidolite, tremolite asbestos, anthophyllite asbestos, actinolite asbestos, and any of these minerals that has been chemically treated and/or altered. While materials determined to contain asbestos at less than one percent are not classified as ACBM and are therefore not regulated by the USEPA and WDNR, OSHA does regulate activities involving these materials.

7. CONCLUSIONS AND RECOMMENDATIONS

Materials determined by laboratory analysis or assumed to contain greater than one percent asbestos were identified within 12 of the 14 buildings proposed for demolition. No ACBMs were detected in Buildings 5 and 8. The materials determined or assumed to contain greater than one percent asbestos are summarized on Table 4. All Friable and Category II Non-Friable materials must be removed prior to demolition. Category I Non-Friable materials with the potential to become friable during demolition (i.e. Category I Non-Friable materials in poor or fair condition) must also be removed prior to demolition. Finally, all ACBM must be removed from recyclable materials prior to recycling (i.e. metal, concrete, or masonry materials) or the materials must be disposed at a facility licensed to accept ACBM.

It is also recommended that the materials containing < 1% asbestos (*Building 2 - Roof Penetration and Roof Seam Caulk & Building 10 Window Pane Glaze*) be removed from any materials that are going to be recycled as OSHA notification, exposure monitoring, personal protection, and other appropriate handling and management procedures will apply for these materials. These materials may be disposed with the construction and demolition debris at a facility licensed to receive demolition waste.

8. QUALIFICATIONS OF REPORT

The findings and recommendations included herein are based on information obtained during the site visit and from previous experience. The limitations of the report and recommended actions are as follows:

Building - Specific Qualifications

Building 1 – Office Building on north side of Woolcock St.

- The gabled roof is a later installation on top of a previous flat roof. Flat roof building materials (built up roof, flashing, and parapet caulks/sealants) were not accessible and were not sampled and are therefore assumed to be present and to contain asbestos.
- Panel mastic (asbestos-containing) was observed behind wood wall paneling on the back side of styrofoam insulation. The insulation is adhered to concrete block walls. Paneling appeared to be fastened to furring strips with nails and the furring strips appeared to be nailed to block walls (based on small observation areas – but mastic could be present).
- Method of attaching interior wall frames to floor was not verified (mastic could be present)
- Concrete block was not opened to evaluate for the presence of vermiculite or other insulation.
- MF9- 9" floor tile may actually be 12". Large areas of carpet were not removed to verify floor tile size.
- Floor leveling compound in Room 108 may be in other locations. Quantity is estimated and could not be verified without removing all flooring materials.
- Additional thermal insulation and fittings may be hidden within the ceiling and walls.

Buildings 5 and 6 – Salt Storage

- The building was loaded with salt at time of inspection and limited observation of the entire floor system.

Building 10

- Additional thermal insulation and fittings may be hidden within the ceiling and walls.
- Residual roof flashing and built up roof from old roof system may be present beneath new roof membrane and if present should be assumed to contain asbestos or further sampled to evaluate asbestos content.

Building 11

- Additional thermal insulation and fittings may be hidden within the ceiling and walls.
- Building 11 has a new partial slanted roof with old inaccessible built-up roof and flashing system. The old roof is reportedly the same as the adjacent roof system that was sampled.

Building 14

- Additional thermal insulation and fittings may be hidden within the ceiling and walls.
- Residual roof flashing and built up roof from old roof system may be present beneath new roof membrane and if present should be assumed to contain asbestos or further sampled to evaluate asbestos content.

General Qualifications

- The material condition assessment reflects conditions at the date and time of the inspection. Material conditions may change due to age, use, maintenance, and other building conditions.
- Non-building components such as office equipment, chairs, desks, tables, cabinets, wall hangings, and other equipment and materials used or stored by the occupant excluded from the inspection.
- Homogeneous material samples were collected from reasonably accessible areas only. Larger scale destructive investigation methods **were not** employed to identify additional materials not readily visible. During abatement, demolition, renovation, and/or further inspection, a potential exists for encountering asbestos and/or other hazardous materials not previously identified to become revealed.
- Estimated quantities of ACBM should be considered a preliminary estimate of square footage, linear footage, or individual units for each material. Accurate pricing for abating identified ACBMs will be best realized following quantity verification and bidding by qualified abatement contractors. Unit pricing should be obtained for potentially hidden materials.
- Sigma did not evaluate energized heating and electrical components for asbestos content.

9. STATE AND LOCAL NOTIFICATION REQUIREMENTS

The WDNR and the Department of Health Services (DHS) require notification (WDNR Form 4500-113) at least ten working days prior to initiating asbestos abatement or demolition projects. The City of Jefferson should be consulted for applicability of additional local ordinances, codes, and permits.

TABLES

Inspection and sample results are summarized in the following tables.

Table 1 – Summary of all suspect materials (NEG, POS, ATC, and <1%) identified in each building with quantity totals for all POS and ATC Materials.

Table 3 – Summary of all suspect materials (NEG, POS, ATC, and <1%) identified in each room with quantity totals for all POS and ATC Materials. ACM category and condition are also included.

Table 4 – Summary of all POS/ATC materials in each room. Sorted by material with quantities and condition.

Table 5 – Summary of all samples collected in Building and Sample numerical order.

TABLE 1
SUMMARY OF BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
141 West Woolcock Street
Jefferson, Wisconsin
Project Reference #: 15216

Building: 01

Material Code	Material Description	ACM	Estimated Qty
MB8M-B1	8" BRICK & MORTAR - B1	NEG	
MBR-B1	BUILT UP ROOF - UNKNOWN - B1	ATC	1800 sf
MC-B1-1	CAULK - CREAM (DOOR) - B1	NEG	
MC-B1-2	CAULK - WHITE (BATHROOM) - B1	NEG	
MC-B1-3	CAULK - WHITE (EXT WINDOW) - B1	NEG	
MC-B1-4	CAULK - BROWN (WINDOW SILL) - B1	NEG	
MC-B1-5	CAULK - GRAY (EXT DOOR) - B1	NEG	
MCBM-B1	CONCRETE BLOCK MORTAR - B1	NEG	
MCM-B1-1	CARPET MASTIC - TAN - B1	NEG	
MCT-B1-1	CEILING TILE & MASTIC - 1' TAN - B1	NEG	
MCT-B1-2	CEILING TILE & MASTIC - 1' WHITE - B1	NEG	
MCTM-B1-1	CERAMIC TILE & MASTIC - 1"X1" & 2"X2" TAN, BROWN - B1	NEG	
MCTM-B1-2	CERAMIC TILE & MASTIC - 1" WHITE - B1	NEG	
MCTM-B1-3	CERAMIC TILE & MASTIC - 6" WHITE - B1	NEG	
MDWC-B1	DRYWALL & JOINT COMPOUND - B1	NEG	
MEJ-B1	EXPANSION JOINT - BROWN - B1	NEG	
MEP-B1	ELECTRICAL PANEL - B1	ATC	2 E
MF9-B1-1	9" FLOOR TILE & MASTIC - CREAM,TAN - B1 (Tile- POS; tan & blk Mastic NEG)	POS	1701 sf
MFLC-B1-1	FLOOR LEVELING COMPOUND - WHITE - B1	POS	200 sf
MFSP-B1-1	FIRE STOP PACKING - RED - B1	NEG	
MMP-B1-1	MORTAR PATCH - GRAY - B1	NEG	
MP-B1	ROOF PARAPET - ENCLOSED UNDER PEAKED ROOF, NOT OBSERVED, ATC - B1	ATC	150 lf
MPC-B1	CAULK - BLACK (PIPE PENETRATION ON EXT WALL) - B1	NEG	
MPG-B1-1	WINDOW PANE GLAZING - CREAM - B1	POS	75 lf
MPM-B1-1	PANEL MASTIC - TAN - B1	NEG	
MPM-B1-2	PANEL MASTIC - DK BROWN ON STYROFOAM/CONC. BLOCK - B1	POS	1040 sf
MRF-B1	ROOF FLASHING - B1	ATC	230 lf
MRS-B1	ROOF SHINGLE - BROWN - B1	NEG	
MSC-B1-1	SINK LINING - PINK - B1	POS	5 sf

Notes:
sf = Square Feet
lf = Linear Feet
E = Each

ATC = Assumed to contain asbestos
NEG = Asbestos content less than or equal to one percent
POS = Asbestos content greater than one percent

TABLE 1
SUMMARY OF BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
141 West Woolcock Street
Jefferson, Wisconsin
Project Reference #: 15216

Building: 01

Material Code	Material Description	ACM	Estimated Qty
MSCT-B1-1	SUSPENDED CEILING TILE - 2' WHITE HOLES & FISSURES - B1	NEG	
MSWT-B1	SUBWAY TILE - CREAM - B1	NEG	
MTWR-B11	TOILET WAX RING - ATC - B11	ATC	2 E
MV4-B1-1	4" VINYL BASEBOARD & MASTIC - BROWN - B1	NEG	
TF5F-B1	0-5" FITTING ON FIBERGLASS - B1	ATC	8 E
TM5-B1	0-5" MAGNESIA PIPE INSULATION - B1	ATC	65 lf

Building: 02

Material Code	Material Description	ACM	Estimated Qty
MC-B2-1	CAULK - BLACK DOOR - B2	POS	20 lf
MC-B2-2	CAULK - WHITE WINDOW - B2	POS	15 lf
MC-B2-3	CAULK - WHITE ROOF PENETRATION & SEAMS - B2 (<1% asbestos by PLM PC)	POS	230 lf
MEJ-B2	EXPANSION JOINT - GRAY - B2 (conc. slab entry)	POS	5 lf
MEP-B2	ELECTRICAL PANEL - B2	ATC	7 E
MIP-B2	INSULATION PAPER, BROWN & BLACK - B2	NEG	
MPG-B2-1	WINDOW PANE GLAZING - WHITE - B2	POS	75 lf
MRT-B2-1	ROOF TAR - BLACK/GRAY (SEAM) - B2	POS	900 sf
MST-B2	SEAM TAR - BLACK, - B2 (Metal Siding Joints)	POS	775 lf

Building: 03

Material Code	Material Description	ACM	Estimated Qty
MC-B3-1	CAULK - WHITE (EAVES) - B3 (Canopy/siding joints)	POS	20 lf
MC-B3-2	CAULK - BLACK (RIDGE) - B3 (Roof peak metal cap)	POS	320 lf
NSM-B3	NO SUSPECT MATERIAL - B3		

Building: 04

Material Code	Material Description	ACM	Estimated Qty
MEP-B4	ELECTRICAL PANEL - B4	ATC	2 E
NSM-B4	NO SUSPECT MATERIAL - B4		

Notes:
sf = Square Feet
lf = Linear Feet
E = Each

ATC = Assumed to contain asbestos
NEG = Asbestos content less than or equal to one percent
POS = Asbestos content greater than one percent

TABLE 1
SUMMARY OF BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 05

Material Code	Material Description	ACM	Estimated Qty
MRS-B5-1	ROOF SYSTEM - BROWN ASPHALT SHINGLE W/TAR PAPER - B5	NEG	

Building: 06

Material Code	Material Description	ACM	Estimated Qty
MEP-B6	ELECTRICAL PANEL - GRAY - B6	ATC	1 E
MRS-B6	ROOF SYSTEM - BROWN ASPHALT SHINGLE W/TAR PAPER - B6	NEG	
MTCW-B6	TAR COATING - BLACK ON WOOD - B6	NEG	

Building: 07

Material Code	Material Description	ACM	Estimated Qty
MC-B7-1	CAULK - CREAM (INT. WALL INSULATION PANEL/CONC. WALL JOINT) - B7	POS	560 lf
MC-B7-2	CAULK - LT TAN (WINDOW-DOOR) - B7	POS	1300 lf
MC-B7-3	CAULK - WHITE (DOOR - STICKY) - B7	NEG	
MC-B7-4	CAULK - WHITE (DOOR) - B7	NEG	
MC-B7-5	CAULK - CREAM (SIDING/CONCRETE WALL SEAM PERIMETER- OLD) - B7	POS	560 lf
MC-B7-6	CAULK - TAN (OVERHEAD DOOR) - B7	POS	5 lf
MC-B7-7	CAULK - DK BROWN (DOOR) - B7	NEG	
MEP-B7	ELECTRICAL PANEL - B7	ATC	3 E
MFBI-B7	FIBER BOARD INSULATION - B7	NEG	
MPG-B7	WINDOW PANE GLAZING - B7	POS	650 lf
MRS-B7-1	ROOF SYSTEM - BROWN ASPHALT SHINGLE W/TAR PAPER - B7	NEG	
MRT-B7-1	ROOF TAR - BLACK/GRAY (VENT) - B7	NEG	
MTC-B7-1	TAR COATING - EXT CONC WALL CRACKS	NEG	

Building: 08

Material Code	Material Description	ACM	Estimated Qty
MC-B8-1	CAULK - GRAY (MAN-DOOR) - B8	NEG	

Notes:
 sf = Square Feet
 lf = Linear Feet
 E = Each

ATC = Assumed to contain asbestos
 NEG = Asbestos content less than or equal to one percent
 POS = Asbestos content greater than one percent

TABLE 1
SUMMARY OF BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
141 West Woolcock Street
Jefferson, Wisconsin
Project Reference #: 15216

Building: 09

Material Code	Material Description	ACM	Estimated Qty
MEP-B9	ELECTRICAL PANEL - B9	ATC	1 E
NSM-B9	NO SUSPECT MATERIAL - B9		

Building: 10

Material Code	Material Description	ACM	Estimated Qty
MB8M-B10-1	8" BRICK & MORTAR - GRAY - B10	NEG	
MBR-B10-1	BUILT UP ROOF - BLACK - B10	NEG	
MC-B10-1	CAULK - GRAY - B10	NEG	
MC-B10-10	CAULK - WHITE DRAIN - B10	NEG	
MC-B10-11	CAULK - DK GRAY VENT - B10	POS	8 lf
MC-B10-12	CAULK - OLD WHITE EXT WINDOW - B10	POS	60 lf
MC-B10-4	CAULK - CREAM WINDOW - B10	NEG	
MCBM-B10-1	CONCRETE BLOCK MORTAR - B10	NEG	
MMP-B10-1	MORTAR PATCH - GRAY - B10	NEG	
MPG-B10-1	WINDOW PANE GLAZING - CREAM - B10 (<1% asbestos by PLM PC)	POS	280 lf
MRRS-B10-1	MISC RESIDUAL ROOF SYSTEM (POTENTIAL BUILT UP, FLASHING, PARAPET BENEATH NEW MEMBRANE) - B10	ATC	7200 sf
MSCT-B10-3	SUSPENDED CEILING TILE - 2X2 FOOT: WHITE FISSURES; PINHOLES - B10	NEG	
MSCT-B10-4	SUSPENDED CEILING TILE - SMOOTH SQUARE PATTERN - B10	NEG	
TF10F-B10-1	6-10" FITTING ON FIBERGLASS PIPE INSULATION - B10	POS	9 E

Notes:
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TABLE 1
SUMMARY OF BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
141 West Woolcock Street
Jefferson, Wisconsin
Project Reference #: 15216

Building: 11

Material Code	Material Description	ACM	Estimated Qty
MB8M-B11-1	8" BRICK & MORTAR - GRAY - B11	NEG	
MBR-B11-1	BUILT UP ROOF - BLACK - DOMED/ARCHED - B11	POS	8500 sf
MBR-B11-2	BUILT UP ROOF - BLACK - FLAT - B11	NEG	
MC-B11-1	CAULK - GRAY DOOR - B11	POS	80 lf
MC-B11-2	CAULK - WHITE DOOR - B11	NEG	
MC-B11-20	CAULK - WHITE PENETRATION - B11	NEG	
MC-B11-3	CAULK - BROWN DOOR - B11	NEG	
MC-B11-4	CAULK - CREAM WINDOW - B11	NEG	
MC-B11-5	CAULK - WHITE BATHROOM - B11	NEG	
MC-B11-6	CAULK - WHITE EXT DOOR - B11	NEG	
MC-B11-7	CAULK - WHITE EXT EAST - B11	NEG	
MC-B11-8	CAULK - GRAY EXT WINDOW - B11	POS	140 lf
MCBM-B11	CONCRETE BLOCK MORTAR - B11	NEG	
MCM-B11-1	CARPET MASTIC - TAN - B11	NEG	
MCTM-B11-1	CERAMIC TILE & MASTIC - 4" WHITE W/BROWN TRIM - B11 (Same as Bldg 12 MCTM-B12-1&2)	NEG	
MCTM-B11-2	CERAMIC TILE & MASTIC - 6"X6" BROWN - B11 (Same as Bldg 12 MCTM-B12-1&2)	NEG	
MDWC-B11-1	DRYWALL & JOINT COMPOUND - SMOOTH - B11	NEG	
MEJ-B11-1	EXPANSION JOINT - BROWN - B11	NEG	
MEP-B11-1	ELECTRICAL PANEL - GRAY - B11	ATC	23 E
MF12-B11-1	12" FLOOR TILE & MASTIC - CREAM W/GRAY FLECKS - B11 (Tile POS, Yellow Mastic NEG)	POS	900 sf
MFL-B11-1	LINOLEUM & MASTIC - TAN W/BROWN & GRAY SPECKS - B11	NEG	
MMP-B11-1	MORTAR PATCH - GRAY - B11	NEG	
MPG-B11-1	WINDOW PANE GLAZING - CREAM - B11	NEG	
MPM-B11-1	PANEL MASTIC - BROWN ON PLYWOOD ON SUBWAY TILE - B11	NEG	
MPM-B11-2	PANEL MASTIC - WHITE PANEL RESTROOM - B11	NEG	
MPRB-B11	PYRO BLOCK - B11	NEG	
MRF-B11-1	ROOF FLASHING - SILVER/GRAY - B11	POS	1500 sf
MRT-B11-1	ROOF TAR - BLACK PENETRATION - B11	POS	100 lf

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TABLE 1
SUMMARY OF BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
141 West Woolcock Street
Jefferson, Wisconsin
Project Reference #: 15216

Building: 11

Material Code	Material Description	ACM	Estimated Qty
MSCT-B11-1	SUSPENDED CEILING TILE - 2X2: WHITE W/PIN-HOLES - B11	NEG	
MSCT-B11-2	SUSPENDED CEILING TILE - 2X4 WHITE SMOOTH - B11	NEG	
MSCT-B11-3	SUSPENDED CEILING TILE - 2X2 FOOT: WHITE FISSURES; PINHOLES - B11	NEG	
MST-B11	PARAPET SEAM TAPE - GRAY - B11	POS	200 lf
MSWT-B11	SUBWAY TILE - BROWN OR CREAM - B11	NEG	
MTF-B11-1	TERRAZZO FLOOR - BROWN SINK - B11	NEG	
MTF-B11-2	TERRAZZO FLOOR - CREAM SHOWER - B11	NEG	
MTWR-B11	TOILET WAX RING - ATC - B11	ATC	5 E
MV4-B11-1	4" VINYL BASEBOARD & MASTIC - BROWN - B11	NEG	
MWG-B11-1	WINDOW GLAZE - CREAM - B11	NEG	
MWSC-B11	WALL SKIM COATING - B11	NEG	
SPI-C-B11	PLASTER - CEILING - B11	NEG	
TF5F-B11	0-5" FITTING ON FIBERGLASS - B11	NEG	

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TABLE 1
SUMMARY OF BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
141 West Woolcock Street
Jefferson, Wisconsin
Project Reference #: 15216

Building: 12

Material Code	Material Description	ACM	Estimated Qty
MAS-B12-1	ASPHALT SHINGLE - BLACK & GRAY - B12	NEG	
MB8M-B12	8" BRICK & MORTAR - B12	NEG	
MC-B12-1	CAULK - LT GRAY (DOOR, SEAM) - B12	NEG	
MC-B12-10	CAULK - WHITE (WALL PENETRATION) - B12	NEG	
MC-B12-11	CAULK - LT GRAY WINDOW	NEG	
MC-B12-12	CAULK - DK BROWN WINDOW	POS	50 lf
MC-B12-13	CAULK - WHITE SEAM, ROOF - B12	POS	40 lf
MC-B12-14	CAULK - WHITE (GUTTER, HARDER) - B12	NEG	
MC-B12-15	CAULK - CREAM (PENETRATION, ROOF) - B12	NEG	
MC-B12-2	CAULK - WHITE (LOCKER, URINAL) - B12	NEG	
MC-B12-3	CAULK - BROWN (WINDOWS) - B12	NEG	
MC-B12-4	CAULK - WHITE (STICKY AT INSULATION/EXT WALL) - B12	POS	20 lf
MC-B12-5	CAULK - BROWN (SEAM BETWEEN CONCRETE-WALL PANEL) - B12	POS	35 lf
MC-B12-6	CAULK - CREAM (DUCT) - B12	NEG	
MC-B12-7	CAULK - TAN (HORIZONTAL PANEL) - B12	NEG	
MC-B12-8	CAULK - DK BROWN (PANEL UNDERSIDE) - B12	POS	15 lf
MC-B12-9	CAULK - WHITE (PANEL UNDERSIDE) - B12	NEG	
MCBM-B12	CONCRETE BLOCK MORTAR - B12	NEG	
MCTM-B12-1	CERAMIC TILE & MASTIC - 6"X6" BROWN - B12 (same in Bldg 11)	NEG	
MCTM-B12-2	CERAMIC TILE & MASTIC - 4"X4" WHITE - B12 (same in Bldg 11)	NEG	
MDWC-B12	DRYWALL & JOINT COMPOUND - B12	NEG	
MEF-B12	EPOXY FLOORING - B12	NEG	
MEJ-B12	EXPANSION JOINT - BROWN FIBROUS - B12	NEG	
MEP-B12	ELECTRICAL PANEL - B12	ATC	13 E
MGBM-B12	GLASS BLOCK MORTAR - B12	NEG	
MPG-B12	WINDOW PANE GLAZING - TAN - B12	NEG	
MRT-B12-1	ROOF TAR - BLACK - B12	NEG	
MRT-B12-2	ROOF TAR - GRAY - B12	POS	60 sf
MSCT-B12-1	SUSPENDED CEILING TILE - 2'X4' SMOOTH - B12	NEG	
MTF-B12	TERRAZZO FLOOR - B12	NEG	

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TABLE 1
SUMMARY OF BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 12

Material Code	Material Description	ACM	Estimated Qty
MTWR-B12	TOILET WAX RING - ATC - B12	ATC	4 E
MVDC-B12-1	VINYL DUCT CONNECTOR - WHITE - B12	NEG	
MVDC-B12-2	VINYL DUCT CONNECTOR - BLACK - B12	NEG	
TDI-B12	INSULATION BLANKET - B12	NEG	
TF10F-B12	6-10" FITTING ON FIBERGLASS PIPE INSULATION - B12	NEG	
TF5F-B12	0-5" FITTING ON FIBERGLASS - B12	NEG	

Building: 13

Material Code	Material Description	ACM	Estimated Qty
MC-B13-1	CAULK - BROWN (SEAM BETWEEN CONCRETE AND METAL SIDING- PERIMETER) - B13	POS	390 lf
MC-B13-2	CAULK - WHITE (DOOR) - B13	NEG	
MC-B13-3	CAULK - TAN (HORIZONTAL PANEL) - B13	NEG	
MC-B13-4	CAULK - DK BROWN (PANEL UNDERSIDE) - B13	NEG	
MC-B13-5	CAULK - GRAY (EXT DOOR) - B13	NEG	
MC-B13-6	CAULK - CREAM (GUTTERS) - B13	NEG	
MC-B13-7	CAULK - WHITE (PENETRATIONS) - B13	NEG	
MCBM-B13	CONCRETE BLOCK MORTAR - B13	NEG	
MEJ-B13	EXPANSION JOINT - B13	NEG	
MEP-B13	ELECTRICAL PANEL - B13	ATC	5 E
MRT-B13-1	ROOF TAR - BLACK - B13	NEG	

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TABLE 1
SUMMARY OF BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
141 West Woolcock Street
Jefferson, Wisconsin
Project Reference #: 15216

Building: 14

Material Code	Material Description	ACM	Estimated Qty
MB8M-B14-1	8" BRICK & MORTAR - GRAY - B14	NEG	
MBR-B14-1	BUILT UP ROOF - BLACK - B14	NEG	
MC-B14-1	CAULK - GRAY DOOR - B14	POS	180 lf
MC-B14-2	CAULK - WHITE DOOR - B14	POS	20 lf
MC-B14-3	CAULK - BROWN DOOR - B14	NEG	
MC-B14-9	CAULK - GRAY SEAM - B14	NEG	
MCBM-B14	CONCRETE BLOCK MORTAR - B14	NEG	
MEJ-B14-1	EXPANSION JOINT - BROWN - B14	NEG	
MEP-B14-1	ELECTRICAL PANEL - GRAY - B14	ATC	3 E
MMP-B14-1	MORTAR PATCH - GRAY - B14	NEG	
MRRS-B14-1	MISC RESIDUAL ROOF SYSTEM (POTENTIAL BUILT UP, FLASHING, PARAPET BENEATH NEW MEMBRANE) - B14	ATC	3600 sf
MSCT-B14-5	SUSPENDED CEILING TILE - 2X4: WHITE TEXTURED - B14	NEG	
MVDC-B14-1	VINYL DUCT CONNECTOR - CREAM - B14	NEG	
TDI-B14-1	DUCT INSULATION INTERIOR - CREAM - B14	NEG	
TDW-B14-1	PAPER DUCT WRAP - WHITE - B14	POS	12 sf

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TABLE 3
SUMMARY OF BUILDING MATERIALS
Sorted by Building and Room

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 01

Room: 0101

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MF9-B1-1	9" FLOOR TILE & MASTIC - CREAM,TAN - B1 (Tile-POS; tan & blk Mastic NEG)	240 sf	POS	Category II	Good
MPM-B1-2	PANEL MASTIC - DK BROWN ON STYROFOAM/CONC. BLOCK - B1	1040 sf	POS	Category II	Good
MCT-B1-1	CEILING TILE & MASTIC - 1' TAN - B1		NEG		
MSCT-B1-1	SUSPENDED CEILING TILE - 2' WHITE HOLES & FISSURES - B1		NEG		
MSWT-B1	SUBWAY TILE - CREAM - B1		NEG		
MCM-B1-1	CARPET MASTIC - TAN - B1		NEG		

Room: 0102

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MF9-B1-1	9" FLOOR TILE & MASTIC - CREAM,TAN - B1 (Tile-POS; tan & blk Mastic NEG)	520 sf	POS	Category II	Good
MV4-B1-1	4" VINYL BASEBOARD & MASTIC - BROWN - B1		NEG		
MSWT-B1	SUBWAY TILE - CREAM - B1		NEG		
MCM-B1-1	CARPET MASTIC - TAN - B1		NEG		
MCBM-B1	CONCRETE BLOCK MORTAR - B1		NEG		
MC-B1-1	CAULK - CREAM (DOOR) - B1		NEG		
MCT-B1-2	CEILING TILE & MASTIC - 1' WHITE - B1		NEG		

Room: 0103

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MF9-B1-1	9" FLOOR TILE & MASTIC - CREAM,TAN - B1 (Tile-POS; tan & blk Mastic NEG)	56 sf	POS	Category II	Good
MCM-B1-1	CARPET MASTIC - TAN - B1		NEG		
MCT-B1-2	CEILING TILE & MASTIC - 1' WHITE - B1		NEG		

Room: 0104

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MF9-B1-1	9" FLOOR TILE & MASTIC - CREAM,TAN - B1 (Tile-POS; tan & blk Mastic NEG)	660 sf	POS	Category II	Good
MSWT-B1	SUBWAY TILE - CREAM - B1		NEG		
MV4-B1-1	4" VINYL BASEBOARD & MASTIC - BROWN - B1		NEG		
MC-B1-1	CAULK - CREAM (DOOR) - B1		NEG		
MCBM-B1	CONCRETE BLOCK MORTAR - B1		NEG		
MCM-B1-1	CARPET MASTIC - TAN - B1		NEG		
MCT-B1-2	CEILING TILE & MASTIC - 1' WHITE - B1		NEG		

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TABLE 3
SUMMARY OF BUILDING MATERIALS
Sorted by Building and Room

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 01

Room: 0105

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MTWR-B11	TOILET WAX RING - ATC - B11	1 E	ATC	Category I	Good
MC-B1-2	CAULK - WHITE (BATHROOM) - B1		NEG		
MCTM-B1-1	CERAMIC TILE & MASTIC - 1"X1" & 2"X2" TAN, BROWN - B1		NEG		
MDWC-B1	DRYWALL & JOINT COMPOUND - B1		NEG		
MPM-B1-1	PANEL MASTIC - TAN - B1		NEG		

Room: 0106

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MSC-B1-1	SINK LINING - PINK - B1	5 sf	POS	Category II	Good
MTWR-B11	TOILET WAX RING - ATC - B11	1 E	ATC	Category I	Good
MCM-B1-1	CARPET MASTIC - TAN - B1		NEG		
MSCT-B1-1	SUSPENDED CEILING TILE - 2' WHITE HOLES & FISSURES - B1		NEG		
MPM-B1-1	PANEL MASTIC - TAN - B1		NEG		
MDWC-B1	DRYWALL & JOINT COMPOUND - B1		NEG		
MCTM-B1-2	CERAMIC TILE & MASTIC - 1" WHITE - B1		NEG		
MCTM-B1-3	CERAMIC TILE & MASTIC - 6" WHITE - B1		NEG		

Room: 0107

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MEP-B1	ELECTRICAL PANEL - B1	2 E	ATC	Category II	Good
MMP-B1-1	MORTAR PATCH - GRAY - B1		NEG		
MPC-B1	CAULK - BLACK (PIPE PENETRATION ON EXT WALL) - B1		NEG		
MFSP-B1-1	FIRE STOP PACKING - RED - B1		NEG		
MCBM-B1	CONCRETE BLOCK MORTAR - B1		NEG		
MSWT-B1	SUBWAY TILE - CREAM - B1		NEG		

Room: 0108

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MFLC-B1-1	FLOOR LEVELING COMPOUND - WHITE - B1	200 sf	POS	Category II	Good
MCM-B1-1	CARPET MASTIC - TAN - B1		NEG		
MCT-B1-1	CEILING TILE & MASTIC - 1' TAN - B1		NEG		
MSCT-B1-1	SUSPENDED CEILING TILE - 2' WHITE HOLES & FISSURES - B1		NEG		
MSWT-B1	SUBWAY TILE - CREAM - B1		NEG		

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TABLE 3
SUMMARY OF BUILDING MATERIALS
Sorted by Building and Room

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 01

Room: 0109

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MF9-B1-1	9" FLOOR TILE & MASTIC - CREAM,TAN - B1 (Tile-POS; tan & blk Mastic NEG)	225 sf	POS	Category II	Good
MSWT-B1	SUBWAY TILE - CREAM - B1		NEG		
MCT-B1-1	CEILING TILE & MASTIC - 1' TAN - B1		NEG		
MCM-B1-1	CARPET MASTIC - TAN - B1		NEG		
MSCT-B1-1	SUSPENDED CEILING TILE - 2' WHITE HOLES & FISSURES - B1		NEG		

Room: 0ROOF

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MBR-B1	BUILT UP ROOF - UNKNOWN - B1	1800 sf	ATC	Category I	Good
MP-B1	ROOF PARAPET - ENCLOSED UNDER PEAKED ROOF, NOT OBSERVED, ATC - B1	150 lf	ATC	Category I	Good
MRF-B1	ROOF FLASHING - B1	230 lf	ATC	Category I	Good
MRS-B1	ROOF SHINGLE - BROWN - B1		NEG		

Room: ABOVE CEILING

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
TF5F-B1	0-5" FITTING ON FIBERGLASS - B1	8 E	ATC	Friable	Good
TM5-B1	0-5" MAGNESIA PIPE INSULATION - B1	65 lf	ATC	Friable	Good

Room: EXT. E

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MB8M-B1	8" BRICK & MORTAR - B1		NEG		
MC-B1-4	CAULK - BROWN (WINDOW SILL) - B1		NEG		
MC-B1-3	CAULK - WHITE (EXT WINDOW) - B1		NEG		

Room: EXT. N

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MB8M-B1	8" BRICK & MORTAR - B1		NEG		
MC-B1-3	CAULK - WHITE (EXT WINDOW) - B1		NEG		
MC-B1-4	CAULK - BROWN (WINDOW SILL) - B1		NEG		
MC-B1-5	CAULK - GRAY (EXT DOOR) - B1		NEG		
MEJ-B1	EXPANSION JOINT - BROWN - B1		NEG		

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TABLE 3
SUMMARY OF BUILDING MATERIALS
Sorted by Building and Room

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 01

Room: EXT. S

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B1-4	CAULK - BROWN (WINDOW SILL) - B1		NEG		
MC-B1-5	CAULK - GRAY (EXT DOOR) - B1		NEG		
MC-B1-3	CAULK - WHITE (EXT WINDOW) - B1		NEG		
MB8M-B1	8" BRICK & MORTAR - B1		NEG		
MEJ-B1	EXPANSION JOINT - BROWN - B1		NEG		

Room: EXT. W

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MPG-B1-1	WINDOW PANE GLAZING - CREAM - B1	75 lf	POS	Category II	Good
MB8M-B1	8" BRICK & MORTAR - B1		NEG		
MC-B1-3	CAULK - WHITE (EXT WINDOW) - B1		NEG		
MC-B1-4	CAULK - BROWN (WINDOW SILL) - B1		NEG		

Building: 02

Room: 0101

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B2-1	CAULK - BLACK DOOR - B2	20 lf	POS	Category I	Good
MEP-B2	ELECTRICAL PANEL - B2	7 E	ATC	Category II	Good

Room: 0102

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B2-2	CAULK - WHITE WINDOW - B2	15 lf	POS	Category I	Poor
MIP-B2	INSULATION PAPER, BROWN & BLACK - B2		NEG		

Room: 0201

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MST-B2	SEAM TAR - BLACK, - B2 (Metal Siding Joints)	50 lf	POS	Category I	Good

Room: 0ROOF

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MRT-B2-1	ROOF TAR - BLACK/GRAY (SEAM) - B2	900 sf	POS	Category II	Good
MC-B2-3	CAULK - WHITE ROOF PENETRATION & SEAMS - B2 (<1% asbestos by PLM PC)	230 lf	POS	Category I	Good

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**TABLE 3
SUMMARY OF BUILDING MATERIALS
Sorted by Building and Room**

Jefferson County Highway Complex
141 West Woolcock Street
Jefferson, Wisconsin
Project Reference #: 15216

Building: 02

Room: EXT. E

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MST-B2	SEAM TAR - BLACK, - B2 (Metal Siding Joints)	100 lf	POS	Category I	Fair

Room: EXT. N

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MPG-B2-1	WINDOW PANE GLAZING - WHITE - B2	25 lf	POS	Category II	Poor
MST-B2	SEAM TAR - BLACK, - B2 (Metal Siding Joints)	300 lf	POS	Category I	Good

Room: EXT. S

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MST-B2	SEAM TAR - BLACK, - B2 (Metal Siding Joints)	300 lf	POS	Category I	Fair

Room: EXT. W

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MST-B2	SEAM TAR - BLACK, - B2 (Metal Siding Joints)	25 lf	POS	Category I	Fair
MEJ-B2	EXPANSION JOINT - GRAY - B2 (conc. slab entry)	5 lf	POS	Category I	Fair
MPG-B2-1	WINDOW PANE GLAZING - WHITE - B2	50 lf	POS	Category II	Poor

Building: 03

Room: 0101

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
NSM-B3	NO SUSPECT MATERIAL - B3				

Room: 0ROOF

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B3-2	CAULK - BLACK (RIDGE) - B3 (Roof peak metal cap)	320 lf	POS	Category I	Fair

Room: EXT. E

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
NSM-B3	NO SUSPECT MATERIAL - B3				

Room: EXT. N

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B3-1	CAULK - WHITE (EAVES) - B3 (Canopy/siding joints)	15 lf	POS	Category I	Poor

Notes:

f = Square Feet
lf = Linear Feet
E = Each

ATC = Assumed to contain asbestos
NEG = Asbestos content less than or equal to one percent
POS = Asbestos content greater than one percent

TABLE 3
SUMMARY OF BUILDING MATERIALS
Sorted by Building and Room

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 03

Room: EXT. W

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B3-1	CAULK - WHITE (EAVES) - B3 (Canopy/siding joints)	5 lf	POS	Category I	Fair

Building: 04

Room: 0101

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MEP-B4	ELECTRICAL PANEL - B4	2 E	ATC	Category II	Good

Room: 0102

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
NSM-B4	NO SUSPECT MATERIAL - B4				

Room: EXTERIOR

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
NSM-B4	NO SUSPECT MATERIAL - B4				

Building: 05

Room: 0ROOF

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MRS-B5-1	ROOF SYSTEM - BROWN ASPHALT SHINGLE W/TAR PAPER - B5		NEG		

Building: 06

Room: 0ROOF

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MRS-B6	ROOF SYSTEM - BROWN ASPHALT SHINGLE W/TAR PAPER - B6		NEG		

Room: EXT. N

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MEP-B6	ELECTRICAL PANEL - GRAY - B6	1 E	ATC	Category II	Good

Room: EXTERIOR

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MTCW-B6	TAR COATING - BLACK ON WOOD - B6		NEG		

Building: 07

Notes:

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lf = Linear Feet

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TABLE 3
SUMMARY OF BUILDING MATERIALS
Sorted by Building and Room

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 07

Room: 0101

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B7-1	CAULK - CREAM (INT. WALL INSULATION PANEL/CONC. WALL JOINT) - B7	560 lf	POS	Category I	Fair
MC-B7-2	CAULK - LT TAN (WINDOW-DOOR) - B7	1300 lf	POS	Category I	Fair
MPG-B7	WINDOW PANE GLAZING - B7	650 lf	POS	Category I	Poor
MEP-B7	ELECTRICAL PANEL - B7	3 E	ATC	Category II	Good
MC-B7-3	CAULK - WHITE (DOOR - STICKY) - B7		NEG		
MFBI-B7	FIBER BOARD INSULATION - B7		NEG		

Room: 0ROOF

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MRT-B7-1	ROOF TAR - BLACK/GRAY (VENT) - B7		NEG		
MRS-B7-1	ROOF SYSTEM - BROWN ASPHALT SHINGLE W/TAR PAPER - B7		NEG		

Room: EXTERIOR

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B7-6	CAULK - TAN (OVERHEAD DOOR) - B7	5 lf	POS	Category I	Good
MC-B7-5	CAULK - CREAM (SIDING/CONCRETE WALL SEAM PERIMETER- OLD) - B7	560 lf	POS	Category I	Good
MC-B7-7	CAULK - DK BROWN (DOOR) - B7		NEG		
MTC-B7-1	TAR COATING - EXT CONC WALL CRACKS		NEG		
MC-B7-4	CAULK - WHITE (DOOR) - B7		NEG		

Building: 08

Room: EXTERIOR NE

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B8-1	CAULK - GRAY (MAN-DOOR) - B8		NEG		

Building: 09

Room: 0101

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MEP-B9	ELECTRICAL PANEL - B9	1 E	ATC	Category II	Good

Room: 0ROOF

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
NSM-B9	NO SUSPECT MATERIAL - B9				

Notes:

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**TABLE 3
SUMMARY OF BUILDING MATERIALS
Sorted by Building and Room**

**Jefferson County Highway Complex
141 West Woolcock Street
Jefferson, Wisconsin
Project Reference #: 15216**

Building: 10

Room: 0101

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
TF10F-B10-1	6-10" FITTING ON FIBERGLASS PIPE INSULATION - B10	3 E	POS	Friable	Good
MC-B10-4	CAULK - CREAM WINDOW - B10		NEG		
MB8M-B10-1	8" BRICK & MORTAR - GRAY - B10		NEG		
MCBM-B10-1	CONCRETE BLOCK MORTAR - B10		NEG		
MC-B10-1	CAULK - GRAY - B10		NEG		

Room: 0102

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
TF10F-B10-1	6-10" FITTING ON FIBERGLASS PIPE INSULATION - B10	6 E	POS	Friable	Good
MB8M-B10-1	8" BRICK & MORTAR - GRAY - B10		NEG		
MMP-B10-1	MORTAR PATCH - GRAY - B10		NEG		
MSCT-B10-3	SUSPENDED CEILING TILE - 2X2 FOOT: WHITE FISSURES; PINHOLES - B10		NEG		
MSCT-B10-4	SUSPENDED CEILING TILE - SMOOTH SQUARE PATTERN - B10		NEG		

Room: 0103

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MB8M-B10-1	8" BRICK & MORTAR - GRAY - B10		NEG		

Room: 0ROOF

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MRRS-B10-1	MISC RESIDUAL ROOF SYSTEM (POTENTIAL BUILT UP, FLASHING, PARAPET BENEATH NEW MEMBRANE) - B10	7200 sf	ATC	Category I	Good
MBR-B10-1	BUILT UP ROOF - BLACK - B10		NEG		

Room: EXT E

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B10-12	CAULK - OLD WHITE EXT WINDOW - B10	60 lf	POS	Category I	Poor
MPG-B10-1	WINDOW PANE GLAZING - CREAM - B10 (<1% asbestos by PLM PC)	160 lf	POS	Category II	Fair
MB8M-B10-1	8" BRICK & MORTAR - GRAY - B10		NEG		

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TABLE 3
SUMMARY OF BUILDING MATERIALS
Sorted by Building and Room

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 10

Room: EXT N

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B10-11	CAULK - DK GRAY VENT - B10	8 lf	POS	Category I	Good
MPG-B10-1	WINDOW PANE GLAZING - CREAM - B10 (<1% asbestos by PLM PC)	120 lf	POS	Category II	Good
MB8M-B10-1	8" BRICK & MORTAR - GRAY - B10		NEG		
MC-B10-10	CAULK - WHITE DRAIN - B10		NEG		
MMP-B10-1	MORTAR PATCH - GRAY - B10		NEG		

Building: 11

Room: 0101

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B11-1	CAULK - GRAY DOOR - B11	15 lf	POS	Category I	Good
MF12-B11-1	12" FLOOR TILE & MASTIC - CREAM W/GRAY FLECKS - B11 (Tile POS, Yellow Mastic NEG)	900 sf	POS	Category I	Good
MSCT-B11-1	SUSPENDED CEILING TILE - 2X2: WHITE W/PIN-HOLES - B11		NEG		
MSWT-B11	SUBWAY TILE - BROWN OR CREAM - B11		NEG		
MV4-B11-1	4" VINYL BASEBOARD & MASTIC - BROWN - B11		NEG		
MWG-B11-1	WINDOW GLAZE - CREAM - B11		NEG		
SPI-C-B11	PLASTER - CEILING - B11		NEG		
MCM-B11-1	CARPET MASTIC - TAN - B11		NEG		

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TABLE 3
SUMMARY OF BUILDING MATERIALS
Sorted by Building and Room

Jefferson County Highway Complex
141 West Woolcock Street
Jefferson, Wisconsin
Project Reference #: 15216

Building: 11

Room: 0102

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MTWR-B11	TOILET WAX RING - ATC - B11	5 E	ATC	Category I	Good
MCTM-B11-1	CERAMIC TILE & MASTIC - 4" WHITE W/BROWN TRIM - B11 (Same as Bldg 12 MCTM-B12-1&2)		NEG		
MTF-B11-2	TERRAZZO FLOOR - CREAM SHOWER - B11		NEG		
MTF-B11-1	TERRAZZO FLOOR - BROWN SINK - B11		NEG		
MSWT-B11	SUBWAY TILE - BROWN OR CREAM - B11		NEG		
MSCT-B11-2	SUSPENDED CEILING TILE - 2X4 WHITE SMOOTH - B11		NEG		
MPM-B11-2	PANEL MASTIC - WHITE PANEL RESTROOM - B11		NEG		
MPG-B11-1	WINDOW PANE GLAZING - CREAM - B11		NEG		
MFL-B11-1	LINOLEUM & MASTIC - TAN W/BROWN & GRAY SPECKS - B11		NEG		
MCTM-B11-2	CERAMIC TILE & MASTIC - 6"X6" BROWN - B11 (Same as Bldg 12 MCTM-B12-1&2)		NEG		
MC-B11-5	CAULK - WHITE BATHROOM - B11		NEG		
MC-B11-2	CAULK - WHITE DOOR - B11		NEG		
TF5F-B11	0-5" FITTING ON FIBERGLASS - B11		NEG		
MDWC-B11-1	DRYWALL & JOINT COMPOUND - SMOOTH - B11		NEG		
SPI-C-B11	PLASTER - CEILING - B11		NEG		

Room: 0103

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B11-1	CAULK - GRAY DOOR - B11	45 lf	POS	Category I	Good
MEP-B11-1	ELECTRICAL PANEL - GRAY - B11	17 E	ATC	Category II	Good
MSWT-B11	SUBWAY TILE - BROWN OR CREAM - B11		NEG		
MWSC-B11	WALL SKIM COATING - B11		NEG		
MPRB-B11	PYRO BLOCK - B11		NEG		
MPM-B11-1	PANEL MASTIC - BROWN ON PLYWOOD ON SUBWAY TILE - B11		NEG		
MEJ-B11-1	EXPANSION JOINT - BROWN - B11		NEG		
MCBM-B11	CONCRETE BLOCK MORTAR - B11		NEG		
MC-B11-2	CAULK - WHITE DOOR - B11		NEG		

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**TABLE 3
SUMMARY OF BUILDING MATERIALS
Sorted by Building and Room**

**Jefferson County Highway Complex
141 West Woolcock Street
Jefferson, Wisconsin
Project Reference #: 15216**

Building: 11

Room: 0104

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B11-1	CAULK - GRAY DOOR - B11	20 lf	POS	Category I	Good
MEP-B11-1	ELECTRICAL PANEL - GRAY - B11	5 E	ATC	Category II	Good
MC-B11-3	CAULK - BROWN DOOR - B11		NEG		
MCBM-B11	CONCRETE BLOCK MORTAR - B11		NEG		
MB8M-B11-1	8" BRICK & MORTAR - GRAY - B11		NEG		

Room: 0201

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MSWT-B11	SUBWAY TILE - BROWN OR CREAM - B11		NEG		
MPG-B11-1	WINDOW PANE GLAZING - CREAM - B11		NEG		
SPI-C-B11	PLASTER - CEILING - B11		NEG		
MC-B11-4	CAULK - CREAM WINDOW - B11		NEG		
MCBM-B11	CONCRETE BLOCK MORTAR - B11		NEG		
MMP-B11-1	MORTAR PATCH - GRAY - B11		NEG		

Room: 0202

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MDWC-B11-1	DRYWALL & JOINT COMPOUND - SMOOTH - B11		NEG		
MSCT-B11-3	SUSPENDED CEILING TILE - 2X2 FOOT: WHITE FISSURES; PINHOLES - B11		NEG		
MSWT-B11	SUBWAY TILE - BROWN OR CREAM - B11		NEG		
MB8M-B11-1	8" BRICK & MORTAR - GRAY - B11		NEG		

Room: 0203

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MDWC-B11-1	DRYWALL & JOINT COMPOUND - SMOOTH - B11		NEG		
MSCT-B11-3	SUSPENDED CEILING TILE - 2X2 FOOT: WHITE FISSURES; PINHOLES - B11		NEG		
MSWT-B11	SUBWAY TILE - BROWN OR CREAM - B11		NEG		

Room: 0204

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MEP-B11-1	ELECTRICAL PANEL - GRAY - B11	1 E	ATC	Category II	Good
MSWT-B11	SUBWAY TILE - BROWN OR CREAM - B11		NEG		
MB8M-B11-1	8" BRICK & MORTAR - GRAY - B11		NEG		
MDWC-B11-1	DRYWALL & JOINT COMPOUND - SMOOTH - B11		NEG		

Notes:

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TABLE 3
SUMMARY OF BUILDING MATERIALS
Sorted by Building and Room

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 11

Room: 0ROOF

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MBR-B11-1	BUILT UP ROOF - BLACK - DOMED/ARCHED - B11	8500 sf	POS	Category I	Good
MRF-B11-1	ROOF FLASHING - SILVER/GRAY - B11	1500 sf	POS	Category I	Good
MRT-B11-1	ROOF TAR - BLACK PENETRATION - B11	100 lf	POS	Category I	Good
MST-B11	PARAPET SEAM TAPE - GRAY - B11	200 lf	POS	Category II	Good
MBR-B11-2	BUILT UP ROOF - BLACK - FLAT - B11		NEG		
MC-B11-20	CAULK - WHITE PENETRATION - B11		NEG		

Room: EXT E

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B11-8	CAULK - GRAY EXT WINDOW - B11	140 lf	POS	Category I	Good
MC-B11-7	CAULK - WHITE EXT EAST - B11		NEG		
MC-B11-6	CAULK - WHITE EXT DOOR - B11		NEG		
MB8M-B11-1	8" BRICK & MORTAR - GRAY - B11		NEG		
MCBM-B11	CONCRETE BLOCK MORTAR - B11		NEG		

Room: EXT W

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MB8M-B11-1	8" BRICK & MORTAR - GRAY - B11		NEG		
MC-B11-3	CAULK - BROWN DOOR - B11		NEG		
MC-B11-6	CAULK - WHITE EXT DOOR - B11		NEG		
MMP-B11-1	MORTAR PATCH - GRAY - B11		NEG		

Building: 12

Room: 0101

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MEP-B12	ELECTRICAL PANEL - B12	3 E	ATC	Category II	Good
MC-B12-1	CAULK - LT GRAY (DOOR, SEAM) - B12		NEG		
TF5F-B12	0-5" FITTING ON FIBERGLASS - B12		NEG		
MCBM-B12	CONCRETE BLOCK MORTAR - B12		NEG		
MB8M-B12	8" BRICK & MORTAR - B12		NEG		
MEJ-B12	EXPANSION JOINT - BROWN FIBROUS - B12		NEG		

Notes:

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TABLE 3
SUMMARY OF BUILDING MATERIALS
Sorted by Building and Room

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 12

Room: 0102

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MTWR-B12	TOILET WAX RING - ATC - B12	4 E	ATC	Category I	Good
MEF-B12	EPOXY FLOORING - B12		NEG		
MPG-B12	WINDOW PANE GLAZING - TAN - B12		NEG		
MSCT-B12-1	SUSPENDED CEILING TILE - 2'X4' SMOOTH - B12		NEG		
MGBM-B12	GLASS BLOCK MORTAR - B12		NEG		
MCTM-B12-2	CERAMIC TILE & MASTIC - 4"X4" WHITE - B12 (same in Bldg 11)		NEG		
MTF-B12	TERRAZZO FLOOR - B12		NEG		
MCTM-B12-1	CERAMIC TILE & MASTIC - 6"X6" BROWN - B12 (same in Bldg 11)		NEG		
MC-B12-2	CAULK - WHITE (LOCKER, URINAL) - B12		NEG		
MC-B12-1	CAULK - LT GRAY (DOOR, SEAM) - B12		NEG		
MDWC-B12	DRYWALL & JOINT COMPOUND - B12		NEG		

Room: 0103

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MEP-B12	ELECTRICAL PANEL - B12	5 E	ATC	Category II	Good
MC-B12-1	CAULK - LT GRAY (DOOR, SEAM) - B12		NEG		
MCBM-B12	CONCRETE BLOCK MORTAR - B12		NEG		
TF5F-B12	0-5" FITTING ON FIBERGLASS - B12		NEG		

Room: 0104

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MCBM-B12	CONCRETE BLOCK MORTAR - B12		NEG		
MEJ-B12	EXPANSION JOINT - BROWN FIBROUS - B12		NEG		
MC-B12-1	CAULK - LT GRAY (DOOR, SEAM) - B12		NEG		

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TABLE 3
SUMMARY OF BUILDING MATERIALS
Sorted by Building and Room

Jefferson County Highway Complex
141 West Woolcock Street
Jefferson, Wisconsin
Project Reference #: 15216

Building: 12

Room: 0105

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B12-5	CAULK - BROWN (SEAM BETWEEN CONCRETE-WALL PANEL) - B12	35 lf	POS	Category I	Good
MEP-B12	ELECTRICAL PANEL - B12	3 E	ATC	Category II	Good
MC-B12-1	CAULK - LT GRAY (DOOR, SEAM) - B12		NEG		
MC-B12-2	CAULK - WHITE (LOCKER, URINAL) - B12		NEG		
MCBM-B12	CONCRETE BLOCK MORTAR - B12		NEG		
MEJ-B12	EXPANSION JOINT - BROWN FIBROUS - B12		NEG		
TF5F-B12	0-5" FITTING ON FIBERGLASS - B12		NEG		
MB8M-B12	8" BRICK & MORTAR - B12		NEG		

Room: 0106

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MEP-B12	ELECTRICAL PANEL - B12	1 E	ATC	Category II	Good
MB8M-B12	8" BRICK & MORTAR - B12		NEG		
TF5F-B12	0-5" FITTING ON FIBERGLASS - B12		NEG		
MC-B12-1	CAULK - LT GRAY (DOOR, SEAM) - B12		NEG		
MC-B12-6	CAULK - CREAM (DUCT) - B12		NEG		
MCBM-B12	CONCRETE BLOCK MORTAR - B12		NEG		

Room: 0201

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B12-4	CAULK - WHITE (STICKY AT INSULATION/EXT WALL) - B12	20 lf	POS	Category I	Good
TDI-B12	INSULATION BLANKET - B12		NEG		
TF10F-B12	6-10" FITTING ON FIBERGLASS PIPE INSULATION - B12		NEG		
MVDC-B12-2	VINYL DUCT CONNECTOR - BLACK - B12		NEG		
MVDC-B12-1	VINYL DUCT CONNECTOR - WHITE - B12		NEG		
MC-B12-3	CAULK - BROWN (WINDOWS) - B12		NEG		
MC-B12-2	CAULK - WHITE (LOCKER, URINAL) - B12		NEG		
TF5F-B12	0-5" FITTING ON FIBERGLASS - B12		NEG		

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TABLE 3
SUMMARY OF BUILDING MATERIALS
Sorted by Building and Room

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 12

Room: 0ROOF

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B12-13	CAULK - WHITE SEAM, ROOF - B12	40 lf	POS	Category I	Good
MRT-B12-2	ROOF TAR - GRAY - B12	60 sf	POS	Category II	Good
MAS-B12-1	ASPHALT SHINGLE - BLACK & GRAY - B12		NEG		
MC-B12-14	CAULK - WHITE (GUTTER, HARDER) - B12		NEG		
MC-B12-15	CAULK - CREAM (PENETRATION, ROOF) - B12		NEG		
MRT-B12-1	ROOF TAR - BLACK - B12		NEG		

Room: EXT. E

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B12-12	CAULK - DK BROWN WINDOW	50 lf	POS	Category I	Good
MC-B12-9	CAULK - WHITE (PANEL UNDERSIDE) - B12		NEG		
MC-B12-7	CAULK - TAN (HORIZONTAL PANEL) - B12		NEG		
MC-B12-10	CAULK - WHITE (WALL PENETRATION) - B12		NEG		
MC-B12-11	CAULK - LT GRAY WINDOW		NEG		

Room: EXT. S

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B12-8	CAULK - DK BROWN (PANEL UNDERSIDE) - B12	15 lf	POS	Category I	Good
MEP-B12	ELECTRICAL PANEL - B12	1 E	ATC	Category II	Good
MC-B12-1	CAULK - LT GRAY (DOOR, SEAM) - B12		NEG		
MC-B12-7	CAULK - TAN (HORIZONTAL PANEL) - B12		NEG		

Room: EXT. W

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MEJ-B12	EXPANSION JOINT - BROWN FIBROUS - B12		NEG		
MC-B12-7	CAULK - TAN (HORIZONTAL PANEL) - B12		NEG		
MC-B12-9	CAULK - WHITE (PANEL UNDERSIDE) - B12		NEG		

Building: 13

Notes:

f = Square Feet
 lf = Linear Feet
 E = Each

ATC = Assumed to contain asbestos
 NEG = Asbestos content less than or equal to one percent
 POS = Asbestos content greater than one percent

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TABLE 3
SUMMARY OF BUILDING MATERIALS
Sorted by Building and Room

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 13

Room: 0101

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B13-1	CAULK - BROWN (SEAM BETWEEN CONCRETE AND METAL SIDING- PERIMETER) - B13	390 lf	POS	Category I	Good
MEP-B13	ELECTRICAL PANEL - B13	5 E	ATC	Category II	Good
MCBM-B13	CONCRETE BLOCK MORTAR - B13		NEG		
MEJ-B13	EXPANSION JOINT - B13		NEG		
MC-B13-2	CAULK - WHITE (DOOR) - B13		NEG		

Room: 0ROOF

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B13-6	CAULK - CREAM (GUTTERS) - B13		NEG		
MC-B13-7	CAULK - WHITE (PENETRATIONS) - B13		NEG		
MRT-B13-1	ROOF TAR - BLACK - B13		NEG		

Room: EXT. E

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B13-4	CAULK - DK BROWN (PANEL UNDERSIDE) - B13		NEG		
MC-B13-5	CAULK - GRAY (EXT DOOR) - B13		NEG		
MC-B13-3	CAULK - TAN (HORIZONTAL PANEL) - B13		NEG		

Room: EXT. N

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B13-3	CAULK - TAN (HORIZONTAL PANEL) - B13		NEG		
MC-B13-4	CAULK - DK BROWN (PANEL UNDERSIDE) - B13		NEG		
MC-B13-5	CAULK - GRAY (EXT DOOR) - B13		NEG		
MEJ-B13	EXPANSION JOINT - B13		NEG		

Room: EXT. S

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B13-3	CAULK - TAN (HORIZONTAL PANEL) - B13		NEG		
MC-B13-4	CAULK - DK BROWN (PANEL UNDERSIDE) - B13		NEG		
MC-B13-5	CAULK - GRAY (EXT DOOR) - B13		NEG		

Notes:

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TABLE 3
SUMMARY OF BUILDING MATERIALS
Sorted by Building and Room

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 13

Room: EXT. W

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B13-3	CAULK - TAN (HORIZONTAL PANEL) - B13		NEG		
MC-B13-4	CAULK - DK BROWN (PANEL UNDERSIDE) - B13		NEG		
MC-B13-2	CAULK - WHITE (DOOR) - B13		NEG		

Building: 14

Room: 0101

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
TDW-B14-1	PAPER DUCT WRAP - WHITE - B14	12 sf	POS	Friable	Good
MC-B14-1	CAULK - GRAY DOOR - B14	100 lf	POS	Category I	Good
MEP-B14-1	ELECTRICAL PANEL - GRAY - B14	3 E	ATC	Category II	Good
MCBM-B14	CONCRETE BLOCK MORTAR - B14		NEG		
MEJ-B14-1	EXPANSION JOINT - BROWN - B14		NEG		
MMP-B14-1	MORTAR PATCH - GRAY - B14		NEG		
MVDC-B14-1	VINYL DUCT CONNECTOR - CREAM - B14		NEG		
TDI-B14-1	DUCT INSULATION INTERIOR - CREAM - B14		NEG		
MB8M-B14-1	8" BRICK & MORTAR - GRAY - B14		NEG		

Room: 0102

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B14-1	CAULK - GRAY DOOR - B14	40 lf	POS	Category I	Good
MCBM-B14	CONCRETE BLOCK MORTAR - B14		NEG		
MEJ-B14-1	EXPANSION JOINT - BROWN - B14		NEG		
MSCT-B14-5	SUSPENDED CEILING TILE - 2X4: WHITE TEXTURED - B14		NEG		

Room: 0103

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B14-1	CAULK - GRAY DOOR - B14	20 lf	POS	Category I	Good
MCBM-B14	CONCRETE BLOCK MORTAR - B14		NEG		
MEJ-B14-1	EXPANSION JOINT - BROWN - B14		NEG		
MSCT-B14-5	SUSPENDED CEILING TILE - 2X4: WHITE TEXTURED - B14		NEG		

Notes:

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TABLE 3
SUMMARY OF BUILDING MATERIALS
Sorted by Building and Room

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 14

Room: 0104

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MEJ-B14-1	EXPANSION JOINT - BROWN - B14		NEG		
MMP-B14-1	MORTAR PATCH - GRAY - B14		NEG		
MCBM-B14	CONCRETE BLOCK MORTAR - B14		NEG		

Room: 0ROOF

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MRRS-B14-1	MISC RESIDUAL ROOF SYSTEM (POTENTIAL BUILT UP, FLASHING, PARAPET BENEATH NEW MEMBRANE) - B14	3600 sf	ATC	Category I	Good
MBR-B14-1	BUILT UP ROOF - BLACK - B14		NEG		

Room: EXT N

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MB8M-B14-1	8" BRICK & MORTAR - GRAY - B14		NEG		
MC-B14-9	CAULK - GRAY SEAM - B14		NEG		

Room: EXT W

Material Code	Material Description	Estimated Qty	ACM	Category	Condition
MC-B14-1	CAULK - GRAY DOOR - B14	20 lf	POS	Category I	Good
MC-B14-2	CAULK - WHITE DOOR - B14	20 lf	POS	Category I	Good
MC-B14-9	CAULK - GRAY SEAM - B14		NEG		
MB8M-B14-1	8" BRICK & MORTAR - GRAY - B14		NEG		
MC-B14-3	CAULK - BROWN DOOR - B14		NEG		

Notes:

f = Square Feet
 lf = Linear Feet
 E = Each

ATC = Assumed to contain asbestos
 NEG = Asbestos content less than or equal to one percent
 POS = Asbestos content greater than one percent

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TABLE 4
SUMMARY OF ASBESTOS-CONTAINING BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 01

Material Code: MBR-B1

Material Description: BUILT UP ROOF - UNKNOWN - B1

Category: Category I

Room #	ACM	Estimated Quantity	Condition
0ROOF	ATC	1800 sf	Good
		Total 1800 sf	

Material Code: MEP-B1

Material Description: ELECTRICAL PANEL - B1

Category: Category II

Room #	ACM	Estimated Quantity	Condition
0107	ATC	2 E	Good
		Total 2 E	

Material Code: MF9-B1-1

Material Description: 9" FLOOR TILE & MASTIC - CREAM,TAN - B1 (Tile-POS; tan & blk

Category: Category II

Room #	ACM	Estimated Quantity	Condition
0101	POS	240 sf	Good
0102	POS	520 sf	Good
0103	POS	56 sf	Good
0104	POS	660 sf	Good
0109	POS	225 sf	Good
		Total 1701 sf	

Notes:

sf = Square Feet

lf = Linear Feet

E = Each

POS = Asbestos content greater than one percent

TABLE 4
SUMMARY OF ASBESTOS-CONTAINING BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 01

Material Code: MFLC-B1-1
Material Description: FLOOR LEVELING COMPOUND - WHITE - B1
Category: Category II

Room #	ACM	Estimated Quantity	Condition
0108	POS	200 sf	Good
		Total 200 sf	

Material Code: MP-B1
Material Description: ROOF PARAPET - ENCLOSED UNDER PEAKED ROOF, NOT OBSE
Category: Category I

Room #	ACM	Estimated Quantity	Condition
0ROOF	ATC	150 lf	Good
		Total 150 lf	

Material Code: MPG-B1-1
Material Description: WINDOW PANE GLAZING - CREAM - B1
Category: Category II

Room #	ACM	Estimated Quantity	Condition
EXT. W	POS	75 lf	Good
		Total 75 lf	

Material Code: MPM-B1-2
Material Description: PANEL MASTIC - DK BROWN ON STYROFOAM/CONC. BLOCK - B1
Category: Category II

Room #	ACM	Estimated Quantity	Condition
0101	POS	1040 sf	Good
		Total 1040 sf	

Notes:
 sf = Square Feet POS = Asbestos content greater than one percent
 lf = Linear Feet
 E = Each

TABLE 4
SUMMARY OF ASBESTOS-CONTAINING BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 01

Material Code: MRF-B1
Material Description: ROOF FLASHING - B1
Category: Category I

Room #	ACM	Estimated Quantity	Condition
0ROOF	ATC	230 lf	Good
		Total	
		230 lf	

Material Code: MSC-B1-1
Material Description: SINK LINING - PINK - B1
Category: Category II

Room #	ACM	Estimated Quantity	Condition
0106	POS	5 sf	Good
		Total	
		5 sf	

Material Code: TF5F-B1
Material Description: 0-5" FITTING ON FIBERGLASS - B1
Category: Friable

Room #	ACM	Estimated Quantity	Condition
ABOVE CEILING	ATC	8 E	Good
		Total	
		8 E	

Material Code: TM5-B1
Material Description: 0-5" MAGNESIA PIPE INSULATION - B1
Category: Friable

Room #	ACM	Estimated Quantity	Condition
ABOVE CEILING	ATC	65 lf	Good
		Total	
		65 lf	

Notes:
 sf = Square Feet POS = Asbestos content greater than one percent
 lf = Linear Feet
 E = Each

TABLE 4
SUMMARY OF ASBESTOS-CONTAINING BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 02

Material Code: MC-B2-1
Material Description: CAULK - BLACK DOOR - B2
Category: Category I

Room #	ACM	Estimated Quantity	Condition
0101	POS	20 lf	Good
		Total	
		20 lf	

Material Code: MC-B2-2
Material Description: CAULK - WHITE WINDOW - B2
Category: Category I

Room #	ACM	Estimated Quantity	Condition
0102	POS	15 lf	Poor
		Total	
		15 lf	

Material Code: MC-B2-3
Material Description: CAULK - WHITE ROOF PENETRATION & SEAMS - B2 (<1% asbesto
Category: Category I

Room #	ACM	Estimated Quantity	Condition
0ROOF	POS	230 lf	Good
		Total	
		230 lf	

Material Code: MEJ-B2
Material Description: EXPANSION JOINT - GRAY - B2 (conc. slab entry)
Category: Category I

Room #	ACM	Estimated Quantity	Condition
EXT. W	POS	5 lf	Fair
		Total	
		5 lf	

Notes:
 sf = Square Feet POS = Asbestos content greater than one percent
 lf = Linear Feet
 E = Each

TABLE 4
SUMMARY OF ASBESTOS-CONTAINING BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 02

Material Code: MEP-B2
Material Description: ELECTRICAL PANEL - B2
Category: Category II

Room #	ACM	Estimated Quantity	Condition
0101	ATC	7 E	Good
		Total	
		7 E	

Material Code: MPG-B2-1
Material Description: WINDOW PANE GLAZING - WHITE - B2
Category: Category II

Room #	ACM	Estimated Quantity	Condition
EXT. N	POS	25 lf	Poor
EXT. W	POS	50 lf	Poor
		Total	
		75 lf	

Material Code: MRT-B2-1
Material Description: ROOF TAR - BLACK/GRAY (SEAM) - B2
Category: Category II

Room #	ACM	Estimated Quantity	Condition
0ROOF	POS	900 sf	Good
		Total	
		900 sf	

Notes:
 sf = Square Feet POS = Asbestos content greater than one percent
 lf = Linear Feet
 E = Each

TABLE 4
SUMMARY OF ASBESTOS-CONTAINING BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 02

Material Code: MST-B2

Material Description: SEAM TAR - BLACK, - B2 (Metal Siding Joints)

Category: Category I

Room #	ACM	Estimated Quantity	Condition
0201	POS	50 lf	Good
EXT. E	POS	100 lf	Fair
EXT. N	POS	300 lf	Good
EXT. S	POS	300 lf	Fair
EXT. W	POS	25 lf	Fair
	Total	775 lf	

Notes:

sf = Square Feet

lf = Linear Feet

E = Each

POS = Asbestos content greater than one percent

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TABLE 4
SUMMARY OF ASBESTOS-CONTAINING BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 03

Material Code: MC-B3-1

Material Description: CAULK - WHITE (EAVES) - B3 (Canopy/siding joints)

Category: Category I

Room #	ACM	Estimated Quantity	Condition
EXT. N	POS	15 lf	Poor
EXT. W	POS	5 lf	Fair
	Total	20 lf	

Material Code: MC-B3-2

Material Description: CAULK - BLACK (RIDGE) - B3 (Roof peak metal cap)

Category: Category I

Room #	ACM	Estimated Quantity	Condition
0ROOF	POS	320 lf	Fair
	Total	320 lf	

Notes:

sf = Square Feet

lf = Linear Feet

E = Each

POS = Asbestos content greater than one percent

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TABLE 4
SUMMARY OF ASBESTOS-CONTAINING BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 04
Material Code: MEP-B4
Material Description: ELECTRICAL PANEL - B4
Category: Category II

Room #	ACM	Estimated Quantity	Condition
0101	ATC	2 E	Good
		Total	
		2 E	

Notes:
 sf = Square Feet POS = Asbestos content greater than one percent
 lf = Linear Feet
 E = Each

TABLE 4
SUMMARY OF ASBESTOS-CONTAINING BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 06

Material Code: MEP-B6

Material Description: ELECTRICAL PANEL - GRAY - B6

Category: Category II

Room #	ACM	Estimated Quantity	Condition
EXT. N	ATC	1 E	Good
		Total	
		1 E	

Notes:

sf = Square Feet

lf = Linear Feet

E = Each

POS = Asbestos content greater than one percent

TABLE 4
SUMMARY OF ASBESTOS-CONTAINING BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 07

Material Code: MC-B7-1

Material Description: CAULK - CREAM (INT. WALL INSULATION PANEL/CONC. WALL JO

Category: Category I

Room #	ACM	Estimated Quantity	Condition
0101	POS	560 lf	Fair
		Total	
		560 lf	

Material Code: MC-B7-2

Material Description: CAULK - LT TAN (WINDOW-DOOR) - B7

Category: Category I

Room #	ACM	Estimated Quantity	Condition
0101	POS	1300 lf	Fair
		Total	
		1300 lf	

Material Code: MC-B7-5

Material Description: CAULK - CREAM (SIDING/CONCRETE WALL SEAM PERIMETER- O

Category: Category I

Room #	ACM	Estimated Quantity	Condition
EXTERIOR	POS	560 lf	Good
		Total	
		560 lf	

Material Code: MC-B7-6

Material Description: CAULK - TAN (OVERHEAD DOOR) - B7

Category: Category I

Room #	ACM	Estimated Quantity	Condition
EXTERIOR	POS	5 lf	Good
		Total	
		5 lf	

Notes:

sf = Square Feet

lf = Linear Feet

E = Each

POS = Asbestos content greater than one percent

TABLE 4
SUMMARY OF ASBESTOS-CONTAINING BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 07

Material Code: MEP-B7

Material Description: ELECTRICAL PANEL - B7

Category: Category II

Room #	ACM	Estimated Quantity	Condition
0101	ATC	3 E	Good
		Total	
		3 E	

Material Code: MPG-B7

Material Description: WINDOW PANE GLAZING - B7

Category: Category I

Room #	ACM	Estimated Quantity	Condition
0101	POS	650 lf	Poor
		Total	
		650 lf	

Notes:

sf = Square Feet

lf = Linear Feet

E = Each

POS = Asbestos content greater than one percent

TABLE 4
SUMMARY OF ASBESTOS-CONTAINING BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 09
Material Code: MEP-B9
Material Description: ELECTRICAL PANEL - B9
Category: Category II

Room #	ACM	Estimated Quantity	Condition
0101	ATC	1 E	Good
		Total	
		1 E	

Notes:
 sf = Square Feet POS = Asbestos content greater than one percent
 lf = Linear Feet
 E = Each

TABLE 4
SUMMARY OF ASBESTOS-CONTAINING BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 10

Material Code: MC-B10-11
Material Description: CAULK - DK GRAY VENT - B10
Category: Category I

Room #	ACM	Estimated Quantity	Condition
EXT N	POS	2 lf	Good
EXT N	POS	6 lf	Good
Total		8 lf	

Material Code: MC-B10-12
Material Description: CAULK - OLD WHITE EXT WINDOW - B10
Category: Category I

Room #	ACM	Estimated Quantity	Condition
EXT E	POS	60 lf	Poor
Total		60 lf	

Material Code: MPG-B10-1
Material Description: WINDOW PANE GLAZING - CREAM - B10 (<1% asbestos by PLM P
Category: Category II

Room #	ACM	Estimated Quantity	Condition
EXT E	POS	160 lf	Fair
EXT N	POS	120 lf	Good
Total		280 lf	

Material Code: MRRS-B10-1
Material Description: MISC RESIDUAL ROOF SYSTEM (POTENTIAL BUILT UP, FLASHIN
Category: Category I

Room #	ACM	Estimated Quantity	Condition
OROOF	ATC	7200 sf	Good
Total		7200 sf	

Notes:
 sf = Square Feet POS = Asbestos content greater than one percent
 lf = Linear Feet
 E = Each

TABLE 4
SUMMARY OF ASBESTOS-CONTAINING BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 10

Material Code: TF10F-B10-1

Material Description: 6-10" FITTING ON FIBERGLASS PIPE INSULATION - B10

Category: Friable

Room #	ACM	Estimated Quantity	Condition
0101	POS	3 E	Good
0102	POS	6 E	Good
	Total	9 E	

Notes:

sf = Square Feet

lf = Linear Feet

E = Each

POS = Asbestos content greater than one percent

TABLE 4
SUMMARY OF ASBESTOS-CONTAINING BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 11

Material Code: MBR-B11-1

Material Description: BUILT UP ROOF - BLACK - DOMED/ARCHED - B11

Category: Category I

Room #	ACM	Estimated Quantity	Condition
0ROOF	POS	8500 sf	Good
		Total	
		8500 sf	

Material Code: MC-B11-1

Material Description: CAULK - GRAY DOOR - B11

Category: Category I

Room #	ACM	Estimated Quantity	Condition
0101	POS	15 lf	Good
0103	POS	45 lf	Good
0104	POS	20 lf	Good
		Total	
		80 lf	

Material Code: MC-B11-8

Material Description: CAULK - GRAY EXT WINDOW - B11

Category: Category I

Room #	ACM	Estimated Quantity	Condition
EXT E	POS	140 lf	Good
		Total	
		140 lf	

Notes:

sf = Square Feet

lf = Linear Feet

E = Each

POS = Asbestos content greater than one percent

TABLE 4
SUMMARY OF ASBESTOS-CONTAINING BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 11

Material Code: MEP-B11-1
Material Description: ELECTRICAL PANEL - GRAY - B11
Category: Category II

Room #	ACM	Estimated Quantity	Condition
0103	ATC	17 E	Good
0104	ATC	5 E	Good
0204	ATC	1 E	Good
		Total	
		23 E	

Material Code: MF12-B11-1
Material Description: 12" FLOOR TILE & MASTIC - CREAM W/GRAY FLECKS - B11 (Tile
Category: Category I

Room #	ACM	Estimated Quantity	Condition
0101	POS	900 sf	Good
		Total	
		900 sf	

Material Code: MRF-B11-1
Material Description: ROOF FLASHING - SILVER/GRAY - B11
Category: Category I

Room #	ACM	Estimated Quantity	Condition
0ROOF	POS	1500 sf	Good
		Total	
		1500 sf	

Material Code: MRT-B11-1
Material Description: ROOF TAR - BLACK PENETRATION - B11
Category: Category I

Room #	ACM	Estimated Quantity	Condition
0ROOF	POS	100 lf	Good
		Total	
		100 lf	

Notes:
 sf = Square Feet POS = Asbestos content greater than one percent
 lf = Linear Feet
 E = Each

TABLE 4
SUMMARY OF ASBESTOS-CONTAINING BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 11

Material Code: MST-B11

Material Description: PARAPET SEAM TAPE - GRAY - B11

Category: Category II

Room #	ACM	Estimated Quantity	Condition
0ROOF	POS	200 lf	Good
		Total	
		200 lf	

Material Code: MTWR-B11

Material Description: TOILET WAX RING - ATC - B11

Category: Category I

Room #	ACM	Estimated Quantity	Condition
0102	ATC	5 E	Good
		Total	
		5 E	

Notes:

sf = Square Feet

lf = Linear Feet

E = Each

POS = Asbestos content greater than one percent

TABLE 4
SUMMARY OF ASBESTOS-CONTAINING BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 12

Material Code: MC-B12-12
Material Description: CAULK - DK BROWN WINDOW
Category: Category I

Room #	ACM	Estimated Quantity	Condition
EXT. E	POS	50 lf	Good
		Total	
		50 lf	

Material Code: MC-B12-13
Material Description: CAULK - WHITE SEAM, ROOF - B12
Category: Category I

Room #	ACM	Estimated Quantity	Condition
0ROOF	POS	40 lf	Good
		Total	
		40 lf	

Material Code: MC-B12-4
Material Description: CAULK - WHITE (STICKY AT INSULATION/EXT WALL) - B12
Category: Category I

Room #	ACM	Estimated Quantity	Condition
0201	POS	20 lf	Good
		Total	
		20 lf	

Material Code: MC-B12-5
Material Description: CAULK - BROWN (SEAM BETWEEN CONCRETE-WALL PANEL) - B
Category: Category I

Room #	ACM	Estimated Quantity	Condition
0105	POS	35 lf	Good
		Total	
		35 lf	

Notes:
 sf = Square Feet POS = Asbestos content greater than one percent
 lf = Linear Feet
 E = Each

TABLE 4
SUMMARY OF ASBESTOS-CONTAINING BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 12

Material Code: MC-B12-8

Material Description: CAULK - DK BROWN (PANEL UNDERSIDE) - B12

Category: Category I

Room #	ACM	Estimated Quantity	Condition
EXT. S	POS	15 lf	Good
		Total 15 lf	

Material Code: MEP-B12

Material Description: ELECTRICAL PANEL - B12

Category: Category II

Room #	ACM	Estimated Quantity	Condition
0101	ATC	3 E	Good
0103	ATC	5 E	Good
0105	ATC	3 E	Good
0106	ATC	1 E	Good
EXT. S	ATC	1 E	Good
		Total 13 E	

Material Code: MRT-B12-2

Material Description: ROOF TAR - GRAY - B12

Category: Category II

Room #	ACM	Estimated Quantity	Condition
0ROOF	POS	60 sf	Good
		Total 60 sf	

Notes:

sf = Square Feet

lf = Linear Feet

E = Each

POS = Asbestos content greater than one percent

TABLE 4
SUMMARY OF ASBESTOS-CONTAINING BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 12
Material Code: MTWR-B12
Material Description: TOILET WAX RING - ATC - B12
Category: Category I

Room #	ACM	Estimated Quantity	Condition
0102	ATC	4 E	Good
		Total	
		4 E	

Notes:
 sf = Square Feet POS = Asbestos content greater than one percent
 lf = Linear Feet
 E = Each

TABLE 4
SUMMARY OF ASBESTOS-CONTAINING BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 13

Material Code: MC-B13-1

Material Description: CAULK - BROWN (SEAM BETWEEN CONCRETE AND METAL SIDIN

Category: Category I

Room #	ACM	Estimated Quantity	Condition
0101	POS	390 lf	Good
		Total	
		390 lf	

Material Code: MEP-B13

Material Description: ELECTRICAL PANEL - B13

Category: Category II

Room #	ACM	Estimated Quantity	Condition
0101	ATC	5 E	Good
		Total	
		5 E	

Notes:

sf = Square Feet

lf = Linear Feet

E = Each

POS = Asbestos content greater than one percent

TABLE 4
SUMMARY OF ASBESTOS-CONTAINING BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 14

Material Code: MC-B14-1
Material Description: CAULK - GRAY DOOR - B14
Category: Category I

Room #	ACM	Estimated Quantity	Condition
0101	POS	100 lf	Good
0102	POS	40 lf	Good
0103	POS	20 lf	Good
EXT W	POS	20 lf	Good
		Total	
		180 lf	

Material Code: MC-B14-2
Material Description: CAULK - WHITE DOOR - B14
Category: Category I

Room #	ACM	Estimated Quantity	Condition
EXT W	POS	20 lf	Good
		Total	
		20 lf	

Material Code: MEP-B14-1
Material Description: ELECTRICAL PANEL - GRAY - B14
Category: Category II

Room #	ACM	Estimated Quantity	Condition
0101	ATC	3 E	Good
		Total	
		3 E	

Notes:
 sf = Square Feet POS = Asbestos content greater than one percent
 lf = Linear Feet
 E = Each

TABLE 4
SUMMARY OF ASBESTOS-CONTAINING BUILDING MATERIALS
Sorted by Building and Material Code

Jefferson County Highway Complex
 141 West Woolcock Street
 Jefferson, Wisconsin
 Project Reference #: 15216

Building: 14

Material Code: MRRS-B14-1

Material Description: MISC RESIDUAL ROOF SYSTEM (POTENTIAL BUILT UP, FLASHIN

Category: Category I

Room #	ACM	Estimated Quantity	Condition
0ROOF	ATC	3600 sf	Good
	Total	3600 sf	

Material Code: TDW-B14-1

Material Description: PAPER DUCT WRAP - WHITE - B14

Category: Friable

Room #	ACM	Estimated Quantity	Condition
0101	POS	12 sf	Good
	Total	12 sf	

Notes:

sf = Square Feet

lf = Linear Feet

E = Each

POS = Asbestos content greater than one percent

**TABLE 5
BULK MATERIAL SAMPLE SUMMARY
Sorted by Sample Number**

**Jefferson County Highway Complex
141 West Woolcock Street
Jefferson, Wisconsin
Project Reference #: 15216**

Sample Number	Material Code	Material Description	Sample Comments	Building	Sample Location	Asbestos Content
0001	MSCT-B1-1	SUSPENDED CEILING TILE - 2' WHITE HOLES & FISSURES - B1		01	101, NW	NEG
0001	MRT-B12-1	ROOF TAR - BLACK - B12		12	ROOF	NEG
0001	MBR-B11-1	BUILT UP ROOF - BLACK - DOMED/ARCHED - B11		11	ROOF, E	1.2 PC
0001	MRS-B6	ROOF SYSTEM - BROWN ASPHALT SHINGLE W/TAR PAPER - B6		06	ROOF, NE	NEG
0001	MC-B3-1	CAULK - WHITE (EAVES) - B3 (Canopy/siding joints)		03	EXT N, W	1.2 PC
0001	MC-B8-1	CAULK - GRAY (MAN-DOOR) - B8		08	EXT E, NE	NEG
0001	MB8M-B14-1	8" BRICK & MORTAR - GRAY - B14		14	101, SE	NEG
0001	MRT-B13-1	ROOF TAR - BLACK - B13		13	ROOF, NW	NEG
0001	MRS-B5-1	ROOF SYSTEM - BROWN ASPHALT SHINGLE W/TAR PAPER - B5		05	ROOF, SE	NEG
0001	MRS-B7-1	ROOF SYSTEM - BROWN ASPHALT SHINGLE W/TAR PAPER - B7		07	ROOF, SE	NEG
0001	MBR-B10-1	BUILT UP ROOF - BLACK - B10		10	ROOF, W	NEG
0001	MC-B2-1	CAULK - BLACK DOOR - B2		02	101, W	1.8 PC
0002	MRS-B7-1	ROOF SYSTEM - BROWN ASPHALT SHINGLE W/TAR PAPER - B7		07	ROOF, SE	NEG
0002	MBR-B11-1	BUILT UP ROOF - BLACK - DOMED/ARCHED - B11		11	ROOF, NE	NEG
0002	MSCT-B1-1	SUSPENDED CEILING TILE - 2' WHITE HOLES & FISSURES - B1		01	106, S	NEG
0002	MBR-B10-1	BUILT UP ROOF - BLACK - B10		10	ROOF, E	NEG

Notes:

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**TABLE 5
BULK MATERIAL SAMPLE SUMMARY
Sorted by Sample Number**

Jefferson County Highway Complex
141 West Woolcock Street
Jefferson, Wisconsin
Project Reference #: 15216

Sample Number	Material Code	Material Description	Sample Comments	Building	Sample Location	Asbestos Content
0002	MRS-B6	ROOF SYSTEM - BROWN ASPHALT SHINGLE W/TAR PAPER - B6		06	ROOF, NE	NEG
0002	MRT-B12-1	ROOF TAR - BLACK - B12		12	ROOF	NEG
0002	MRT-B13-1	ROOF TAR - BLACK - B13		13	ROOF, NW	NEG
0002	MB8M-B14-1	8" BRICK & MORTAR - GRAY - B14		14	101, SE	NEG
0002	MC-B2-2	CAULK - WHITE WINDOW - B2		02	102, N	1.2 PC
0002	MC-B3-2	CAULK - BLACK (RIDGE) - B3 (Roof peak metal cap)		03	ROOF, C	1.6 PC
0002	MRS-B5-1	ROOF SYSTEM - BROWN ASPHALT SHINGLE W/TAR PAPER - B5		05	ROOF, SE	NEG
0003	MB8M-B14-1	8" BRICK & MORTAR - GRAY - B14		14	EXT W, C	NEG
0003	MC-B3-2	CAULK - BLACK (RIDGE) - B3 (Roof peak metal cap)	POSITIVE STOP	03	ROOF, C	POS
0003	MIP-B2	INSULATION PAPER, BROWN & BLACK - B2		02	102, E	NEG
0003	MRT-B12-1	ROOF TAR - BLACK - B12		12	ROOF	NEG
0003	MRS-B6	ROOF SYSTEM - BROWN ASPHALT SHINGLE W/TAR PAPER - B6		06	ROOF, NE	NEG
0003	MBR-B11-1	BUILT UP ROOF - BLACK - DOMED/ARCHED - B11		11	ROOF, NW	NEG
0003	MRS-B5-1	ROOF SYSTEM - BROWN ASPHALT SHINGLE W/TAR PAPER - B5		05	ROOF, SE	NEG
0003	MSCT-B1-1	SUSPENDED CEILING TILE - 2' WHITE HOLES & FISSURES - B1		01	108, E	NEG
0003	MB8M-B10-1	8" BRICK & MORTAR - GRAY - B10		10	102, SW	NEG

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BULK MATERIAL SAMPLE SUMMARY
Sorted by Sample Number

Jefferson County Highway Complex
141 West Woolcock Street
Jefferson, Wisconsin
Project Reference #: 15216

Sample Number	Material Code	Material Description	Sample Comments	Building	Sample Location	Asbestos Content
0003	MRS-B7-1	ROOF SYSTEM - BROWN ASPHALT SHINGLE W/TAR PAPER - B7		07	ROOF, SE	NEG
0003	MRT-B13-1	ROOF TAR - BLACK - B13		13	ROOF, NW	NEG
0004	MBR-B11-2	BUILT UP ROOF - BLACK - FLAT - B11		11	ROOF, W	NEG
0004	MTCW-B6	TAR COATING - BLACK ON WOOD - B6		06	EXT E, S	NEG
0004	MRT-B12-2	ROOF TAR - GRAY - B12		12	ROOF	15 %
0004	MB8M-B10-1	8" BRICK & MORTAR - GRAY - B10		10	102, SW	NEG
0004	MIP-B2	INSULATION PAPER, BROWN & BLACK - B2		02	102, E	NEG
0004	MCBM-B14	CONCRETE BLOCK MORTAR - B14		14	101, SE	NEG
0004	MSWT-B1	SUBWAY TILE - CREAM - B1		01	102, NW	NEG
0004	MC-B13-6	CAULK - CREAM (GUTTERS) - B13		13	ROOF, NW	NEG
0004	MRT-B7-1	ROOF TAR - BLACK/GRAY (VENT) - B7		07	ROOF, SE	NEG
0004	MC-B3-2	CAULK - BLACK (RIDGE) - B3 (Roof peak metal cap)	POSITIVE STOP	03	ROOF, C	POS
0005	MCBM-B14	CONCRETE BLOCK MORTAR - B14		14	103, S	NEG
0005	MCM-B1-1	CARPET MASTIC - TAN - B1		01	101, SW	NEG
0005	MB8M-B10-1	8" BRICK & MORTAR - GRAY - B10		10	102, S	NEG
0005	MC-B13-6	CAULK - CREAM (GUTTERS) - B13		13	ROOF, NW	NEG
0005	MFBI-B7	FIBER BOARD INSULATION - B7		07	101, SE	NEG

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**TABLE 5
BULK MATERIAL SAMPLE SUMMARY
Sorted by Sample Number**

**Jefferson County Highway Complex
141 West Woolcock Street
Jefferson, Wisconsin
Project Reference #: 15216**

Sample Number	Material Code	Material Description	Sample Comments	Building	Sample Location	Asbestos Content
0005	MIP-B2	INSULATION PAPER, BROWN & BLACK - B2		02	102, E	NEG
0005	MRT-B12-2	ROOF TAR - GRAY - B12	POSITIVE STOP	12	ROOF	POS
0005	MBR-B11-2	BUILT UP ROOF - BLACK - FLAT - B11		11	ROOF, SE	NEG
0005	MTCW-B6	TAR COATING - BLACK ON WOOD - B6		06	EXT N, C	NEG
0006	MTCW-B6	TAR COATING - BLACK ON WOOD - B6		06	EXT W, C	NEG
0006	MCM-B1-1	CARPET MASTIC - TAN - B1		01	102, SW	NEG
0006	MCBM-B14	CONCRETE BLOCK MORTAR - B14		14	104, S	NEG
0006	MC-B13-6	CAULK - CREAM (GUTTERS) - B13		13	ROOF NW	NEG
0006	MBR-B11-2	BUILT UP ROOF - BLACK - FLAT - B11		11	ROOF, E	NEG
0006	MC-B10-1	CAULK - GRAY - B10		10	101, SW	NEG
0006	MFBI-B7	FIBER BOARD INSULATION - B7		07	101, S	NEG
0006	MST-B2	SEAM TAR - BLACK, - B2 (Metal Siding Joints)		02	201, W	2.4 PC
0006	MRT-B12-2	ROOF TAR - GRAY - B12	POSITIVE STOP	12	ROOF	POS
0007	MPG-B2-1	WINDOW PANE GLAZING - WHITE - B2		02	EXT W, N	1.5 PC
0007	MRF-B11-1	ROOF FLASHING - SILVER/GRAY - B11		11	ROOF, SW	2.3 PC
0007	MFBI-B7	FIBER BOARD INSULATION - B7		07	101, N	NEG

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**TABLE 5
BULK MATERIAL SAMPLE SUMMARY
Sorted by Sample Number**

Jefferson County Highway Complex
141 West Woolcock Street
Jefferson, Wisconsin
Project Reference #: 15216

Sample Number	Material Code	Material Description	Sample Comments	Building	Sample Location	Asbestos Content
0007	MAS-B12-1	ASPHALT SHINGLE - BLACK & GRAY - B12		12	ROOF	NEG
0007	MC-B13-7	CAULK - WHITE (PENETRATIONS) - B13		13	ROOF, NW	NEG
0007	MC-B14-1	CAULK - GRAY DOOR - B14		14	101, E	5.2 PC
0007	MCM-B1-1	CARPET MASTIC - TAN - B1		01	103, NW	NEG
0007	MC-B10-10	CAULK - WHITE DRAIN - B10		10	EXT N, E	NEG
0008	MRF-B11-1	ROOF FLASHING - SILVER/GRAY - B11	POSITIVE STOP	11	ROOF, S	POS
0008	MC-B13-7	CAULK - WHITE (PENETRATIONS) - B13		13	ROOF, NW	NEG
0008	MEJ-B2	EXPANSION JOINT - GRAY - B2 (conc. slab entry)	BLACK TAR, POS; TAN FIBROUS, NEG.	02	EXT W, N	3.8 PC
0008	MC-B10-11	CAULK - DK GRAY VENT - B10		10	EXT N, E	3.1 PC
0008	MC-B7-1	CAULK - CREAM (INT. WALL INSULATION PANEL/CONC. WALL JOINT) - B7		07	101, N	1.6 PC
0008	MC-B14-1	CAULK - GRAY DOOR - B14	POSITIVE STOP	14	102, SW	POS
0008	MAS-B12-1	ASPHALT SHINGLE - BLACK & GRAY - B12		12	ROOF	NEG
0008	MF9-B1-1	9" FLOOR TILE & MASTIC - CREAM, TAN - B1 (Tile-POS; tan & blk Mastic NEG)	GREY FLOOR TILE-POS; TAN & BLACK MASTIC-NEG	01	101, SW	3.2 PC
0009	MRF-B11-1	ROOF FLASHING - SILVER/GRAY - B11	POSITIVE STOP	11	ROOF, S	POS

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**TABLE 5
BULK MATERIAL SAMPLE SUMMARY
Sorted by Sample Number**

**Jefferson County Highway Complex
141 West Woolcock Street
Jefferson, Wisconsin
Project Reference #: 15216**

Sample Number	Material Code	Material Description	Sample Comments	Building	Sample Location	Asbestos Content
0009	MC-B14-1	CAULK - GRAY DOOR - B14	POSITIVE STOP	14	103, S	POS
0009	MF9-B1-1	9" FLOOR TILE & MASTIC - CREAM,TAN - B1 (Tile-POS; tan & blk Mastic NEG)		01	103, NW	NEG
0009	MC-B7-1	CAULK - CREAM (INT. WALL INSULATION PANEL/CONC. WALL JOINT) - B7	POSITIVE STOP	07	101, SE	POS
0009	MAS-B12-1	ASPHALT SHINGLE - BLACK & GRAY - B12		12	ROOF	NEG
0009	MC-B10-12	CAULK - OLD WHITE EXT WINDOW - B10		10	EXT E, N	1.7 PC
0009	MC-B13-7	CAULK - WHITE (PENETRATIONS) - B13		13	ROOF, NW	NEG
0009	MRT-B2-1	ROOF TAR - BLACK/GRAY (SEAM) - B2		02	ROOF	2.8 PC
0010	MC-B7-1	CAULK - CREAM (INT. WALL INSULATION PANEL/CONC. WALL JOINT) - B7	POSITIVE STOP	07	101, SE	POS
0010	MC-B10-4	CAULK - CREAM WINDOW - B10		10	101, SE	NEG
0010	MF9-B1-1	9" FLOOR TILE & MASTIC - CREAM,TAN - B1 (Tile-POS; tan & blk Mastic NEG)		01	102, SW	NEG
0010	MC-B12-13	CAULK - WHITE SEAM, ROOF - B12	GREY/WHITE CAULK, NEG; RESIDUAL BROWN CAULK, POS.	12	ROOF	4.4 PC
0010	MC-B11-20	CAULK - WHITE PENETRATION - B11		11	ROOF, CF	NEG
0010	MCBM-B13	CONCRETE BLOCK MORTAR - B13		13	101, NE	NEG

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**TABLE 5
BULK MATERIAL SAMPLE SUMMARY
Sorted by Sample Number**

**Jefferson County Highway Complex
141 West Woolcock Street
Jefferson, Wisconsin
Project Reference #: 15216**

Sample Number	Material Code	Material Description	Sample Comments	Building	Sample Location	Asbestos Content
0010	MRT-B2-1	ROOF TAR - BLACK/GRAY (SEAM) - B2	POSITIVE STOP	02	ROOF	POS
0010	TDW-B14-1	PAPER DUCT WRAP - WHITE - B14		14	101, SW	15%
0011	MCBM-B13	CONCRETE BLOCK MORTAR - B13		13	101, NE	NEG
0011	MC-B12-13	CAULK - WHITE SEAM, ROOF - B12		12	ROOF	NEG
0011	MST-B11	PARAPET SEAM TAPE - GRAY - B11		11	ROOF, SW	3.2 PC
0011	MCT-B1-1	CEILING TILE & MASTIC - 1' TAN - B1		01	101, NW	NEG
0011	MC-B7-2	CAULK - LT TAN (WINDOW-DOOR) - B7		07	101, SE	8.3 PC
0011	MRT-B2-1	ROOF TAR - BLACK/GRAY (SEAM) - B2	POSITIVE STOP	02	ROOF	POS
0011	MEJ-B14-1	EXPANSION JOINT - BROWN - B14		14	101, N	NEG
0011	MCBM-B10-1	CONCRETE BLOCK MORTAR - B10		10	101, SE	NEG
0012	MCBM-B13	CONCRETE BLOCK MORTAR - B13		13	101, NW	NEG
0012	MST-B11	PARAPET SEAM TAPE - GRAY - B11	POSITIVE STOP	11	ROOF, CF	POS
0012	MMP-B10-1	MORTAR PATCH - GRAY - B10		10	102, E	NEG
0012	MC-B12-13	CAULK - WHITE SEAM, ROOF - B12		12	ROOF	NEG
0012	MEJ-B14-1	EXPANSION JOINT - BROWN - B14		14	102, NE	NEG
0012	MC-B2-3	CAULK - WHITE ROOF PENETRATION & SEAMS - B2 (<1% asbestos by PLM PC)		02	ROOF	NEG
0012	MCT-B1-1	CEILING TILE & MASTIC - 1' TAN - B1		01	101, W	NEG

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TABLE 5
BULK MATERIAL SAMPLE SUMMARY
Sorted by Sample Number

Jefferson County Highway Complex
141 West Woolcock Street
Jefferson, Wisconsin
Project Reference #: 15216

Sample Number	Material Code	Material Description	Sample Comments	Building	Sample Location	Asbestos Content
0012	MC-B7-2	CAULK - LT TAN (WINDOW-DOOR) - B7	POSITIVE STOP	07	101, SE	POS
0013	MEJ-B14-1	EXPANSION JOINT - BROWN - B14		14	103, NE	NEG
0013	MC-B7-2	CAULK - LT TAN (WINDOW-DOOR) - B7	POSITIVE STOP	07	101, S	POS
0013	MCT-B1-1	CEILING TILE & MASTIC - 1' TAN - B1		01	101, SW	NEG
0013	MC-B12-14	CAULK - WHITE (GUTTER, HARDER) - B12		12	ROOF	NEG
0013	MPG-B10-1	WINDOW PANE GLAZING - CREAM - B10 (<1% asbestos by PLM PC)		10	EXT E, S	TRACE PC
0013	MC-B2-3	CAULK - WHITE ROOF PENETRATION & SEAMS - B2 (<1% asbestos by PLM PC)		02	ROOF	TRACE PC
0013	MC-B13-1	CAULK - BROWN (SEAM BETWEEN CONCRETE AND METAL SIDING-PERIMETER) - B13		13	101, NW	1.3 PC
0013	MRT-B11-1	ROOF TAR - BLACK PENETRATION - B11		11	ROOF, CF	3.5 PC
0014	MCT-B1-2	CEILING TILE & MASTIC - 1' WHITE - B1		01	102, S	NEG
0014	MB8M-B11-1	8" BRICK & MORTAR - GRAY - B11		11	104, SW	NEG
0014	MC-B13-1	CAULK - BROWN (SEAM BETWEEN CONCRETE AND METAL SIDING-PERIMETER) - B13	POSITIVE STOP	13	101, SW	POS
0014	TDI-B14-1	DUCT INSULATION INTERIOR - CREAM - B14		14	101, SW, COLLECTED & SUBMITTED AS #15	NEG

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**TABLE 5
BULK MATERIAL SAMPLE SUMMARY
Sorted by Sample Number**

Jefferson County Highway Complex
141 West Woolcock Street
Jefferson, Wisconsin
Project Reference #: 15216

Sample Number	Material Code	Material Description	Sample Comments	Building	Sample Location	Asbestos Content
0014	MC-B12-14	CAULK - WHITE (GUTTER, HARDER) - B12		12	ROOF	NEG
0014	MSCT-B10-3	SUSPENDED CEILING TILE - 2X2 FOOT: WHITE FISSURES; PINHOLES - B10		10	102, E	NEG
0014	MPG-B7	WINDOW PANE GLAZING - B7		07	101, S	2.4 PC
0014	MC-B2-3	CAULK - WHITE ROOF PENETRATION & SEAMS - B2 (<1% asbestos by PLM PC)		02	ROOF	TRACE PC
0015	MPG-B7	WINDOW PANE GLAZING - B7	POSITIVE STOP	07	101, SE	POS
0015	MC-B12-14	CAULK - WHITE (GUTTER, HARDER) - B12		12	ROOF	NEG
0015	MCT-B1-2	CEILING TILE & MASTIC - 1' WHITE - B1		01	104, S	NEG
0015	MVDC-B14-1	VINYL DUCT CONNECTOR - CREAM - B14		14	101, SW, COLLECTED & SUBMITTED AS #14	NEG
0015	MB8M-B11-1	8" BRICK & MORTAR - GRAY - B11		11	202, N	NEG
0015	MSCT-B10-3	SUSPENDED CEILING TILE - 2X2 FOOT: WHITE FISSURES; PINHOLES - B10		10	102, NE	NEG
0015	MC-B13-1	CAULK - BROWN (SEAM BETWEEN CONCRETE AND METAL SIDING- PERIMETER) - B13	POSITIVE STOP	13	101, SE	POS
0016	MEJ-B13	EXPANSION JOINT - B13		13	101, SE	NEG

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**TABLE 5
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Sorted by Sample Number**

Jefferson County Highway Complex
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Project Reference #: 15216

Sample Number	Material Code	Material Description	Sample Comments	Building	Sample Location	Asbestos Content
0016	MCT-B1-2	CEILING TILE & MASTIC - 1' WHITE - B1		01	104, NE	NEG
0016	MSCT-B10-3	SUSPENDED CEILING TILE - 2X2 FOOT: WHITE FISSURES; PINHOLES - B10		10	102, E	NEG
0016	MPG-B7	WINDOW PANE GLAZING - B7	POSITIVE STOP	07	101, SE	POS
0016	MMP-B14-1	MORTAR PATCH - GRAY - B14		14	101, CC, NOT COLLECTED - STYROFOAM	NEG
0016	MB8M-B11-1	8" BRICK & MORTAR - GRAY - B11		11	204, N	NEG
0016	MC-B12-15	CAULK - CREAM (PENETRATION, ROOF) - B12		12	ROOF	NEG
0017	MC-B7-3	CAULK - WHITE (DOOR - STICKY) - B7		07	101, SW	NEG
0017	MSCT-B14-5	SUSPENDED CEILING TILE - 2X4: WHITE TEXTURED - B14		14	102, SW	NEG
0017	MCBM-B10-1	CONCRETE BLOCK MORTAR - B10		10	102, NE	NEG
0017	MCBM-B1	CONCRETE BLOCK MORTAR - B1		01	102, N	NEG
0017	MEJ-B13	EXPANSION JOINT - B13		13	101, SE	NEG
0017	MC-B12-15	CAULK - CREAM (PENETRATION, ROOF) - B12		12	ROOF	NEG
0017	MC-B11-1	CAULK - GRAY DOOR - B11		11	101, S	10%
0018	MSCT-B14-5	SUSPENDED CEILING TILE - 2X4: WHITE TEXTURED - B14		14	102, SW	NEG
0018	MC-B7-4	CAULK - WHITE (DOOR) - B7		07	EXT, SW	NEG

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**TABLE 5
BULK MATERIAL SAMPLE SUMMARY
Sorted by Sample Number**

Jefferson County Highway Complex
141 West Woolcock Street
Jefferson, Wisconsin
Project Reference #: 15216

Sample Number	Material Code	Material Description	Sample Comments	Building	Sample Location	Asbestos Content
0018	MCBM-B1	CONCRETE BLOCK MORTAR - B1		01	104, SW	NEG
0018	MEJ-B13	EXPANSION JOINT - B13		13	101, NE	NEG
0018	MC-B11-2	CAULK - WHITE DOOR - B11		11	102, NE	NEG
0018	MCBM-B10-1	CONCRETE BLOCK MORTAR - B10		10	102, NW	NEG
0018	MC-B12-15	CAULK - CREAM (PENETRATION, ROOF) - B12		12	ROOF	NEG
0019	MC-B11-3	CAULK - BROWN DOOR - B11		11	104, SW	NEG
0019	MSCT-B14-5	SUSPENDED CEILING TILE - 2X4: WHITE TEXTURED - B14		14	103, NE	NEG
0019	MB8M-B12	8" BRICK & MORTAR - B12		12	101, NE	NEG
0019	MC-B13-2	CAULK - WHITE (DOOR) - B13		13	101, N	NEG
0019	MC-B7-5	CAULK - CREAM (SIDING/CONCRETE WALL SEAM PERIMETER- OLD) - B7		07	EXT, SW	6.9 PC
0019	MPG-B10-1	WINDOW PANE GLAZING - CREAM - B10 (<1% asbestos by PLM PC)		10	EXT E, S	0.25 PC
0019	MCBM-B1	CONCRETE BLOCK MORTAR - B1		01	107, N	NEG
0020	MC-B7-5	CAULK - CREAM (SIDING/CONCRETE WALL SEAM PERIMETER- OLD) - B7	POSITIVE STOP	07	EXT, SE	POS
0020	MC-B14-2	CAULK - WHITE DOOR - B14		14	EXT W, C	1.3 PC
0020	MC-B13-3	CAULK - TAN (HORIZONTAL PANEL) - B13		13	EXT E, N	NEG

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**TABLE 5
BULK MATERIAL SAMPLE SUMMARY
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Jefferson County Highway Complex
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Project Reference #: 15216

Sample Number	Material Code	Material Description	Sample Comments	Building	Sample Location	Asbestos Content
0020	MPG-B10-1	WINDOW PANE GLAZING - CREAM - B10 (<1% asbestos by PLM PC)		10	EXT E, S	0.5 PC
0020	MB8M-B12	8" BRICK & MORTAR - B12		12	105, NW	NEG
0020	MV4-B1-1	4" VINYL BASEBOARD & MASTIC - BROWN - B1		01	102, NE	NEG
0020	MC-B11-4	CAULK - CREAM WINDOW - B11		11	201, SE	NEG
0021	MC-B14-3	CAULK - BROWN DOOR - B14		14	EXT W, C	NEG
0021	MC-B1-1	CAULK - CREAM (DOOR) - B1		01	102, NE	NEG
0021	MC-B13-3	CAULK - TAN (HORIZONTAL PANEL) - B13		13	EXT S, E	NEG
0021	MSCT-B10-4	SUSPENDED CEILING TILE - SMOOTH SQUARE PATTERN - B10		10	102, E	NEG
0021	MC-B11-5	CAULK - WHITE BATHROOM - B11		11	102, CF	NEG
0021	MB8M-B12	8" BRICK & MORTAR - B12		12	106, NW	NEG
0021	MC-B7-5	CAULK - CREAM (SIDING/CONCRETE WALL SEAM PERIMETER- OLD) - B7	POSITIVE STOP	07	EXT, NE	POS
0022	MC-B13-3	CAULK - TAN (HORIZONTAL PANEL) - B13		13	EXT W, N	NEG
0022	MC-B11-6	CAULK - WHITE EXT DOOR - B11		11	EXT W, S	NEG
0022	MCTM-B1-1	CERAMIC TILE & MASTIC - 1"X1" & 2"X2" TAN, BROWN - B1		01	105, C	NEG
0022	MC-B7-6	CAULK - TAN (OVERHEAD DOOR) - B7		07	EXT, SE	2.3 PC

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**TABLE 5
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**Jefferson County Highway Complex
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Sample Number	Material Code	Material Description	Sample Comments	Building	Sample Location	Asbestos Content
0022	MC-B14-9	CAULK - GRAY SEAM - B14		14	EXT W, S	NEG
0022	MCBM-B12	CONCRETE BLOCK MORTAR - B12		12	101, NE	NEG
0022	TF10F-B10-1	6-10" FITTING ON FIBERGLASS PIPE INSULATION - B10		10	102, NE	10%
0023	MPM-B1-1	PANEL MASTIC - TAN - B1		01	105, N	NEG
0023	MCBM-B12	CONCRETE BLOCK MORTAR - B12		12	103, W	NEG
0023	MBR-B14-1	BUILT UP ROOF - BLACK - B14		14	ROOF, W	NEG
0023	MRRS-B10-1	MISC RESIDUAL ROOF SYSTEM (POTENTIAL BUILT UP, FLASHING, PARAPET BENEATH NEW MEMBRANE) - B10	NOT OBSERVED - POTENTIAL	10	ROOF	ATC%
0023	MC-B11-7	CAULK - WHITE EXT EAST - B11		11	EXT E, N	NEG
0023	MC-B13-4	CAULK - DK BROWN (PANEL UNDERSIDE) - B13		13	EXT E, N	NEG
0023	MC-B7-7	CAULK - DK BROWN (DOOR) - B7		07	EXT, SE	NEG
0024	MRRS-B14-1	MISC RESIDUAL ROOF SYSTEM (POTENTIAL BUILT UP, FLASHING, PARAPET BENEATH NEW MEMBRANE) - B14	NOT OBSERVED - POTENTIAL	14	ROOF	ATC%
0024	MTC-B7-1	TAR COATING - EXT CONC WALL CRACKS		07	EXT	NEG
0024	MPM-B1-1	PANEL MASTIC - TAN - B1		01	105, N	NEG
0024	MC-B13-4	CAULK - DK BROWN (PANEL UNDERSIDE) - B13		13	EXT S, E	NEG
0024	MCBM-B12	CONCRETE BLOCK MORTAR - B12		12	104, W	NEG

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**TABLE 5
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Jefferson County Highway Complex
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Sample Number	Material Code	Material Description	Sample Comments	Building	Sample Location	Asbestos Content
0024	MC-B11-7	CAULK - WHITE EXT EAST - B11		11	EXT E, N	NEG
0025	MEJ-B12	EXPANSION JOINT - BROWN FIBROUS - B12		12	101, NE	NEG
0025	MTC-B7-1	TAR COATING - EXT CONC WALL CRACKS		07	EXT	NEG
0025	MC-B13-4	CAULK - DK BROWN (PANEL UNDERSIDE) - B13		13	EXT W, N	NEG
0025	MC-B11-7	CAULK - WHITE EXT EAST - B11		11	EXT E, N	NEG
0025	MPM-B1-1	PANEL MASTIC - TAN - B1		01	105, N	NEG
0026	MC-B13-5	CAULK - GRAY (EXT DOOR) - B13		13	EXT E, N	NEG
0026	MC-B1-2	CAULK - WHITE (BATHROOM) - B1		01	105, SE	NEG
0026	MTC-B7-1	TAR COATING - EXT CONC WALL CRACKS		07	EXT	NEG
0026	MEJ-B12	EXPANSION JOINT - BROWN FIBROUS - B12		12	104, W	NEG
0026	MC-B11-8	CAULK - GRAY EXT WINDOW - B11		11	EXT E, S	1.7 PC
0027	MCBM-B11	CONCRETE BLOCK MORTAR - B11		11	103, S	NEG
0027	MDWC-B1	DRYWALL & JOINT COMPOUND - B1		01	105, N	NEG
0027	MEJ-B12	EXPANSION JOINT - BROWN FIBROUS - B12		12	105, NW	NEG
0028	MDWC-B1	DRYWALL & JOINT COMPOUND - B1		01	106, S	NEG
0028	MC-B12-1	CAULK - LT GRAY (DOOR, SEAM) - B12		12	101, SE	NEG
0028	MCBM-B11	CONCRETE BLOCK MORTAR - B11		11	104, N	NEG

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Sample Number	Material Code	Material Description	Sample Comments	Building	Sample Location	Asbestos Content
0029	MCBM-B11	CONCRETE BLOCK MORTAR - B11		11	201, S	NEG
0029	MC-B12-1	CAULK - LT GRAY (DOOR, SEAM) - B12		12	102, NE	NEG
0029	MDWC-B1	DRYWALL & JOINT COMPOUND - B1		01	105, N	NEG
0030	MSC-B1-1	SINK LINING - PINK - B1		01	106, N	1.3 PC
0030	MCM-B11-1	CARPET MASTIC - TAN - B11		11	101, S	NEG
0030	MC-B12-1	CAULK - LT GRAY (DOOR, SEAM) - B12		12	103, W	NEG
0031	MCM-B11-1	CARPET MASTIC - TAN - B11		11	101, NE	NEG
0031	MCTM-B1-2	CERAMIC TILE & MASTIC - 1" WHITE - B1		01	106, NE	NEG
0031	MEF-B12	EPOXY FLOORING - B12		12	102, NW	NEG
0032	MCTM-B1-3	CERAMIC TILE & MASTIC - 6" WHITE - B1		01	106, NE	NEG
0032	MCM-B11-1	CARPET MASTIC - TAN - B11		11	101, W	NEG
0032	MEF-B12	EPOXY FLOORING - B12		12	102, N	NEG
0033	MEF-B12	EPOXY FLOORING - B12		12	102, N	NEG
0033	MMP-B1-1	MORTAR PATCH - GRAY - B1		01	107, SW	NEG
0033	MDWC-B11-1	DRYWALL & JOINT COMPOUND - SMOOTH - B11		11	102, SE	NEG
0034	MFSP-B1-1	FIRE STOP PACKING - RED - B1		01	107, SW	NEG
0034	MCTM-B12-1	CERAMIC TILE & MASTIC - 6"X6" BROWN - B12 (same in Bldg 11)		12	102, NW	NEG

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**TABLE 5
BULK MATERIAL SAMPLE SUMMARY
Sorted by Sample Number**

**Jefferson County Highway Complex
141 West Woolcock Street
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Project Reference #: 15216**

Sample Number	Material Code	Material Description	Sample Comments	Building	Sample Location	Asbestos Content
0034	MDWC-B11-1	DRYWALL & JOINT COMPOUND - SMOOTH - B11		11	202, E	NEG
0035	MCTM-B12-1	CERAMIC TILE & MASTIC - 6"X6" BROWN - B12 (same in Bldg 11)		12	102, N	NEG
0035	MFLC-B1-1	FLOOR LEVELING COMPOUND - WHITE - B1		01	108, SE	NEG
0035	MDWC-B11-1	DRYWALL & JOINT COMPOUND - SMOOTH - B11		11	203, N	NEG
0036	MFLC-B1-1	FLOOR LEVELING COMPOUND - WHITE - B1		01	108, SE	NEG
0036	MEJ-B11-1	EXPANSION JOINT - BROWN - B11		11	103, SE	NEG
0036	MCTM-B12-1	CERAMIC TILE & MASTIC - 6"X6" BROWN - B12 (same in Bldg 11)		12	102, N	NEG
0037	MCTM-B12-2	CERAMIC TILE & MASTIC - 4"X4" WHITE - B12 (same in Bldg 11)		12	102, N	NEG
0037	MFLC-B1-1	FLOOR LEVELING COMPOUND - WHITE - B1	GREY FLOOR TILE, POS; WHITE LEVELING COMPOUND, NEG; TAN MASTIC, NEG; BLACK MASTIC, NEG.	01	108, SE	2.8 PC
0037	MF12-B11-1	12" FLOOR TILE & MASTIC - CREAM W/GRAY FLECKS - B11 (Tile POS, Yellow Mastic NEG)	OFF WHITE/GREY FLOOR TILE, POS; YELLOW MASTIC, NEG.	11	101, NE	1.2 PC
0038	MF12-B11-1	12" FLOOR TILE & MASTIC - CREAM W/GRAY FLECKS - B11 (Tile POS, Yellow Mastic NEG)		11	101, S	NEG
0038	MB8M-B1	8" BRICK & MORTAR - B1		01	EXT W, N	NEG
0038	MCTM-B12-2	CERAMIC TILE & MASTIC - 4"X4" WHITE - B12 (same in Bldg 11)		12	102, N	NEG

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TABLE 5
BULK MATERIAL SAMPLE SUMMARY
Sorted by Sample Number

Jefferson County Highway Complex
141 West Woolcock Street
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Project Reference #: 15216

Sample Number	Material Code	Material Description	Sample Comments	Building	Sample Location	Asbestos Content
0039	MB8M-B1	8" BRICK & MORTAR - B1		01	EXT N, E	NEG
0039	MF12-B11-1	12" FLOOR TILE & MASTIC - CREAM W/GRAY FLECKS - B11 (Tile POS, Yellow Mastic NEG)		11	101, W	NEG
0039	MCTM-B12-2	CERAMIC TILE & MASTIC - 4"X4" WHITE - B12 (same in Bldg 11)		12	102, N	NEG
0040	MFL-B11-1	LINOLEUM & MASTIC - TAN W/BROWN & GRAY SPECKS - B11		11	102, NE	NEG
0040	MGBM-B12	GLASS BLOCK MORTAR - B12		12	102, NE	NEG
0040	MB8M-B1	8" BRICK & MORTAR - B1		01	EXT E, N	NEG
0041	MC-B1-3	CAULK - WHITE (EXT WINDOW) - B1		01	EXT W, N	NEG
0041	MDWC-B12	DRYWALL & JOINT COMPOUND - B12		12	102, NE	NEG
0041	MFL-B11-1	LINOLEUM & MASTIC - TAN W/BROWN & GRAY SPECKS - B11		11	102, NE	NEG
0042	MDWC-B12	DRYWALL & JOINT COMPOUND - B12		12	102, NW	NEG
0042	MFL-B11-1	LINOLEUM & MASTIC - TAN W/BROWN & GRAY SPECKS - B11		11	102, NE	NEG
0042	MC-B1-3	CAULK - WHITE (EXT WINDOW) - B1		01	EXT N, W	NEG
0043	MDWC-B12	DRYWALL & JOINT COMPOUND - B12		12	102, SE	NEG
0043	MMP-B11-1	MORTAR PATCH - GRAY - B11		11	201, NW	NEG
0043	MC-B1-3	CAULK - WHITE (EXT WINDOW) - B1		01	EXT E, N	NEG

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**TABLE 5
BULK MATERIAL SAMPLE SUMMARY
Sorted by Sample Number**

**Jefferson County Highway Complex
141 West Woolcock Street
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Sample Number	Material Code	Material Description	Sample Comments	Building	Sample Location	Asbestos Content
0044	MC-B1-4	CAULK - BROWN (WINDOW SILL) - B1		01	EXT W, C	NEG
0044	MPG-B11-1	WINDOW PANE GLAZING - CREAM - B11		11	102, SE	NEG
0044	MSCT-B12-1	SUSPENDED CEILING TILE - 2'X4' SMOOTH - B12		12	102, N	NEG
0045	MPG-B1-1	WINDOW PANE GLAZING - CREAM - B1		01	EXT W, C	1.2 PC
0045	MPG-B11-1	WINDOW PANE GLAZING - CREAM - B11		11	201, NE	NEG
0045	MSCT-B12-1	SUSPENDED CEILING TILE - 2'X4' SMOOTH - B12		12	102, N	NEG
0046	MPG-B11-1	WINDOW PANE GLAZING - CREAM - B11		11	201, SE	NEG
0046	MSCT-B12-1	SUSPENDED CEILING TILE - 2'X4' SMOOTH - B12		12	102, N	NEG
0046	MC-B1-5	CAULK - GRAY (EXT DOOR) - B1		01	EXT N, C	NEG
0047	MC-B12-2	CAULK - WHITE (LOCKER, URINAL) - B12		12	102, NE	NEG
0047	MEJ-B1	EXPANSION JOINT - BROWN - B1		01	EXT N, C	NEG
0047	MPM-B11-1	PANEL MASTIC - BROWN ON PLYWOOD ON SUBWAY TILE - B11		11	103, NE	NEG
0048	MTF-B12	TERRAZZO FLOOR - B12	CREAM SHOWER - LOCATED IN BUILDING 11	12	102, NE	NEG
0048	MPM-B11-2	PANEL MASTIC - WHITE PANEL RESTROOM - B11		11	102, S	NEG

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TABLE 5
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Jefferson County Highway Complex
141 West Woolcock Street
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Sample Number	Material Code	Material Description	Sample Comments	Building	Sample Location	Asbestos Content
0048	MRS-B1	ROOF SHINGLE - BROWN - B1		01	ROOF, NW	NEG
0049	MPRB-B11	PYRO BLOCK - B11		11	103, SE	NEG
0049	MPG-B12	WINDOW PANE GLAZING - TAN - B12		12	102, NE	NEG
0049	MRS-B1	ROOF SHINGLE - BROWN - B1		01	ROOF, NW	NEG
0050	MPRB-B11	PYRO BLOCK - B11		11	103, SE	NEG
0050	MVDC-B12-1	VINYL DUCT CONNECTOR - WHITE - B12		12	201, N	NEG
0050	MRS-B1	ROOF SHINGLE - BROWN - B1		01	ROOF, NW	NEG
0051	MVDC-B12-2	VINYL DUCT CONNECTOR - BLACK - B12		12	201, C	NEG
0051	NSC-B1	NO SAMPLE COLLECTED - B1	NO SAMPLE	01		
0051	MPRB-B11	PYRO BLOCK - B11		11	103, SE	NEG
0052	MPM-B1-2	PANEL MASTIC - DK BROWN ON STYROFOAM/CONC. BLOCK - B1	2 LAYERS: TAN MASTIC, POS; WHITE FOAM, NEG.	01	101, NW	2.5%
0052	TDI-B12	INSULATION BLANKET - B12		12	201, N	NEG
0052	MSCT-B11-1	SUSPENDED CEILING TILE - 2X2: WHITE W/PIN-HOLES - B11		11	101, SW	NEG
0053	MC-B12-3	CAULK - BROWN (WINDOWS) - B12		12	210, E	NEG
0053	MPM-B1-2	PANEL MASTIC - DK BROWN ON STYROFOAM/CONC. BLOCK - B1	2 LAYERS: TAN MASTIC, POS; WHITE FOAM, NEG.	01	101, NW	3.3%
0053	MSCT-B11-1	SUSPENDED CEILING TILE - 2X2: WHITE W/PIN-HOLES - B11		11	101, SE	NEG
0054	TF5F-B12	0-5" FITTING ON FIBERGLASS - B12		12	201, E	NEG

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**TABLE 5
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Sample Number	Material Code	Material Description	Sample Comments	Building	Sample Location	Asbestos Content
0054	MPM-B1-2	PANEL MASTIC - DK BROWN ON STYROFOAM/CONC. BLOCK - B1	2 LAYERS: TAN MASTIC, POS; WHITE FOAM, NEG.	01	101, NW	2.8%
0054	MSCT-B11-1	SUSPENDED CEILING TILE - 2X2: WHITE W/PIN-HOLES - B11		11	101, NE	NEG
0055	TF5F-B12	0-5" FITTING ON FIBERGLASS - B12		12	201, C	NEG
0055	MPC-B1	CAULK - BLACK (PIPE PENETRATION ON EXT WALL) - B1		01	107, NW	NEG
0055	MSCT-B11-2	SUSPENDED CEILING TILE - 2X4 WHITE SMOOTH - B11		11	102, CF	NEG
0056	TF5F-B12	0-5" FITTING ON FIBERGLASS - B12		12	201, W	NEG
0056	MSCT-B11-3	SUSPENDED CEILING TILE - 2X2 FOOT: WHITE FISSURES; PINHOLES - B11		11	202, S	NEG
0057	MSCT-B11-3	SUSPENDED CEILING TILE - 2X2 FOOT: WHITE FISSURES; PINHOLES - B11		11	203, NE	NEG
0057	TF10F-B12	6-10" FITTING ON FIBERGLASS PIPE INSULATION - B12		12	201, C	NEG
0058	MSCT-B11-3	SUSPENDED CEILING TILE - 2X2 FOOT: WHITE FISSURES; PINHOLES - B11		11	203, W	NEG
0058	MC-B12-4	CAULK - WHITE (STICKY AT INSULATION/EXT WALL) - B12		12	201, E	2.3 PC
0059	MSWT-B11	SUBWAY TILE - BROWN OR CREAM - B11		11	101, S	NEG
0059	MC-B12-5	CAULK - BROWN (SEAM BETWEEN CONCRETE-WALL PANEL) - B12		12	105, NW	1.4 PC

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**TABLE 5
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Sample Number	Material Code	Material Description	Sample Comments	Building	Sample Location	Asbestos Content
0060	MC-B12-6	CAULK - CREAM (DUCT) - B12		12	106, NE	NEG
0060	MSWT-B11	SUBWAY TILE - BROWN OR CREAM - B11		11	102, N	NEG
0061	MC-B12-7	CAULK - TAN (HORIZONTAL PANEL) - B12		12	EXT S, C	NEG
0061	MSWT-B11	SUBWAY TILE - BROWN OR CREAM - B11		11	103, SE	NEG
0062	MTF-B11-1	TERRAZZO FLOOR - BROWN SINK - B11		11	102, W	NEG
0062	MC-B12-8	CAULK - DK BROWN (PANEL UNDERSIDE) - B12		12	EXT S, C	1.6 PC
0063	MC-B12-9	CAULK - WHITE (PANEL UNDERSIDE) - B12		12	EXT E, S	NEG
0063	MV4-B11-1	4" VINYL BASEBOARD & MASTIC - BROWN - B11		11	101, S	NEG
0064	MWG-B11-1	WINDOW GLAZE - CREAM - B11		11	101, S	NEG
0064	MC-B12-10	CAULK - WHITE (WALL PENETRATION) - B12		12	EXT E, C	NEG
0065	MC-B12-11	CAULK - LT GRAY WINDOW		12	EXT E, C	NEG
0065	MWSC-B11	WALL SKIM COATING - B11		11	103, SE	NEG
0066	MC-B12-12	CAULK - DK BROWN WINDOW	DARK BROWN CAULK, NEG; BLACK PUTTY, POS	12	EXT E, C	3.5 PC
0066	MWSC-B11	WALL SKIM COATING - B11		11	103, SE	NEG
0067	MWSC-B11	WALL SKIM COATING - B11		11	103, SE	NEG
0068	SPI-C-B11	PLASTER - CEILING - B11		11	101, SW	NEG

Notes:

sf = Square Feet ND = Not detected
lf = Linear Feet NA = Not analyzed
E = Each PC = Point counted

Printed On:

2/26/2015

The Sigma Group, Inc.

Page 21 of 23

**TABLE 5
BULK MATERIAL SAMPLE SUMMARY
Sorted by Sample Number**

**Jefferson County Highway Complex
141 West Woolcock Street
Jefferson, Wisconsin
Project Reference #: 15216**

Sample Number	Material Code	Material Description	Sample Comments	Building	Sample Location	Asbestos Content
0069	SPI-C-B11	PLASTER - CEILING - B11		11	102, E	NEG
0070	SPI-C-B11	PLASTER - CEILING - B11		11	201, SW	NEG
0071	SPI-C-B11	PLASTER - CEILING - B11		11	201, SW	NEG
0072	SPI-C-B11	PLASTER - CEILING - B11		11	201, SW	NEG
0073	TF5F-B11	0-5" FITTING ON FIBERGLASS - B11		11	102, N	NEG
0074	MCTM-B11-1	CERAMIC TILE & MASTIC - 4" WHITE W/BROWN TRIM - B11 (Same as Bldg 12 MCTM-B12-1&2)	Same as Samples 37, 38, 39 collected in B-12	11		NEG
0075	MCTM-B11-2	CERAMIC TILE & MASTIC - 6"X6" BROWN - B11 (Same as Bldg 12 MCTM-B12-1&2)	Same as Samples 34, 35, 36 collected in B-12	11		NEG
ATC01	MBR-B1	BUILT UP ROOF - UNKNOWN - B1		01		ATC
ATC02	MEP-B1	ELECTRICAL PANEL - B1		01		ATC
ATC03	MP-B1	ROOF PARAPET - ENCLOSED UNDER PEAKED ROOF, NOT OBSERVED, ATC - B1		01		ATC
ATC04	MRF-B1	ROOF FLASHING - B1		01		ATC
ATC05	MTWR-B1	TOILET WAX RING - ATC - B1		01		ATC
ATC06	TF5F-B1	0-5" FITTING ON FIBERGLASS - B1		01		ATC
ATC07	TM5-B1	0-5" MAGNESIA PIPE INSULATION - B1		01		ATC
ATC08	MEP-B2	ELECTRICAL PANEL - B2		02		ATC
ATC09	MEP-B4	ELECTRICAL PANEL - B4		04		ATC

Notes:

sf = Square Feet
lf = Linear Feet
E = Each

ND = Not detected
NA = Not analyzed
PC = Point counted

Printed On:

2/26/2015

The Sigma Group, Inc.

Page 22 of 23

**TABLE 5
BULK MATERIAL SAMPLE SUMMARY
Sorted by Sample Number**

Jefferson County Highway Complex
141 West Woolcock Street
Jefferson, Wisconsin
Project Reference #: 15216

Sample Number	Material Code	Material Description	Sample Comments	Building	Sample Location	Asbestos Content
ATC10	MEP-B6	ELECTRICAL PANEL - GRAY - B6		06		ATC
ATC11	MEP-B7	ELECTRICAL PANEL - B7		07		ATC
ATC13	MEP-B9	ELECTRICAL PANEL - B9		09		ATC
ATC15	MEP-B11-1	ELECTRICAL PANEL - GRAY - B11		11		ATC
ATC16	MTF-B11-2	TERRAZZO FLOOR - CREAM SHOWER - B11	REFER TO SAMPLE 48 IN BUILDING 12 FOR RESULTS	11		NEG
ATC17	MTWR-B11	TOILET WAX RING - ATC - B11		11		ATC
ATC18	MEP-B12	ELECTRICAL PANEL - B12		12		ATC
ATC19	MTWR-B12	TOILET WAX RING - ATC - B12		12		ATC
ATC20	MEP-B13	ELECTRICAL PANEL - B13		13		ATC
ATC21	MEP-B14-1	ELECTRICAL PANEL - GRAY - B14		14		ATC
ATC22	MRF-B1	ROOF FLASHING - B1		01	EXT	ATC %

Notes:

sf = Square Feet
lf = Linear Feet
E = Each

ND = Not detected
NA = Not analyzed
PC = Point counted

FIGURES / FIELD SKETCHES



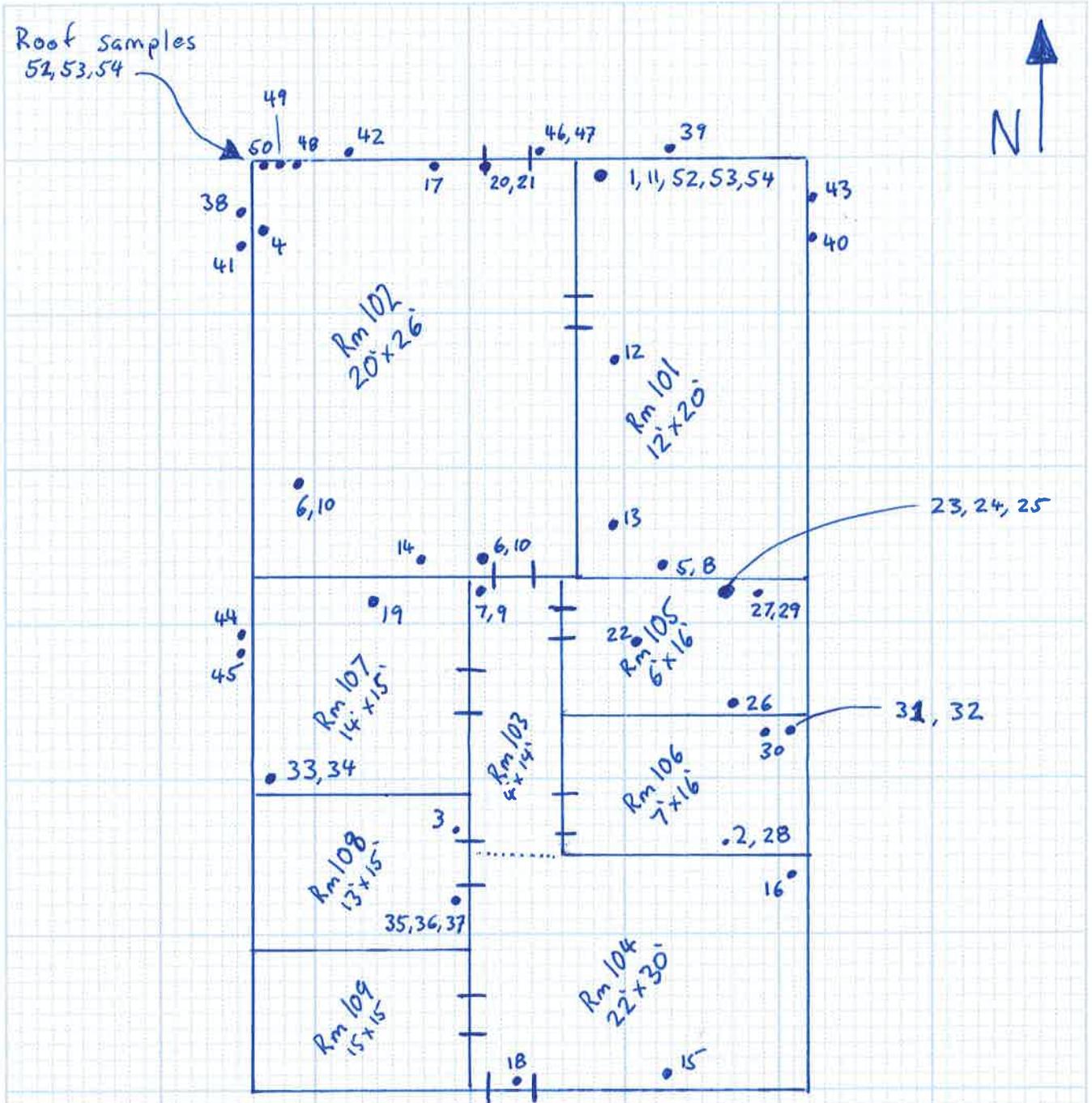
BUILDING LOCATION MAP

141 WEST WOOLCOCK STREET
JEFFERSON, WISCONSIN

FIGURE

1

For Building #1 sample locations



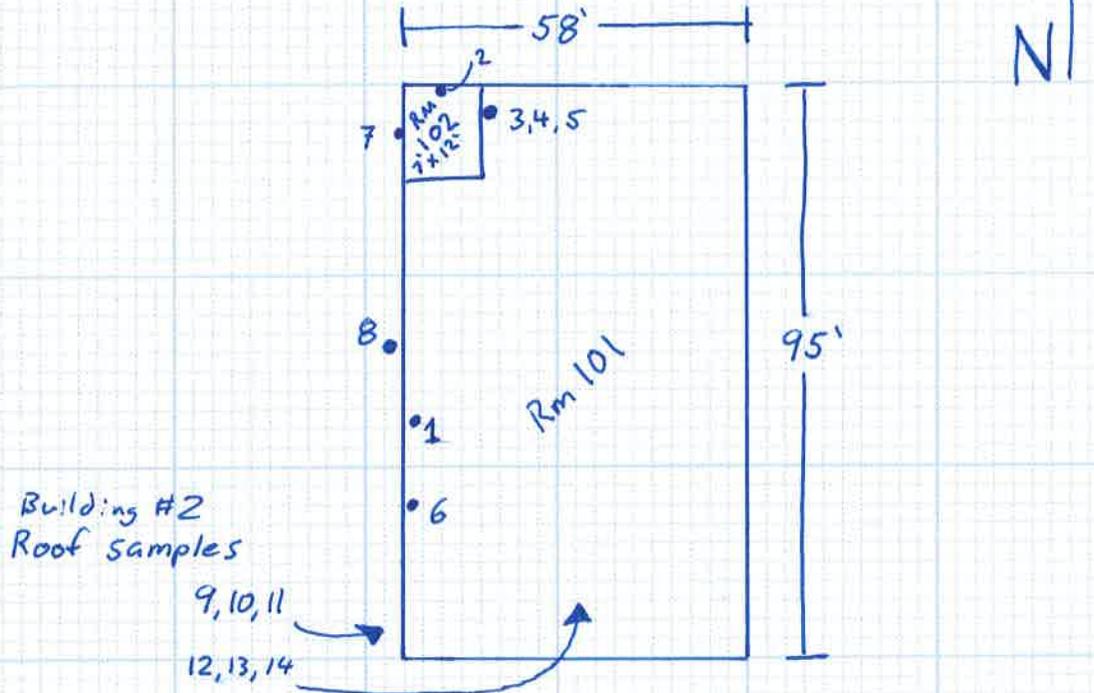
Building #1 sample locations 1-50, 52-54

• = Sample
 Dimensions are approximate

FIGURE 2

For Sample locations for buildings 2 + 3

Building # 2



Building #3

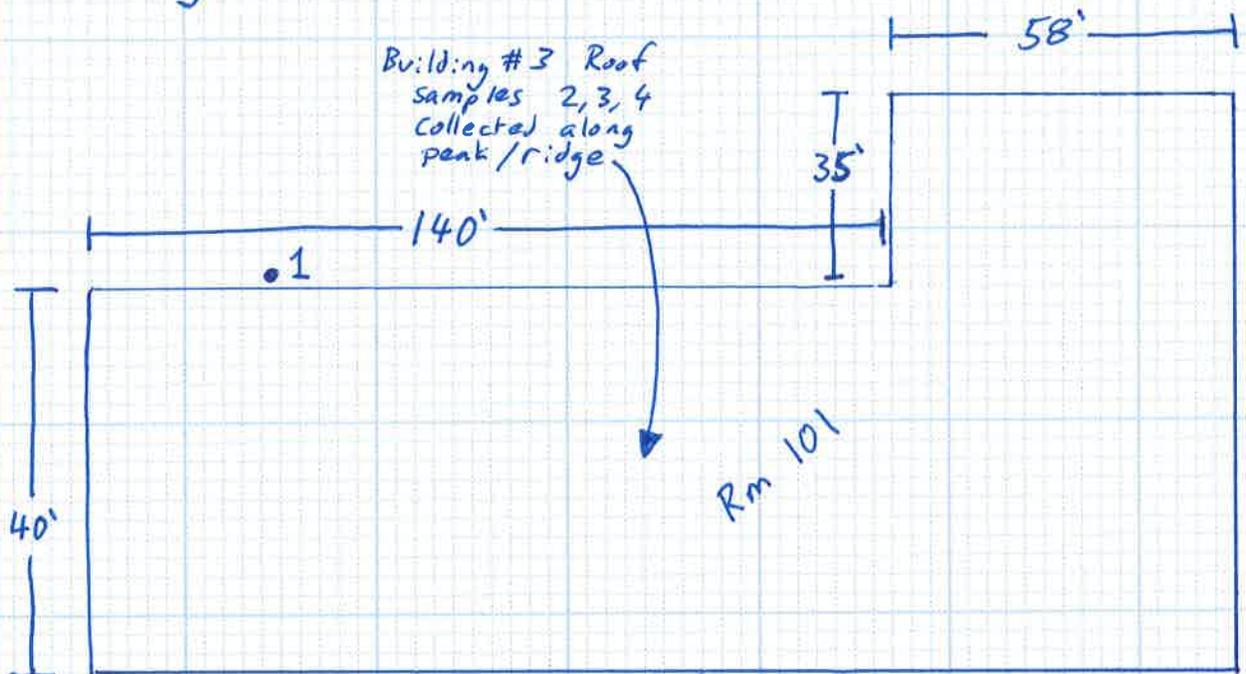
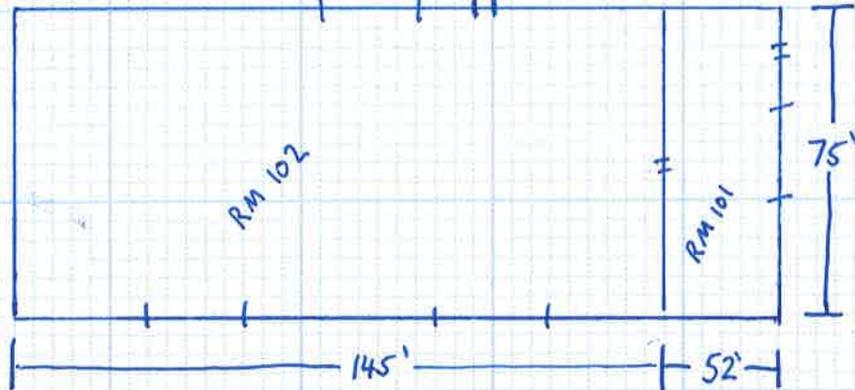


FIGURE 3

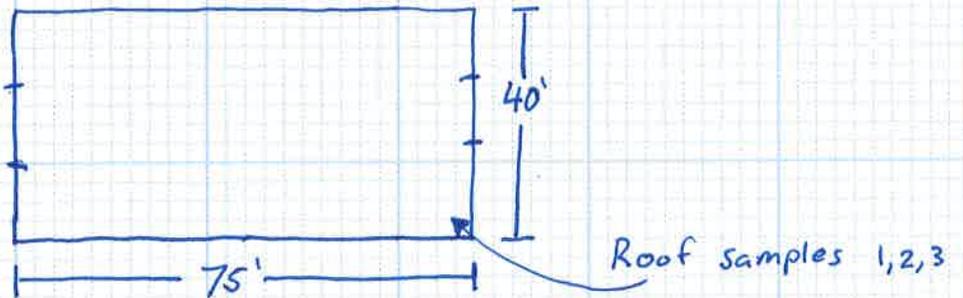
For *Sample locations for buildings 4, 5, + 6*

Building #4

No samples collected - while not observed, a potential for seam tar exists between exterior metal panels.



Building #5



Building #6

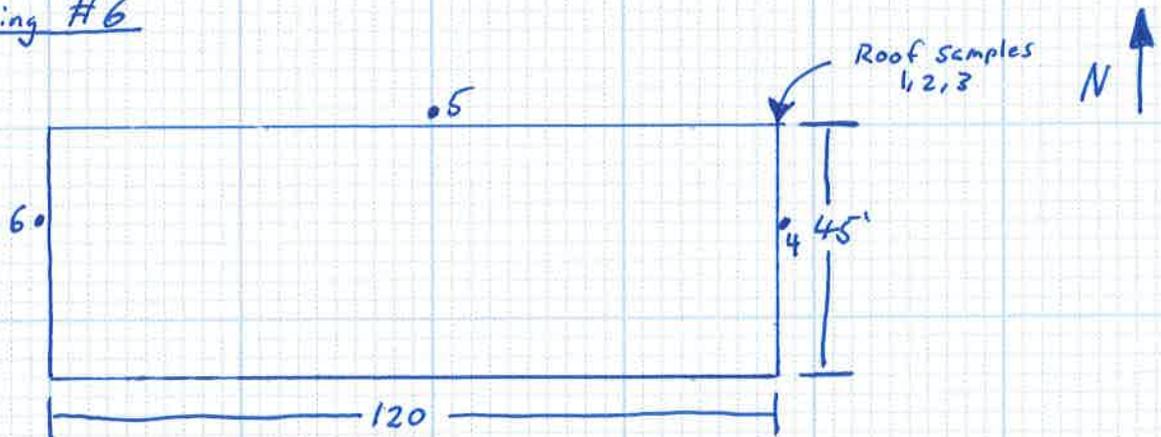
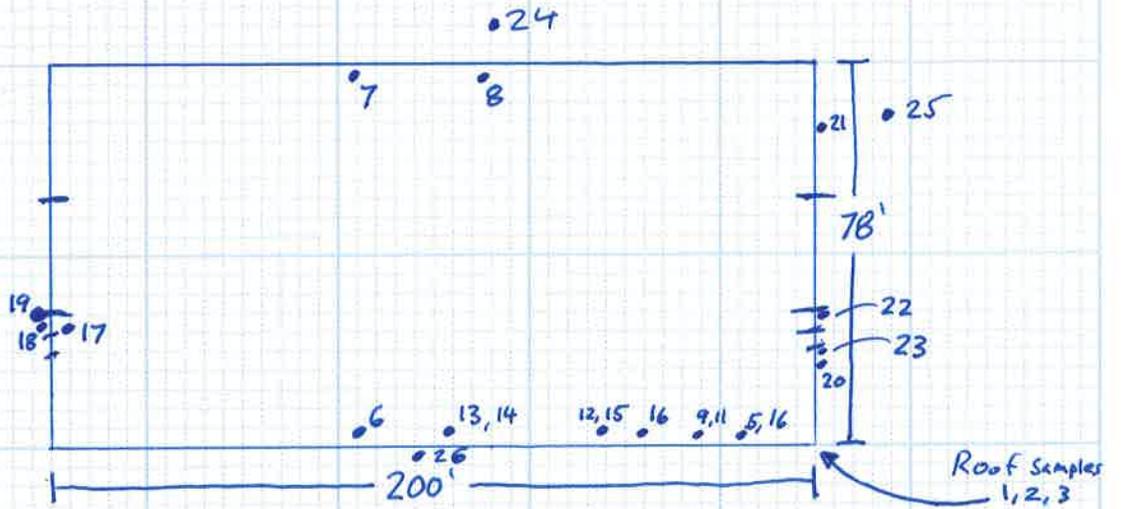


FIGURE 4

For

Building # 7



Building # 8

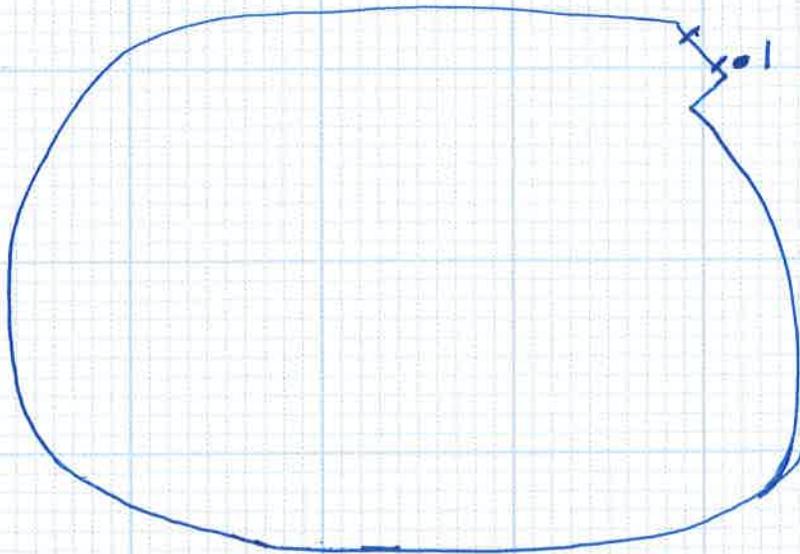
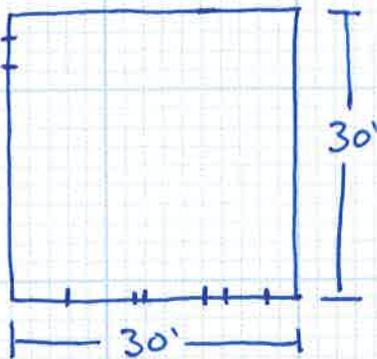


FIGURE 5

THE SIGMA GROUP Single Source, Sound Solutions.	Made by <i>PEH</i>	Date <i>1/20-29/15</i>	Project No. <i>15216</i>
	Checked by	Date	Sheet No.
For			

Building #9

No samples collected.



Building #10, #11, #12, #13, + #14

Building 11 is the original structure with two additions to the south (12+13) and two additions to the north (10+14).

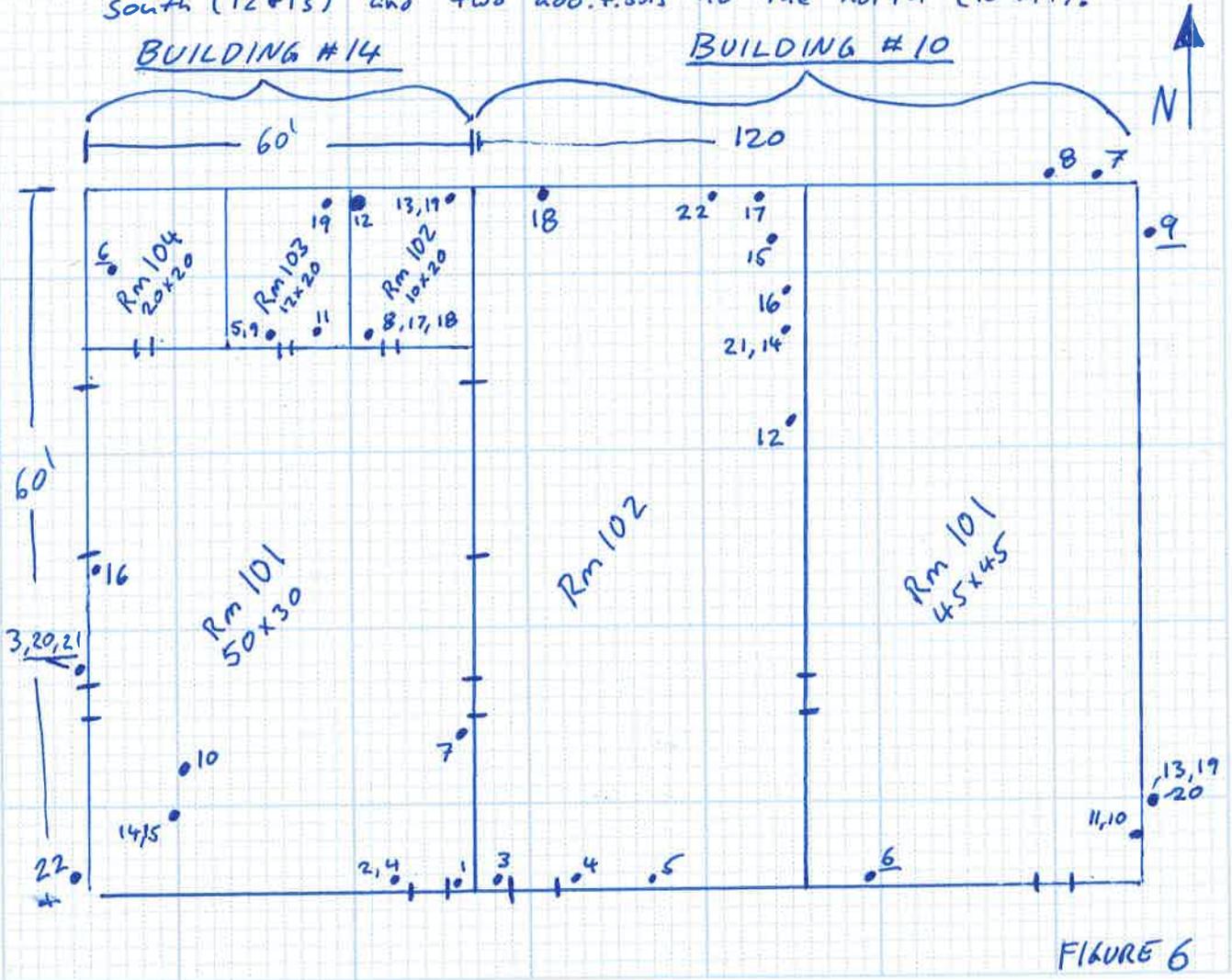
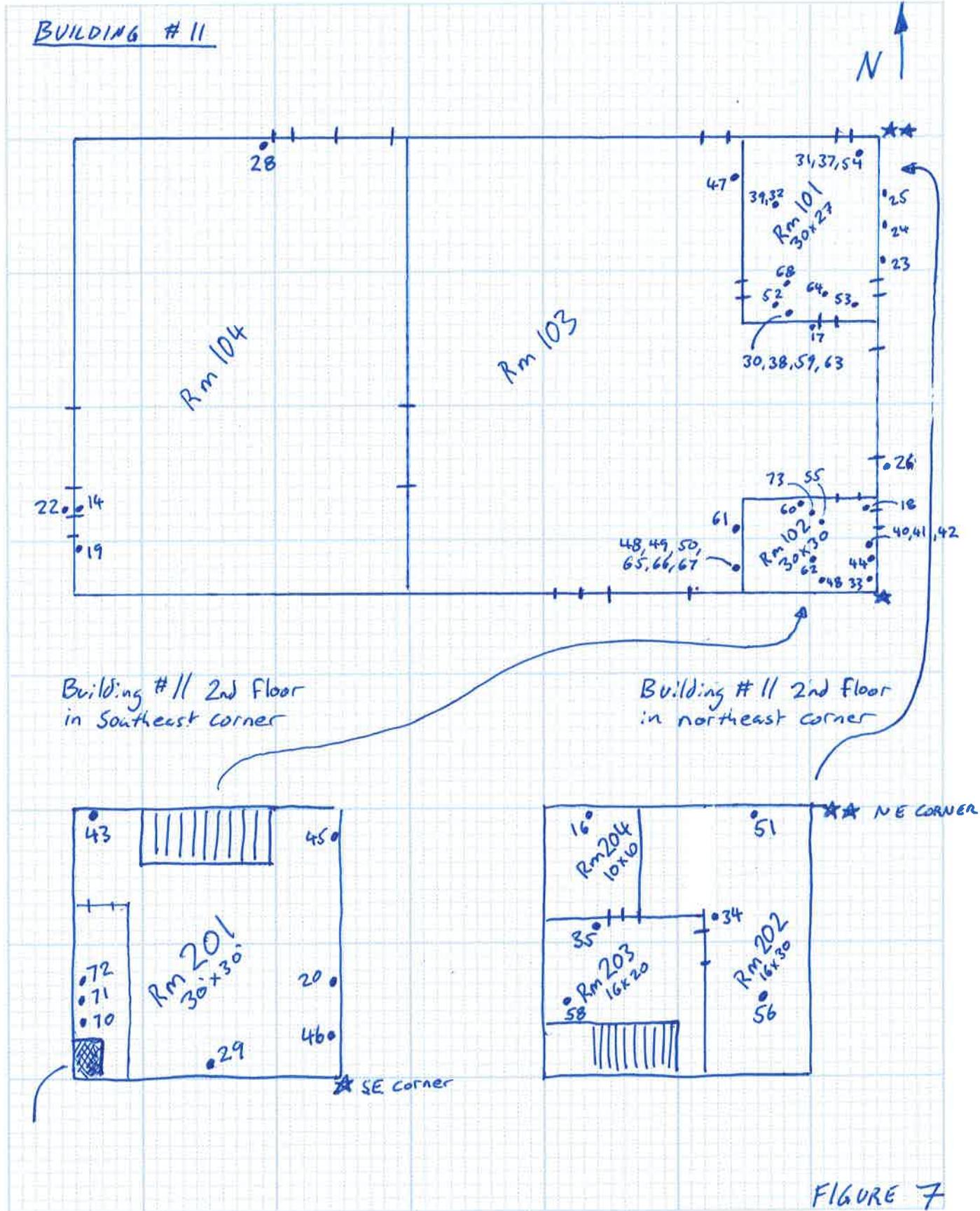
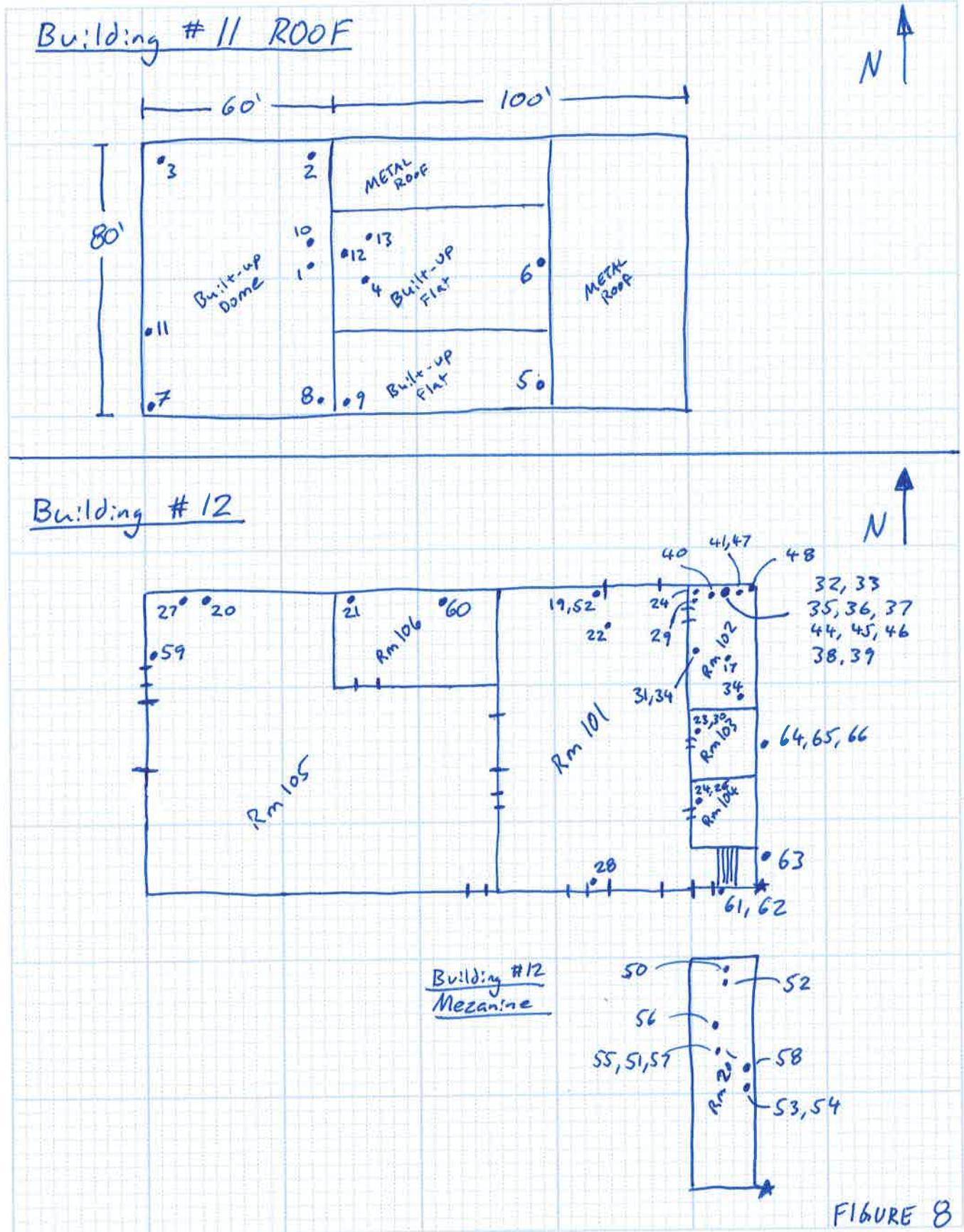


FIGURE 6

THE SIGMA GROUP Single Source. Sound Solutions.	Made by <i>PEH</i>	Date <i>1/20-29/15</i>	Project No. <i>15216</i>
	Checked by	Date	Sheet No.
For			



For



For

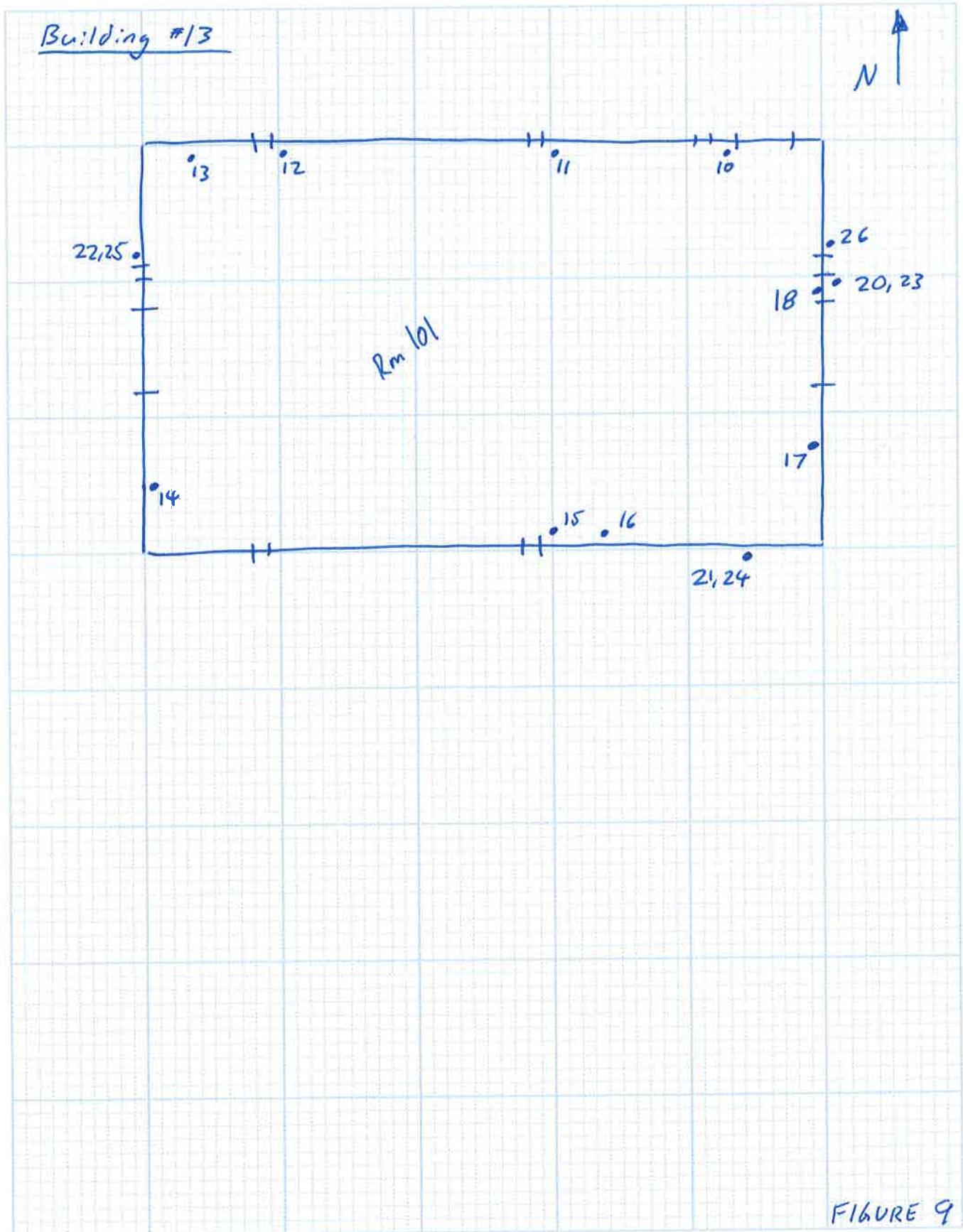


FIGURE 9

APPENDIX A

Credentials – Wisconsin Certified Asbestos Inspectors



ASBESTOS SUPERVISOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dale Cameron Armbruster

823 Blaine Ave

Racine WI 53405-2407

		215 lbs	5' 10"
ACS-156285	Exp: 06/17/2015	03/23/1960	Male

Training due by: 06/17/2015



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dale Cameron Armbruster

823 Blaine Ave

Racine WI 53405-2407

215 lbs	5' 10"
---------	--------

AII-156285	Exp: 05/05/2015	03/23/1960	Male
------------	-----------------	------------	------

Training due by: 05/05/2015



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Philip Edward Herout

3703 Rio Vista Rd

Racine WI 53404-1427

		190 lbs	5' 11"
All-216275	Exp: 12/03/2015	03/05/1987	Male

Training due by: 12/03/2015

APPENDIX B

Laboratory

Certificate of Analysis



9000 Commerce Parkway, Ste B
 Mount Laurel, NJ 08054
 Toll Free 877-428-4285
 Local: 856-231-9449
 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/6/2015
Report No: 355363
Project: Building 1
Project No.: 15216-01

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538819	Description / Location: White/Tan Ceiling Tile; 2'			
Client No.: 01	101; NW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	65	Cellulose	30
		5	Mineral Wool	

Lab No.: 5538820	Description / Location: White/Tan Ceiling Tile; 2'			
Client No.: 02	106; S			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	65	Cellulose	30
		5	Mineral Wool	

Lab No.: 5538821	Description / Location: White/Tan Ceiling Tile; 2'			
Client No.: 03	108; E			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	65	Cellulose	30
		5	Mineral Wool	

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
 This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: M. Mirza

Approved By: 

Date: 2/4/2015

Frank E. Ehrenfeld, III
 Laboratory Director



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Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/6/2015
Report No: 355363
Project: Building 1
Project No.: 15216-01

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538822	Description / Location: Tan Ceramic Tile			
Client No.: 04	102; NW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538822	Description / Location: Grey Cementitious	Layer No.: 2		
Client No.: 04	102; NW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538823	Description / Location: Tan Mastic; A/W Carpet			
Client No.: 05	101; SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538824	Description / Location: Tan Mastic; A/W Carpet			
Client No.: 06	102; SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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Analytical Method:

US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments:

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Analysis Performed By: M. Mirza

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client:	Sigma Environmental Services	Report Date:	2/6/2015
	1300 West Canal Street	Report No.:	355363
	Milwaukee WI 53233	Project:	Building 1
		Project No.:	15216-01

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	5538825	Description / Location:	Tan/White Mastic/Leveling Compound	
Client No.:	07		A/W Carpet; 103; NW	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5538825	Description / Location:	Grey Cementitious	Layer No.: 2
Client No.:	07		A/W Carpet; 103; NW	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: M. Mirza

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client:	Sigma Environmental Services	Report Date:	2/6/2015
	1300 West Canal Street	Report No.:	355363
	Milwaukee WI 53233	Project:	Building 1
		Project No.:	15216-01

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	5538826	Description / Location:	Grey Floor Tile	
Client No.:	08		101; SW	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 3.2	Chrysotile	None Detected	None Detected	PC 96.8

Lab No.:	5538826	Description / Location:	Tan Mastic		Layer No.:	2
Client No.:	08		101; SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>		
None Detected	None Detected	None Detected	None Detected	100		

Lab No.:	5538826	Description / Location:	Black Mastic		Layer No.:	3
Client No.:	08		101; SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>		
None Detected	None Detected	None Detected	None Detected	100		

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analysis Performed By: M. Mirza

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services 1300 West Canal Street Milwaukee WI 53233	Report Date: 2/6/2015 Report No: 355363 Project: Building 1 Project No.: 15216-01
---	--

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538827	Description / Location: Tan Mastic		
Client No.: 09	A/W Floor Tile; 103; NW		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 5538827	Description / Location: Black Mastic		Layer No.: 2
Client No.: 09	A/W Floor Tile; 103; NW		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 5538828	Description / Location: Tan Mastic		
Client No.: 10	A/W Floor Tile; 102; SW		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 5538828	Description / Location: Black Mastic		Layer No.: 2
Client No.: 10	A/W Floor Tile; 102; SW		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Accreditation	NIST-NVLAP No. 101165-0	NY-DOH No. 11021	AIHA-LAP, LLC No. 100188
----------------------	--------------------------------	-------------------------	---------------------------------

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: M. Mirza

Date: 2/4/2015



9000 Commerce Parkway, Ste B
 Mount Laurel, NJ 08054
 Toll Free 877-428-4285
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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/6/2015
Report No: 355363
Project: Building 1
Project No.: 15216-01

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538829 **Description / Location:** White/Tan Ceiling Tile; 1'
Client No.: 11 101; NW

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	98	Cellulose	2

Lab No.: 5538830 **Description / Location:** White/Tan Ceiling Tile; 1'
Client No.: 12 101; W

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	98	Cellulose	2

Lab No.: 5538831 **Description / Location:** White/Tan Ceiling Tile; 1'
Client No.: 13 101; SW

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	98	Cellulose	2

Lab No.: 5538832 **Description / Location:** White/Tan Ceiling Tile; 1'
Client No.: 14 102; S

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	98	Cellulose	2

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: M. Mirza

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client:	Sigma Environmental Services	Report Date:	2/6/2015
	1300 West Canal Street	Report No.:	355363
	Milwaukee WI 53233	Project:	Building 1
		Project No.:	15216-01

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	5538833	Description / Location:	White/Tan Ceiling Tile; 1'	
Client No.:	15		104; S	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	98	Cellulose	2

Lab No.:	5538834	Description / Location:	White/Tan Ceiling Tile; 1'	
Client No.:	16		104; NE	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	98	Cellulose	2

Lab No.:	5538835	Description / Location:	Grey Mortar; A/W Concrete Block	
Client No.:	17		102; N	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5538836	Description / Location:	Grey Mortar; A/W Concrete Block	
Client No.:	18		104; SW	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/6/2015
Report No: 355363
Project: Building 1
Project No.: 15216-01

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538837	Description / Location: Grey Mortar; A/W Concrete Block			
Client No.: 19	107; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538838	Description / Location: Brown Cove Base			
Client No.: 20	102; NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538838	Description / Location: Yellow Mastic	Layer No.: 2		
Client No.: 20	102; NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538839	Description / Location: Lt.Tan Caulk; A/W Door			
Client No.: 21	102; NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

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 1300 West Canal Street
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Report Date: 2/6/2015
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Project: Building 1
Project No.: 15216-01

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538840	Description / Location: Tan Ceramic Tile; 1x2, 2x2			
Client No.: 22	105; C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538840	Description / Location: Grey Mortar	Layer No.: 2		
Client No.: 22	105; C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538840	Description / Location: Grey Grout	Layer No.: 3		
Client No.: 22	105; C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

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Report Date: 2/6/2015
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Project: Building 1
Project No.: 15216-01

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538841	Description / Location: White/Brown Fibrous			
Client No.: 23	Panel; 105; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	98	Cellulose	2

Lab No.: 5538841	Description / Location: Tan Mastic	Layer No.: 2		
Client No.: 23	Panel; 105; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538842	Description / Location: White/Brown Fibrous			
Client No.: 24	Panel; 105; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	98	Cellulose	2

Lab No.: 5538842	Description / Location: Tan Mastic	Layer No.: 2		
Client No.: 24	Panel; 105; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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Analytical Method:

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Comments:

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538843	Description / Location: White/Brown Fibrous			
Client No.: 25	Panel; 105; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	98	Cellulose	2

Lab No.: 5538843	Description / Location: Tan Mastic	Layer No.: 2		
Client No.: 25	Panel; 105; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538844	Description / Location: White Caulk			
Client No.: 26	A/W Bathroom; 105; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538845	Description / Location: White Plaster			
Client No.: 27	105; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

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CERTIFICATE OF ANALYSIS

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	Milwaukee WI 53233	Project:	Building 1
		Project No.:	15216-01

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	5538846	Description / Location:	White Plaster	
Client No.:	28		106; S	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5538847	Description / Location:	Off-White Plaster	
Client No.:	29		105; N	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5538848	Description / Location:	Pink Insulation	
Client No.:	30		Sink Coating; 106; N	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.3	Chrysotile	None Detected	None Detected	PC 98.7

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538849	Description / Location: White Ceramic Tile; 1"			
Client No.: 31	106; NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538849	Description / Location: Tan Mastic	Layer No.: 2		
Client No.: 31	106; NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538849	Description / Location: Grey Grout	Layer No.: 3		
Client No.: 31	106; NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538850	Description / Location: White Ceramic Tile; 6"			
Client No.: 32	106; NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538850	Description / Location: Tan Mastic	Layer No.: 2		
Client No.: 32	106; NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538850	Description / Location: White Caulk	Layer No.: 3		
Client No.: 32	106; NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538851	Description / Location: Grey Mortar; Patch			
Client No.: 33	107; SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538852	Description / Location: Red Caulk; Firestop Packing			
Client No.: 34	107; SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	2	Fibrous Glass	98

Lab No.: 5538853	Description / Location: White Leveling Compound			
Client No.: 35	108; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538853	Description / Location: Tan Mastic	Layer No.: 2		
Client No.: 35	108; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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		Project No.:	15216-01

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	5538854	Description / Location:	White Leveling Compound	
Client No.:	36		108; SE	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5538854	Description / Location:	Tan Mastic	Layer No.:	2
Client No.:	36		108; SE		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	None Detected	None Detected	100	

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: M. Mirza

Date: 2/4/2015



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 Toll Free 877-428-4285
 Local: 856-231-9449
 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client:	Sigma Environmental Services	Report Date:	2/6/2015
	1300 West Canal Street	Report No.:	355363
	Milwaukee WI 53233	Project:	Building 1
		Project No.:	15216-01

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	5538855	Description / Location:	White Leveling Compound	
Client No.:	37		108; SE	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5538855	Description / Location:	Tan Mastic		Layer No.:	2
Client No.:	37		108; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>		
None Detected	None Detected	None Detected	None Detected	100		

Lab No.:	5538855	Description / Location:	Grey Floor Tile		Layer No.:	3
Client No.:	37		108; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>		
PC 2.8	Chrysotile	None Detected	None Detected	PC 97.2		

Lab No.:	5538855	Description / Location:	Black Mastic		Layer No.:	4
Client No.:	37		108; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>		
None Detected	None Detected	None Detected	None Detected	100		

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Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: M. Mirza

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/6/2015
Report No: 355363
Project: Building 1
Project No.: 15216-01

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538856	Description / Location: Grey Mortar; A/W 8" Brick			
Client No.: 38	Ext W; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538857	Description / Location: Grey Mortar; A/W 8" Brick			
Client No.: 39	Ext N; E			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538858	Description / Location: Grey Mortar; A/W 8" Brick			
Client No.: 40	Ext E; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538859	Description / Location: White Caulk; A/W Window			
Client No.: 41	Ext W; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analysis Performed By: M. Mirza

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/6/2015
Report No: 355363
Project: Building 1
Project No.: 15216-01

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538860	Description / Location: White Caulk; A/W Window			
Client No.: 42	Ext N; W			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538861	Description / Location: White Caulk; A/W Window			
Client No.: 43	Ext E; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538862	Description / Location: Brown Caulk; A/W Window Sill			
Client No.: 44	Ext W C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538863	Description / Location: Lt.Grey Glazing; A/W Window			
Client No.: 45	Ext W; C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.2	Chrysotile	None Detected	None Detected	PC 98.8

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: M. Mirza

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client:	Sigma Environmental Services	Report Date:	2/6/2015
	1300 West Canal Street	Report No:	355363
	Milwaukee WI 53233	Project:	Building 1
		Project No.:	15216-01

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	5538864	Description / Location:	White Caulk; A/W Door	
Client No.:	46		Ext N; C	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5538865	Description / Location:	Black Tar; Expansin Joint	
Client No.:	47		Ext N; C	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	5	Cellulose	90
		5	Fibrous Glass	

Lab No.:	5538866	Description / Location:	Brown/Black Shingle	
Client No.:	48		Roof; NW	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	5	Fibrous Glass	95

Lab No.:	5538866	Description / Location:	Black Shingle	Layer No.: 2
Client No.:	48		Roof; NW	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	10	Fibrous Glass	90

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

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Analysis Performed By: M. Mirza

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/6/2015
Report No: 355363
Project: Building 1
Project No.: 15216-01

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538867	Description / Location: Brown/Black Shingle			
Client No.: 49	Roof; NW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	5	Fibrous Glass	95

Lab No.: 5538867	Description / Location: Black Shingle	Layer No.: 2		
Client No.: 49	Roof; NW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	10	Fibrous Glass	90

Lab No.: 5538868	Description / Location: Brown/Black Shingle			
Client No.: 50	Roof; NW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	5	Fibrous Glass	95

Lab No.: 5538868	Description / Location: Black Shingle	Layer No.: 2		
Client No.: 50	Roof; NW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	10	Fibrous Glass	90

Accreditation

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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Analytical Method:

US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments:

Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: M. Mirza

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client:	Sigma Environmental Services	Report Date:	2/6/2015
	1300 West Canal Street	Report No.:	355363
	Milwaukee WI 53233	Project:	Building 1
		Project No.:	15216-01

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	5538869	Description / Location:	Brown Mastic	
Client No.:	52		A/W Panel; 101; NW	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 2.5	Chrysotile	None Detected	None Detected	PC 97.5

Amended COA. Result change from report dated 2/4/2015. See the attached QC report.

Lab No.:	5538869	Description / Location:	White Foam	Layer No.:	2
Client No.:	52		A/W Panel; 101; NW		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	None Detected	None Detected	100	

Amended COA. Result change from report dated 2/4/2015. See the attached QC report.

Lab No.:	5538870	Description / Location:	Brown Mastic	
Client No.:	53		A/W Panel; 101; NW	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 3.3	Chrysotile	None Detected	None Detected	PC 96.7

Amended COA. Result change from report dated 2/4/2015. See the attached QC report.

Lab No.:	5538870	Description / Location:	White Foam	Layer No.:	2
Client No.:	53		A/W Panel; 101; NW		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	None Detected	None Detected	100	

Amended COA. Result change from report dated 2/4/2015. See the attached QC report.

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: L. Solebello

Date: 2/6/2015



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CERTIFICATE OF ANALYSIS

Client:	Sigma Environmental Services	Report Date:	2/6/2015
	1300 West Canal Street	Report No.:	355363
	Milwaukee WI 53233	Project:	Building 1
		Project No.:	15216-01

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	5538871	Description / Location:	Brown Mastic	
Client No.:	54		A/W Panel; 101; NW	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 2.8	Chrysotile	None Detected	None Detected	PC 97.2

Amended COA. Result change from report dated 2/4/2015. See the attached QC report.

Lab No.:	5538871	Description / Location:	White Foam	Layer No.:	2
Client No.:	54		A/W Panel; 101; NW		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>	
None Detected	None Detected	None Detected	None Detected	100	

Amended COA. Result change from report dated 2/4/2015. See the attached QC report.

Lab No.:	5538872	Description / Location:	Black Putty	
Client No.:	55		A/W Pipe; 107; NW	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analysis Performed By: M. Mirza

Date: 2/4/2015

Quality Control Report

Client: Sigma Environmental Services
1300 West Canal Street
Milwaukee WI 53233

Date: 2/6/2015
Report No.: 355363
Project: Building 1
Project No.: 15216-01

Attn: Ross Creighton

The attached represent data from QA/QC activities at IATL. Specifically, a re-analysis was conducted on the sample(s) listed below using the method indicated. Interpretation of the data is summarized below. If further questions remain, IATL, in accordance with internal QC procedures, can send remaining portions of samples to a secondary laboratory for further analysis.

Analytical

- EPA 600/R-93.116, "Method for the Determination of Asbestos in Bulk Building Materials"
- ELAP 198.1, "Stratified Point Count Method for Quantitation"

Instrumentation:

- PLM / Polarized Light Microscopy
- TEM / Transmission Electron Microscopy

Quality

- QC Comparison by 'R' Value Test ELAP October 15, 1999

Project Timeline:

Received:	Dawn D'Orazio	1/29/15		
Analyzed:	Muhammad Mirza	2/4/15		
Preliminary Results:	Office Personnel	2/5/15		
COA Release:	Deborah Cassidy	2/5/15	Analytical	
QA Analysis:	Rebecca Hargrove	2/6/15	Outlier	15020602
QC Analysis:	Lou Solebello	2/6/15	Report	
Amended Report:	John Napolitan	2/6/15		

Summary of QC Data:

<u>IATL / Client ID</u>	<u>1° Analysis</u>	<u>2° Analysis</u>	<u>3° Analysis</u>	<u>Comments</u>
5538819 01	None Detected	None Detected		White/Tan Ceiling Tile; 2'
5538823 05	None Detected	None Detected		Tan Mastic; A/W Carpet
5538824 06	None Detected	None Detected		Tan Mastic; A/W Carpet
5538829 11	None Detected	None Detected		White/Tan Ceiling Tile; 1'

PC 'Trace' is equivalent to <0.25% or less than detection limit by 400 point count quantitative methods.

Summary of QC Data:(Continued)

<u>IATL / Client ID</u>	<u>1° Analysis</u>	<u>2° Analysis</u>	<u>3° Analysis</u>	<u>Comments</u>
5538835 17	None Detected	None Detected		Grey Mortar; A/W Concrete Block
5538869 52	None Detected	10% Chrysotile	2.5% Chrysotile	Brown Mastic
5538869 52	None Detected	None Detected		White Foam
5538870 53	None Detected	3.3% Chrysotile	Revised	Brown Mastic
5538871 54	None Detected	2.8% Chrysotile	Revised	Brown Mastic

Discussion of QC Data:

These samples were quantified using both calibrated visual area estimation (CVAE) and point counting (PC) techniques as described by NESHAP, EPA600 documents, and ELAP 198.1. IATL utilizes weight formulated standards per EPA 600 Sec. 2.3 for CVAE comparisons.

Standard operating procedures call for routine blind reanalysis on random samples. It was this process that flagged the samples for further study as initial results did not agree with the reanalysis. The comparative process covers the following properties: macroscopic color(s), macroscopic layer(s), sample texture(s), qualitative sample composition by layer, and quantitative sample composition by layer. Asbestos content by the Point Counting regimen listed in EPA 600 (ELAP 198.1) was used for this QC reanalysis.

Initial analysis of sample 5538869 yielded a negative result consistent with similar materials in this group. Routine QC reanalysis did not support this result however and a Review Analyst confirmed the presence of asbestos. To ensure the quality of this report similar materials from this group were also reanalyzed. The results for all QC reanalyses associated with this project are detailed above. This corrective action document seeks not only to demonstrate a follow up to the QC process, but also to further investigate root cause for the purposes of preventing such oversights.

All of the samples submitted with this batch may not necessarily have been reanalyzed. The amended/revised COAs reflect the final analysis.

Because of the inherent limitations of optical microscopy, USEPA has recommended other techniques for negative confirmation of certain building materials. These are addressed under EPA 600 section 2.3 (Gravimetry). The recommendations usually apply to Non-friable Organically Bound materials (NOBs). These techniques use gravimetric reduction procedures to separate asbestos minerals from organic binders and other non-mineral constituents. Only NYSDOH-ELAP certification exercises regulatory accreditation for such techniques. IATL is accredited (NYSDOH-ELAP Lab ID 11021) through this authority to perform such tests (ELAP 198.4). A better quantitative analysis may be achieved using the ELAP method via TEM. The samples discussed may fit this definition.

Individual analyst "R" values and related QC statistics for the laboratory fall within acceptable QC limits as dictated by regulatory controls. (ELAP 198.1 June 1995) For a more detailed summary of IATL and analyst QC results, please contact the Laboratory Director.

Reviewed By:



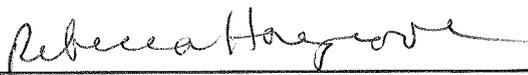
Frank E. Ehrenfeld, III
Laboratory Director



John Napolitan
Quality Manager



Muhammad Mirza
Senior Analyst / Microscopist



Rebecca Hargrove
Senior Analyst / Microscopist



Lou Solebello
Senior Analyst / Microscopist

References:

EPA 600/R-93-116, July 1993: "Method for the Determination of Asbestos in Bulk Building Materials."

40 CFR Vol. 59, No. 146, August 1, 1994: "Advisory Regarding Availability of an Improved Asbestos Bulk Sample Analysis Test Method: Supplementary Information on Bulk Sample Collection and Analysis."

40 CFR Vol. 55, No. 224, November 20, 1991: "Advisory Regarding Asbestos Bulk Sample Analysis Test Methods"

40 CFR Vol. 59, No. 3, January 5, 1994: "Asbestos NESHAP clarification Regarding Analysis of Multi-layered Systems."

ASTM D 5755-95: "Standard Method for Microvacuum Sampling and Indirect Analysis of Dust by TEM for Asbestos Structures Concentrations."

ASTM D 5756-95: "Standard Method for Bulk Materials Sampling and Indirect Analysis by TEM for Asbestos Structures Concentrations."

NYSDOH / ELAP 198.1: "Stratified Point Counting for Bulk Building Materials (friable and non-friable) by Polarized Light Microscopy"

NYSDOH / ELAP 198.4: "Gravimetric Reduction Analysis for Non-friable Organically Bound Building Materials by TEM."

NIST-NVLAP: "One Percent Dilemma: Laboratory Study of Low Level Asbestos Quantitation Practices" 1994

EPA/NESHAP: "December 15, 1995 Clarification on Multi-Layered Systems and Laboratory Analysis."

Sigma Sample Material List

Project: 15216

Date:

Building: Bldg 2

Inspectors: DCA, PH

Sample Number	Homogenous Material Code	Homogeneous Material Description	Functional Area/ Room Number	Location within Room	
01	MSCT-1	Suspended Ceiling 2' White Holes Fissures	101	NW	553 0819
02			106	S	553 0820
03			108	E	553 0821
04	MSWT	Cream Subway Tile	102	NW	553 0822
05	MGM-1	Tan Carpet Mastic	101	SW	553 0823
06			102	SW	553 0824
07			103	NW	553 0825
08	MF9-1	Cream Tan Floor Tile	101	SW	553 0826
09			103	NW	553 0827
10			102	SW	553 0828
11	MCT-1	1' Ceiling Tile Tan	101	NW	553 0829
12			101	W	553 0830
13			101	SW	553 0831
14	MCT-2	1' Ceiling Tile White	102	S	553 0832
15			104	S	553 0833
16			104	NE	553 0834
17	MCBM	Concrete Block Mortar	102	N	553 0835
18			104	SW	553 0836
19			107	N	553 0837
20	MV4-1	Brown Vinyl Baseboard	102	NE	553 0838
21	MC-1	Cream Door Caulk	102	NE	553 0839
22	MCTM-1	Ceramic Tile Tan Brown 1x2, 2x2	105	C	553 0840
23	MPM-1	Panel Mastic Tan	105	N	553 0841
24			105	N	553 0842
25			105	N	553 0843
26	MC-2	White Bathroom Caulk	105	SE	553 0844
27	MDJC	Drywell Joint Compound ?	105	N	553 0845
28			106	S	553 0846
29			105	N	553 0847
30	MSG-1	Pink Sink Coating	106	N	553 0848
31	MCTM-2	Ceramic Tile 1" White	106	NE	553 0849
32	MCTM-3	Ceramic Tile 6" White	106	NE	553 0850
33	MMP-1	Gray Mortar Patch	107	SW	553 0851
34	MFSP	Red Fire Stop Packing	107	SW	553 0852
35	MFLL-1	White Leveling Compound	108	SE	553 0853
36			108	SE	553 0854
37			108	SE	553 0855
38	MB8M	8" Brick Mortar	EXT W	N	553 0856
39			EXT N	E	553 0857
40			EXT E	N	553 0858
41	MC-3	White Exterior Window Caulk	EXT W	N	553 0859
42			EXT N	W	553 0860
43			EXT E	N	553 0861
44	MC-4	Brown Window Sill Caulk	EXT. W	C	553 0862
45	MPS-1	Cream Window Glaze	EXT. W	C	553 0863
46	MC-5	Grey Exterior Door Caulk	EXT N	C	553 0864
47	MEJ	Brown Expansion Joint	EXT N	C	553 0865
48	MRS	Brown Roof Shingle	Roof	NW	553 0866
49			Roof	NW	553 0867
50			Roof	NW	553 0868

Sigma Sample Material List

Project: 15216

Date:

Building: Edg 1

Inspectors: ACA, PH

Sample Number	Homogenous Material Code	Homogeneous Material Description	Functional Area/ Room Number	Location within Room	
0151	MRT	Black Roof Flashing	Roof		
0252	MBRM-2	Dark Brown Panel	Roof 101	NW	5538868
0353		Mastic	Roof 101	NW	5538870
0454			Roof 101	NW	5538871
0555	MPC	Black Pipe Caulk	107	NW	5538872
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9000 Commerce Parkway, Ste B
 Mount Laurel, NJ 08054
 Toll Free 877-428-4285
 Local: 856-231-9449
 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/3/2015
Report No: 355357
Project: Bldg #02
Project No.: 15216-02

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538777	Description / Location: Black Tar			
Client No.: 01	Door, Rm 101, W			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.8	Chrysotile	None Detected	None Detected	PC 98.2

Lab No.: 5538778	Description / Location: White Glazing			
Client No.: 02	Window, Rm 102, N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.2	Chrysotile	None Detected	None Detected	PC 98.8

Lab No.: 5538779	Description / Location: Brown/Black Tar Paper			
Client No.: 03	Rm 102, E			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	30	Cellulose	70

Lab No.: 5538780	Description / Location: Brown/Black Tar Paper			
Client No.: 04	Rm 102, E			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	30	Cellulose	70

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
 This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: M. Mirza

Approved By: 

Date: 2/3/2015

Frank E. Ehrenfeld, III
 Laboratory Director



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 Mount Laurel, NJ 08054
 Toll Free 877-428-4285
 Local: 856-231-9449
 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/3/2015
Report No: 355357
Project: Bldg #02
Project No.: 15216-02

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538781	Description / Location: Brown/Black Tar Paper			
Client No.: 05	Rm 102, E			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	30	Cellulose	70

Lab No.: 5538782	Description / Location: Black Tar			
Client No.: 06	Rm 201, W			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 2.4	Chrysotile	None Detected	None Detected	PC 97.6

Lab No.: 5538783	Description / Location: White Glazing			
Client No.: 07	Ext. W, N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.5	Chrysotile	None Detected	None Detected	PC 98.5

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: M. Mirza

Date: 2/3/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/3/2015
Report No: 355357
Project: Bldg #02
Project No.: 15216-02

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538784	Description / Location: Black Tar			
Client No.: 08	Expansion Joint, Ext. W, N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 3.8	Chrysotile	None Detected	None Detected	PC 96.2

Lab No.: 5538784	Description / Location: Tan Fibrous	Layer No.: 2		
Client No.: 08	Expansion Joint, Ext. W, N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	100	Cellulose	None Detected

Lab No.: 5538785	Description / Location: Black Tar			
Client No.: 09	Seam, Roof			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 2.8	Chrysotile	None Detected	None Detected	PC 97.2

Lab No.: 5538786	Description / Location: Sample Not Analyzed			
Client No.: 10				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
	Sample Not Analyzed		Sample Not Analyzed	

Accreditation

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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Analytical Method:

US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments:

Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: M. Mirza

Date: 2/3/2015



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 Local: 856-231-9449
 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/3/2015
Report No: 355357
Project: Bldg #02
Project No.: 15216-02

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538787 **Description / Location:** Sample Not Analyzed
Client No.: 11

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
Sample Not Analyzed		Sample Not Analyzed		

Lab No.: 5538788 **Description / Location:** Silver/White Caulk
Client No.: 12 Penetration, Roof

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538789 **Description / Location:** Silver/White/Black Caulk/Tar
Client No.: 13 Penetration, Roof

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC Trace	Chrysotile	None Detected	None Detected	100

Lab No.: 5538790 **Description / Location:** Silver/White/Black Caulk/Tar
Client No.: 14 Penetration, Roof

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC Trace	Chrysotile	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: M. Mirza

Date: 2/3/2015

International Asbestos Testing Laboratories
16000 Horizon Way, Unit 100
Mt. Laurel, New Jersey 08054

Tel. 856 231-9449
Fax 856 231-9818

- Chain of Custody -

Client: Sigma

Project Name: _____
Project No.: 15216-02

Phone: 414 643-4260
FAX: _____

Contact: Ross Creighton
Pager: _____

Special Instructions: Email results to rcreighton@the-sigma-group.com

Type:

Asbestos		Lead		Other	
<input type="checkbox"/> Air	<input type="checkbox"/> Soil	<input type="checkbox"/> Air	<input type="checkbox"/> Soil	_____	_____
<input checked="" type="checkbox"/> Bulk	<input type="checkbox"/> Dust	<input type="checkbox"/> Bulk	<input type="checkbox"/> Paint	_____	_____
<input type="checkbox"/> Water	<input type="checkbox"/> Other	<input type="checkbox"/> Water	<input type="checkbox"/> Other	_____	_____

Analysis Method:

<input type="checkbox"/> PCM : NIOSH 7400	<input checked="" type="checkbox"/> PLM : Bulk Asbestos EPA 600	<input type="checkbox"/> TEM : AHERA
<input type="checkbox"/> PCM : OSHA	<input type="checkbox"/> PLM : Point Counting 198.1	<input type="checkbox"/> TEM : NIOSH 7402
<input type="checkbox"/> PCM : Other _____	<input type="checkbox"/> PLM : NOB via 198.1 (PLM only)	<input type="checkbox"/> TEM : EPA Level II
<input type="checkbox"/> AAS : NIOSH 7082 (Air)	<input type="checkbox"/> If <1% by PLM, to TEM via 198.4 to meet NYSDOH requirements **	<input type="checkbox"/> TEM : Microvac / Wipe
<input type="checkbox"/> AAS : Lead in Drinking Water	(**call to confirm TAT!)	<input type="checkbox"/> TEM : Asbestos in Water
<input type="checkbox"/> AAS : Lead in Paint ASTM D3335-85a		<input type="checkbox"/> TEM : Bulk Analysis
<input type="checkbox"/> AAS : Lead Dust/Wipe "		<input type="checkbox"/> TEM : NOB 198.4
<input type="checkbox"/> AAS : Other Metals / Soil _____		<input type="checkbox"/> TEM : Other _____
		<input type="checkbox"/> Total Dust : NIOSH 0500

Turnaround

FAX: _____ Verbals: _____

Time:

date / time

date / time

10 Day 5 Day 3 Day 2 Day 1 Day 6 hour RUSH

Preliminary FAX/Verbal Results Requested by: _____

Sample

Numbers:

Client #(s): 01 - 14
(start) (end)

IATL #(s): _____ Total: _____
(start) (end)

Chain of Custody:

Relinquished: <u>[Signature]</u>	Date: <u>1-28-15</u>	Time: <u>1206</u>
Received: _____	Date: _____	Time: _____
Sample Log-in: <u>1130115</u>	Date: _____	Time: _____
Sample Prep: _____	Date: _____	Time: _____
Analyzed: <u>MM 2/3/15</u>	Date: <u>JAN 29</u>	Time: _____
QA/QC Review: <u>2-4-15</u>	Date: _____	Time: _____

Archived/Released: _____ QA/QC InterLAB Use: _____ Date: By Time: _____

EMAILED
Rec 2-5

RECEIVED

Sigma Sample Material List

Project: #15216-02

Date: 1-23-15

Building: #02

Inspectors: DA PH

Sample Number	Homogenous Material Code	Homogeneous Material Description	Functional Area/ Room Number	Location within Room	
01	MC-1	Black (Door)	101	W	5538777
02	MC-2	White (window)	102	N	5538778
03	MIP	Insulation Paper Brown + Black	102	E	5538779
04	I	I	I	E	5538780
05	I	I	I	E	5538781
06	MST	Black Seam Tar	201	W	5538782
07	MPG-1	White Window Glaze	Ext. W	N	5538783
08	MEJ	Grey Expansion Joint	Ext. W	N	5538784
09	MRT-1	Black/GREY (SEAM)	Roof		5538785
10	I	I	I		5538786
11	I	I	I		5538787
12	MC-3	White Penetration Caulk			5538788
13	I	I	I		5538789
14	I	I	I		5538790
15					
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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355360
Project: Bldg 3
Project No.: 15216-03

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538727	Description / Location: White Caulk			
Client No.: 01	Ext. N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.2	Chrysotile	None Detected	None Detected	PC 98.8

Lab No.: 5538728	Description / Location: Black Caulk			
Client No.: 02	Ext. Roof Peak			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.6	Chrysotile	None Detected	None Detected	PC 98.4

Lab No.: 5538729	Description / Location: Sample Not Analyzed			
Client No.: 03				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
	Sample Not Analyzed		Sample Not Analyzed	

Lab No.: 5538730	Description / Location: Sample Not Analyzed			
Client No.: 04				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
	Sample Not Analyzed		Sample Not Analyzed	

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: T. Lowe

Approved By: 

Date: 2/4/2015

Frank E. Ehrenfeld, III
 Laboratory Director

International Asbestos Testing Laboratories
16000 Horizon Way, Unit 100
Mt. Laurel, New Jersey 08054

Tel. 856 231-9449
Fax 856 231-9818

- Chain of Custody -

Client: Sigma

Project Name: _____
Project No.: 15216-03

Phone: 414 643-4200
FAX: _____

Contact: Less Creighton
Pager: _____

Special Instructions: Email results to lcreighton@thesigmagroup.com

Type:

Asbestos		Lead		Other	
<input type="checkbox"/>	Air	<input type="checkbox"/>	Soil	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/>	Bulk	<input type="checkbox"/>	Dust	<input type="checkbox"/>	Paint
<input type="checkbox"/>	Water	<input type="checkbox"/>	Other	<input type="checkbox"/>	Other

Analysis Method:

<input type="checkbox"/>	PCM : NIOSH 7400	<input checked="" type="checkbox"/>	PLM : Bulk Asbestos EPA 600	<input type="checkbox"/>	TEM : AHERA
<input type="checkbox"/>	PCM : OSHA	<input type="checkbox"/>	PLM : Point Counting 198.1	<input type="checkbox"/>	TEM : NIOSH 7402
<input type="checkbox"/>	PCM : Other _____	<input type="checkbox"/>	PLM : NOB via 198.1 (PLM only)	<input type="checkbox"/>	TEM : EPA Level II
<input type="checkbox"/>	AAS : NIOSH 7082 (Air)	<input type="checkbox"/>	If <1% by PLM, to TEM via 198.4	<input type="checkbox"/>	TEM : Microvac / Wipe
<input type="checkbox"/>	AAS : Lead in Drinking Water		to meet NYSDOH requirements **	<input type="checkbox"/>	TEM : Asbestos in Water
<input type="checkbox"/>	AAS : Lead in Paint ASTM D3335-85a		(**call to confirm TAT!)	<input type="checkbox"/>	TEM : Bulk Analysis
<input type="checkbox"/>	AAS : Lead Dust/Wipe "			<input type="checkbox"/>	TEM : NOB 198.4
<input type="checkbox"/>	AAS : Other Metals / Soil _____			<input type="checkbox"/>	TEM : Other _____
				<input type="checkbox"/>	Total Dust : NIOSH 0500

Turnaround Time:

FAX: _____ Verbal: _____
date / time date / time

10 Day 5 Day 3 Day 2 Day 1 Day 6 hour RUSH

Preliminary FAX/Verbal Results Requested by: _____

Sample Numbers:

Client #(s): 01 - 04
(start) (end)

IATL#(s): _____ Total: _____
(start) (end)

Chain of Custody:

Relinquished: <u>[Signature]</u>	Date: <u>1-29-15</u>	Time: <u>12:00</u>
Received: _____	Date: _____	Time: _____
Sample Log-in: <u>22130115</u>	Date: _____	Time: _____
Sample Prep: _____	Date: _____	Time: _____
Analyzed: <u>Shaw 2-4-15</u>	Date: <u>JAN 29 2015</u>	Time: _____
QA/QC Review: <u>llc 2-5-15</u>	Date: _____	Time: _____

EMAILED
[Signature]

Archived/Released: _____ QA/QC InterLAB Use: _____ Date: 1-29-15 Time: _____

Sigma Sample Material List

Project: #15216

Date: 1-23-15

Building: # 03

Inspectors: DA PH

Sample Number	Homogenous Material Code	Homogeneous Material Description	Functional Area/ Room Number	Location within Room
01	MC-1	WHITE CAULK (Eaves) (Eaves) 5538727	EXT	N
02	MC-2	BLACK RIDGE CAULK 5538728	EXT	ROOF PEAK
03	I	I 5538729	I	I
04		5538730		
05				
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9000 Commerce Parkway, Ste B
 Mount Laurel, NJ 08054
 Toll Free 877-428-4285
 Local: 856-231-9449
 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355359
Project:
Project No.: 15216-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538724	Description / Location: Red/Black Shingle			
Client No.: 01	Roof SE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	10	Fibrous Glass	90

Lab No.: 5538724	Description / Location: Black Shingle	Layer No.: 2		
Client No.: 01	Roof SE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	40	Cellulose	60

Lab No.: 5538724	Description / Location: Black Tar Paper	Layer No.: 3		
Client No.: 01	Roof SE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	80	Cellulose	20

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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 This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: L. Solebello

Approved By: 

Date: 2/4/2015

Frank E. Ehrenfeld, III
 Laboratory Director



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 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355359
Project:
Project No.: 15216-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538725	Description / Location: Red/Black Shingle			
Client No.: 02	Roof SE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	10	Fibrous Glass	90

Lab No.: 5538725	Description / Location: Black Shingle	Layer No.: 2		
Client No.: 02	Roof SE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	40	Cellulose	60

Lab No.: 5538725	Description / Location: Black Tar Paper	Layer No.: 3		
Client No.: 02	Roof SE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	80	Cellulose	20

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: L. Solebello

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355359
Project:
Project No.: 15216-05

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538726	Description / Location: Red/Black Shingle			
Client No.: 03	Roof SE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	10	Fibrous Glass	90

Lab No.: 5538726	Description / Location: Black Shingle	Layer No.: 2		
Client No.: 03	Roof SE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	40	Cellulose	60

Lab No.: 5538726	Description / Location: Black Tar Paper	Layer No.: 3		
Client No.: 03	Roof SE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	80	Cellulose	20

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: L. Solebello

Date: 2/4/2015

- Chain of Custody -

Client: Sigma

Project Name: _____
 Project No.: 15216-05

Phone: (414) 643-4200
 FAX: _____

Contact: Ross Creighton
 Pager: _____

Special Instructions: Email results to rcreighton@thesigmagroup.com

Type:

Asbestos		Lead		Other	
<input type="checkbox"/>	Air	<input type="checkbox"/>	Soil	<input type="checkbox"/>	_____
<input checked="" type="checkbox"/>	Bulk	<input type="checkbox"/>	Dust	<input type="checkbox"/>	Paint
<input type="checkbox"/>	Water	<input type="checkbox"/>	Other	<input type="checkbox"/>	Other

Analysis Method:

<input type="checkbox"/>	PCM : NIOSH 7400	<input checked="" type="checkbox"/>	PLM : Bulk Asbestos EPA 600	<input type="checkbox"/>	TEM : AHERA
<input type="checkbox"/>	PCM : OSHA	<input type="checkbox"/>	PLM : Point Counting 198.1	<input type="checkbox"/>	TEM : NIOSH 7402
<input type="checkbox"/>	PCM : Other _____	<input type="checkbox"/>	PLM : NOB via 198.1 (PLM only)	<input type="checkbox"/>	TEM : EPA Level II
<input type="checkbox"/>	AAS : NIOSH 7082 (Air)	<input type="checkbox"/>	If <1% by PLM, to TEM via 198.4 to meet NYSDOH requirements ** (**call to confirm TAT!)	<input type="checkbox"/>	TEM : Microvac / Wipe
<input type="checkbox"/>	AAS : Lead in Drinking Water			<input type="checkbox"/>	TEM : Asbestos in Water
<input type="checkbox"/>	AAS : Lead in Paint ASTM D3335-85a			<input type="checkbox"/>	TEM : Bulk Analysis
<input type="checkbox"/>	AAS : Lead Dust/Wipe "			<input type="checkbox"/>	TEM : NOB 198.4
<input type="checkbox"/>	AAS : Other Metals / Soil _____			<input type="checkbox"/>	TEM : Other _____
				<input type="checkbox"/>	Total Dust : NIOSH 0500

Turnaround Time:

FAX: _____ Verbals: _____
 date / time date / time

10 Day 5 Day 3 Day 2 Day 1 Day 6 hour RUSH

Preliminary FAX/Verbal Results Requested by: _____

Sample Numbers:

Client #(s): 01 - 03
 (start) (end)

IATL#(s): _____ Total: _____
 (start) (end)

Chain of Custody:

Relinquished: <u>[Signature]</u>	Date: <u>1-28-15</u>	Time: <u>1200</u>
Received: _____	Date: _____	Time: _____
Sample Log-in: <u>[Signature]</u>	Date: <u>JAN 28 2015</u>	Time: _____
Sample Prep: _____	Date: _____	Time: _____
Analyzed: <u>[Signature]</u>	Date: _____	Time: _____
QA/QC Review: <u>[Signature]</u>	Date: _____	Time: _____

Archived/Released: _____ QA/QC InterLAB Use: _____ Date: _____ Time: _____

Sigma Sample Material List

Project: # 15216

Date: 1-21-14

Building: # 05

Inspectors:

Sample Number	Picture Number	Homogenous Material Code	Homogeneous Material Description	Functional Area/ Room Number	Location within Room
01	01	MRS	ROOF SYSTEM - BROWN Asphalt Shingles	5538724 ROOF	SE CORNER
02	02	J	J W/ Tar paper	5538725 J	J
03	03	J	J	5538726	J
04					
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18 2/24/14



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 Mount Laurel, NJ 08054
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 Local: 856-231-9449
 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355358
Project: Bldg 06
Project No.: 15216-06

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538718	Description / Location: Brown/Black Shingle			
Client No.: 01	Roof NE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Cellulose	80

Lab No.: 5538718	Description / Location: Black Tar Paper	Layer No.: 2		
Client No.: 01	Roof NE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	85	Cellulose	15

Lab No.: 5538719	Description / Location: Brown/Black Shingle			
Client No.: 02	Roof NE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Cellulose	80

Lab No.: 5538719	Description / Location: Black Tar Paper	Layer No.: 2		
Client No.: 02	Roof NE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	80	Cellulose	20

Accreditation

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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 This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method:

US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments:

Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: L. Price

Approved By:

Date: 2/4/2015

Frank E. Ehrenfeld, III
 Laboratory Director



9000 Commerce Parkway, Ste B
 Mount Laurel, NJ 08054
 Toll Free 877-428-4285
 Local: 856-231-9449
 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355358
Project: Bldg 06
Project No.: 15216-06

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538720	Description / Location: Brown/Black Shingle			
Client No.: 03	Roof NE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	25	Cellulose	75

Lab No.: 5538720	Description / Location: Black Tar Paper	Layer No.: 2		
Client No.: 03	Roof NE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	80	Cellulose	20

Lab No.: 5538721	Description / Location: Black Tar			
Client No.: 04	Ext. E S			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538722	Description / Location: Black Tar			
Client No.: 05	Ext. N C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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 This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: L. Price

Date: 2/4/2015



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 Local: 856-231-9449
 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355358
Project: Bldg 06
Project No.: 15216-06

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538723	Description / Location: Black Tar			
Client No.: 06	Ext. W C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: L. Price

Date: 2/4/2015

International Asbestos Testing Laboratories
 16000 Horizon Way, Unit 100
 Mt. Laurel, New Jersey 08054

Tel. 856 231-9449
 Fax 856 231-9818

- Chain of Custody -

Client: Signa

Project Name: _____
 Project No.: 15216-06

Phone: (414) 643-4200
 FAX: _____

Contact: Ross Creighton
 Pager: _____

Special Instructions: Email results to rcreighton@thesignagroup.com

Type:

Asbestos		Lead		Other				
<input type="checkbox"/>	Air	<input type="checkbox"/>	Soil	<input type="checkbox"/>	Air	<input type="checkbox"/>	Soil	_____
<input checked="" type="checkbox"/>	Bulk	<input type="checkbox"/>	Dust	<input type="checkbox"/>	Bulk	<input type="checkbox"/>	Paint	_____
<input type="checkbox"/>	Water	<input type="checkbox"/>	Other	<input type="checkbox"/>	Water	<input type="checkbox"/>	Other	_____

Analysis Method:

<input type="checkbox"/>	PCM : NIOSH 7400	<input checked="" type="checkbox"/>	PLM : Bulk Asbestos EPA 600	<input type="checkbox"/>	TEM : AHERA
<input type="checkbox"/>	PCM : OSHA	<input type="checkbox"/>	PLM : Point Counting 198.1	<input type="checkbox"/>	TEM : NIOSH 7402
<input type="checkbox"/>	PCM : Other _____	<input type="checkbox"/>	PLM : NOB via 198.1 (PLM only)	<input type="checkbox"/>	TEM : EPA Level II
<input type="checkbox"/>	AAS : NIOSH 7082 (Air)	<input type="checkbox"/>	If <1% by PLM, to TEM via 198.4	<input type="checkbox"/>	TEM : Microvac / Wipe
<input type="checkbox"/>	AAS : Lead in Drinking Water		to meet NYSDOH requirements **	<input type="checkbox"/>	TEM : Asbestos in Water
<input type="checkbox"/>	AAS : Lead in Paint ASTM D3335-85a		(**call to confirm TAT!)	<input type="checkbox"/>	TEM : Bulk Analysis
<input type="checkbox"/>	AAS : Lead Dust/Wipe "			<input type="checkbox"/>	TEM : NOB 198.4
<input type="checkbox"/>	AAS : Other Metals / Soil _____			<input type="checkbox"/>	TEM : Other _____
				<input type="checkbox"/>	Total Dust : NIOSH 0500

Turnaround Time:

FAX: _____ **Verbals:** _____
 date / time date / time

10 Day 5 Day 3 Day 2 Day 1 Day 6 hour RUSH

Preliminary FAX/Verbal Results Requested by: _____

Sample Numbers:

Client #(s): 01 - 06
 (start) (end)

IATL#(s): _____ Total: _____
 (start) (end)

Chain of Custody:

Relinquished: <u>[Signature]</u>	Date: <u>1-28-15</u>	Time: <u>1:25</u>
Received: _____	Date: _____	Time: _____
Sample Log-in: <u>113015</u>	Date: _____	Time: _____
Sample Prep: <u>2-4-15</u>	Date: <u>JAN 2</u>	Time: <u>2:05</u>
Analyzed: <u>[Signature]</u>	Date: _____	Time: _____
QA/QC Review: <u>[Signature]</u>	Date: _____	Time: _____

Archived/Released: _____ QA/QC InterLAB Use: _____ Date: 1-28-15 Time: _____

Sigma Sample Material List

Project: #15216

Date:

Building: #06

Inspectors:

Sample Number	Homogenous Material Code	Homogeneous Material Description	Functional Area/ Room Number	Location within Room	
01	MRS	ROOF SYSTEM BROWN ASPHALT SHINGLES	ROOF	NE CORNER	5538718
02		W/ TAR PAPER			5538719
03	I		I		5538720
04	MRS EXT W	Black Tar Coating on Wood	Ext E	S	5538721
05	I		Ext N	C	5538722
06	I		Ext W	C	5538723
07					
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5538718
5538719
5538720
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5538723



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 Mount Laurel, NJ 08054
 Toll Free 877-428-4285
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 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355364
Project: Building 7
Project No.: 15216-07

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538732	Description / Location: Red/Brown/Black Shingle			
Client No.: 01	Roof; SE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Fibrous Glass	80

Lab No.: 5538732	Description / Location: Black Tar Paper	Layer No.: 2		
Client No.: 01	Roof; SE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	50	Cellulose	50

Lab No.: 5538733	Description / Location: Red/Brown/Black Shingle			
Client No.: 02	Roof; SE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Fibrous Glass	80

Lab No.: 5538733	Description / Location: Black Tar Paper	Layer No.: 2		
Client No.: 02	Roof; SE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	50	Cellulose	50

Accreditation

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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 This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method:

US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments:

Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: D. Jao

Approved By: 

Date: 2/4/2015

Frank E. Ehrenfeld, III
 Laboratory Director



9000 Commerce Parkway, Ste B
 Mount Laurel, NJ 08054
 Toll Free 877-428-4285
 Local: 856-231-9449
 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355364
Project: Building 7
Project No.: 15216-07

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538734	Description / Location: Red/Brown/Black Shingle			
Client No.: 03	Roof; SE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Fibrous Glass	80

Lab No.: 5538734	Description / Location: Black Tar Paper	Layer No.: 2		
Client No.: 03	Roof; SE Corner			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	50	Cellulose	50

Lab No.: 5538735	Description / Location: Black Roof Material			
Client No.: 04	Roof/Vents; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538736	Description / Location: Dk.Brown Insulation			
Client No.: 05	101; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	80	Cellulose	20

Accreditation

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: D. Jao

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355364
Project: Building 7
Project No.: 15216-07

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538737	Description / Location: Dk.Brown Insulation			
Client No.: 06	101; S			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	70	Cellulose	30

Lab No.: 5538738	Description / Location: Dk.Brown Insulation			
Client No.: 07	101; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	70	Cellulose	30

Lab No.: 5538739	Description / Location: Off-White Caulk			
Client No.: 08	(Wall Panel); 101; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.6	Chrysotile	None Detected	None Detected	PC 98.4

Lab No.: 5538740	Description / Location: Sample Not Analyzed			
Client No.: 09				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
	Sample Not Analyzed		Sample Not Analyzed	

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: D. Jao

Date: 2/4/2015



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 Local: 856-231-9449
 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355364
Project: Building 7
Project No.: 15216-07

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538741 **Description / Location:** Sample Not Analyzed
Client No.: 10

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
	Sample Not Analyzed		Sample Not Analyzed	

Lab No.: 5538742 **Description / Location:** Tan Caulk
 (Window/Door); 101; SE
Client No.: 11

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 8.3	Chrysotile	None Detected	None Detected	PC 91.7

Lab No.: 5538743 **Description / Location:** Sample Not Analyzed
Client No.: 12

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
	Sample Not Analyzed		Sample Not Analyzed	

Lab No.: 5538744 **Description / Location:** Sample Not Analyzed
Client No.: 13

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
	Sample Not Analyzed		Sample Not Analyzed	

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: D. Jao

Date: 2/4/2015



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 Mount Laurel, NJ 08054
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 Local: 856-231-9449
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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355364
Project: Building 7
Project No.: 15216-07

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538745	Description / Location: Off-White Glazing			
Client No.: 14	Window; 101; S			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 2.4	Chrysotile	None Detected	None Detected	PC 97.6

Lab No.: 5538746	Description / Location: Sample Not Analyzed			
Client No.: 15				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
	Sample Not Analyzed		Sample Not Analyzed	

Lab No.: 5538747	Description / Location: Sample Not Analyzed			
Client No.: 16				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
	Sample Not Analyzed		Sample Not Analyzed	

Lab No.: 5538748	Description / Location: White Caulk			
Client No.: 17	(Sticky-Door); 101; SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: D. Jao

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355364
Project: Building 7
Project No.: 15216-07

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538749	Description / Location: White Caulk			
Client No.: 18	(Door); Ext; SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538750	Description / Location: Off-White Caulk			
Client No.: 19	Concrete/Siding-Old; Ext; SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 6.9	Chrysotile	None Detected	None Detected	PC 93.1

Lab No.: 5538751	Description / Location: Sample Not Analyzed			
Client No.: 20				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
	Sample Not Analyzed		Sample Not Analyzed	

Lab No.: 5538752	Description / Location: Sample Not Analyzed			
Client No.: 21				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
	Sample Not Analyzed		Sample Not Analyzed	

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: D. Jao

Date: 2/4/2015



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 Mount Laurel, NJ 08054
 Toll Free 877-428-4285
 Local: 856-231-9449
 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355364
Project: Building 7
Project No.: 15216-07

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538753	Description / Location: Tan Caulk			
Client No.: 22	(Overhead Door); Ext; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 2.3	Chrysotile	None Detected	None Detected	PC 97.7

Lab No.: 5538754	Description / Location: White Caulk			
Client No.: 23	(Door); Ext; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: D. Jao

Date: 2/4/2015

International Asbestos Testing Laboratories
16000 Horizon Way, Unit 100
Mt. Laurel, New Jersey 08054

Tel. 856 231-9449
Fax 856 231-9818

- Chain of Custody -

Client: Sigma

Project Name: _____
Project No.: 15216-07

Phone: (414) 643-4200
FAX: _____

Contact: Ross Creighton
Pager: _____

Special Instructions: Email results to rcreighton@the-sigma-group.com

Type:

Asbestos		Lead		Other	
<input type="checkbox"/>	Air	<input type="checkbox"/>	Soil	<input type="checkbox"/>	Soil
<input checked="" type="checkbox"/>	Bulk	<input type="checkbox"/>	Dust	<input type="checkbox"/>	Paint
<input type="checkbox"/>	Water	<input type="checkbox"/>	Other	<input type="checkbox"/>	Water
<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	Other

Analysis Method:

<input type="checkbox"/>	PCM : NIOSH 7400	<input checked="" type="checkbox"/>	PLM : Bulk Asbestos EPA 600	<input type="checkbox"/>	TEM : AHERA
<input type="checkbox"/>	PCM : OSHA	<input type="checkbox"/>	PLM : Point Counting 198.1	<input type="checkbox"/>	TEM : NIOSH 7402
<input type="checkbox"/>	PCM : Other _____	<input type="checkbox"/>	PLM : NOB via 198.1 (PLM only)	<input type="checkbox"/>	TEM : EPA Level II
<input type="checkbox"/>	AAS : NIOSH 7082 (Air)	<input type="checkbox"/>	If <1% by PLM, to TEM via 198.4	<input type="checkbox"/>	TEM : Microvac / Wipe
<input type="checkbox"/>	AAS : Lead in Drinking Water		to meet NYSDOH requirements **	<input type="checkbox"/>	TEM : Asbestos in Water
<input type="checkbox"/>	AAS : Lead in Paint ASTM D3335-85a		(**call to confirm TAT!)	<input type="checkbox"/>	TEM : Bulk Analysis
<input type="checkbox"/>	AAS : Lead Dust/Wipe "			<input type="checkbox"/>	TEM : NOB 198.4
<input type="checkbox"/>	AAS : Other Metals / Soil _____			<input type="checkbox"/>	TEM : Other _____
				<input type="checkbox"/>	Total Dust : NIOSH 0500

Turnaround Time:

FAX: _____ Verbal: _____
date / time date / time

10 Day 5 Day 3 Day 2 Day 1 Day 6 hour RUSH

Preliminary FAX/Verbal Results Requested by: _____

Sample Numbers:

Client #(s): 01 - 023 IATL #(s): _____ Total: _____
(start) (end) (start) (end)

Chain of Custody:

Relinquished: <u>[Signature]</u>	Date: <u>1-28-15</u>	Time: <u>1200</u>
Received: _____	Date: <u>DECEMBER</u>	Time: _____
Sample Log-in: <u>M 1/30/15</u>	Date: <u>1</u>	Time: _____
Sample Prep: _____	Date: <u>1</u>	Time: _____
Analyzed: <u>DJ 2/9/15</u>	Date: <u>1</u>	Time: _____
QA/QC Review: <u>WJC 2-5-15</u>	Date: <u>JAN 29 2015</u>	Time: _____

Archived/Released: _____ QA/QC InterLAB Use: _____ Date: _____ Time: _____

IATL By _____

Sigma Sample Material List

Project: # 15216

Date:

Building: # 07

Inspectors:

Sample Number	Homogenous Material Code	Homogeneous Material Description	Functional Area/ Room Number	Location within Room	
01	MRS-1	ROOF SYSTEM BROWN ASPHALT SHINGLE	ROOF	SE CORNER	553 8732
02		w/ TAR PAPER			553 8733
03					553 8734
04	MRT-1	GREY ROOF/VENTS	ROOF	SE	553 8735
05	MPBI	Fiberboard Insulation	101	SE	553 8736
06				S	553 8737
07				N	553 8738
08	MC-1	Cream Caulk (Wall insulation)	101	N	553 8739
09		Panel		SE	553 8740
10				SE	553 8741
11	MC-2	Light Tan Caulk (Window/)	101	SE	553 8742
12		Door		SE	553 8743
13				S	553 8744
14	MPG	Window Glaze	101	S	553 8745
15				SE	553 8746
16				SE	553 8747
17	MC-3	White Caulk (sticky - Door)	101	SW	553 8748
18	MC-4	White Caulk (DOOR)	EXT	SW	553 8749
19	MC-5	White Caulk Concrete/Siding		SW	553 8750
20		Old		SE	553 8751
21				NE	553 8752
22	MC-6	Tan Caulk (Overhead Door)		SE	553 8753
23	MC-7	Dark Brown (Door)		SE	553 8754
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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
1300 West Canal Street
Milwaukee WI 53233

Report Date: 2/16/2015
Report No.: 356490
Project:
Project No.: 15216-B7

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5551928 **Description / Location:** Black Tar
Client No.: 24 Ext Wall N

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	2	Cellulose	98

Lab No.: 5551929 **Description / Location:** Black Tar
Client No.: 25 Ext Wall NE

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	2	Cellulose	98

Lab No.: 5551930 **Description / Location:** Black Tar
Client No.: 26 Ext Wall S

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	2	Cellulose	98

Accreditations: **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: R. Reed

Approved By: 

Date: 2/16/2015

Frank E. Ehrenfeld, III
Laboratory Director

- Chain of Custody -

Client: Sigma **Project Name:** 75216
Phone: _____ **Project No.:** 15216-B7
FAX: _____ **Contact:** Ross Creighton
Special Instructions: Email results to rcreighton@thesigmagroup.com

Type:

<u>Asbestos</u>		<u>Lead</u>		<u>Other</u>	
<input type="checkbox"/>	Air	<input type="checkbox"/>	Soil	<input type="checkbox"/>	Soil
<input checked="" type="checkbox"/>	Bulk	<input type="checkbox"/>	Dust	<input type="checkbox"/>	Paint
<input type="checkbox"/>	Water	<input type="checkbox"/>	Other	<input type="checkbox"/>	Other

Analysis Method:

<input type="checkbox"/>	PCM : NIOSH 7400	<input checked="" type="checkbox"/>	PLM : Bulk Asbestos EPA 600	<input type="checkbox"/>	TEM : AHERA
<input type="checkbox"/>	PCM : OSHA	<input type="checkbox"/>	PLM : Point Counting 198.1	<input type="checkbox"/>	TEM : NIOSH 7402
<input type="checkbox"/>	PCM : Other _____	<input type="checkbox"/>	PLM : NOB via 198.1 (PLM only)	<input type="checkbox"/>	TEM : EPA Level II
<input type="checkbox"/>	AAS : NIOSH 7082 (Air)	<input type="checkbox"/>	If <1% by PLM, to TEM via 198.4	<input type="checkbox"/>	TEM : Microvac / Wipe
<input type="checkbox"/>	AAS : Lead in Drinking Water		to meet NYSDOH requirements **	<input type="checkbox"/>	TEM : Asbestos in Water
<input type="checkbox"/>	AAS : Lead in Paint ASTM D3335-85a		(*call to confirm TAT!)	<input type="checkbox"/>	TEM : Bulk Analysis
<input type="checkbox"/>	AAS : Lead Dust/Wipe "			<input type="checkbox"/>	TEM : NOB 198.4
<input type="checkbox"/>	AAS : Other Metals / Soil _____			<input type="checkbox"/>	TEM : Other _____
				<input type="checkbox"/>	Total Dust : NIOSH 0500

Turnaround Time:

FAX: _____ **Verbals:** _____
 date / time date / time

10 Day 5 Day 3 Day 2 Day 1 Day 6 hour RUSH
 Preliminary FAX/Verbal Results Requested by: _____

Sample Numbers:

Client #(s): 24 - 26 IATL#(s): _____ Total: 3
 (start) (end) (start) (end)

Chain of Custody:

Relinquished: _____	Date: <u>2-3-15</u>	Time: _____
Received: _____	Date: _____	Time: _____
Sample Log-in: _____	Date: _____	Time: _____
Sample Prep: _____	Date: _____	Time: _____
Analyzed: _____	Date: _____	Time: _____
QA/QC Review: _____	Date: _____	Time: _____

Archived/Released: _____ QA/QC InterLAB Use: _____ Date: _____ Time: _____

Sigma Sample Material List

Project: 15216-B7

Date: 2-13-15

Building: B7

Inspectors: JCA

Sample Number	Homogenous Material Code	Homogeneous Material Description	Functional Area/ Room Number	Location within Room
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24	MCT-B7-1	Black Tar Coating EXT Wall	Ext.	N 5551928
25	I	I	I	NE 5551929
26				S 5551930
27				
28				
29				
30				
31				
32				
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50				



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 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355361
Project: Bldg 08 (Dome)
Project No.: 15216-08

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538731	Description / Location: Grey/Clear Caulk			
Client No.: 01	Ext. NE			
% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

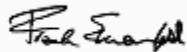
Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: L. Price

Approved By: , III

Date: 2/4/2015

Frank E. Ehrenfeld, III
 Laboratory Director

International Asbestos Testing Laboratories
16000 Horizon Way, Unit 100
Mt. Laurel, New Jersey 08054

Tel. 856 231-9449
Fax 856 231-9818

- Chain of Custody -

Client: Sigma

Project Name: _____
Project No.: 15216-08

Phone: (414) 643-4200
FAX: _____

Contact: Ross Creighton
Pager: _____

Special Instructions: Email results to rcreighton@thesigmagroup.com

Type:

Asbestos		Lead		Other	
<input type="checkbox"/>	Air	<input type="checkbox"/>	Soil	<input type="checkbox"/>	Soil
<input checked="" type="checkbox"/>	Bulk	<input type="checkbox"/>	Dust	<input type="checkbox"/>	Paint
<input type="checkbox"/>	Water	<input type="checkbox"/>	Other	<input type="checkbox"/>	Other

Analysis Method:

<input type="checkbox"/>	PCM : NIOSH 7400	<input checked="" type="checkbox"/>	PLM : Bulk Asbestos EPA 600	<input type="checkbox"/>	TEM : AHERA
<input type="checkbox"/>	PCM : OSHA	<input type="checkbox"/>	PLM : Point Counting 198.1	<input type="checkbox"/>	TEM : NIOSH 7402
<input type="checkbox"/>	PCM : Other _____	<input type="checkbox"/>	PLM : NOB via 198.1 (PLM only)	<input type="checkbox"/>	TEM : EPA Level II
<input type="checkbox"/>	AAS : NIOSH 7082 (Air)	<input type="checkbox"/>	If <1% by PLM, to TEM via 198.4	<input type="checkbox"/>	TEM : Microvac / Wipe
<input type="checkbox"/>	AAS : Lead in Drinking Water	to meet NYSDOH requirements **		<input type="checkbox"/>	TEM : Asbestos in Water
<input type="checkbox"/>	AAS : Lead in Paint ASTM D3335-85a	(**call to confirm TAT!)		<input type="checkbox"/>	TEM : Bulk Analysis
<input type="checkbox"/>	AAS : Lead Dust/Wipe "			<input type="checkbox"/>	TEM : NOB 198.4
<input type="checkbox"/>	AAS : Other Metals / Soil _____			<input type="checkbox"/>	TEM : Other _____
				<input type="checkbox"/>	Total Dust : NIOSH 0500

Turnaround Time:

FAX: _____ Verbal: _____
date / time date / time

10 Day 5 Day 3 Day 2 Day 1 Day 6 hour RUSH

Preliminary FAX/Verbal Results Requested by: _____

Sample Numbers:

Client #(s): 01 - 01
(start) (end)

IATL #(s): _____ Total: _____
(start) (end)

Chain of Custody:

Relinquished:	<u>[Signature]</u>	Date:	<u>1-28-15</u>	Time:	<u>1200</u>
Received:	_____	Date:	_____	Time:	_____
Sample Log-in:	<u>1150115</u>	Date:	_____	Time:	_____
Sample Prep:	<u>1502-4-15</u>	Date:	<u>JAN 2 2015</u>	Time:	_____
Analyzed:	<u>[Signature]</u>	Date:	_____	Time:	_____
QA/QC Review:	<u>[Signature]</u>	Date:	_____	Time:	_____

Archived/Released: _____ QA/QC InterLAB Use: _____ Date: _____ Time: _____

EMMAILED
[Signature]

RECEIVED
[Signature]

Sigma Sample Material List

Project: # 15216

Date: 1-23-15

Building: # 08 (DOME)

Inspectors:

Sample Number	Homogenous Material Code	Homogeneous Material Description	Functional Area/ Room Number	Location within Room
01	MC-1	GREY GRAY MANDOR CAULK	EXT	NE 5538
02				
03				
04				
05				
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31



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 Mount Laurel, NJ 08054
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 Local: 856-231-9449
 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355350
Project: Bldg 10
Project No.: 15216-10

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538755	Description / Location: Black Rubber			
Client No.: 01	Roof W			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Cellulose	75
		5	Fibrous Glass	

Lab No.: 5538755	Description / Location: Yellow Foam	Layer No.: 2		
Client No.: 01	Roof W			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538756	Description / Location: Black Rubber			
Client No.: 02	Roof E			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Cellulose	75
		5	Fibrous Glass	

Lab No.: 5538756	Description / Location: Yellow Foam	Layer No.: 2		
Client No.: 02	Roof E			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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Analytical Method:

US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments:

Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: T. Lowe

Approved By:

Date: 2/4/2015

Frank E. Ehrenfeld, III
 Laboratory Director



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355350
Project: Bldg 10
Project No.: 15216-10

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538757	Description / Location: Grey Mortar			
Client No.: 03	Room 102 SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538758	Description / Location: Grey Mortar			
Client No.: 04	Room 102 SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538758	Description / Location: Red Brick	Layer No.: 2		
Client No.: 04	Room 102 SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538759	Description / Location: Grey Mortar			
Client No.: 05	Room 102 S			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: T. Lowe

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355350
Project: Bldg 10
Project No.: 15216-10

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538760	Description / Location: Grey Caulk			
Client No.: 06	Room 101 SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538761	Description / Location: White Caulk			
Client No.: 07	Ext. N E			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538762	Description / Location: Dk Green Caulk			
Client No.: 08	Ext. N E			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 3.1	Chrysotile	None Detected	None Detected	PC 96.9

Lab No.: 5538763	Description / Location: White Caulk			
Client No.: 09	Ext. E N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.7	Chrysotile	None Detected	None Detected	PC 98.3

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: T. Lowe

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355350
Project: Bldg 10
Project No.: 15216-10

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538764	Description / Location: White Caulk			
Client No.: 10	Room 101 SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538765	Description / Location: Grey Mortar			
Client No.: 11	Room 101 SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538766	Description / Location: Grey Mortar			
Client No.: 12	Room 102 E			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538767	Description / Location: Grey Glazing			
Client No.: 13	Ext. E S			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC Trace	Chrysotile	2	Fibrous Glass	98

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: T. Lowe

Date: 2/4/2015



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 Mount Laurel, NJ 08054
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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355350
Project: Bldg 10
Project No.: 15216-10

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538768	Description / Location: White Ceiling Tile			
Client No.: 14	Room 102 E			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	40	Cellulose	20
		40	Fibrous Glass	

Lab No.: 5538769	Description / Location: White Ceiling Tile			
Client No.: 15	Room 102 NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	40	Cellulose	20
		40	Fibrous Glass	

Lab No.: 5538770	Description / Location: White Ceiling Tile			
Client No.: 16	Room 102 E			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	40	Cellulose	20
		40	Fibrous Glass	

Lab No.: 5538771	Description / Location: Grey Mortar			
Client No.: 17	Room 102 NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: T. Lowe

Date: 2/4/2015



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 Mount Laurel, NJ 08054
 Toll Free 877-428-4285
 Local: 856-231-9449
 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355350
Project: Bldg 10
Project No.: 15216-10

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538772	Description / Location: Dk Grey Mortar			
Client No.: 18	Room 102 NW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538772	Description / Location: Lt Grey Mortar	Layer No.: 2		
Client No.: 18	Room 102 NW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538773	Description / Location: Grey Glazing			
Client No.: 19	Ext. E S			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 0.25	Chrysotile	2	Fibrous Glass	PC 97.75

Lab No.: 5538774	Description / Location: Grey Glazing			
Client No.: 20	Ext. E S			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 0.5	Chrysotile	2	Fibrous Glass	PC 97.5

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: T. Lowe

Date: 2/4/2015



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 Mount Laurel, NJ 08054
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 Local: 856-231-9449
 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355350
Project: Bldg 10
Project No.: 15216-10

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538775	Description / Location: White Ceiling Tile			
Client No.: 21	Room 102 E			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	40	Cellulose	20
		40	Fibrous Glass	

Lab No.: 5538776	Description / Location: Tan Insulation			
Client No.: 22	Room 102 NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
10	Chrysotile	20	Fibrous Glass	60
		10	Cellulose	

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: T. Lowe

Date: 2/4/2015

- Chain of Custody -

Client: Sigma

Project Name: _____
 Project No.: 15216-10

Phone: (414) 643-4200
 FAX: _____

Contact: Russ Creighton
 Pager: _____

Special Instructions: Email results to rcreighton@thesigmagroup.com

Type:

Asbestos	Lead	Other
<input type="checkbox"/> Air	<input type="checkbox"/> Air	<input type="checkbox"/> Soil
<input checked="" type="checkbox"/> Bulk	<input type="checkbox"/> Bulk	<input type="checkbox"/> Paint
<input type="checkbox"/> Water	<input type="checkbox"/> Water	<input type="checkbox"/> Other
<input type="checkbox"/> Soil	<input type="checkbox"/> Soil	_____
<input type="checkbox"/> Dust	<input type="checkbox"/> Paint	_____
<input type="checkbox"/> Other	<input type="checkbox"/> Other	_____

Analysis Method:

<input type="checkbox"/> PCM : NIOSH 7400	<input checked="" type="checkbox"/> PLM : Bulk Asbestos EPA 600	<input type="checkbox"/> TEM : AHERA
<input type="checkbox"/> PCM : OSHA	<input type="checkbox"/> PLM : Point Counting 198.1	<input type="checkbox"/> TEM : NIOSH 7402
<input type="checkbox"/> PCM : Other _____	<input type="checkbox"/> PLM : NOB via 198.1 (PLM only)	<input type="checkbox"/> TEM : EPA Level II
<input type="checkbox"/> AAS : NIOSH 7082 (Air)	<input type="checkbox"/> If <1% by PLM, to TEM via 198.4 to meet NYSDOH requirements **	<input type="checkbox"/> TEM : Microvac / Wipe
<input type="checkbox"/> AAS : Lead in Drinking Water	(**call to confirm TAT!)	<input type="checkbox"/> TEM : Asbestos in Water
<input type="checkbox"/> AAS : Lead in Paint ASTM D3335-85a		<input type="checkbox"/> TEM : Bulk Analysis
<input type="checkbox"/> AAS : Lead Dust/Wipe "		<input type="checkbox"/> TEM : NOB 198.4
<input type="checkbox"/> AAS : Other Metals / Soil _____		<input type="checkbox"/> TEM : Other _____
		<input type="checkbox"/> Total Dust : NIOSH 0500

Turnaround Time:

FAX: _____ **Verbals:** _____
date / time date / time

10 Day 5 Day 3 Day 2 Day 1 Day 6 hour RUSH

Preliminary FAX/Verbal Results Requested by: _____

Sample Numbers:

Client #(s): 01 - 22
(start) (end)

IATL #(s): _____ - _____ Total: _____
(start) (end)

Chain of Custody:

Relinquished: <u>[Signature]</u>	Date: <u>1-26-15</u>	Time: <u>1200</u>
Received: _____	Date: _____	Time: _____
Sample Log-in: _____	Date: _____	Time: _____
Sample Prep: <u>[Signature]</u> <u>1/30/15</u>	Date: _____	Time: _____
Analyzed: <u>[Signature]</u> <u>2-4-15</u>	Date: _____	Time: _____
QA/QC Review: <u>[Signature]</u> <u>2-5-15</u>	Date: _____	Time: _____

Archived/Released: _____ QA/QC InterLAB Use: _____ Date: JAN 29 2015 Time: _____

IATL - By [Signature]

Sigma Sample Material List

Project: 15216
 Building: Bldg. 19

Date: 1-27-15
 Inspectors: OCA, PH

Sample Number	Homogenous Material Code	Homogeneous Material Description	Functional Area/ Room Number	Location within Room			
01	ABR-1	Black Built-up Roof Rubber Styro	ROOF	W	55	38	755
02				E	55	38	756
03	MBBM	8" Brick / Mortar	102	SW	55	38	757
04				SW	55	38	758
05				S	55	38	759
06	MC-1	GREY Door Caulk	101	SW	55	38	760
07	MC-10	WHITE Drain Caulk	Ext N	SW E	55	38	761
08	MC-11	DK. GREY VENT Caulk	Ext N	E	55	38	762
09	MC-12	OLD WHITE Window Caulk	Ext E	N	55	38	763
10	MC-4	Cream Window Caulk	101	SE	55	38	764
11	MCRM	Concrete Block Mortar	101	SE	55	38	765
12	MMP-1	GREY Mortar Patch	102	E	55	38	766
13	MPG-1	Cream Window Glaze	EXT E	S	55	38	767
14	MSCT-3	2' White w/ Giss Suspended Ceiling	102	E	55	38	768
15				NE	55	38	769
16				E	55	38	770
17	MCBM	Concrete Block Mortar	102	NE	55	38	771
18			102	NW	55	38	772
19	MPG-1	Cream Window Glaze	EXT E	S	55	38	773
20			EXT E	S	55	38	774
21	MSCT-4	Smooth Square Pattern Suspended Ceiling	102	E	55	38	775
22	TF10F	10" Mag fitting	102	NE	55	38	776
23					55	38	776
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 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355355
Project: Building 11
Project No.: 15216-11

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538895	Description / Location: Black Roof Material			
Client No.: 01	Built-Up Roof-Domed; E			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	30	Fibrous Glass	70

Lab No.: 5538895	Description / Location: Black Roof Material	Layer No.: 2		
Client No.: 01	Built-Up Roof-Domed; E			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.2	Chrysotile	50	Cellulose	PC 48.8

Lab No.: 5538896	Description / Location: Black Roof Material			
Client No.: 02	Built-Up Roof-Domed; NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	30	Fibrous Glass	70

Lab No.: 5538896	Description / Location: Black Roof Material	Layer No.: 2		
Client No.: 02	Built-Up Roof-Domed; NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	80	Cellulose	20
		Trace	Hair	

Accreditation

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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Analytical Method:

US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments:

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Analysis Performed By: L. Solebello

Approved By: 

Date: 2/4/2015

Frank E. Ehrenfeld, III
 Laboratory Director



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355355
Project: Building 11
Project No.: 15216-11

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538897	Description / Location: Black Roof Material		
Client No.: 03	Built-Up Roof-Domed; NW		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	50	Cellulose
		5	Fibrous Glass

Lab No.: 5538898	Description / Location: Black Roof Material		
Client No.: 04	Built-Up Roof-Flat; W		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	10	Fibrous Glass
		Trace	Cellulose

Lab No.: 5538899	Description / Location: Black Roof Material		
Client No.: 05	Built-Up Roof-Flat; SE		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	10	Fibrous Glass
		Trace	Cellulose

Lab No.: 5538899	Description / Location: Black Roof Material		Layer No.: 2
Client No.: 05	Built-Up Roof-Flat; SE		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analysis Performed By: L. Solebello

Date: 2/4/2015



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 1300 West Canal Street
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Report Date: 2/4/2015
Report No: 355355
Project: Building 11
Project No.: 15216-11

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538900	Description / Location: Black Roof Material			
Client No.: 06	Built-Up Roof-Flat; E			
% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	15	Fibrous Glass	85
		Trace	Cellulose	

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 1300 West Canal Street
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Report Date: 2/4/2015
Report No.: 355355
Project: Building 11
Project No.: 15216-11

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538901	Description / Location: Black Roof Material			
Client No.: 07	Roof-Flashing; SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	15	Fibrous Glass	85

Lab No.: 5538901	Description / Location: Black Roof Material	Layer No.: 2		
Client No.: 07	Roof-Flashing; SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	70	Cellulose	30

Lab No.: 5538901	Description / Location: Black Roof Material	Layer No.: 3		
Client No.: 07	Roof-Flashing; SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538901	Description / Location: Black Roof Material	Layer No.: 4		
Client No.: 07	Roof-Flashing; SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 2.3	Chrysotile	10	Fibrous Glass	PC 87.7

Accreditation

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

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Comments:

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Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

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 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355355
Project: Building 11
Project No.: 15216-11

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538902	Description / Location: Black Roof Material			
Client No.: 08	Roof-Flashing; S			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	70	Cellulose	30

Lab No.: 5538903	Description / Location: Sample Not Analyzed			
Client No.: 09				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
	Sample Not Analyzed		Sample Not Analyzed	

Lab No.: 5538904	Description / Location: White Caulk			
Client No.: 10	Penetration; Roof; Center			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538905	Description / Location: Grey/Black Roof Material			
Client No.: 11	Parapet Seam; Roof; SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 3.2	Chrysotile	10	Cellulose	PC 86.8

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analysis Performed By: L. Solebello

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355355
Project: Building 11
Project No.: 15216-11

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538906	Description / Location: Sample Not Analyzed	
Client No.: 12		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>
Sample Not Analyzed		Sample Not Analyzed

Lab No.: 5538907	Description / Location: Grey/Black Tar	
Client No.: 13	Penetration; Roof; Center	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>
PC 3.5	Chrysotile	None Detected
		None Detected
		PC 96.5

Lab No.: 5538908	Description / Location: Grey Mortar; 8" Brick	
Client No.: 14	Rm 104; SW	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>
None Detected	None Detected	None Detected
		None Detected
		100

Lab No.: 5538909	Description / Location: Grey Mortar; 8" Brick	
Client No.: 15	Rm 202; N	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>
None Detected	None Detected	None Detected
		None Detected
		100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analysis Performed By: L. Solebello

Date: 2/4/2015



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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538910	Description / Location: Grey Mortar; 8" Brick			
Client No.: 16	Rm 204; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538911	Description / Location: Grey Putty			
Client No.: 17	Door; Rm 101; S			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
10	Chrysotile	None Detected	None Detected	90

Lab No.: 5538912	Description / Location: White Caulk			
Client No.: 18	Door; Rm 102; NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538913	Description / Location: White Caulk			
Client No.: 19	Door; Rm 104; SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analysis Performed By: L. Solebello

Date: 2/4/2015



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Project No.: 15216-11

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538914	Description / Location: Lt. Tan Caulk			
Client No.: 20	Window; Rm 201; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538915	Description / Location: White Caulk			
Client No.: 21	Bathroom; Rm 102; C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538916	Description / Location: Off-White Caulk			
Client No.: 22	Ext. Door/W; S			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538917	Description / Location: White Caulk			
Client No.: 23	Ext. E; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analysis Performed By: L. Solebello

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355355
Project: Building 11
Project No.: 15216-11

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538918	Description / Location: White Caulk			
Client No.: 24	Ext. E; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538919	Description / Location: White Caulk			
Client No.: 25	Ext. E; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538920	Description / Location: Grey Glazing			
Client No.: 26	Ext. Window; Ext. E; S			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.7	Chrysotile	None Detected	None Detected	PC 98.3

Lab No.: 5538921	Description / Location: Grey Mortar			
Client No.: 27	Concrete Block; Rm 103; S			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538922	Description / Location: Grey Mortar			
Client No.: 28	Concrete Block; Rm 104; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538923	Description / Location: Grey Mortar			
Client No.: 29	Concrete Block; Rm 201; S			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538924	Description / Location: Yellow/Grey Carpet Mastic/Leveling Cmpd			
Client No.: 30	Rm 101; S			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538925	Description / Location: Yellow/Grey Carpet Mastic/Leveling Cmpd			
Client No.: 31	Rm 101; NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

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Project: Building 11
Project No.: 15216-11

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538926	Description / Location: Yellow/Grey Carpet Mastic/Leveling Cmpd			
Client No.: 32	Rm 101; W			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538927	Description / Location: Tan Sheetrock			
Client No.: 33	Rm 102; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	25	Cellulose	75

Lab No.: 5538927	Description / Location: White Joint Compound	Layer No.: 2		
Client No.: 33	Rm 102; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538928	Description / Location: White/Tan Sheetrock			
Client No.: 34	Rm 202; C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Cellulose	80

Lab No.: 5538928	Description / Location: White Texture	Layer No.: 2		
Client No.: 34	Rm 202; C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538929	Description / Location: White/Tan Sheetrock			
Client No.: 35	Rm 203; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Cellulose	80

Lab No.: 5538929	Description / Location: White Joint Compound	Layer No.: 2		
Client No.: 35	Rm 203; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538930	Description / Location: Black Expansion Joint		
Client No.: 36	Rm 103; SE		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	70	Cellulose
			30

Lab No.: 5538931	Description / Location: Off-White/Grey Floor Tile; 12"		
Client No.: 37	Rm 101; NE		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
PC 1.2	Chrysotile	None Detected	None Detected
			PC 98.8

Lab No.: 5538931	Description / Location: Yellow Mastic		Layer No.: 2
Client No.: 37	Rm 101; NE		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 5538932	Description / Location: Yellow Mastic A/W 12" Floor Tile		
Client No.: 38	Rm 101; S		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected
			100

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538933	Description / Location: Yellow Mastic A/W 12" Floor Tile			
Client No.: 39	Rm 101; W			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538934	Description / Location: Tan/Red Epoxy			
Client No.: 40	Rm 102; NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538935	Description / Location: Tan/Red Epoxy			
Client No.: 41	Rm 102; NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538936	Description / Location: Tan/Red Epoxy			
Client No.: 42	Rm 102; NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538937	Description / Location: Grey Mortar		
Client No.: 43	Rm 201; NW		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 5538938	Description / Location: Lt. Grey Glazing		
Client No.: 44	Window; Rm 102; SE		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	2	Other
			98

Lab No.: 5538939	Description / Location: Lt. Tan Glazing		
Client No.: 45	Window; Rm 201; NE		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 5538940	Description / Location: Lt. Tan Glazing		
Client No.: 46	Window; Rm 201; SE		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538941	Description / Location: Brown Mastic		
Client No.: 47	Panel On Subway Tile; Rm 103; NE		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 5538942	Description / Location: White Paneling		
Client No.: 48	Panel RR; Rm 102; S		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	30	Fibrous Glass
			70

Lab No.: 5538942	Description / Location: Yellow Mastic		Layer No.: 2
Client No.: 48	Panel RR; Rm 102; S		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538943	Description / Location: Off-White Cementitious			
Client No.: 49	Panel RR; Rm 103; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538943	Description / Location: Grey Mortar	Layer No.: 2		
Client No.: 49	Panel RR; Rm 103; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538944	Description / Location: Off-White Cementitious			
Client No.: 50	Panel RR; Rm 103; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538944	Description / Location: Grey Mortar	Layer No.: 2		
Client No.: 50	Panel RR; Rm 103; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

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Analysis Performed By: L. Solebello

Date: 2/4/2015



9000 Commerce Parkway, Ste B
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 Toll Free 877-428-4285
 Local: 856-231-9449
 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355355
Project: Building 11
Project No.: 15216-11

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538945	Description / Location: Off-White Cementitious			
Client No.: 51	Rm 103; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538945	Description / Location: Grey Mortar	Layer No.: 2		
Client No.: 51	Rm 103; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538946	Description / Location: White/Tan Ceiling Tile; 2"			
Client No.: 52	Rm 101; SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	35	Cellulose	30
		35	Fibrous Glass	

Lab No.: 5538947	Description / Location: White/Tan Ceiling Tile; 2"			
Client No.: 53	Rm 101; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	35	Cellulose	30
		35	Fibrous Glass	

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Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355355
Project: Building 11
Project No.: 15216-11

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538948 **Description / Location:** White/Tan Ceiling Tile; 2"
Client No.: 54 Rm 101; NE

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	35	Cellulose	30
		35	Fibrous Glass	

Lab No.: 5538949 **Description / Location:** White/Tan Sheetrock/Ceiling Tile; 2x4
Client No.: 55 Rm 102; C

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	15	Cellulose	85
		Trace	Fibrous Glass	

Lab No.: 5538950 **Description / Location:** White/Tan Ceiling Tile; 2"
Client No.: 56 Rm 202; S

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	35	Cellulose	30
		35	Fibrous Glass	

Lab No.: 5538951 **Description / Location:** White/Tan Ceiling Tile; 2"
Client No.: 57 Rm 203; NE

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	35	Cellulose	30
		35	Fibrous Glass	

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Analysis Performed By: L. Solebello

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355355
Project: Building 11
Project No.: 15216-11

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538952 **Description / Location:** White/Tan Ceiling Tile; 2"
Client No.: 58 Rm 203; W

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	35	Cellulose	30
		35	Fibrous Glass	

Lab No.: 5538953 **Description / Location:** Off-White Ceramic Tile
Client No.: 59 Painted Subway Tile; Rm 101; S

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538953 **Description / Location:** Grey Mortar **Layer No.:** 2
Client No.: 59 Painted Subway Tile; Rm 101; S

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538954 **Description / Location:** Grey Mortar
Client No.: 60 Painted Subway Tile; Rm 102; N

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

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Analysis Performed By: L. Solebello

Date: 2/4/2015



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Report Date: 2/4/2015
Report No: 355355
Project: Building 11
Project No.: 15216-11

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538955	Description / Location: Off-White Ceramic Tile			
Client No.: 61	Painted Subway Tile; Rm 103; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538955	Description / Location: Grey Mortar	Layer No.: 2		
Client No.: 61	Painted Subway Tile; Rm 103; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538956	Description / Location: Lt.Brown Terrazzo			
Client No.: 62	Sink; Rm 102; W			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

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Report Date: 2/4/2015
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Project: Building 11
Project No.: 15216-11

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538957	Description / Location: Brown Cove Base; 4"			
Client No.: 63	Rm 101; S			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538957	Description / Location: Brown Mastic	Layer No.: 2		
Client No.: 63	Rm 101; S			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538958	Description / Location: Lt.Tan Glazing			
Client No.: 64	Window; Rm 101; S			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355355
Project: Building 11
Project No.: 15216-11

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538959	Description / Location: Off-White Plaster			
Client No.: 65	Wall; Rm 103; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538959	Description / Location: Grey Plaster	Layer No.: 2		
Client No.: 65	Wall; Rm 103; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538960	Description / Location: Off-White Plaster			
Client No.: 66	Wall; Rm 103; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538960	Description / Location: Grey Plaster	Layer No.: 2		
Client No.: 66	Wall; Rm 103; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

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Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
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Project: Building 11
Project No.: 15216-11

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538961	Description / Location: Off-White Plaster			
Client No.: 67	Wall; Rm 103; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538961	Description / Location: Grey Plaster	Layer No.: 2		
Client No.: 67	Wall; Rm 103; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538962	Description / Location: Lt.Grey Plaster			
Client No.: 68	Ceiling; Rm 101; SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538963	Description / Location: Lt.Grey Plaster			
Client No.: 69	Ceiling; Rm 102; E			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

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Date: 2/4/2015



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 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355355
Project: Building 11
Project No.: 15216-11

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538964	Description / Location: Lt.Grey Plaster			
Client No.: 70	Ceiling; Rm 201; SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538965	Description / Location: Lt.Grey Plaster			
Client No.: 71	Ceiling; Rm 201; SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538966	Description / Location: Lt.Grey Plaster			
Client No.: 72	Ceiling; Rm 201; SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

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 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355355
Project: Building 11
Project No.: 15216-11

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538967	Description / Location: Grey Insulation			
Client No.: 73	Fitting 0-5"; Rm 102; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	15	Fibrous Glass	85

Lab No.: 5538967	Description / Location: Off-White Wrap	Layer No.: 2		
Client No.: 73	Fitting 0-5"; Rm 102; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	85	Cellulose	15

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analysis Performed By: L. Solebello

Date: 2/4/2015

International Asbestos Testing Laboratories
16000 Horizon Way, Unit 100
Mt. Laurel, New Jersey 08054

Tel. 856 231-9449
Fax 856 231-9818

- Chain of Custody -

Client: Sigma

Project Name: _____
Project No.: 15216-11

Phone: (414) 643-4200
FAX: _____

Contact: Ross Creighton
Pager: _____

Special Instructions: Email results to rcreighton@thesigmagroup.com

Type:

<u>Asbestos</u>		<u>Lead</u>		<u>Other</u>	
<input type="checkbox"/> Air	<input type="checkbox"/> Soil	<input type="checkbox"/> Air	<input type="checkbox"/> Soil	_____	_____
<input checked="" type="checkbox"/> Bulk	<input type="checkbox"/> Dust	<input type="checkbox"/> Bulk	<input type="checkbox"/> Paint	_____	_____
<input type="checkbox"/> Water	<input type="checkbox"/> Other	<input type="checkbox"/> Water	<input type="checkbox"/> Other	_____	_____

Analysis Method:

<input type="checkbox"/> PCM : NIOSH 7400	<input checked="" type="checkbox"/> PLM : Bulk Asbestos EPA 600	<input type="checkbox"/> TEM : AHERA
<input type="checkbox"/> PCM : OSHA	<input type="checkbox"/> PLM : Point Counting 198.1	<input type="checkbox"/> TEM : NIOSH 7402
<input type="checkbox"/> PCM : Other _____	<input type="checkbox"/> PLM : NOB via 198.1 (PLM only)	<input type="checkbox"/> TEM : EPA Level II
<input type="checkbox"/> AAS : NIOSH 7082 (Air)	<input type="checkbox"/> If <1% by PLM, to TEM via 198.4	<input type="checkbox"/> TEM : Microvac / Wipe
<input type="checkbox"/> AAS : Lead in Drinking Water	to meet NYSDOH requirements **	<input type="checkbox"/> TEM : Asbestos in Water
<input type="checkbox"/> AAS : Lead in Paint ASTM D3335-85a	(**call to confirm TAT!)	<input type="checkbox"/> TEM : Bulk Analysis
<input type="checkbox"/> AAS : Lead Dust/Wipe "		<input type="checkbox"/> TEM : NOB 198.4
<input type="checkbox"/> AAS : Other Metals / Soil _____		<input type="checkbox"/> TEM : Other _____
		<input type="checkbox"/> Total Dust : NIOSH 0500

Turnaround Time:

FAX: _____ Verbal: _____
date / time date / time

10 Day 5 Day 3 Day 2 Day 1 Day 6 hour RUSH

Preliminary FAX/Verbal Results Requested by: _____

Sample Numbers:

Client #(s): 01 - 73 IATL#(s): _____ Total: _____
(start) (end) (start) (end)

Chain of Custody:

Relinquished: <u>[Signature]</u>	Date: <u>12/25/15</u>	Time: <u>12:00</u>
Received: _____	Date: _____	Time: _____
Sample Log-in: <u>2/11/15</u>	Date: _____	Time: _____
Sample Prep: _____	Date: _____	Time: _____
Analyzed: <u>[Signature]</u>	Date: <u>2/11/15</u>	Time: <u>2:00</u>
QA/QC Review: <u>[Signature]</u>	Date: _____	Time: _____

Archived/Released: _____ QA/QC InterLAB Use: _____ Date: JAN 27 2015 Time: _____

Sigma Sample Material List

Project: # 15216
 Building: # 11

LS 7/4/15

Date: 1-26-15

Inspectors: DA PU

Sample Number	Homogenous Material Code	Homogeneous Material Description	Functional Area/ Room Number	Location within Room	
01	MBR-1	Black Built up Roof - DOMED	ROOF	E	55388895
02				NE	55388896
03				NW	55388897
04	MBR-2	Black Built up Roof - FLAT	ROOF	W	55388898
05				SW SE	55388899
06				E	55388900
07	MRF	Silver/Grey Roof Flashing	ROOF	SW	55388901
08				S	55388902
09				S	55388903
10	MC-20	White Penetration Caulk	Roof	Center	55388904
11	MST	GREY Parapet Seam Tape	Roof	SW	55388905
12				Center	55388906
13	MRT-	Black Penetration Tar	Roof	Center	55388907
14	MBBM-1	8" Brick/MORTAR	104	SW	55388908
15			202	N	55388909
16			204	N	55388910
17	MC-1	GREY DOOR CAULK	101	S	55388911
18	MC-2	WHITE DOOR CAULK	102	NE	55388912
19	MC-3	BROWN DOOR CAULK	104	SW	55388913
20	MC-4	CREAM WINDOW CAULK	201	SE	55388914
21	MC-5	WHITE BATHROOM CAULK	102	C	55388915
22	MC-6	WHITE EXT DOOR CAULK	Ext W	S	55388916
23	MC-7	WHITE EXT CAULK	EXT E	N	55388917
24				N	55388918
25				N	55388919
26	MC-8	GREY EXT WINDOW CAULK	EXT E	S	55388920
27	MCBM	CONCRETE BLOCK/MORTAR	103	S	55388921
28			104	N	55388922
29			201	S	55388923
30	MCM-1	TAN CARPET MASTIC	101	SE S	55388924
31				NE	55388925
32				W	55388926
33	MDWC	DRYWALL JOINT COMPOUND	102	SE	55388927
34			202	G	55388928
35			203	N	55388929
36	MEJ	EXPANSION JOINT	103	SE	55388930
37	MF12	12" FLOOR TILE - CREAM w/ GREY FLECKS	101	NE	55388931
38				S	55388932
39				W	55388933
40	MFL-1	Linoleum TAN w/ BROWN + GREY SPECK	102	NE	55388934
41				NE	55388935
42				NE	55388936
43	MMP-1	GREY MORTAR PATCH	201	NW	55388937
44	MPG-1	CREAM WINDOW GLAZE	102	SE	55388938
45			201	NE	55388939
46			201	SE	55388940
47	MPM-1	BROWN ON PANEL ON SUBMT TILE	103	NE	55388941
48	MPM-2	WHITE PANEL MASTIC - WHITE PANEL R.R.	102	S	55388942
49	MPRB	WHITE PYROBLOCK	103	SE	55388943
50				SE	55388944

Sigma Sample Material List

Project: # 15216
 Building: # 11

LS 2/4/15

Date: 1-26-15
 Inspectors:

Sample Number	Picture Number	Homogenous Material Code	Homogeneous Material Description	Functional Area/ Room Number	Location within Room
51		MPRB	WHITE PYRO BLOCK	103	SE 553895
52		MSCT-1	2" WHITE W/ PINHOLES	101	SW 553896
53					SE 553897
54					NE 553898
55		MSCT-2	2x4 WHITE SMOOTH C.TILE	102	C 553899
56		MSCT-3	2' WHITE FISSURES C.TILE	202	S 553890
57				203	NE 553891
58					W 553892
59		MSWT	BROWN &/OR CREAM PAINTED SUBWAY TILE	101	S 553893
60				102	N 553894
61				103	SE 553895
62		MTF-1	TERAZZO - BROWN SINK	102	W 553896
63		MV4-1	4" BROWN VINYL BASEBOARD	101	S 553897
64		MWG	WINDOW GLAZE-CREAM	101	S 553898
65		MWSC	WALL SKIM COAT	103	SE 553899
66					SE 553896
67					SE 553896
68		SPK	PLASTER WALL CEILING	101	SW 553896
69				102	E 553896
70				201	SW 553896
71					SW 553896
72					SW 553896
73		TF5F	MAG FITTING, 0-5"	102	N 553896
74					
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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355349
Project: Building 12
Project No.: 15216-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538404	Description / Location: Black Tar			
Client No.: 01	Roof			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538405	Description / Location: Black Tar			
Client No.: 02	Roof			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538406	Description / Location: Black Tar			
Client No.: 03	Roof			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538407	Description / Location: Black Tar			
Client No.: 04	Roof			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
15	Chrysotile	None Detected	None Detected	85

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: B. Hargrove

Approved By: 

Date: 2/4/2015

Frank E. Ehrenfeld, III
 Laboratory Director



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355349
Project: Building 12
Project No.: 15216-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538408 **Description / Location:** Sample Not Analyzed
Client No.: 05

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
	Sample Not Analyzed		Sample Not Analyzed	

Lab No.: 5538409 **Description / Location:** Sample Not Analyzed
Client No.: 06

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
	Sample Not Analyzed		Sample Not Analyzed	

Lab No.: 5538410 **Description / Location:** Black/White Shingle
Client No.: 07 Roof

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	15	Synthetic	85

Lab No.: 5538411 **Description / Location:** Black/White Shingle
Client No.: 08 Roof

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Synthetic	80

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Analysis Performed By: B. Hargrove

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355349
Project: Building 12
Project No.: 15216-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538412	Description / Location: Black/White Shingle			
Client No.: 09	Roof			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Synthetic	80

Lab No.: 5538413	Description / Location: Grey Caulk			
Client No.: 10	Seam; Roof			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538413	Description / Location: Brown Caulk	Layer No.: 2		
Client No.: 10	Seam; Roof			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 4.4	Chrysotile	None Detected	None Detected	PC 95.6

Lab No.: 5538414	Description / Location: Grey Caulk			
Client No.: 11	Seam; Roof			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analysis Performed By: B. Hargrove

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355349
Project: Building 12
Project No.: 15216-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538415	Description / Location: Grey Caulk			
Client No.: 12	Seam; Roof			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538416	Description / Location: White Caulk			
Client No.: 13	Gutter; Roof			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538417	Description / Location: White Caulk			
Client No.: 14	Gutter; Roof			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538418	Description / Location: White Caulk			
Client No.: 15	Gutter; Roof			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analysis Performed By: B. Hargrove

Date: 2/4/2015



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Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355349
Project: Building 12
Project No.: 15216-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538419	Description / Location: White Caulk			
Client No.: 16	Penetration; Roof			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538420	Description / Location: White Caulk			
Client No.: 17	Penetration; Roof			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538421	Description / Location: White Caulk			
Client No.: 18	Penetration; Roof			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analysis Performed By: B. Hargrove

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355349
Project: Building 12
Project No.: 15216-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538422	Description / Location: Grey Mortar			
Client No.: 19	A/W 8" Brick; 101; NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538422	Description / Location: Brown Mortar	Layer No.: 2		
Client No.: 19	A/W 8" Brick; 101; NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538423	Description / Location: Brown Mortar			
Client No.: 20	A/W 8" Brick; 105; NW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538424	Description / Location: Brown Mortar			
Client No.: 21	A/W 8" Brick; 106; NW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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Analysis Performed By: B. Hargrove

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355349
Project: Building 12
Project No.: 15216-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538425	Description / Location: Dk.Grey Concrete			
Client No.: 22	A/W Block; 101; NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538425	Description / Location: Lt.Grey Mortar	Layer No.: 2		
Client No.: 22	A/W Block; 101; NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538426	Description / Location: Dk.Grey Concrete			
Client No.: 23	A/W Block; 103; W			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538426	Description / Location: Lt.Grey Mortar	Layer No.: 2		
Client No.: 23	A/W Block; 103; W			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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Analytical Method:

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Comments:

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Analysis Performed By: M. Mirza

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355349
Project: Building 12
Project No.: 15216-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538427	Description / Location: Dk.Grey Concrete			
Client No.: 24	A/W Block; 104; W			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538427	Description / Location: Lt.Grey Mortar	Layer No.: 2		
Client No.: 24	A/W Block; 104; W			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538428	Description / Location: Black/Brown Fibrous			
Client No.: 25	Expansion Joint; 101; NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	90	Cellulose	10

Lab No.: 5538429	Description / Location: Black/Brown Fibrous			
Client No.: 26	Expansion Joint; 104; W			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	90	Cellulose	10

Accreditation

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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Project No.: 15216-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538430	Description / Location: Black/Brown Fibrous			
Client No.: 27	Expansion Joint; 105; NW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	90	Cellulose	10

Lab No.: 5538431	Description / Location: Lt.Grey Caulk			
Client No.: 28	Door Seam; 101; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	Trace	Fibrous Glass	100

Lab No.: 5538432	Description / Location: Lt.Grey Caulk			
Client No.: 29	Door Seam; 102; NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	Trace	Fibrous Glass	100

Lab No.: 5538433	Description / Location: Lt.Grey Caulk			
Client No.: 30	Door Seam; 103; W			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	Trace	Fibrous Glass	100

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538434	Description / Location: Tan/Red Floor Material			
Client No.: 31	102; NW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	1	Fibrous Glass	99

Lab No.: 5538435	Description / Location: Tan/Red Floor Material			
Client No.: 32	102; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	1	Fibrous Glass	99

Lab No.: 5538436	Description / Location: Tan/Red Floor Material			
Client No.: 33	102; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	1	Fibrous Glass	99

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538437	Description / Location: Brown Ceramic Tile; 6"		
Client No.: 34	102; NW		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 5538437	Description / Location: Off-White Grout		Layer No.: 2
Client No.: 34	102; NW		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 5538438	Description / Location: Brown Ceramic Tile; 6"		
Client No.: 35	102; N		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 5538438	Description / Location: Off-White Grout		Layer No.: 2
Client No.: 35	102; N		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538439	Description / Location: Brown Ceramic Tile; 6"			
Client No.: 36	102; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538439	Description / Location: Off-White Grout	Layer No.: 2		
Client No.: 36	102; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538440	Description / Location: White Ceramic Tile; 4"			
Client No.: 37	102; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538440	Description / Location: White Grout	Layer No.: 2		
Client No.: 37	102; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538441	Description / Location: White Ceramic Tile; 4"			
Client No.: 38	102; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538441	Description / Location: Yellow Mastic	Layer No.: 2		
Client No.: 38	102; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538441	Description / Location: White Grout	Layer No.: 3		
Client No.: 38	102; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538442	Description / Location: White Ceramic Tile; 4"			
Client No.: 39	102; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538442	Description / Location: Yellow Mastic	Layer No.: 2		
Client No.: 39	102; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538442	Description / Location: White Grout	Layer No.: 3		
Client No.: 39	102; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538443	Description / Location: Grey Mortar; A/W Block			
Client No.: 40	102; NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538444	Description / Location: Tan Sheetrock			
Client No.: 41	102; NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	10	Cellulose	90

Lab No.: 5538444	Description / Location: White Joint Compound	Layer No.: 2		
Client No.: 41	102; NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538445	Description / Location: Tan Sheetrock			
Client No.: 42	102; NW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	10	Cellulose	90

Lab No.: 5538445	Description / Location: Tan Joint Compound	Layer No.: 2		
Client No.: 42	102; NW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538446	Description / Location: Tan Sheetrock			
Client No.: 43	102; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	10	Cellulose	90

Lab No.: 5538446	Description / Location: White Joint Compound	Layer No.: 2		
Client No.: 43	102; SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538447	Description / Location: White/Tan Sheetrock Ceiling Tile; 2x4			
Client No.: 44	102; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	2	Fibrous Glass	93
		5	Cellulose	

Lab No.: 5538448	Description / Location: White/Tan Sheetrock Ceiling Tile; 2x4			
Client No.: 45	102; N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	5	Cellulose	93
		2	Fibrous Glass	

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538449	Description / Location: White/Tan Sheetrock Ceiling Tile; 2x4		
Client No.: 46	102; N		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	5	Cellulose
		2	Fibrous Glass
			93

Lab No.: 5538450	Description / Location: White Caulk		
Client No.: 47	Locker/Urinal; 102; NE		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 5538451	Description / Location: Off-White/Lt.Grey Terrazzo		
Client No.: 48	Floor; 102; NE		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 5538452	Description / Location: Lt.Grey Glazing		
Client No.: 49	Window; 102; NE		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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 This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: M. Mirza

Date: 2/4/2015



9000 Commerce Parkway, Ste B
 Mount Laurel, NJ 08054
 Toll Free 877-428-4285
 Local: 856-231-9449
 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355349
Project: Building 12
Project No.: 15216-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538453	Description / Location: Tan Fibrous		
Client No.: 50	Duct Connector; 201; N		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	90	Fibrous Glass
			10

Lab No.: 5538454	Description / Location: Black Fibrous		
Client No.: 51	Duct Connector; 201; C		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	5	Fibrous Glass
			95

Lab No.: 5538455	Description / Location: Tan Wrap		
Client No.: 52	201; N		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	90	Cellulose
			10

Lab No.: 5538455	Description / Location: Yellow Insulation		Layer No.: 2
Client No.: 52	201; N		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	100	Mineral Wool
			None Detected

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analysis Performed By: M. Mirza

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355349
Project: Building 12
Project No.: 15216-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538456	Description / Location: Brown Caulk			
Client No.: 53	Window; 201; E			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	2	Fibrous Glass	98

Lab No.: 5538457	Description / Location: Tan Insulation			
Client No.: 54	0-5" Fitting; 201; E			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Mineral Wool	80

Lab No.: 5538458	Description / Location: Tan Insulation			
Client No.: 55	0-5" Fitting; 201; C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Mineral Wool	80

Lab No.: 5538459	Description / Location: Tan Insulation			
Client No.: 56	0-5" Fitting; 201; W			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Mineral Wool	80

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: M. Mirza

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355349
Project: Building 12
Project No.: 15216-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538460	Description / Location: Tan Insulation			
Client No.: 57	6-10" Fitting; 201; C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Mineral Wool	80

Lab No.: 5538461	Description / Location: White Putty			
Client No.: 58	(@ Ext. Wall); 201; E			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 2.3	Chrysotile	None Detected	None Detected	PC 97.7

Lab No.: 5538462	Description / Location: Dk.Brown Putty			
Client No.: 59	Seam (Conc. Wall); 105; NW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.4	Chrysotile	None Detected	None Detected	PC 98.6

Lab No.: 5538463	Description / Location: White Putty			
Client No.: 60	Duct; 106; NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	2	Other	98

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: M. Mirza

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355349
Project: Building 12
Project No.: 15216-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538464	Description / Location: Brown Caulk			
Client No.: 61	Panel; Ext. S; C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538465	Description / Location: Dk.Brown Putty			
Client No.: 62	Panel Underside; Ext. S; C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.6	Chrysotile	None Detected	None Detected	PC 98.4

Lab No.: 5538466	Description / Location: White Glazing			
Client No.: 63	Panel Underside; Ext. E; S			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538467	Description / Location: White Caulk			
Client No.: 64	Wall Penetration; Ext. E; C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

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Analysis Performed By: M. Mirza

Date: 2/4/2015



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 Mount Laurel, NJ 08054
 Toll Free 877-428-4285
 Local: 856-231-9449
 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355349
Project: Building 12
Project No.: 15216-12

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538468	Description / Location: Grey Caulk		
Client No.: 65	Window; Ext. E; C		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	2	Fibrous Glass
			98

Lab No.: 5538469	Description / Location: Brown Caulk		
Client No.: 66	Window; Ext. E; C		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected
			100

Lab No.: 5538469	Description / Location: Black Putty		Layer No.: 2
Client No.: 66	Window; Ext. E; C		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>% Non-Fibrous Material</u>
PC 3.5	Chrysotile	None Detected	None Detected
			PC 96.5

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

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Analysis Performed By: M. Mirza

Date: 2/4/2015

- Chain of Custody -

Client: Sigma

Project Name: _____
 Project No.: 15216-12

Phone: (414) 643-4200
 FAX: _____

Contact: Ross Creighton
 Pager: _____

Special Instructions: Email results to rcreighton@the-sigma-group.com

Type:

Asbestos		Lead		Other				
<input type="checkbox"/>	Air	<input type="checkbox"/>	Soil	<input type="checkbox"/>	Air	<input type="checkbox"/>	Soil	_____
<input checked="" type="checkbox"/>	Bulk	<input type="checkbox"/>	Dust	<input type="checkbox"/>	Bulk	<input type="checkbox"/>	Paint	_____
<input type="checkbox"/>	Water	<input type="checkbox"/>	Other	<input type="checkbox"/>	Water	<input type="checkbox"/>	Other	_____

Analysis Method:

<input type="checkbox"/>	PCM : NIOSH 7400	<input checked="" type="checkbox"/>	PLM : Bulk Asbestos EPA 600	<input type="checkbox"/>	TEM : AHERA
<input type="checkbox"/>	PCM : OSHA	<input type="checkbox"/>	PLM : Point Counting 198.1	<input type="checkbox"/>	TEM : NIOSH 7402
<input type="checkbox"/>	PCM : Other _____	<input type="checkbox"/>	PLM : NOB via 198.1 (PLM only)	<input type="checkbox"/>	TEM : EPA Level II
<input type="checkbox"/>	AAS : NIOSH 7082 (Air)	<input type="checkbox"/>	If <1% by PLM, to TEM via 198.4 to meet NYSDOH requirements ** (**call to confirm TAT!)	<input type="checkbox"/>	TEM : Microvac / Wipe
<input type="checkbox"/>	AAS : Lead in Drinking Water			<input type="checkbox"/>	TEM : Asbestos in Water
<input type="checkbox"/>	AAS : Lead in Paint ASTM D3335-85a			<input type="checkbox"/>	TEM : Bulk Analysis
<input type="checkbox"/>	AAS : Lead Dust/Wipe "			<input type="checkbox"/>	TEM : NOB 198.4
<input type="checkbox"/>	AAS : Other Metals / Soil _____			<input type="checkbox"/>	TEM : Other _____
				<input type="checkbox"/>	Total Dust : NIOSH 0500

Turnaround Time:

FAX: _____ Verbal: _____
date / time date / time

10 Day 5 Day 3 Day 2 Day 1 Day 6 hour RUSH

Preliminary FAX/Verbal Results Requested by: _____

Sample Numbers:

Client #(s): 01 - 66
(start) (end)

IATL #(s): _____ Total: _____
(start) (end)

Chain of Custody:

Relinquished: <u>[Signature]</u>	Date: <u>1/29/15</u>	Time: <u>12:00</u>
Received: _____	Date: _____	Time: _____
Sample Log-in: <u>M 1130/15</u>	Date: _____	Time: _____
Sample Prep: _____	Date: _____	Time: _____
Analyzed: <u>MM 2/4/15</u>	Date: <u>JAN 29 2015</u>	Time: _____
QA/QC Review: <u>[Signature]</u>	Date: _____	Time: _____

Archived/Released: _____ QA/QC InterLAB Use: _____ Date: IATL BY [Signature] Time: _____

Supplemental Asbestos Chain of Custody

Project Number: 15216-12

Number of Samples: 66

In addition to the information provided on the laboratory chain of custody, Sigma requires the following (checked items only):

- When the laboratory observes an apparent discrepancy between Sigma's material description and the sample received by the laboratory, the laboratory shall flag the material description on the laboratory report and define on the laboratory report the specific discrepancy(s) noted.
- With the exception of drywall and joint compound samples, analyze and report each distinct and separable material layer unless otherwise instructed on the attached "Sigma Sample Material List" sheet(s). Laboratory to determine distinct and separable layers and provide layer descriptions for each individual layer.
- Analyze and report each distinct and separable material layer unless otherwise instructed on the attached "Sigma Sample Material List" sheet(s). Laboratory to determine distinct and separable layers and provide layer descriptions for each individual layer.
- Discontinue analysis of homogenous material upon determining that the material contains greater than one percent asbestos content. If the homogeneous material contains multiple layers, continue analysis of each layer until all samples have been analyzed or until it has been determined that the layer contains greater than one percent asbestos content. See item #4 for flooring system Positive Stop instructions.

For example, if Sigma submitted three roofing system samples and the top layer sample analysis revealed asbestos is present at greater than one percent, the top layer analysis would be discontinued but the underlying layer(s) analysis would continue until greater than one percent asbestos is detected or until all three underlying sample layers have been analyzed. This assumes, however, that the materials are in fact homogenous. Through microscopic examination, it may be determined by the analyst that there are additional layers not present in each sample. In that case, the individual sample layer should also be analyzed.

- Flooring Systems (including floor tile systems, vinyl flooring systems, vinyl laminate systems, and stair tread systems):** Conduct analysis of the mastic layer(s) first. If analysis reveals greater than one percent asbestos content, discontinue analysis of the mastic layers and do not analyze the flooring material (tile, vinyl, laminate, etc.) Call Jeff Senn at (414) 643-4151 with specific questions.

International Asbestos Testing Laboratories
16000 Horizon Way, Unit 100
Mt. Laurel, New Jersey 08054

Tel. 856 231-9449
Fax 856 231-9818

- Chain of Custody -

Client: Sigma

Project Name: _____
Project No.: 15216-12

Phone: (414) 643-4200
FAX: _____

Contact: Ross Creighton
Pager: _____

Special Instructions: Email results to rcreighton@the-sigma-group.com

Type:

Asbestos		Lead		Other	
<input type="checkbox"/>	Air	<input type="checkbox"/>	Soil	<input type="checkbox"/>	Air
<input checked="" type="checkbox"/>	Bulk	<input type="checkbox"/>	Dust	<input type="checkbox"/>	Bulk
<input type="checkbox"/>	Water	<input type="checkbox"/>	Other	<input type="checkbox"/>	Water
				<input type="checkbox"/>	Soil
				<input type="checkbox"/>	Paint
				<input type="checkbox"/>	Other

Analysis Method:

<input type="checkbox"/>	PCM : NIOSH 7400	<input checked="" type="checkbox"/>	PLM : Bulk Asbestos EPA 600	<input type="checkbox"/>	TEM : AHERA
<input type="checkbox"/>	PCM : OSHA	<input type="checkbox"/>	PLM : Point Counting 198.1	<input type="checkbox"/>	TEM : NIOSH 7402
<input type="checkbox"/>	PCM : Other _____	<input type="checkbox"/>	PLM : NOB via 198.1 (PLM only)	<input type="checkbox"/>	TEM : EPA Level II
<input type="checkbox"/>	AAS : NIOSH 7082 (Air)	<input type="checkbox"/>	If <1% by PLM, to TEM via 198.4	<input type="checkbox"/>	TEM : Microvac / Wipe
<input type="checkbox"/>	AAS : Lead in Drinking Water		to meet NYSDOH requirements **	<input type="checkbox"/>	TEM : Asbestos in Water
<input type="checkbox"/>	AAS : Lead in Paint ASTM D3335-85a		(**call to confirm TAT!)	<input type="checkbox"/>	TEM : Bulk Analysis
<input type="checkbox"/>	AAS : Lead Dust/Wipe			<input type="checkbox"/>	TEM : NOB 198.4
<input type="checkbox"/>	AAS : Other Metals / Soil _____			<input type="checkbox"/>	TEM : Other _____
				<input type="checkbox"/>	Total Dust : NIOSH 0500

Turnaround Time:

FAX: _____ date / time Verbals: _____ date / time

10 Day 5 Day 3 Day 2 Day 1 Day 6 hour RUSH

Preliminary FAX/Verbal Results Requested by: _____

Sample Numbers:

Client #(s): 01 - 66
(start) (end)

IATL#(s): _____ Total: _____
(start) (end)

Chain of Custody:

Relinquished: <u>[Signature]</u>	Date: <u>12/29/15</u>	Time: <u>12:00</u>
Received: _____	Date: <u>RECEIVED</u>	Time: _____
Sample Log-in: <u>1130/15</u>	Date: _____	Time: _____
Sample Prep: _____	Date: _____	Time: _____
Analyzed: <u>24-15</u>	Date: <u>JAN 2</u>	Time: <u>2015</u>
QA/QC Review: <u>2/15/15</u>	Date: _____	Time: _____

Archived/Released: _____ QA/QC InterLAB Use: _____ Date: IATL Time: _____

Supplemental Asbestos Chain of Custody

Project Number:

15216-12

Number of Samples:

66

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For example, if Sigma submitted three roofing system samples and the top layer sample analysis revealed asbestos is present at greater than one percent, the top layer analysis would be discontinued but the underlying layer(s) analysis would continue until greater than one percent asbestos is detected or until all three underlying sample layers have been analyzed. This assumes, however, that the materials are in fact homogenous. Through microscopic examination, it may be determined by the analyst that there are additional layers not present in each sample. In that case, the individual sample layer should also be analyzed.

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Sigma Sample Material List

Project: #15216

Date: 1-21-15

Building: #12

Inspectors: DA PM

65' x 150'

Sample Number	Picture Number	Homogenous Material Code	Homogeneous Material Description	Functional Area/ Room Number	Location within Room
01		MRT-1	ROOF TAR - BLACK	Roof	5538404
02		↓			5538405
03		↓			5538406
04		MRT-2	ROOF TAR - GREY		5538407
05		↓			5538408
06		↓			5538409
07		MAS	Asphalt Shingle Grey w/Black Specs		5538410
08		↓			5538411
09		↓			5538412
10		MC-13	SEAM CAULK - WHITE		5538413
11		↓			5538414
12		↓			5538415
13		MC-14	GUTTER CAULK (HARD) - WHITE		5538416
14		↓			5538417
15		↓			5538418
16		MC-15	PENETRATION CAULK - CREAM		5538419
17		↓			5538420
18		↓			5538421
19		MBBM	8" Brick Mortar	101	NE 5538422
20		↓	↓	105	NW 5538423
21		↓	↓	106	NW 5538424
22		MCBM	Concrete Block Mortar	101	NE 5538425
23		↓	↓	103	W 5538426
24		↓	↓	104	W 5538427
25		MEJ	Expansion Joint	101	NE 5538428
26		↓	↓	104	W 5538429
27		↓	↓	105	NW 5538430
28		MC-1	Lt. Grey Door Seam Caulk	101	SE 5538431
29		↓	↓	102	NE 5538432
30		↓	↓	103	W 5538433
31		MEF	Epoxy Flooring	102	NE NW 5538434
32		↓	↓	102	N 5538435
33		↓	↓	102	N 5538436
34		MCTM	6" Brown Ceramic	102	NN 5538437
35		↓	↓	102	N 5538438
36		↓	↓	102	N 5538439
37		MCTM-2	4" White Ceramic	102	N 5538440
38		↓	↓	102	N 5538441
39		↓	↓	102	N 5538442
40		MGBM	Glazed Block Mortar	102	NE 5538443
41		MDWC	Drywall Joint Compound	102	NE 5538444
42		↓	↓	↓	NW 5538445
43		↓	↓	↓	SE 5538446
44		MSCT-1	Susp. 2x4 White Smooth	102	N 5538447
45		↓	↓	↓	N 5538448
46		↓	↓	↓	N 5538449
47		MC-2	White Locker/Urinal caulk	102	NE 5538450
48		MTF	Terrazzo Floor	102	NE 5538451
49		MPG	Cream Window Glaze	102	NE 5538452
50		MAVD-1	White Vinyl Door Caulk	201	N 5538453

Sigma Sample Material List

Project: # 15216

Date: 1-26-15

Building: # 12

Inspectors: DA PH

Sample Number	Picture Number	Homogenous Material Code	Homogeneous Material Description	Functional Area/ Room Number	Location within Room
51		MVDC-2	Black Vinyl Duct Connector	201	C 5538454
52		TDI	Insulation Blanket	201	N 5538455
53		MC-3	Brown Window Caulk	201	E 5538456
54		TF5F	0-5" Mag fitting	201	E 5538457
55		↓	↓	↓	C 5538458
56		↓	↓	↓	W 5538459
57		TF10F	6-10" Mag fitting	201	C 5538460
58		MC-4	White Sticky Caulk (@ ceiling/ext. wall)	201	E 5538461
59		MC-5	Brown Seam Caulk (ceiling wall panel)	105	ND 5538462
60		MC-6	Cream Duct Caulk	106	NE 5538463
61		MC-7	Tan Horizontal Panel Caulk	Ext. S	C 5538464
62		MC-8	Dk. Brown Panel Underside	Ext. S	C 5538465
63		MC-9	White Panel Underside	Ext. E	S 5538466
64		MC-10	White Wall Penetration	Ext. E	C 5538467
65		MC-11	Light Grey Window	Ext. E	C 5538468
66		MC-12	Dk. Brown Window Caulk	Ext. E	C 5538469
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99					
100					

Sigma Sample Material List

Project: #15216

Date: 1-21-15

Building: #12

Inspectors: DA PA

65' x 150'

Sample Number	Picture Number	Homogenous Material Code	Homogeneous Material Description	Functional Area/ Room Number	Location within Room
01		MRT-1	ROOF TAR - BLACK	Roof	5538404
02		↓			5538405
03		↓			5538406
04		MRT-2	ROOF TAR - GREY		5538407
05		↓			5538408
06		↓			5538409
07		MAS	Asphalt Shingle Grey w/Black Specs		5538410
08		↓			5538411
09		↓			5538412
10		MC-13	SEAM CAULK - WHITE		5538413
11		↓			5538414
12		↓			5538415
13		MC-14	GUTTER CAULK (HARD) - WHITE		5538416
14		↓			5538417
15		↓			5538418
16		MC-15	PENETRATION CAULK - CREAM		5538419
17		↓			5538420
18		↓			5538421
19		MBBM	8" Brick Mortar	101	NE 5538422
20		↓		105	NW 5538423
21		↓		106	NW 5538424
22		MCBM	Concrete Block Mortar	101	NE 5538425
23		↓		103	EW 5538426
24		↓		104	W 5538427
25		MEJ	Expansion Joint	101	NE 5538428
26		↓		104	W 5538429
27		↓		105	NW 5538430
28		MC-1	Lt. Grey Door Seam Caulk	101	SE 5538431
29		↓		102	NE 5538432
30		↓		103	W 5538433
31		MEF	Epoxy Flooring	102	NE NW 5538434
32		↓		102	N 5538435
33		↓		102	N 5538436
34		MCTM	6" Brown Ceramic	102	NW 5538437
35		↓		102	N 5538438
36		↓		102	N 5538439
37		MCTM-2	4" White Ceramic	102	N 5538440
38		↓		102	N 5538441
39		↓		102	N 5538442
40		MGBM	Glazed Block Mortar	102	NE 5538443
41		MDWC	Drywall Joint Compound	102	NE 5538444
42		↓		↓	NW 5538445
43		↓		↓	SE 5538446
44		MSCT-1	Susp. 2x4 White Smooth	102	N 5538447
45		↓		↓	N 5538448
46		↓		↓	N 5538449
47		MC-2	White Locker/Urinal caulk	102	NE 5538450
48		MTF	Terrazzo Floor	102	NE 5538451
49		MPG	Cream Window Glaze	102	NE 5538452
50		↓		201	N 5538453



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355362
Project: Bldg 13
Project No.: 15216-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538793	Description / Location: Black Tar			
Client No.: 01	Roof N/NW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538794	Description / Location: Black Tar			
Client No.: 02	Roof N/NW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538795	Description / Location: Black Tar			
Client No.: 03	Roof N/NW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538796	Description / Location: Tan Caulk			
Client No.: 04	Roof N/NW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: T. Lowe

Approved By: 

Date: 2/4/2015

Frank E. Ehrenfeld, III
 Laboratory Director



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355362
Project: Bldg 13
Project No.: 15216-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538797	Description / Location: Tan Caulk			
Client No.: 05	Roof N/NW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538798	Description / Location: Tan Caulk			
Client No.: 06	Roof N/NW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538799	Description / Location: White Caulk			
Client No.: 07	Roof N/NW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538800	Description / Location: White Caulk			
Client No.: 08	Roof N/NW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analysis Performed By: T. Lowe

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355362
Project: Bldg 13
Project No.: 15216-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538801 **Description / Location:** White Caulk
Client No.: 09 Roof N/NW

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538802 **Description / Location:** Grey Mortar
Client No.: 10 Room 101 NE

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538803 **Description / Location:** Grey Mortar
Client No.: 11 Room 101 NE

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538804 **Description / Location:** Grey Mortar
Client No.: 12 Room 101 NW

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analysis Performed By: T. Lowe

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355362
Project: Bldg 13
Project No.: 15216-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538805	Description / Location: Brown Caulk			
Client No.: 13	Room 101 NW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.3	Chrysotile	None Detected	None Detected	PC 98.7

Lab No.: 5538806	Description / Location: Sample Not Analyzed			
Client No.: 14				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
	Sample Not Analyzed		Sample Not Analyzed	

Lab No.: 5538807	Description / Location: Sample Not Analyzed			
Client No.: 15				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
	Sample Not Analyzed		Sample Not Analyzed	

Lab No.: 5538808	Description / Location: Brown Fibrous			
Client No.: 16	Room 101 SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	90	Cellulose	10

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analysis Performed By: T. Lowe

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355362
Project: Bldg 13
Project No.: 15216-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538809	Description / Location: Brown Fibrous			
Client No.: 17	Room 101 SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	90	Cellulose	10

Lab No.: 5538810	Description / Location: Brown Fibrous			
Client No.: 18	Room 101 NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	90	Cellulose	10

Lab No.: 5538811	Description / Location: Grey Caulk			
Client No.: 19	Room 101 N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	3	Fibrous Glass	97

Lab No.: 5538812	Description / Location: Tan Caulk			
Client No.: 20	Ext. E N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analysis Performed By: T. Lowe

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355362
Project: Bldg 13
Project No.: 15216-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538813	Description / Location: Tan Caulk			
Client No.: 21	Ext. S E			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538814	Description / Location: Tan Caulk			
Client No.: 22	Ext. W N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538815	Description / Location: Brown Caulk			
Client No.: 23	Ext. E N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538816	Description / Location: Brown Caulk			
Client No.: 24	Ext. S E			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analysis Performed By: T. Lowe

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355362
Project: Bldg 13
Project No.: 15216-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538817	Description / Location: Brown Caulk			
Client No.: 25	Ext. W N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538818	Description / Location: Grey Caulk			
Client No.: 26	Ext. E N			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: T. Lowe

Date: 2/4/2015

Sigma Sample Material List

Project: #15216

Date: 1-21-15

Building: #13

Inspectors:

Sample Number	Picture Number	Homogenous Material Code	Homogeneous Material Description	Functional Area/ Room Number	Location within Room
01		MRT-1	BLACK ROOF TAR	ROOF	N/NW 55388
02		┆	┆	┆	┆ 55388
03		┆	┆	┆	┆ 55388
04		MC-6	CAULK - CREAM (GUTTERS)	ROOF	N/NW 55388
05		┆	┆	┆	┆ 55388
06		┆	┆	┆	┆ 55388
07		MC-7	CAULK - WHITE (PENETRATIONS)	ROOF	N/NW 55388
08		┆	┆	┆	┆ 55388
09		┆	┆	┆	┆ 55388
10		MCRM	Concrete Block + Mortar	101	NE 55388
11		┆	┆	┆	NE 55388
12		┆	┆	┆	NW 55388
13		MC-1	Brown Seam @ Concrete/Metal	101	NA 55388
14		┆	┆	┆	SW 55388
15		┆	┆	┆	SE 55388
16		MEJ	Expansion Joint	101	SE 55388
17		┆	┆	┆	SE 55388
18		┆	┆	┆	NE 55388
19		MC-2	White Door Caulk	101	N 55388
20		MC-3	Tan Horizontal Panel	EXT E	N 55388
21		┆	┆	EXT S	E 55388
22		┆	┆	EXT W	N 55388
23		MC-4	Dark Brown Panel (underside)	EXT E	N 55388
24		┆	┆	EXT S	E 55388
25		┆	┆	EXT W	N 55388
26		MC-5	Grey Door Caulk EXT	EXT E	N 55388
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9000 Commerce Parkway, Ste B
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 Toll Free 877-428-4285
 Local: 856-231-9449
 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355354
Project: Bldg 14
Project No.: 15216-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538873	Description / Location: Grey Mortar			
Client No.: 01	Rm 101 SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538874	Description / Location: Grey Mortar			
Client No.: 02	Rm 101 SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538875	Description / Location: Grey Mortar			
Client No.: 03	Ext. W C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538876	Description / Location: Grey Mortar			
Client No.: 04	Rm 101 SE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: S. Cone

Approved By: 

Date: 2/4/2015

Frank E. Ehrenfeld, III
 Laboratory Director



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355354
Project: Bldg 14
Project No.: 15216-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538877	Description / Location: Grey Mortar			
Client No.: 05	Rm 103 S			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538878	Description / Location: Grey Mortar			
Client No.: 06	Rm 104 S			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538879	Description / Location: Grey Door Caulk			
Client No.: 07	Rm 101 E			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 5.2	Chrysotile	None Detected	None Detected	PC 94.8

Lab No.: 5538880	Description / Location: Sample Not Analyzed			
Client No.: 08				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
	Sample Not Analyzed		Sample Not Analyzed	

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Analysis Performed By: S. Cone

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355354
Project: Bldg 14
Project No.: 15216-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538881	Description / Location: Sample Not Analyzed	
Client No.: 09		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>
Sample Not Analyzed		Sample Not Analyzed

Lab No.: 5538882	Description / Location: Off-White Fibrous	
Client No.: 10	Rm 101 SW	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>
15	Chrysotile	20
		<u>Type</u>
		Cellulose
		<u>% Non-Fibrous Material</u>
		65

Lab No.: 5538883	Description / Location: Off-White Fibrous	
Client No.: 11	Rm 101 N	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>
None Detected	None Detected	90
		<u>Type</u>
		Cellulose
		<u>% Non-Fibrous Material</u>
		10

Lab No.: 5538884	Description / Location: Brown/Black Fibrous	
Client No.: 12	Rm 102 NE	
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>
None Detected	None Detected	90
		<u>Type</u>
		Cellulose
		<u>% Non-Fibrous Material</u>
		10

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Analysis Performed By: S. Cone

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355354
Project: Bldg 14
Project No.: 15216-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538885	Description / Location: Brown/Black Fibrous			
Client No.: 13	Rm 103 NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	90	Cellulose	10

Lab No.: 5538886	Description / Location: Yellow/White Insulation			
Client No.: 15	Rm 101 SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	30	Cellulose	70

Lab No.: 5538887	Description / Location: Off-White Fibrous			
Client No.: 14	Rm 101 SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	70	Fibrous Glass	30

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analysis Performed By: S. Cone

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355354
Project: Bldg 14
Project No.: 15216-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538888	Description / Location: White Sheetrock			
Client No.: 17	Rm 102 SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	5	Fibrous Glass	90
		5	Cellulose	

Lab No.: 5538888	Description / Location: Off-White Ceiling Texture	Layer No.: 2		
Client No.: 17	Rm 102 SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538889	Description / Location: White Sheetrock			
Client No.: 18	Rm 102 SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	5	Fibrous Glass	90
		5	Cellulose	

Lab No.: 5538889	Description / Location: Off-White Ceiling Texture	Layer No.: 2		
Client No.: 18	Rm 102 SW			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analysis Performed By: S. Cone

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355354
Project: Bldg 14
Project No.: 15216-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538890	Description / Location: White Sheetrock			
Client No.: 19	Rm 103 NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	5	Fibrous Glass	90
		5	Cellulose	

Lab No.: 5538890	Description / Location: Off-White Ceiling Texture	Layer No.: 2		
Client No.: 19	Rm 103 NE			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538891	Description / Location: Grey Caulk			
Client No.: 20	Ext. W C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.3	Chrysotile	None Detected	None Detected	PC 98.7

Lab No.: 5538892	Description / Location: Dk Grey Door Caulk			
Client No.: 21	Ext. W C			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditation

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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Analytical Method:

US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments:

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Analysis Performed By: S. Cone

Date: 2/4/2015



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CERTIFICATE OF ANALYSIS

Client: Sigma Environmental Services
 1300 West Canal Street
 Milwaukee WI 53233

Report Date: 2/4/2015
Report No: 355354
Project: Bldg 14
Project No.: 15216-14

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5538893	Description / Location: Grey Caulk			
Client No.: 22	Ext. W S			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538894	Description / Location: Black Roof Material			
Client No.: 23	Roof W			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538894	Description / Location: Yellow Foam	Layer No.: 2		
Client No.: 23	Roof W			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5538894	Description / Location: Grey Fibrous	Layer No.: 3		
Client No.: 23	Roof W			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	90	Cellulose	10

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analysis Performed By: S. Cone

Date: 2/4/2015

International Asbestos Testing Laboratories
16000 Horizon Way, Unit 100
Mt. Laurel, New Jersey 08054

Tel. 856 231-9449
Fax 856 231-9818

- Chain of Custody -

Client: Sigma

Project Name: _____
Project No.: 15216-14

Phone: (414) 643-4200
FAX: _____

Contact: Ross Creighton
Pager: _____

Special Instructions: Email results to rcreighton@thesigmagroup.com

Type:

<u>Asbestos</u>		<u>Lead</u>		<u>Other</u>	
<input type="checkbox"/>	Air	<input type="checkbox"/>	Soil	<input type="checkbox"/>	Soil
<input checked="" type="checkbox"/>	Bulk	<input type="checkbox"/>	Dust	<input type="checkbox"/>	Paint
<input type="checkbox"/>	Water	<input type="checkbox"/>	Other	<input type="checkbox"/>	Other

Analysis Method:

<input type="checkbox"/>	PCM : NIOSH 7400	<input checked="" type="checkbox"/>	PLM : Bulk Asbestos EPA 600	<input type="checkbox"/>	TEM : AHERA
<input type="checkbox"/>	PCM : OSHA	<input type="checkbox"/>	PLM : Point Counting 198.1	<input type="checkbox"/>	TEM : NIOSH 7402
<input type="checkbox"/>	PCM : Other _____	<input type="checkbox"/>	PLM : NOB via 198.1 (PLM only)	<input type="checkbox"/>	TEM : EPA Level II
<input type="checkbox"/>	AAS : NIOSH 7082 (Air)	<input type="checkbox"/>	If <1% by PLM, to TEM via 198.4	<input type="checkbox"/>	TEM : Microvac / Wipe
<input type="checkbox"/>	AAS : Lead in Drinking Water		to meet NYSDOH requirements **	<input type="checkbox"/>	TEM : Asbestos in Water
<input type="checkbox"/>	AAS : Lead in Paint ASTM D3335-85a		(**call to confirm TAT!)	<input type="checkbox"/>	TEM : Bulk Analysis
<input type="checkbox"/>	AAS : Lead Dust/Wipe "			<input type="checkbox"/>	TEM : NOB 198.4
<input type="checkbox"/>	AAS : Other Metals / Soil _____			<input type="checkbox"/>	TEM : Other _____
				<input type="checkbox"/>	Total Dust : NIOSH 0500

Turnaround

FAX: _____ Verbal: _____

Time:

date / time

date / time

10 Day 5 Day 3 Day 2 Day 1 Day 6 hour RUSH

Preliminary FAX/Verbal Results Requested by: _____

Sample

Numbers:

Client #(s): 17-23
01-15
(start) (end)

IATL #(s): _____ Total: _____
(start) (end)

Chain of Custody:

Relinquished: <u>[Signature]</u>	Date: <u>1-28-15</u>	Time: _____
Received: _____	Date: _____	Time: _____
Sample Log-in: <u>M-1130115</u>	Date: _____	Time: _____
Sample Prep: _____	Date: _____	Time: _____
Analyzed: <u>[Signature]</u>	Date: <u>JAN 29 2015</u>	Time: _____
QA/QC Review: <u>[Signature]</u>	Date: _____	Time: _____

Archived/Released: _____ QA/QC InterLAB Use: _____

IATL - By: _____ Date: _____ Time: _____



Sigma Sample Material List

Project: # 15216

Date: 1-26-15

Building: # 14

Inspectors: DA PH

Sample Number	Homogenous Material Code	Homogeneous Material Description	Functional Area/ Room Number	Location within Room	
01	MBRM	8" Brick Mortar	101	SE	55388873
02			101	SE	55388874
03			Ext W		55388875
04	MCBM	Concrete Block Mortar	101	SE	55388876
05			103	S	55388877
06			104	S	55388878
07	MC-1	Grey Door Caulk	101	E	55388879
08			102	SW	55388880
09			103	S	55388881
10	TDD-1	White Paper Dust Wrap	101	SC	55388882
11	MES-1	Expansion Joint	101	N	55388883
12			102	NE	55388884
13			103	NE	55388885
15	TDI-1	Fh Cream Duct Insulation	101	SW	55388886
14	MVDC-1	Cream Vinyl Duct Connector	101	SC	55388887
16	MMP-1	Grey Mortar Patch	101	Not Collected	
17	MSCT-5	2x4 White Textured	102	SW	55388888
18			102	SW	55388889
19			103	NE	55388890
20	MC-2	White Door Caulk	Ext. W	C	55388891
21	MC-3	Brown Door	Ext. W	C	55388892
22	MC-9	Grey Seam	Ext. W	S	55388893
23	MBR-1	Black Built up Roof	Roof	W	55388894
24					
25					
26					
27					
28					
29		#16 MMP-1 Does not exist - it			
30		was Styrofoam			
31					
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