

ASBESTOS SURVEY REPORT

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

Applicant ID NCR39505
LAKEVIEW FIELD
LITTLE FERRY, NJ 07643

Applicant / Property Owner:

BOROUGH OF LITTLE FERRY
LITTLE FERRY, NJ 07643

Subject Property Address:

LAKEVIEW FIELD
LITTLE FERRY, NJ 07643

Assessment Firm:

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

Prepared For:

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

Inspector: LUIS MONROY
Certification: NY 706286

Prepared by Inspector: MICHAEL COLLINS/LUIS MONROY 10/17/2014

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Introduction

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

Applicable Laws, Regulations, Guidance and Other References

- United States Environmental Protection Agency (USEPA)
 - AHERA (40 CFR Part 763.83 Subpart E)
 - NESHAPS (40 CFR Part 61 Subpart M)
- New Jersey Department of Environmental Protection (NJDEP)
 - Generator Requirements for disposal of asbestos containing waste (N.J.A.C. 7:26-2, N.J.A.C. 7:26-3)
- New Jersey Department of Labor (NJDOL)
 - N.J.S.A. 34:11
 - N.J.A.C. 12:60
 - N.J.A.C. 12:120
- New Jersey Department of Health (NJDOH)
 - Asbestos Training and Certification Activities (N.J.A.C. 8:60)
- Occupational Safety and Health Administration (OSHA)
 - 29 CFR 1910.1001
 - 29 CFR 1915.1001

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

General Background Information or Definitions

Material Classification

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

Recognition of Homogeneous Areas

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

Differentiation of Friable vs. Non-Friable

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

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

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

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

Asbestos Content Determination

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

- i. Bulk Material by PLM- EPA 600/R-93/116
- ii. PLM- EPA 600/R-93/116 (400 point count)
- iii. PLM NOB- EPA 600/R-93/116 (400 point count) with gravimetric reduction
- iv. TEM- EPA NOB- 600/R-93/116b

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

Conclusions

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

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

Three samples tested positive for asbestos. All were from a dugout in the North East (NE) corner of Field 1 (See Unit Plan for Field 1 Dugout). There are two dugouts in the NE corner of Field 1. Damage from the storm has left 20 percent of the roof intact on the first base dugout (20 sq feet), and 60 percent of the roof intact on the third base dugout (60 sq feet). Three samples of roofing tar taken from the third base dugout tested positive for ACM. Because the first and third base dugouts are of similar construction, both should be assumed to contain ACM in their roofing material.

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

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

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

Job Site Name: LAKEVIEW PARK			Applicant ID: NCR39505		Total Samples:	
Homogenous Area*	Component	Substrate	Color	Sampled	Number of Samples	Asbestos
All suspected asbestos-containing materials were sampled						

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

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

Job Site Name: LAKEVIEW PARK				Applicant ID: NCR39505			
SAMPLE ID #	LOCATION	Homogenous Area*	Component	Substrate	Color	Asbestos	Method**
FIELD 1-13	3RD BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING TAR	BLACK	2.8% CHRYSOTILE	PLM
FIELD 1-14	3RD BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING TAR	BLACK	POSITIVE STOP	PLM
FIELD 1-15	3RD BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING TAR	BLACK	POSITIVE STOP	PLM

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

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

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

Job Site Name: LAKEVIEW PARK				Applicant ID: NCR39505			
Functional Space or Area	Homogenous Area*	Component	Substrate	Color	Amount	UOM	Sampled
All suspected asbestos-containing materials were sampled, so nothing was presumed to contain asbestos							

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

** These locations were not confirmed by sample analysis.

Table 4: Sampled Locations

Job Site Name: LAKEVIEW PARK				Applicant ID: NCR39505			
SAMPLE ID #	LOCATION	Homogenous Area*	Component	Substrate	Color	Asbestos	Method**
FIELD 1-01	1ST BASE DUGOUT EAST	HA - MISCELLANEOUS	ROOF	ROOFING MATERIAL	GRAY/BLACK	<0.25% CHRYSOTILE	PLM/TEM
FIELD 1-02 SHINGLE	1ST BASE DUGOUT WEST	HA - MISCELLANEOUS	ROOF	ROOFING SHINGLE	GRAY/BLACK	NONE DETECTED	PLM/TEM
FIELD 1-02 TAR PAPER	1ST BASE DUGOUT WEST	HA - MISCELLANEOUS	ROOF	TAR PAPER	BLACK	NONE DETECTED	PLM/TEM
FIELD 1-03 SHINGLE (TOP)	1ST BASE DUGOUT MID	HA - MISCELLANEOUS	ROOF	ROOFING SHINGLE	GRAY/BLACK	NONE DETECTED	PLM/TEM
FIELD 1-03 SHINGLE (BOTTOM)	1ST BASE DUGOUT MID	HA - MISCELLANEOUS	ROOF	ROOFING SHINGLE	GRAY/BLACK	NONE DETECTED	PLM/TEM
FIELD 1-04	1ST BASE DUGOUT EAST	HA - MISCELLANEOUS	ROOF	ROOFING TAR	BLACK	NONE DETECTED	PLM/TEM
FIELD 1-05	1ST BASE DUGOUT WEST	HA - MISCELLANEOUS	ROOF	ROOFING TAR	BLACK	NONE DETECTED	PLM/TEM
FIELD 1-06	1ST BASE DUGOUT MID	HA - MISCELLANEOUS	ROOF	ROOFING TAR	BLACK	NONE DETECTED	PLM/TEM
FIELD 1-07	1ST BASE DUGOUT FLOOR	HA - MISCELLANEOUS	FLOOR	CONCRETE SLAB	GRAY	NONE DETECTED	PLM
FIELD 1-08	1ST BASE DUGOUT FLOOR	HA - MISCELLANEOUS	FLOOR	CONCRETE SLAB	GRAY	NONE DETECTED	PLM
FIELD 1-09	1ST BASE DUGOUT FLOOR	HA - MISCELLANEOUS	FLOOR	CONCRETE SLAB	GRAY	NONE DETECTED	PLM
FIELD 1-10	3RD BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING MATERIAL	GRAY/BLACK	0.4% CHRYSOTILE	PLM
						0.58% CHRYSOTILE	TEM
FIELD 1-11	3RD BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING MATERIAL	GRAY/BLACK	0.3% CHRYSOTILE	PLM
						0.69% CHRYSOTILE	TEM
FIELD 1-12	3RD BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING MATERIAL	BLACK/PEACH	NONE	PLM/TEM
FIELD 1-13	3RD BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING TAR	BLACK	2.8% CHRYSOTILE	PLM
FIELD 1-14	3RD BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING TAR	BLACK	POSITIVE STOP	PLM

FIELD 1-15	3RD BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING TAR	BLACK	POSITIVE STOP	PLM
FIELD 1-16	3RD BASE DUGOUT FLOOR	HA - MISCELLANEOUS	FLOOR	CONCRETE SLAB	GRAY	NONE DETECTED	PLM
FIELD 1-17	3RD BASE DUGOUT FLOOR	HA - MISCELLANEOUS	FLOOR	CONCRETE SLAB	GRAY	NONE DETECTED	PLM
FIELD 1-18	3RD BASE DUGOUT FLOOR	HA - MISCELLANEOUS	FLOOR	CONCRETE SLAB	GRAY	NONE DETECTED	PLM
FIELD 3-19 SHINGLE	1ST BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING SHINGLE	GRAY/BLACK	NONE DETECTED	PLM/TEM
FIELD 3-19 FELT	1ST BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING FELT	BLACK	NONE DETECTED	PLM/TEM
FIELD 3-20 SHINGLE	1ST BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING SHINGLE	GRAY/BLACK	NONE DETECTED	PLM/TEM
FIELD 3-20 FELT	1ST BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING FELT	BLACK	NONE DETECTED	PLM/TEM
FIELD 3-21 SHINGLE	1ST BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING SHINGLE	GRAY/BLACK	NONE DETECTED	PLM/TEM
FIELD 3-21 FELT	1ST BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING FELT	BLACK	NONE DETECTED	PLM/TEM
FIELD 3-22	1ST BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING TAR	BLACK	NONE DETECTED	PLM/TEM
FIELD 3-23	1ST BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING TAR	BLACK	NONE DETECTED	PLM/TEM
FIELD 3-24	1ST BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING TAR	BLACK	NONE DETECTED	PLM/TEM
FIELD 3-25	1ST BASE DUGOUT FLOOR	HA - MISCELLANEOUS	FLOOR	CONCRETE	GRAY	NONE DETECTED	PLM
FIELD 3-26	1ST BASE DUGOUT FLOOR	HA - MISCELLANEOUS	FLOOR	CONCRETE	GRAY	NONE DETECTED	PLM
FIELD 3-27	1ST BASE DUGOUT FLOOR	HA - MISCELLANEOUS	FLOOR	CONCRETE	GRAY	NONE DETECTED	PLM
FIELD 3-28 SHINGLE	3RD BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING SHINGLE	GRAY/BLACK	NONE DETECTED	PLM/TEM
FIELD 3-28 FELT	3RD BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING FELT	BLACK	NONE DETECTED	PLM/TEM

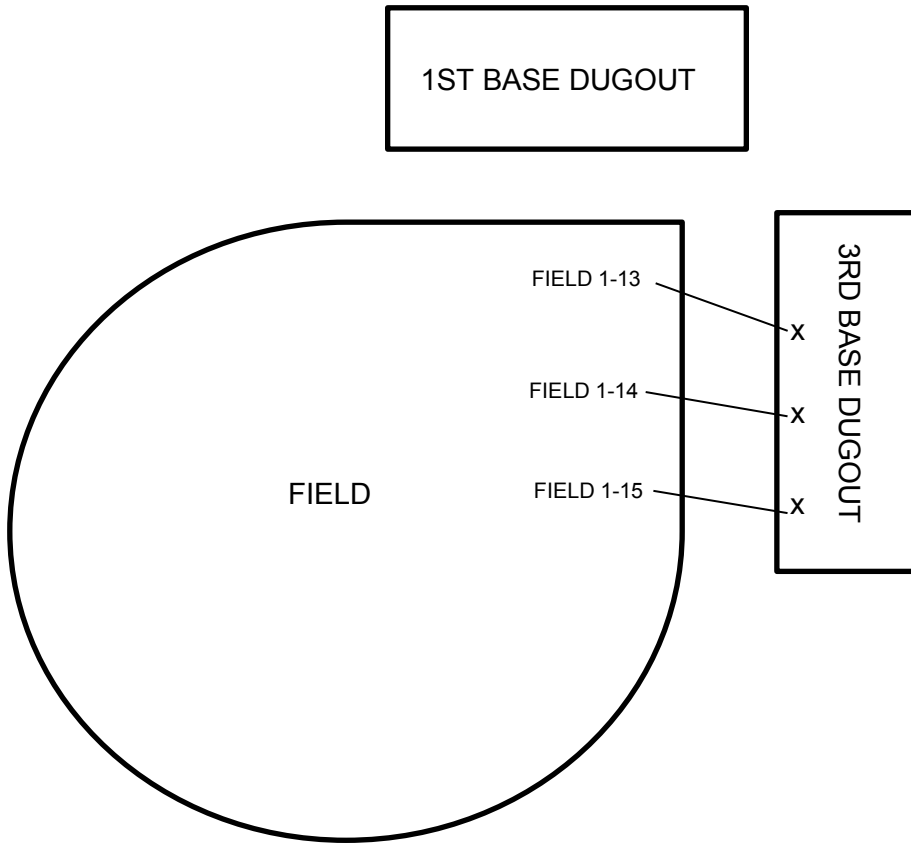
FIELD 3-29 SHINGLE	3RD BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING SHINGLE	GRAY/BLACK	NONE DETECTED	PLM/TEM
FIELD 3-29 FELT	3RD BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING FELT	BLACK	NONE DETECTED	PLM/TEM
FIELD 3-30 SHINGLE	3RD BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING SHINGLE	GRAY/BLACK	NONE DETECTED	PLM/TEM
FIELD 3-30 FELT	3RD BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING FELT	BLACK	NONE DETECTED	PLM/TEM
FIELD 3-31	3RD BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING TAR	BLACK	NONE DETECTED	PLM/TEM
FIELD 3-32	3RD BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING TAR	BLACK	NONE DETECTED	PLM/TEM
FIELD 3-33	3RD BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING TAR	BLACK	NONE DETECTED	PLM/TEM
FIELD 3-34	3RD BASE DUGOUT FLOOR	HA - MISCELLANEOUS	FLOOR	CONCRETE	GRAY	NONE DETECTED	PLM
FIELD 3-35	3RD BASE DUGOUT FLOOR	HA - MISCELLANEOUS	FLOOR	CONCRETE	GRAY	NONE DETECTED	PLM
FIELD 3-36	3RD BASE DUGOUT FLOOR	HA - MISCELLANEOUS	FLOOR	CONCRETE	GRAY	NONE DETECTED	PLM
FIELD 4-37	1ST BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING MATERIAL	GRAY/BLACK	NONE DETECTED	PLM/TEM
FIELD 4-38 SHINGLE	1ST BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING SHINGLE	GRAY/BLACK	NONE DETECTED	PLM/TEM
FIELD 4-38 FELT	1ST BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING FELT	BLACK	NONE DETECTED	PLM/TEM
FIELD 4-39	1ST BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING MATERIAL	GRAY/BLACK	NONE DETECTED	PLM/TEM
FIELD 4-40	1ST BASE DUGOUT FLOOR	HA - MISCELLANEOUS	FLOOR	CONCRETE	GRAY	NONE DETECTED	PLM
FIELD 4-41	1ST BASE DUGOUT FLOOR	HA - MISCELLANEOUS	FLOOR	CONCRETE	GRAY	NONE DETECTED	PLM
FIELD 4-42	1ST BASE DUGOUT FLOOR	HA - MISCELLANEOUS	FLOOR	CONCRETE	GRAY	NONE DETECTED	PLM
FIELD 4-43	3RD BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING MATERIAL	BLACK	NONE DETECTED	PLM/TEM

FIELD 4-44	3RD BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING MATERIAL	BLACK	NONE DETECTED	PLM/TEM
FIELD 4-45	3RD BASE DUGOUT ROOF	HA - MISCELLANEOUS	ROOF	ROOFING MATERIAL	BLACK	NONE DETECTED	PLM/TEM
FIELD 4-46	3RD BASE DUGOUT FLOOR	HA - MISCELLANEOUS	FLOOR	CONCRETE	GRAY	NONE DETECTED	PLM
FIELD 4-47	3RD BASE DUGOUT FLOOR	HA - MISCELLANEOUS	FLOOR	CONCRETE	GRAY	NONE DETECTED	PLM
FIELD 4-48	3RD BASE DUGOUT FLOOR	HA - MISCELLANEOUS	FLOOR	CONCRETE	GRAY	NONE DETECTED	PLM

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

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

Unit Plan (field 1 dugout)



Field Log Notes / Special Conditions

Area	Notes

Assumptions and Limitations

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

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

Certifications

ASBESTOS INSPECTOR SUMMARY

Assessor Name (Last, First)	Training State	Certification Number	Certification Expiration Date
<u>LUIS MONROY</u>	<u>NY</u>	<u>706286</u>	<u>08/06/2015</u>



Big Apple Occupational Safety Corp

505 Eighth Avenue, #2305, New York, NY 10018
(212) 564-7656

This Is To Certify That

Luis Monroy

SS#: XXX-XX-XXXX

has successfully completed the New York State Department of Health approved course entitled
This course meets requirements of TSCA Title II

Asbestos Inspector

*(The official record of successful completion is the DOH 2832 Certificate of completion
New York State Department of Health Certificate of Asbestos Safety Training)*

Course Date: 08/04/2014 - 08/06/2014

Expiration Date: 08/06/2015

Certificate Number: 706286

Examination Date: 08/06/2014

Examination Grade: 92.1


Ratha Reddy
Training Director

Laboratory Documentation



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

041429314

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

Company: <u>URS Corp</u>		EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: <u>1255 Broad St.</u>		Third Party Billing requires written authorization from third party	
City: <u>CLIFTON</u>	State/Province: <u>NJ</u>	Zip/Postal Code: <u>07013</u>	Country: <u>USA</u>
Report To (Name): <u>BHARTI UJJANI</u>		Telephone #: <u>973-883-8691</u>	
Email Address: <u>BHARTI.UJJANI@URS.COM</u>		Fax #:	Purchase Order:
Project Name/Number: <u>BHARTI UJJANI</u>		Please Provide Results: <input type="checkbox"/> Fax <input type="checkbox"/> Email	
U.S. State Samples Taken:		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

Turnaround Time (TAT) Options* - Please Check

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

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

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

Check For Positive Stop - Clearly Identify Homogenous Group Date Sampled: 10/3/2014

Samplers Name: Lou Monroy Samplers Signature: [Signature]

Sample #	HA #	Sample Location	Material Description	
<u>F# 1-01</u>		<u>1st BASE Dugout - EAST</u>	<u>ROOFING MATERIAL</u>	
<u>1-02</u>		<u>" WEST</u>	RECEIVED EMSL CINNAMINSON, NJ OCT - 5 AM 9:48	
<u>1-03</u>		<u>" MID</u>		
<u>1-04</u>		<u>1st BASE Dugout - EAST</u>		<u>ROOFING TAR</u>
<u>1-05</u>		<u>" WEST</u>		
<u>1-06</u>		<u>" MID</u>		
<u>1-07</u>		<u>1st BASE Dugout - FLOOR</u>		<u>CONCRETE SLAB</u>
<u>1-08</u>		<u>"</u>		
<u>1-09</u>		<u>"</u>		
<u>#</u>				

Client Sample # (s):	-	Total # of Samples:	<u>48</u>
Relinquished (Client):	<u>Luis Monroy</u>	Date:	<u>10/3/2014</u>
Received (Lab):	<u>[Signature]</u>	Date:	<u>10-6-2014</u>
Comments/Special Instructions:			



**Asbestos Bulk Building Material
Chain of Custody**

EMSL Order Number (Lab Use Only):

041429314

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

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

Sample #	HA #	Sample Location	Material Description
Field #1 -10		3RD BASE Dugout - ROOF	ROOFING MATERIAL
1-11			}
1-12			
1-13		3RD BASE Dugout - ROOF	ROOFING TAR
1-14			}
1-15			
1-16		3RD BASE Dugout - FLOOR	CONCRETE SLAB
1-17			}
1-18			
Field #3 3-19		1ST BASE Dugout - ROOF	ROOFING MATERIAL
3-20			}
3-21			
3-22		1ST BASE Dugout - ROOF	ROOFING TAR
3-23			}
3-24			
3-25		1ST BASE Dugout - FLOOR	CONCRETE
3-26			}
3-27			
Field #3 3-28		3RD BASE - Dugout - ROOF	ROOFING MATERIAL
3-29			}
3-30			
3-31		3RD BASE - Dugout - ROOF	ROOFING TAR
3-32			}
3-33			

RECEIVED
EMSL
CINNAMINSON, NJ
14 OCT - 6 AM 9:46

*Comments/Special Instructions:



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 / (856) 786-5974
<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order ID: 041429314
Customer ID: DAME50
Customer PO:
Project ID:

Attn: Bharti Ujjani Phone: (973) 785-0700
URS Corporation Fax: (973) 785-0023
1255 Broad Street Collected: 10/3/2014
Clifton, NJ 07013 Received: 10/06/2014
 Analyzed: 10/16/2014

Proj: Bharti Ujjani

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

Client Sample ID: Field1-01 **Lab Sample ID:** 041429314-0001

Sample Description: 1st base dugout-east/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
400 PLM PtCt Grav. Red.	10/13/2014	Gray/Black	0.0%	100%	<0.25% Chrysotile	
TEM Grav. Reduction	10/16/2014	Gray/Black	0.0%	100%	None Detected	

Client Sample ID: Field1-02-Shingle **Lab Sample ID:** 041429314-0002

Sample Description: 1st base dugout-west/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Gray/Black	0.0%	100%	None Detected	
TEM Grav. Reduction	10/16/2014	Gray/Black	0.0%	100%	None Detected	

Client Sample ID: Field1-02-Tar Paper **Lab Sample ID:** 041429314-0002A

Sample Description: 1st base dugout-west/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Black	19.5%	80.5%	None Detected	
TEM Grav. Reduction	10/16/2014	Black	0.0%	100%	None Detected	

Client Sample ID: Field1-03-Shingle (top) **Lab Sample ID:** 041429314-0003

Sample Description: 1st base dugout-mid/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Gray/Black	4.5%	95.5%	None Detected	
TEM Grav. Reduction	10/16/2014	Gray/Black	0.0%	100%	None Detected	

Client Sample ID: Field1-03-Shingle (bottom) **Lab Sample ID:** 041429314-0003A

Sample Description: 1st base dugout-mid/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Gray/Black	7.4%	92.6%	None Detected	
TEM Grav. Reduction	10/16/2014	Gray/Black	0.0%	100%	None Detected	

Client Sample ID: Field1-04 **Lab Sample ID:** 041429314-0004

Sample Description: 1st base dugout-east/Roofing tar

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Black	0.0%	100%	None Detected	
TEM Grav. Reduction	10/16/2014	Black	0.0%	100%	None Detected	



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

Client Sample ID: Field1-05 **Lab Sample ID:** 041429314-0005
Sample Description: 1st base dugout-west/Roofing tar

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Black	0.0%	100%	None Detected	
TEM Grav. Reduction	10/16/2014	Black	0.0%	100%	None Detected	

Client Sample ID: Field1-06 **Lab Sample ID:** 041429314-0006
Sample Description: 1st base dugout-mid/Roofing tar

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Black	0.0%	100%	None Detected	
TEM Grav. Reduction	10/16/2014	Black	3.6%	96.4%	None Detected	

Client Sample ID: Field1-07 **Lab Sample ID:** 041429314-0007
Sample Description: 1st base dugout-floor/Concrete slab

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/13/2014	Gray	0%	100%	None Detected	

Client Sample ID: Field1-08 **Lab Sample ID:** 041429314-0008
Sample Description: 1st base dugout-floor/Concrete slab

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/13/2014	Gray	0%	100%	None Detected	

Client Sample ID: Field1-09 **Lab Sample ID:** 041429314-0009
Sample Description: 1st base dugout-floor/Concrete slab

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/13/2014	Gray	0%	100%	None Detected	

Client Sample ID: Field1-10 **Lab Sample ID:** 041429314-0010
Sample Description: 3rd base dugout-roof/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
400 PLM PtCt Grav. Red.	10/13/2014	Gray/Black	0.0%	99.6%	0.4% Chrysotile	
TEM Grav. Reduction	10/16/2014	Gray/Black	0.0%	99.4%	0.58% Chrysotile	

Client Sample ID: Field1-11 **Lab Sample ID:** 041429314-0011
Sample Description: 3rd base dugout-roof/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
400 PLM PtCt Grav. Red.	10/13/2014	Gray/Black	0.0%	99.7%	0.3% Chrysotile	
TEM Grav. Reduction	10/16/2014	Gray/Black	0.0%	99.3%	0.69% Chrysotile	



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

Client Sample ID: Field1-12 **Lab Sample ID:** 041429314-0012
Sample Description: 3rd base dugout-roof/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Black/Peach	6.6%	93.4%	None Detected	sample group not homogeneous
TEM Grav. Reduction	10/16/2014	Black/Peach	0.0%	100%	None Detected	

Client Sample ID: Field1-13 **Lab Sample ID:** 041429314-0013
Sample Description: 3rd base dugout-roof/Roofing tar

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
400 PLM PtCt Grav. Red.	10/13/2014	Black	0.0%	97.2%	2.8% Chrysotile	

Client Sample ID: Field1-14 **Lab Sample ID:** 041429314-0014
Sample Description: 3rd base dugout-roof/Roofing tar

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014					Positive Stop (Not Analyzed)

Client Sample ID: Field1-15 **Lab Sample ID:** 041429314-0015
Sample Description: 3rd base dugout-roof/Roofing tar

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014					Positive Stop (Not Analyzed)

Client Sample ID: Field1-16 **Lab Sample ID:** 041429314-0016
Sample Description: 3rd base dugout-floor/Concrete slab

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/13/2014	Gray	0%	100%	None Detected	

Client Sample ID: Field1-17 **Lab Sample ID:** 041429314-0017
Sample Description: 3rd base dugout-floor/Concrete slab

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/13/2014	Gray	0%	100%	None Detected	

Client Sample ID: Field1-18 **Lab Sample ID:** 041429314-0018
Sample Description: 3rd base dugout-floor/Concrete slab

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/13/2014	Gray	0%	100%	None Detected	

Client Sample ID: Field3-19-Shingle **Lab Sample ID:** 041429314-0019
Sample Description: 1st base dugout-roof/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Gray/Black	0.0%	100%	None Detected	
TEM Grav. Reduction	10/16/2014	Gray/Black	0.0%	100%	None Detected	



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

Client Sample ID: Field3-19-Felt **Lab Sample ID:** 041429314-0019A
Sample Description: 1st base dugout-roof/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Black	15.8%	84.2%	None Detected	
TEM Grav. Reduction	10/16/2014	Black	0.0%	100%	None Detected	

Client Sample ID: Field3-20-Shingle **Lab Sample ID:** 041429314-0020
Sample Description: 1st base dugout-roof/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Gray/Black	0.0%	100%	None Detected	
TEM Grav. Reduction	10/16/2014	Gray/Black	0.0%	100%	None Detected	

Client Sample ID: Field3-20-Felt **Lab Sample ID:** 041429314-0020A
Sample Description: 1st base dugout-roof/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Black	17.0%	83.0%	None Detected	
TEM Grav. Reduction	10/16/2014	Black	0.0%	100%	None Detected	

Client Sample ID: Field3-21-Shingle **Lab Sample ID:** 041429314-0021
Sample Description: 1st base dugout-roof/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Gray/Black	6.9%	93.1%	None Detected	
TEM Grav. Reduction	10/16/2014	Gray/Black	0.0%	100%	None Detected	

Client Sample ID: Field3-21-Felt **Lab Sample ID:** 041429314-0021A
Sample Description: 1st base dugout-roof/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Black	2.6%	97.4%	None Detected	
TEM Grav. Reduction	10/16/2014	Black	0.0%	100%	None Detected	

Client Sample ID: Field3-22 **Lab Sample ID:** 041429314-0022
Sample Description: 1st base dugout-roof/Roofing tar

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Black	0.0%	100%	None Detected	
TEM Grav. Reduction	10/16/2014	Black	1.7%	98.3%	None Detected	

Client Sample ID: Field3-23 **Lab Sample ID:** 041429314-0023
Sample Description: 1st base dugout-roof/Roofing tar

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Black	0.0%	100%	None Detected	
TEM Grav. Reduction	10/16/2014	Black	2.3%	97.7%	None Detected	



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

Client Sample ID: Field3-24 **Lab Sample ID:** 041429314-0024
Sample Description: 1st base dugout-roof/Roofing tar

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Black	0.0%	100%	None Detected	
TEM Grav. Reduction	10/16/2014	Black	2.8%	97.2%	None Detected	

Client Sample ID: Field3-25 **Lab Sample ID:** 041429314-0025
Sample Description: 1st base dugout-floor/Concrete

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/13/2014	Gray	0%	100%	None Detected	

Client Sample ID: Field3-26 **Lab Sample ID:** 041429314-0026
Sample Description: 1st base dugout-floor/Concrete

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/13/2014	Gray	0%	100%	None Detected	

Client Sample ID: Field3-27 **Lab Sample ID:** 041429314-0027
Sample Description: 1st base dugout-floor/Concrete

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/13/2014	Gray	0%	100%	None Detected	

Client Sample ID: Field3-28-Shingle **Lab Sample ID:** 041429314-0028
Sample Description: 3rd base dugout-roof/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Gray/Black	1.4%	98.6%	None Detected	
TEM Grav. Reduction	10/16/2014	Gray/Black	0.0%	100%	None Detected	

Client Sample ID: Field3-28-Felt **Lab Sample ID:** 041429314-0028A
Sample Description: 3rd base dugout-roof/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Black	13.9%	86.1%	None Detected	
TEM Grav. Reduction	10/16/2014	Black	0.0%	100%	None Detected	

Client Sample ID: Field3-29-Shingle **Lab Sample ID:** 041429314-0029
Sample Description: 3rd base dugout-roof/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Gray/Black	2.1%	97.9%	None Detected	
TEM Grav. Reduction	10/16/2014	Gray/Black	0.0%	100%	None Detected	



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Client Sample ID: Field3-29-Felt **Lab Sample ID:** 041429314-0029A
Sample Description: 3rd base dugout-roof/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Black	15.2%	84.8%	None Detected	
TEM Grav. Reduction	10/16/2014	Black	0.0%	100%	None Detected	

Client Sample ID: Field3-30-Shingle **Lab Sample ID:** 041429314-0030
Sample Description: 3rd base dugout-roof/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Gray/Black	6.4%	93.6%	None Detected	
TEM Grav. Reduction	10/16/2014	Gray/Black	0.0%	100%	None Detected	

Client Sample ID: Field3-30-Felt **Lab Sample ID:** 041429314-0030A
Sample Description: 3rd base dugout-roof/Roofing material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Black	3.1%	96.9%	None Detected	
TEM Grav. Reduction	10/16/2014	Black	0.0%	100%	None Detected	

Client Sample ID: Field3-31 **Lab Sample ID:** 041429314-0031
Sample Description: 3rd base dugout-roof/Roofing tar

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Black	0.0%	100%	None Detected	
TEM Grav. Reduction	10/16/2014	Black	2.7%	97.3%	None Detected	

Client Sample ID: Field3-32 **Lab Sample ID:** 041429314-0032
Sample Description: 3rd base dugout-roof/Roofing tar

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Black	0.0%	100%	None Detected	
TEM Grav. Reduction	10/16/2014	Black	2.7%	97.3%	None Detected	

Client Sample ID: Field3-33 **Lab Sample ID:** 041429314-0033
Sample Description: 3rd base dugout-roof/Roofing tar

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Black	0.0%	100%	None Detected	
TEM Grav. Reduction	10/16/2014	Black	3.5%	96.5%	None Detected	

Client Sample ID: Field3-34 **Lab Sample ID:** 041429314-0034
Sample Description: 3rd base dugout floor/Concrete

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/13/2014	Gray	0%	100%	None Detected	



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Client Sample ID: Field3-35 **Lab Sample ID:** 041429314-0035
Sample Description: 3rd base dugout floor/Concrete

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/13/2014	Gray	0%	100%	None Detected	

Client Sample ID: Field3-36 **Lab Sample ID:** 041429314-0036
Sample Description: 3rd base dugout floor/Concrete

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/13/2014	Gray	0%	100%	None Detected	

Client Sample ID: Field4-37 **Lab Sample ID:** 041429314-0037
Sample Description: 1st base dugout-roof/Roof material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Gray/Black	4.5%	95.5%	None Detected	
TEM Grav. Reduction	10/16/2014	Gray/Black	4.5%	95.5%	None Detected	

Client Sample ID: Field4-38-Shingle **Lab Sample ID:** 041429314-0038
Sample Description: 1st base dugout-roof/Roof material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Gray/Black	5.8%	94.2%	None Detected	
TEM Grav. Reduction	10/16/2014	Gray/Black	0.0%	100%	None Detected	

Client Sample ID: Field4-38-Felt **Lab Sample ID:** 041429314-0038A
Sample Description: 1st base dugout-roof/Roof material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Black	14.5%	85.5%	None Detected	
TEM Grav. Reduction	10/16/2014	Black	0.0%	100%	None Detected	

Client Sample ID: Field4-39 **Lab Sample ID:** 041429314-0039
Sample Description: 1st base dugout-roof/Roof material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Gray/Black	8.0%	92.0%	None Detected	
TEM Grav. Reduction	10/16/2014	Gray/Black	0.0%	100%	None Detected	

Client Sample ID: Field4-40 **Lab Sample ID:** 041429314-0040
Sample Description: 1st base dugout-floor/Concrete

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/13/2014	Gray	0%	100%	None Detected	



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Client Sample ID: Field4-41 **Lab Sample ID:** 041429314-0041
Sample Description: 1st base dugout-floor/Concrete

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/13/2014	Gray	0%	100%	None Detected	

Client Sample ID: Field4-42 **Lab Sample ID:** 041429314-0042
Sample Description: 1st base dugout-floor/Concrete

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/13/2014	Gray	0%	100%	None Detected	

Client Sample ID: Field4-43 **Lab Sample ID:** 041429314-0043
Sample Description: 3rd base dugout-roof/Roof material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Black	22.3%	77.7%	None Detected	
TEM Grav. Reduction	10/16/2014	Black	0.0%	100%	None Detected	

Client Sample ID: Field4-44 **Lab Sample ID:** 041429314-0044
Sample Description: 3rd base dugout-roof/Roof material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Black	20.8%	79.2%	None Detected	
TEM Grav. Reduction	10/16/2014	Black	0.0%	100%	None Detected	

Client Sample ID: Field4-45 **Lab Sample ID:** 041429314-0045
Sample Description: 3rd base dugout-roof/Roof material

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/13/2014	Black	10.1%	89.9%	None Detected	
TEM Grav. Reduction	10/16/2014	Black	0.0%	100%	None Detected	

Client Sample ID: Field4-46 **Lab Sample ID:** 041429314-0046
Sample Description: 3rd base dugout-floor/Concrete

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/13/2014	Gray	0%	100%	None Detected	

Client Sample ID: Field4-47 **Lab Sample ID:** 041429314-0047
Sample Description: 3rd base dugout-floor/Concrete

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/13/2014	Gray	0%	100%	None Detected	

Client Sample ID: Field4-48 **Lab Sample ID:** 041429314-0048
Sample Description: 3rd base dugout-floor/Concrete

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/13/2014	Gray	0%	100%	None Detected	



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Analyst(s):

Danielle Lenoir	PLM (6) PLM Grav. Reduction (12)
Patrick Carr	PLM (12) 400 PLM PtCt Grav. Red (4) PLM Grav. Reduction (21)
Ted Young	TEM Grav. Reduction (36)

Reviewed and approved by:

Stephen Siegel, CIH, Laboratory Manager
or Other Approved Signatory

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

Initial report from: 10/13/2014 15:25:37