



CLEARANCE LETTER

September 24, 2014

Mr. Christopher Mann
 ACB Consulting Services
 292 Lafayette Street
 Newark, NJ 07102

**Re: CLEARANCE LETTER
 ASBESTOS-CONTAINING MATERIAL REMOVAL
 71 LUDLOW STREET
 NEWARK, NEW JERSEY
 MATRIX NO. 12-243E-08**

Dear Mr. Mann:

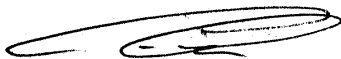
Please be advised that asbestos abatement work associated with the Newark Housing Authority (NHA) former Reverend Otto E. Kretchner Homes Assembly Hall facility located at 71 Ludlow Street, Newark, NJ was completed from August 20, 2014 through September 24, 2014, in accordance with the procedures approved by the New Jersey Department of Labor (N.J.A.C. 12:120), the U.S. Environmental Protection Agency (USEPA) (40 CFR 763), and all applicable variances. The following is a table indicating materials, locations and approximate quantities of material removed:

Location	Material Removed	Quantity	Procedure Used
Exterior Elevations	Exterior Door and Window Frame Caulk	705 LF	Exterior Non-Friable
Chimney Stack	(white) Expansion Joint/Expansion Joint Caulk	1 LF	Exterior Non-Friable
Roof Areas	Pitch Pocket Material	2 SF	Exterior Non-Friable
	Base Flashing	746 SF	
	Base Flashing Tar	475 SF	
	Vent Flashing/Tar	17 SF (6 units)	
Parapet	Coping Stone Seam Caulk	774 LF	
Gymnasium Office	Glue Backing to 4" (black) Cove Base Molding	160 LF	Interior Non-Friable
Pipe/Pipe Fitting Insulation	Boiler Room/Lower Floors (throughout)	70 LF (+/-)	Full Containment (variance for no ceiling, wall & floor poly)
Pipe/Pipe Fitting Debris	Boiler Room/Lower Floors (throughout)	400 SF	Under Negative Pressure
Boiler & Breaching Insulation	Boiler Room	870 SF	Full Containment (variance for no ceiling, wall & floor poly)
Tank Insulation	Boiler Room	62 SF	Full Containment (variance for no ceiling, wall & floor poly)
Electrical Bolt Pads	Electrical Room	4 Units	Intact Removal
Electrical Panel Door Insulation	Electrical Room	15 SF	Intact Removal
1 st Floor (throughout)	Vinyl Floor Tile & Mastic (multiple layers)	2,750 SF	Interior Non-Friable

The abatement was performed by Apex Development Incorporated and clearance air testing was conducted by a Matrix New World Engineering, Inc. (Matrix) Project Monitor inside and outside the interior “large” work areas (floor tile and thermal system insulation removals) in accordance with the approved procedures, indicating airborne fiber levels below 0.01 f/cc and 70 S/mm². Please note: in accordance with the project specifications as well as New Jersey Administrative Code Title 12, Chapter 120 (N.J.A.C. 12:120); exterior non-friable removal is not subject to the final air clearance criteria. During abatement (representative) air samples were collected by Matrix in order to document the work was being performed in a manner that was consistent with exterior “non-friable”, and that there was no detectable fiber release during removal.

A visual inspection of the abated areas was conducted upon completion of the removal. Based upon the results of the during abatement air samples, post removal visual inspection and (as applicable) final clearance air testing, the area(s) listed above may be released for re-occupancy/demolition. If you have any questions, please call me at 973-585-9040.

Sincerely,



Gavin Gilmore - Project Manager

Attachment: (During Abatement) EMSL Lab Reports #051403805, #051404121, #051404120, #051404119, #051404225, #031435223 & #031436198;
(Clearance) EMSL Lab Reports #051404226 & #051404375

ATTACHMENTS

**EMSL Analytical, Inc.**

1056 Stelton Road, Piscataway, NJ 08854

Phone/Fax: (732) 981-0550 / (732) 981-0551

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

EMSL Order: 051403805

CustomerID: MATX53

CustomerPO:

ProjectID:

Attn: **Gavin Gilmore**
Matrix New World Engineering
26 Columbia Turnpike
Florham Park, NJ 07932

Phone: (973) 240-1800
 Fax: (973) 240-1818
 Received: 08/20/14 4:30 PM
 Analysis Date: 8/21/2014
 Collected: 8/20/2014

Project: 12-243-08 / 71 Ludlow Ave, Newark, NJ

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94*

Sample	Location	Sample Date	Volume		Fields	LOD (fib/cc)	Fibers/ mm ²	Fibers/ cc	Notes
			(liters)	Fibers					
82014-01 051403805-0001	At Remote Decon	8/20/2014	1720.00	<5.5	100	0.002	<7.01	<0.002	
82014-02 051403805-0002	At Ladder/Stairs to Roof	8/20/2014	1720.00	<5.5	100	0.002	<7.01	<0.002	
82014-03 051403805-0003	Middle Roof	8/20/2014	1720.00	<5.5	100	0.002	<7.01	<0.002	
82014-04 051403805-0004	Field Blank	8/20/2014		<5.5	100		<7.01		Field Blank
82014-05 051403805-0005	Field Blank	8/20/2014		<5.5	100		<7.01		Field Blank

The results reported have been blank corrected as applicable.

Analyst(s)

Nicholas Maslowski (5)

Chaiyut Sae Lao, Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.34, 21-50 fibers = 0.26, 51-100 fibers = 0.19. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by EMSL. The test results contained within this report meet the requirements of NELAP unless otherwise noted. Results have been blank corrected as applicable. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Piscataway, NJ NYS ELAP 11423, NJ NELAC 12037

Initial report from 08/21/2014 15:12:50



EMSL ANALYTICAL, INC.
LABORATORY-PRODUCTS-TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

051403805

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

Company: Matrix New World		EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 26 Columbia Turnpike		Third Party Billing requires written authorization from third party	
City: Florham Park	State/Province: NJ	Zip/Postal Code: 07932	Country: USA
Report To (Name): Gavin Gilmore		Telephone #: 973-240-1800	
Email Address: ggilmore@matrixnewworld.com		Fax #: 973-240-1818	Purchase Order:
Project Name/Number:		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail	
U.S. State Samples Taken: NJ		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	

Turnaround Time (TAT) Options* - Please Check

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

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

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

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

Samplers Name: Matt Sheldon Samplers Signature: Matthew Sheldon

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	See Attached		

Client Sample # (s): 082014-01 - 82014-05 Total # of Samples: 5

Relinquished (Client): Matt Sheldon Date: 8/10/14 Time: 1630

Received (Lab): Date: Time: **RECEIVED**

Comments/Special Instructions: AUG 20 2014 4:30PM

BY A. Zepher W.I
EMSL PISCATAWAY

051403805

AIR SAMPLE DATA / CHAIN OF CUSTODY RECORD

Matrix New World Engineering
120 Eagle Rock Avenue,
East Hanover, N.J. 07936
Phone: 973-240-1800
Fax: 973-240-1818

Rotometer No.: MTX-5
Date of Last Calibration: 3/2/14
Flow Rate Method: Primary or Secondary

Phase: During Abatement

Project Name: Site Location: 71 Ludlow Ave. Newark, NJ Sampled By: Matt Sheldon Date: 8/20/14	Turnaround Time:		Analysis Requested: Asbestos PCM TEM Lead Mold	Project Manager: G. Gilmore			
	<input type="checkbox"/> Immediate <input type="checkbox"/> 6 HRS <input type="checkbox"/> 12 HRS <input checked="" type="checkbox"/> 24 HRS <input type="checkbox"/> 48 HRS <input type="checkbox"/> 72 HRS <input type="checkbox"/> Other						
	Initial / Final Flow Rate (LPM)	Ave Flow Rate (LPM)			Total Time (Minutes)	Total Volume (Liters)	fibers/field
82014-01	8.00 / 8.00	8.00	215	1,720			
82014-02	8.00 / 8.00	8.00	215	1,720			
82014-03	8.00 / 8.00	8.00	215	1,720			
82014-04	8.00 / 8.00	X	X	X			
82014-05	8.00 / 8.00	X	X	X			
							RECEIVED
							AUG 20 2014
				BY	EMSL PISCATAWAY		

Received By:

Date:

Time:

Analyst: Matt Sheldon

Date: 8/20/14

Time: 1630

**EMSL Analytical, Inc.**

1056 Stelton Road, Piscataway, NJ 08854

Phone/Fax: (732) 981-0550 / (732) 981-0551

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

EMSL Order: 051404121

CustomerID: MATX53

CustomerPO:

ProjectID:

Attn: **Gavin Gilmore**
Matrix New World Engineering
26 Columbia Turnpike
Florham Park, NJ 07932

Phone: (973) 240-1800
 Fax: (973) 240-1818
 Received: 09/08/14 4:40 PM
 Analysis Date: 9/9/2014
 Collected: 9/6/2014

Project: 12-243-08 / 71 Ludlow Ave, Newark, NJ

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94*

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD (fib/cc)	Fibers/mm ²	Fibers/cc	Notes
0906-01 051404121-0001	Critical Barrier, S. Boiler Room Window	9/6/2014	1092.00	<5.5	100	0.002	<7.01	<0.002	
0906-02 051404121-0002	Exhaust, S, Boiler Room Window	9/6/2014	1092.00	<5.5	100	0.002	<7.01	<0.002	
0906-03 051404121-0003	Decon, First Floor Hallway	9/6/2014	1086.00	<5.5	100	0.002	<7.01	<0.002	
0906-04 051404121-0004	Work Route, Below Stairs	9/6/2014	1074.00	<5.5	100	0.003	<7.01	<0.003	
0906-05 051404121-0005	Critical Barrier, S. Boiler Room Window	9/6/2014	720.00	<5.5	100	0.004	<7.01	<0.004	
0906-06 051404121-0006	Exhaust, S, Boiler Room Window	9/6/2014	720.00	<5.5	100	0.004	<7.01	<0.004	
0906-07 051404121-0007	Decon, First Floor Hallway	9/6/2014	720.00	<5.5	100	0.004	<7.01	<0.004	
0906-08 051404121-0008	Work Route, Below Stairs	9/6/2014	720.00	<5.5	100	0.004	<7.01	<0.004	
0906-FB1 051404121-0009	Field Blank	9/6/2014		<5.5	100		<7.01		Field Blank
0906-FB2 051404121-0010	Field Blank	9/6/2014		<5.5	100		<7.01		Field Blank

Analyst(s)

Susan Pollack (10)

Chaiyut Sae Lao, Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.34, 21-50 fibers = 0.26, 51-100 fibers = 0.19. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by EMSL. The test results contained within this report meet the requirements of NELAP unless otherwise noted. Results have been blank corrected as applicable. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Piscataway, NJ NYS ELAP 11423, NJ NELAC 12037

Initial report from 09/09/2014 11:23:15



EMSL Analytical, Inc.

1056 Stelton Road, Piscataway, NJ 08854

Phone/Fax: (732) 981-0550 / (732) 981-0551

<http://www.EMSL.com>

piscatawaylab@emsl.com

EMSL Order:	051404121
CustomerID:	MATX53
CustomerPO:	
ProjectID:	

Attn: **Gavin Gilmore**
Matrix New World Engineering
26 Columbia Turnpike
Florham Park, NJ 07932

Phone: (973) 240-1800
 Fax: (973) 240-1818
 Received: 09/08/14 4:40 PM
 Analysis Date: 9/9/2014
 Collected: 9/6/2014

Project: 12-243-08 / 71 Ludlow Ave, Newark, NJ

**Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method,
 Revision 3, Issue 2, 8/15/94***

<i>Sample</i>	<i>Location</i>	<i>Sample Date</i>	<i>Volume (liters)</i>	<i>Fibers</i>	<i>Fields</i>	<i>LOD (fib/cc)</i>	<i>Fibers/ mm²</i>	<i>Fibers/ cc</i>	<i>Notes</i>
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The results reported have been blank corrected as applicable.

Analyst(s) _____

Susan Pollack (10)

Chaiyut Sae Lao, Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.34, 21-50 fibers = 0.26, 51-100 fibers = 0.19. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by EMSL. The test results contained within this report meet the requirements of NELAP unless otherwise noted. Results have been blank corrected as applicable. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Piscataway, NJ NYS ELAP 11423, NJ NELAC 12037

Initial report from 09/09/2014 11:23:15



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

051404121

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

Company: Matrix New World		EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 26 Columbia Turnpike		Third Party Billing requires written authorization from third party	
City: Florham Park	State/Province: NJ	Zip/Postal Code: 07932	Country: USA
Report To (Name): Gavin Gilmore		Telephone #: 973-240-1800	
Email Address: ggilmore@matrixnewworld.com		Fax #: 973-240-1818	Purchase Order:
Project Name/Number: 12-243-08		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail	
U.S. State Samples Taken: NJ		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	

Turnaround Time (TAT) Options* - Please Check

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

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

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

Check For Positive Stop - Clearly Identify Homogenous Group

Filter Pore Size (Air Samples): 0.8µm 0.45µm

Samplers Name: Matt Sheldon

Samplers Signature: *Matt Sheldon*

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	See Attached		

Client Sample # (s): 0906-01 - 0906-FB2 Total # of Samples: 10

Relinquished (Client): *Matt Sheldon* Date: 9/6/14 Time: 5:30 pm

Received (Lab): **RECEIVED** Date: Time:

Comments/Special Instructions:

SEP 08 2014 4:40 PM

BY *A. Zupcin* W.I.
EMSL PISCATAWAY

cover

05/04/2014 Page 1 of 1
 Rotometer No.: M7X-8
 Date of Last Calibration: 5/21/14
 Flow Rate Method: Primary or Secondary

AIR SAMPLE DATA / CHAIN OF CUSTODY RECORD

Matrix New World Engineering
 120 Eagle Rock Avenue,
 East Hanover, N.J. 07936
 Phone: 973-240-1800
 Fax: 973-240-1818

Phase During

Project Name:	Analysis Requested:		Turnaround Time:	Time On/Off		Total Volume (Liters)	Limit of Detection	Results
	Asbestos (PCM)	Lead Mold TEM		Time On	Time Off			
Site Location: 71 Ludlow Ave. Newark, NJ	12-243-08		Project Manager: G. Gilmore					
Sampled By: Matt Sheldon								
Date: 9/6/14								
Sample ID #	Location	Initial / Final Flow Rate (LPM)	Ave Flow Rate (LPM)	Time On	Time Off	Total Volume (Liters)	Limit of Detection	Results
0906-01	Critical Barrier, S. Boiler Room Window	6.0 / 6.0	6.0	9:00	12:02	1,092		
0906-02	Exhaust, S. Boiler Room Window	6.0 / 6.0	6.0	9:06	12:02	1,092		
0906-03	Decon, First Floor Hallway	6.0 / 6.0	6.0	9:01	12:02	1,086		
0906-04	Work Route, Below Stairs	6.0 / 6.0	6.0	9:03	12:02	1,074		
0906-05	Critical Barrier, S. Boiler Room Window	5.0 / 5.0	5.0	13:00	15:24	720		
0906-06	Exhaust, S. Boiler Room Window	5.0 / 5.0	5.0	13:00	15:24	720		
0906-07	Decon, First Floor Hallway	5.0 / 5.0	5.0	13:01	15:25	720		RECEIVED
0906-08	Work Route, Below Stairs	5.0 / 5.0	5.0	13:01	15:25	720		SEP 01 2014
0906-FB1	Field Blank							
0906-FB2	Field Blank							

Received By: _____ Date: _____
 Time: _____

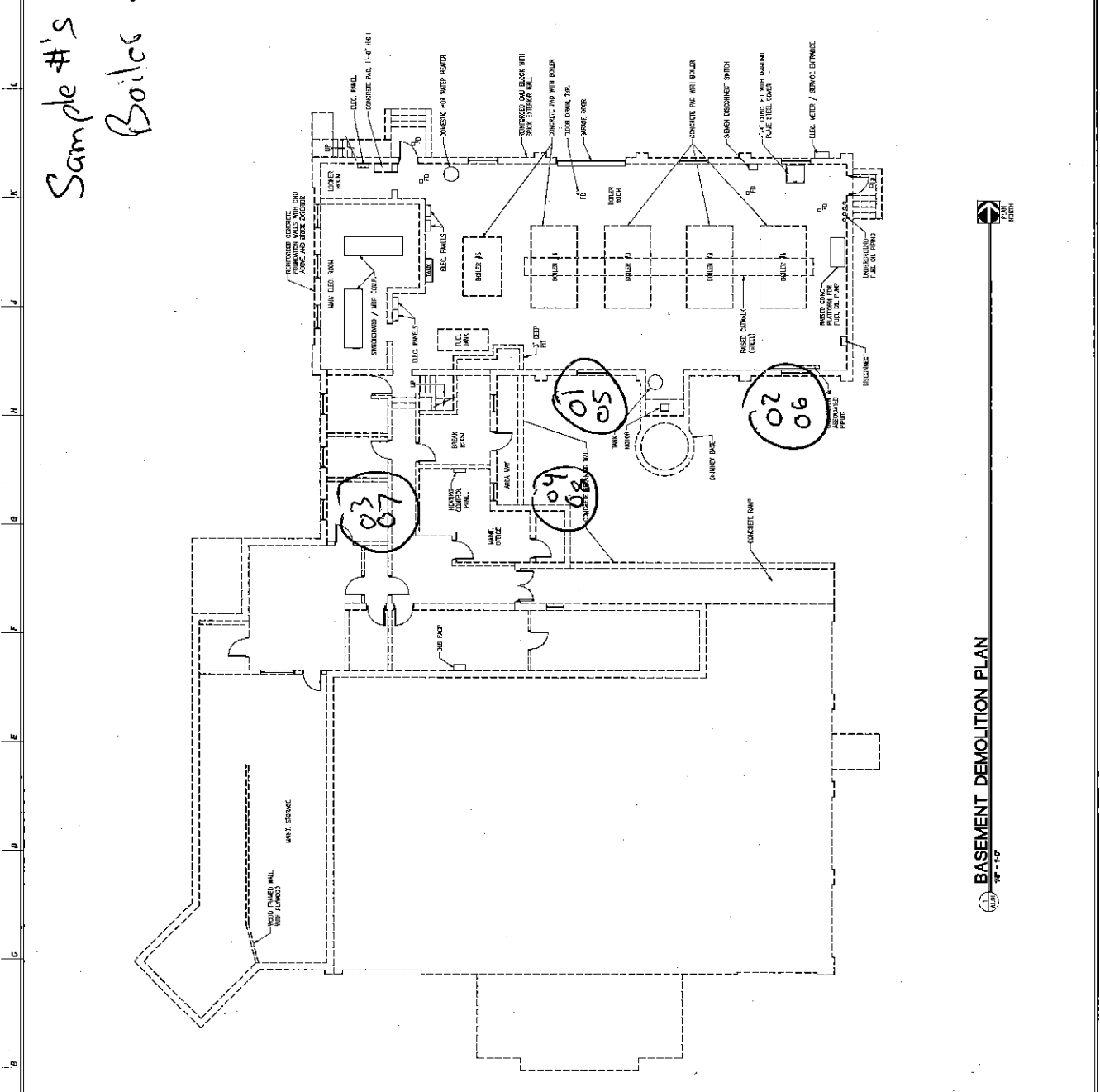
Relinquished By: Matt Sheldon Date: 9/6/14
 Time: _____

Analyst: _____

9/6/14

Sample #'s 0906-##
Boilers room

KEYPLAN
 SCALE: 1/16"=1'-0"
A101



DEMOLITION NOTES
 DURING DEMOLITION:
 1. ALL DEMOLITION IS APPROXIMATE.
 2. THE EXISTING WALLS AND FLOORS SHALL BE DEMOLISHED AND THE DEBRIS TO BE SALVAGED.
 3. THE EXISTING FLOOR SHALL BE DEMOLISHED AND THE DEBRIS TO BE SALVAGED. ALL EXISTING FLOORING SHALL BE REMOVED.
 4. ALL EXISTING INTERIORS SHALL BE DEMOLISHED.
 5. ALL EXISTING MECHANICAL, ELECTRICAL, AND PLUMBING SHALL BE REMOVED.
 6. ALL EXISTING MATERIALS SHALL BE RECORDED FOR MATERIAL IDENTIFICATION.



EMSL Analytical, Inc.

1056 Stelton Road, Piscataway, NJ 08854

Phone/Fax: (732) 981-0550 / (732) 981-0551

<http://www.EMSL.com>

piscatawaylab@emsl.com

EMSL Order: 051404120

CustomerID: MATX53

CustomerPO:

ProjectID:

Attn: **Gavin Gilmore**
Matrix New World Engineering
26 Columbia Turnpike
Florham Park, NJ 07932

Phone: (973) 240-1800
Fax: (973) 240-1818
Received: 09/08/14 4:40 PM
Analysis Date: 9/9/2014
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Project: 12-243-08 / 71 Ludlow Ave, Newark, NJ

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94*

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD (fib/cc)	Fibers/mm ²	Fibers/cc	Notes
0907-01 051404120-0001	Decon Entrance, 1st Floor Hallway	9/7/2014	1025.00	11.5	100	0.003	14.6	0.006	
0907-02 051404120-0002	Work Route, Below Stairway	9/7/2014	1020.00	<5.5	100	0.003	<7.01	<0.003	
0907-03 051404120-0003	Exhaust, S. Boiler Room Window	9/7/2014	1025.00	8	100	0.003	10.2	0.004	
0907-04 051404120-0004	Critical Barrier, N. Boiler Room Window	9/7/2014	1025.00	11	100	0.003	14.0	0.005	
0907-05 051404120-0005	Decon Entrance, 1st Floor Hallway	9/7/2014	820.00	7	100	0.003	8.92	0.004	
0907-06 051404120-0006	Work Route, Below Stairway	9/7/2014	820.00	<5.5	100	0.003	<7.01	<0.003	
0907-07 051404120-0007	Exhaust, S. Boiler Room Window	9/7/2014	820.00	<5.5	100	0.003	<7.01	<0.003	
0907-08 051404120-0008	Critical Barrier, N. Boiler Room Window	9/7/2014	820.00	<5.5	100	0.003	<7.01	<0.003	
0907-FB1 051404120-0009	Field Blank	9/7/2014		<5.5	100		<7.01		Field Blank
0907-FB2 051404120-0010	Field Blank	9/7/2014		<5.5	100		<7.01		Field Blank

Analyst(s)

Susan Pollack (10)

Chaiyut Sae Lao, Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.34, 21-50 fibers = 0.26, 51-100 fibers = 0.19. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by EMSL. The test results contained within this report meet the requirements of NELAP unless otherwise noted. Results have been blank corrected as applicable. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Piscataway, NJ NYS ELAP 11423, NJ NELAC 12037

Initial report from 09/09/2014 11:20:35



EMSL Analytical, Inc.

1056 Stelton Road, Piscataway, NJ 08854

Phone/Fax: (732) 981-0550 / (732) 981-0551

<http://www.EMSL.com>

piscatawaylab@emsl.com

EMSL Order: 051404120

CustomerID: MATX53

CustomerPO:

ProjectID:

Attn: **Gavin Gilmore**
Matrix New World Engineering
26 Columbia Turnpike
Florham Park, NJ 07932

Phone: (973) 240-1800
Fax: (973) 240-1818
Received: 09/08/14 4:40 PM
Analysis Date: 9/9/2014
Collected: 9/7/2014

Project: 12-243-08 / 71 Ludlow Ave, Newark, NJ

**Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method,
Revision 3, Issue 2, 8/15/94***

<i>Sample</i>	<i>Location</i>	<i>Sample Date</i>	<i>Volume (liters)</i>	<i>Fibers</i>	<i>Fields</i>	<i>LOD (fib/cc)</i>	<i>Fibers/ mm²</i>	<i>Fibers/ cc</i>	<i>Notes</i>
---------------	-----------------	--------------------	----------------------------	---------------	---------------	-------------------------	-----------------------------------	-----------------------	--------------

The results reported have been blank corrected as applicable.

Analyst(s) _____

Susan Pollack (10)

Chaiyut Sae Lao, Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.34, 21-50 fibers = 0.26, 51-100 fibers = 0.19. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by EMSL. The test results contained within this report meet the requirements of NELAP unless otherwise noted. Results have been blank corrected as applicable. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Piscataway, NJ NYS ELAP 11423, NJ NELAC 12037

Initial report from 09/09/2014 11:20:35



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

051404120

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

Company: Matrix New World		EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 26 Columbia Turnpike		Third Party Billing requires written authorization from third party	
City: Florham Park	State/Province: NJ	Zip/Postal Code: 07932	Country: USA
Report To (Name): Gavin Gilmore		Telephone #: 973-240-1800	
Email Address: ggilmore@matrixnewworld.com		Fax #: 973-240-1818	Purchase Order:
Project Name/Number: 12-243-08		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail	
U.S. State Samples Taken: NJ		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	

Turnaround Time (TAT) Options* - Please Check

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

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

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

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

Samplers Name: Matt Sheldon Samplers Signature: Matt Sheldon

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	See Attached		

Client Sample # (s): 0907-01 - 0907-FB2 Total # of Samples: 10

Relinquished (Client): Matt Sheldon Date: 9/17/14 Time: 10

Received (Lab): Date: **RECEIVED** 4:40 PM

Comments/Special Instructions: **SEP 08 2014** West

BY A. Zepain
EMSL PISCATAWAY

051404120

Page of
 Rotometer No.: MTX-8
 Date of Last Calibration: 8/21/14
 Flow Rate Method: Primary or Secondary

AIR SAMPLE DATA / CHAIN OF CUSTODY RECORD

Matrix New World Engineering
 120 Eagle Rock Avenue,
 East Hanover, N.J. 07936
 Phone: 973-240-1800
 Fax: 973-240-1818

Phase During

Project Name: Site Location: 71 Ludlow Ave. Newark, NJ	Sampled By: Matt Sheldon	Date: 9/7/14	Turnaround Time:		Time On/ Time Off	Total Time (Minutes)	Total Volume (Liters)	fibers/ field	Limit of Detection	Results
			Immediate <input type="checkbox"/>	6 HRS <input type="checkbox"/>						
			<input type="checkbox"/> 12 HRS	<input checked="" type="checkbox"/> 24 HRS						
			<input type="checkbox"/> 48 HRS	<input type="checkbox"/> 72 HRS						
			<input type="checkbox"/> Other							
Sample ID #	Location	Initial / Final Flow Rate (LPM)	Ave Flow Rate (LPM)	Time On/ Time Off	Total Time (Minutes)	Total Volume (Liters)	fibers/ field	Limit of Detection	Results	
9/7/14 0907-01	Decon Entrance 1st Floor Hallway	5.0 / 5.0	5.0	8:17 / 11:42	205	1,025				
0907-02	Work Route, Below Stairway	5.0 / 5.0	5.0	8:18 / 11:42	204	1,020				
0907-03	Exhaust S. Boiler Room Window	5.0 / 5.0	5.0	8:18 / 11:43	205	1,025				
0907-04	Critical Barrier N. Boiler Room window	5.0 / 5.0	5.0	8:18 / 11:43	205	1,025				
0907-05	Decon Entrance 1st Floor Hallway	5.0 / 5.0	5.0	12:24 / 15:08	164	820				
0907-06	Work Route Below Stairway	5.0 / 5.0	5.0	12:24 / 15:08	164	820				
0907-07	Exhaust S. Boiler Room window	5.0 / 5.0	5.0	12:25 / 15:09	164	820			RECEIVED	
0907-08	Critical Barrier N. Boiler Room window	5.0 / 5.0	5.0	12:25 / 15:09	164	820			RECEIVED 08 2014	
0907-FB1	Field Blank	—	—	—						
0907-FB2	Field Blank	—	—	—						

Analysis Requested: Asbestos PCM TEM Mold
 Project Manager: G. Gilmore

Received By: Matt Sheldon Date: 9/7/14
 Time:

Order ID: 051404120

Analyst:

9/7/14

Sample #'s 0907 - #
Boiler Room

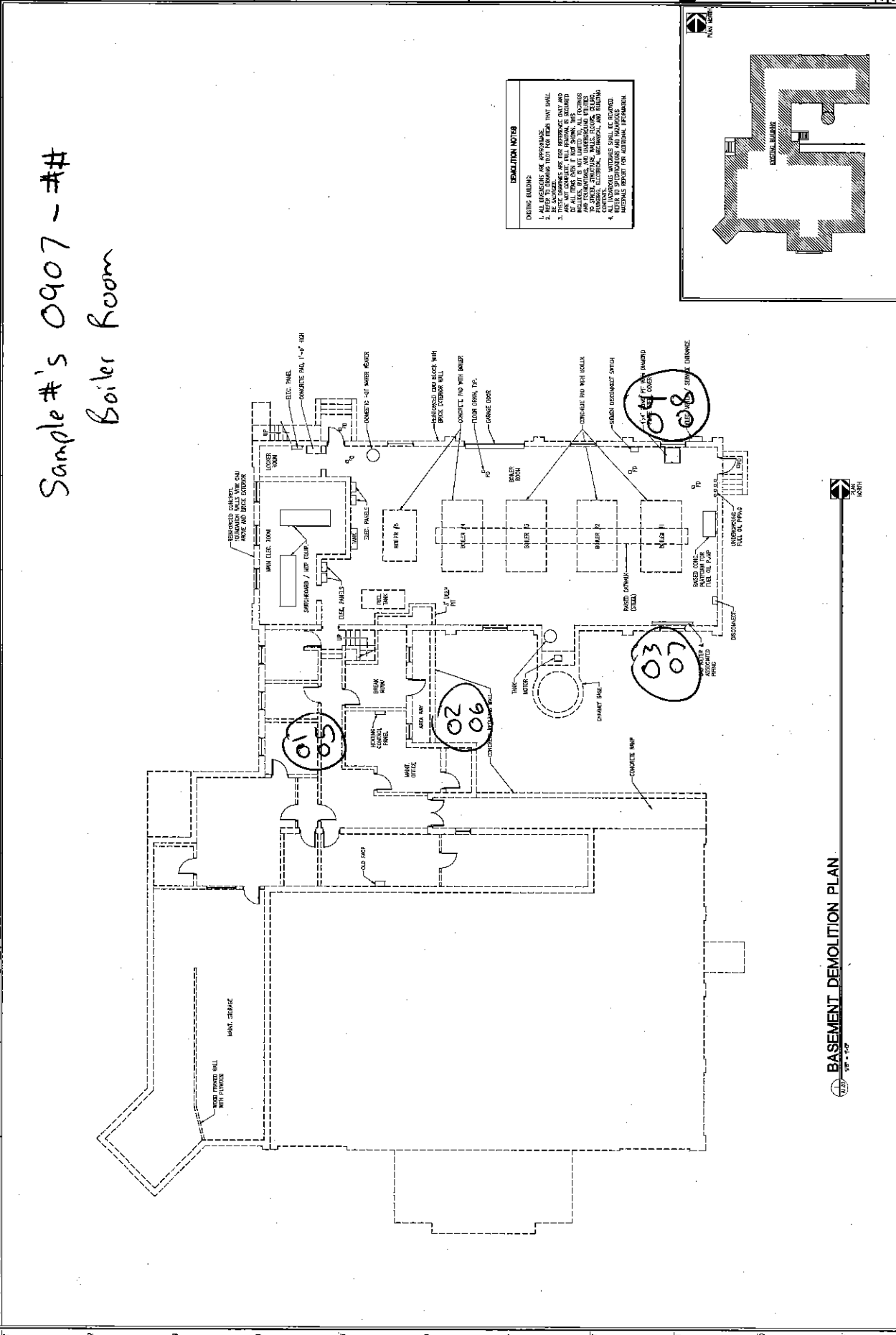
A B C D E F G H I J K L M N O

KENNETH H. KARLE, P.A.
REGISTERED ARCHITECT
1000 WEST 10TH AVENUE, SUITE 100
DENVER, CO 80202

LAN ASSOCIATES
Engineering • Planning • Architecture • Surveying
645 BOWEN AVENUE, HIGHLAND PARK, N.J. 07030 (201) 477-6400

BASEMENT DEMOLITION PLAN
DEMOLITION OF OFFICE & CENTRAL BOILER ROOM AT
71 LINDEN STREET, NEWARK, NJ
NEWARK HOUSING AUTHORITY
NEWARK, NJ
DATE: 02/17/14
SCALE: 1/16" = 1'-0"

A101
KEYPLAN



**EMSL Analytical, Inc.**

1056 Stelton Road, Piscataway, NJ 08854

Phone/Fax: (732) 981-0550 / (732) 981-0551

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

EMSL Order: 051404119

CustomerID: MATX53

CustomerPO:

ProjectID:

Attn: **Gavin Gilmore**
Matrix New World Engineering
26 Columbia Turnpike
Florham Park, NJ 07932

Phone: (973) 240-1800
 Fax: (973) 240-1818
 Received: 09/08/14 4:40 PM
 Analysis Date: 9/9/2014
 Collected: 9/8/2014

Project: 12-243-08 / 71 Ludlow Ave, Newark, NJ

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94*

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD (fib/cc)	Fibers/mm ²	Fibers/cc	Notes
0908-01 051404119-0001	Decon, 1st Floor Hallway	9/8/2014	1035.00	11.5	100	0.003	14.6	0.005	
0908-02 051404119-0002	Work Route, Below Stairway	9/8/2014	1035.00	8	100	0.003	10.2	0.004	
0908-03 051404119-0003	Exhaust, S. Boiler Room Window	9/8/2014	1035.00	<5.5	100	0.003	<7.01	<0.003	
0908-04 051404119-0004	Waste Route, N. Boiler Room / Critical	9/8/2014	1035.00	15.5	100	0.003	19.7	0.007	
0908-05 051404119-0005	Decon, 1st Floor Hallway	9/8/2014	670.00	<5.5	100	0.004	<7.01	<0.004	
0908-06 051404119-0006	Work Route, Below Stairway	9/8/2014	670.00	<5.5	100	0.004	<7.01	<0.004	
0908-07 051404119-0007	Exhaust, S. Boiler Room Window	9/8/2014	670.00	<5.5	100	0.004	<7.01	<0.004	
0908-08 051404119-0008	Waste Route, N. Boiler Room / Critical	9/8/2014	670.00	<5.5	100	0.004	<7.01	<0.004	
0908-09 051404119-0009	Field Blank	9/8/2014		<5.5	100		<7.01		Field Blank
0908-10 051404119-0010	Field Blank	9/8/2014		<5.5	100		<7.01		Field Blank

Analyst(s)

Susan Pollack (10)

Chaiyut Sae Lao, Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.34, 21-50 fibers = 0.26, 51-100 fibers = 0.19. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by EMSL. The test results contained within this report meet the requirements of NELAP unless otherwise noted. Results have been blank corrected as applicable. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Piscataway, NJ NYS ELAP 11423, NJ NELAC 12037

Initial report from 09/09/2014 11:17:12



EMSL Analytical, Inc.

1056 Stelton Road, Piscataway, NJ 08854

Phone/Fax: (732) 981-0550 / (732) 981-0551

<http://www.EMSL.com>

piscatawaylab@emsl.com

EMSL Order:	051404119
CustomerID:	MATX53
CustomerPO:	
ProjectID:	

Attn: **Gavin Gilmore**
Matrix New World Engineering
26 Columbia Turnpike
Florham Park, NJ 07932

Phone: (973) 240-1800
Fax: (973) 240-1818
Received: 09/08/14 4:40 PM
Analysis Date: 9/9/2014
Collected: 9/8/2014

Project: 12-243-08 / 71 Ludlow Ave, Newark, NJ

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94*

<i>Sample</i>	<i>Location</i>	<i>Sample Date</i>	<i>Volume (liters)</i>	<i>Fibers</i>	<i>Fields</i>	<i>LOD (fib/cc)</i>	<i>Fibers/mm²</i>	<i>Fibers/cc</i>	<i>Notes</i>
---------------	-----------------	--------------------	------------------------	---------------	---------------	---------------------	------------------------------	------------------	--------------

The results reported have been blank corrected as applicable.

Analyst(s) _____

Susan Pollack (10)

Chaiyut Sae Lao, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Piscataway, NJ NYS ELAP 11423, NJ NELAC 12037

Initial report from 09/09/2014 11:17:12



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

051404119

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

Company: Matrix New World		EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 26 Columbia Turnpike		Third Party Billing requires written authorization from third party	
City: Florham Park	State/Province: NJ	Zip/Postal Code: 07932	Country: USA
Report To (Name): Gavin Gilmore		Telephone #: 973-240-1800	
Email Address: ggilmore@matrixnewworld.com		Fax #: 973-240-1818	Purchase Order:
Project Name/Number: 12-243-08		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail	
U.S. State Samples Taken: NJ		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	

Turnaround Time (TAT) Options* - Please Check

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

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

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

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

Samplers Name: Matt Sheldon Samplers Signature: Matt Sheldon

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	See Attached		

Client Sample # (s): 0908-01 - 0908 FBZ Total # of Samples: 10

Relinquished (Client): Matt Sheldon Date: 9/8/14 Time:

Received (Lab): Date: **RECEIVED** Time: 4:40 PM

Comments/Special Instructions: W.I.

SEP 08 2014
BY A. Zepin
EMSL PISCATAWAY

051404119

Page 1 of 1

AIR SAMPLE DATA / CHAIN OF CUSTODY RECORD

Matrix New World Engineering
 120 Eagle Rock Avenue,
 East Hanover, N.J. 07936
 Phone: 973-240-1800
 Fax: 973-240-1818

Rotometer No.: MTX-8
 Date of Last Calibration: 8/21/14
 Flow Rate Method: Primary or Secondary

Phase Duins

Project Name:	Turnaround Time:		Analysis Requested:	fibers/ field	Limit of Detection	Results				
	Initial / Final Flow Rate (LPM)	Ave Flow Rate (LPM)					Asbestos PCM	Lead Mold TEM		
Site Location: 71 Ludlow Ave. Newark, NJ	<input type="checkbox"/> Immediate <input type="checkbox"/> 6 HRS <input checked="" type="checkbox"/> 12 HRS <input type="checkbox"/> 24 HRS <input type="checkbox"/> 48 HRS <input type="checkbox"/> 72 HRS <input type="checkbox"/> Other		12-243-08							
Sampled By: Matt Sheldon			Project Manager: G. Gilmore							
Date:										
9/8/14	0908-01	Deron, 1st Floor Hallway	5.0 / 5.0	5.0	8:41 / 12:09	207	1035			
	0908-02	work route, Below Stairway	5.0 / 5.0	5.0	8:41 / 12:09	207	1,035			
	0908-03	Exhaust, S. Boiler Room window	5.0 / 5.0	5.0	8:42 / 12:10	207	1,035			
	0908-04	waste route, N. Boiler Room / critical	5.0 / 5.0	5.0	8:42 / 12:10	207	1,035			
	0908-05	Deron, 1st Floor Hallway	5.0 / 5.0	5.0	13:10 / 15:24	134	670			
	0908-06	work route, Below Stairway	5.0 / 5.0	5.0	13:10 / 15:24	134	670			
	0908-07	Exhaust, S. Boiler Room window	5.0 / 5.0	5.0	13:11 / 15:25	134	670			
	0908-08	waste route, N. Boiler Room / critical	5.0 / 5.0	5.0	13:11 / 15:25	134	670			
	0908-FB1	Field Blank	5.0 / 5.0	5.0	— / —	—	—			
	0908-FB2	Field Blank	5.0 / 5.0	5.0	— / —	—	—			RECEIVED

Inflinquished By: Matt Sheldon Date: 9/8/14 Time: _____
 Received By: _____ Date: SEP 08 2014 Time: _____
 BY: EMSL PISCATAWAY

09/8/14

Sample #'s 0908-##
Boiler Room

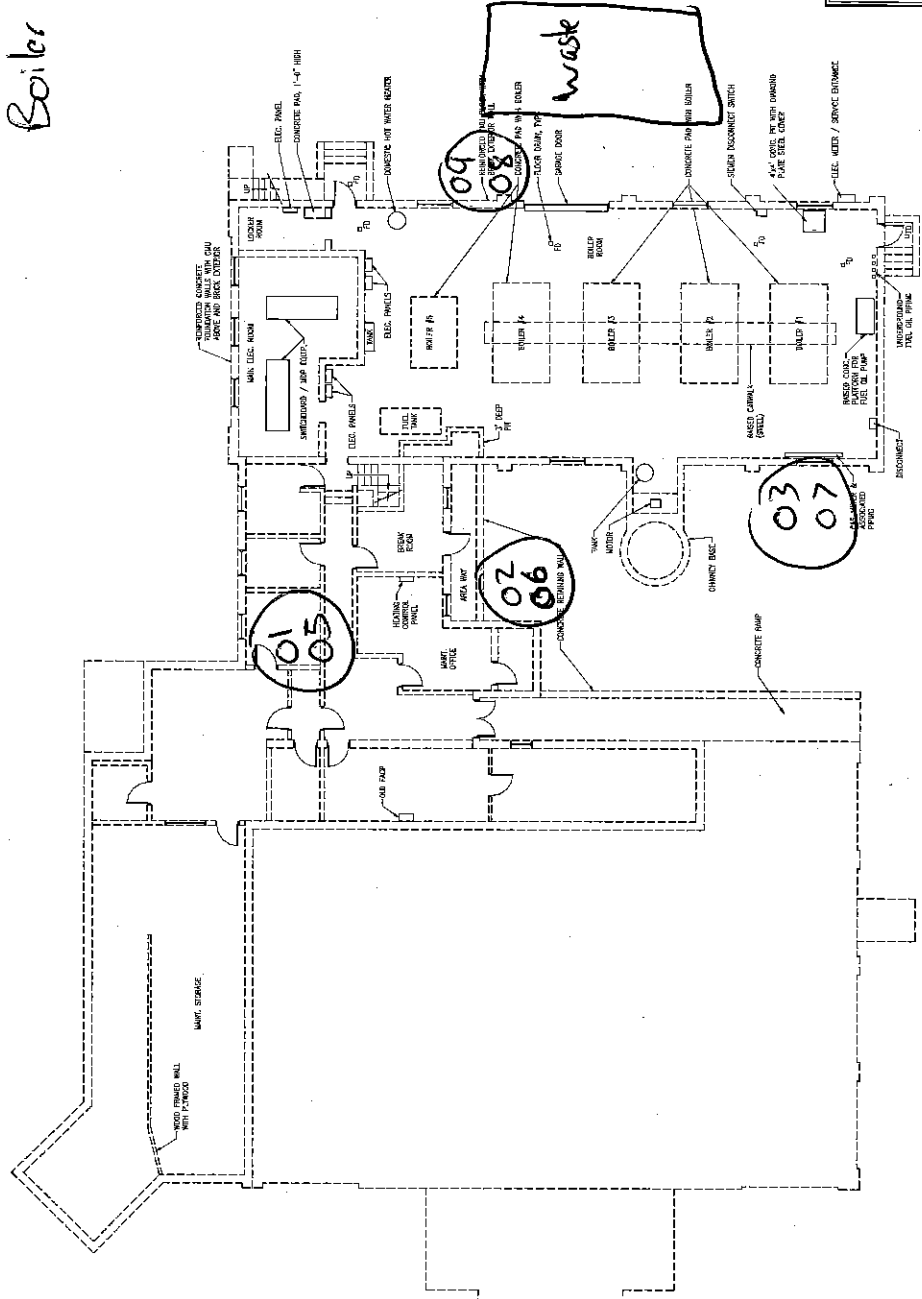
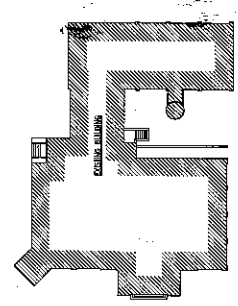
KENNETH H. KARE, P.A.
REGISTERED ARCHITECT
1201 W. 13th Street
New York, NY 10019
Tel: 212.777.1232
Fax: 212.777.1233

LAN ASSOCIATES
Engineering • Planning • Architecture • Surveying
485 BROADWAY, 12TH FLOOR, NEW YORK, NY 10013
Tel: 212.691.4400

BASEMENT DEMOLITION PLAN
DEPARTMENT OF OFFICE & CENTRAL BOILER BUILDING
71 TILDEN STREET, NEWARK, NJ
NEWARK, NJ
DATE: 09/08/14
BY: [Signature]

A101
KEYPLAN
SCALE: 1/16"=1'-0"

DEMOLITION NOTES
EXISTING BUILDING:
1. ALL DEMOLITION IS APPROXIMATE.
2. THE LOCATION OF ALL UTILITIES SHALL BE DETERMINED BY THE SURVEYOR.
3. ALL UTILITIES SHALL BE PROTECTED OR SHUT OFF PRIOR TO DEMOLITION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF NEWARK, NJ.
5. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
6. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE SAFETY REGULATIONS.
7. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE ENVIRONMENTAL REGULATIONS.
8. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE HISTORIC PRESERVATION REGULATIONS.
9. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LABOR LAWS.
10. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE TAX LAWS.
11. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE FINANCIAL REGULATIONS.
12. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LEGAL REGULATIONS.
13. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE POLITICAL REGULATIONS.
14. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE SOCIAL REGULATIONS.
15. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CULTURAL REGULATIONS.
16. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE ETHICAL REGULATIONS.
17. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE RELIGIOUS REGULATIONS.
18. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE SCIENTIFIC REGULATIONS.
19. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE ARTISTIC REGULATIONS.
20. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LITERARY REGULATIONS.
21. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE MUSICAL REGULATIONS.
22. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE THEATRICAL REGULATIONS.
23. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE FILM REGULATIONS.
24. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE TELEVISION REGULATIONS.
25. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE RADIO REGULATIONS.
26. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE MASS MEDIA REGULATIONS.
27. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE COMMUNICATIONS REGULATIONS.
28. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE TRANSPORTATION REGULATIONS.
29. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE INFRASTRUCTURE REGULATIONS.
30. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE UTILITIES REGULATIONS.



BASEMENT DEMOLITION PLAN
DATE: 09/08/14

**EMSL Analytical, Inc.**

1056 Stelton Road, Piscataway, NJ 08854

Phone/Fax: (732) 981-0550 / (732) 981-0551

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

EMSL Order: 051404225

CustomerID: MATX53

CustomerPO:

ProjectID:

Attn: **Gavin Gilmore**
Matrix New World Engineering
26 Columbia Turnpike
Florham Park, NJ 07932

Phone: (973) 240-1800
 Fax: (973) 240-1818
 Received: 09/12/14 3:45 PM
 Analysis Date: 9/13/2014
 Collected: 9/11/2014

Project: 12-243-08 / 71 Ludlow Ave, Newark, NJ

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94*

Sample	Location	Sample Date	Volume			LOD (fib/cc)	Fibers/ mm ²	Fibers/ cc	Notes
			(liters)	Fibers	Fields				
0911-01 051404225-0001	Decon, 1st Floor Hallway	9/11/2014	1282.00	<5.5	100	0.002	<7.01	<0.002	
0911-02 051404225-0002	Work Route, Below Stairway	9/11/2014	1295.00	<5.5	100	0.002	<7.01	<0.002	
0911-03 051404225-0003	Critical, Middle Window/Door	9/11/2014	1295.00	7	100	0.002	8.92	0.003	
0911-04 051404225-0004	Exhaust, Middle Ramp	9/11/2014	1295.00	5.5	100	0.002	7.01	0.002	
0911-05 051404225-0005	Waste Route, N. Boiler Room/Critical	9/11/2014	1259.00	<5.5	100	0.002	<7.01	<0.002	
0911-FB1 051404225-0006	Field Blank	9/11/2014		<5.5	100		<7.01		Field Blank
0911-FB2 051404225-0007	Field Blank	9/11/2014		<5.5	100		<7.01		Field Blank

The results reported have been blank corrected as applicable.

Analyst(s)

Susan Pollack (7)

Chaiyut Sae Lao, Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.34, 21-50 fibers = 0.26, 51-100 fibers = 0.19. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by EMSL. The test results contained within this report meet the requirements of NELAP unless otherwise noted. Results have been blank corrected as applicable. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Piscataway, NJ NYS ELAP 11423, NJ NELAC 12037

Initial report from 09/13/2014 13:32:08



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

051404225

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

Company: Matris New World		EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different <small>If Bill to is Different note instructions in Comments**</small>	
Street: 26 Columbia Turn Pike		<i>Third Party Billing requires written authorization from third party</i>	
City: Florum Park	State/Province: NJ	Zip/Postal Code:	Country:
Report To (Name):		Telephone #:	
Email Address:		Fax #:	Purchase Order:
Project Name/Number:		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail	
U.S. State Samples Taken:		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	

Turnaround Time (TAT) Options* - Please Check

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

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

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

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

Samplers Name: Matt Sheldon Samplers Signature: Matta Sheldon

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	SEE ATTACHED		
	Pleas e-mail results to ggilmore@matrixnewworld.com & msheldon@matrixnewworld.com		

Client Sample # (s): 0911-01 - FBZ Total # of Samples: 7

Relinquished (Client): Matta Sheldon Date: 9/11/14 Time:

Received (Lab): Date: **RECEIVED** Time:

Comments/Special Instructions:

SEP 12 2014

BY A. Zepin 345PM
EMSL PISCATAWAY W.I.

Matrix New World Engineering
 120 Eagle Rock Avenue,
 East Hanover, N.J. 07936
 Phone: 973-240-1800
 Fax: 973-240-1818

AIR SAMPLE DATA / CHAIN OF CUSTODY RECORD

051404225

Page of

Phase During

Rotometer No.: MTX-8

Date of Last Calibration:

Flow Rate Method: Primary or Secondary

Project Name:		Turnaround Time:		Analysis Requested:		Project Manager: G. Gilmore	
Site Location: 71 Ludlow Ave. Newark, NJ		<input type="checkbox"/> Immediate <input type="checkbox"/> 6 HRS <input type="checkbox"/> 12 HRS <input checked="" type="checkbox"/> 24 HRS <input type="checkbox"/> 48 HRS <input type="checkbox"/> 72 HRS <input type="checkbox"/> Other		Asbestos <input type="checkbox"/> PCM <input checked="" type="checkbox"/> TEM		12-243-08	
Sampled By: Matt Sheldon		Initial / Final Flow Rate (LPM)		Total Time (Minutes)		fibers/field	
Date: 9/11/14		Ave Flow Rate (LPM)		Time On/ Time Off		Total Volume (Liters)	
9/11/14	0911-01	5.0 / 4.9	4.95	10:16 / 2:35	259	1,282	
	0911-02	5.0 / 5.0	5.0	10:16 / 2:35	259	1,295	
	0911-03	5.0 / 5.0	5.0	10:16 / 2:35	259	1,295	
	0911-04	5.0 / 5.0	5.0	10:16 / 2:35	259	1,295	
	0911-05	5.0 / 4.8	4.9	10:18 / 2:35	257	1,259	
	0911-FB1						RECEIVED
	0911-FB2						SEP 17 2014
							BY EMSL PISCATAWAY

Requested By: Matt Sheldon Date: 09/11/14
 Time:
 Analyst: Matt Sheldon

Received By: Date:
 Time:

9/11/14

Sample #1's 0911-#H
Boiler Room (Basement)

REVISIONS

NO.	DESCRIPTION	DATE

KENNETH H. KARLE, P.A.
REGISTERED ARCHITECT

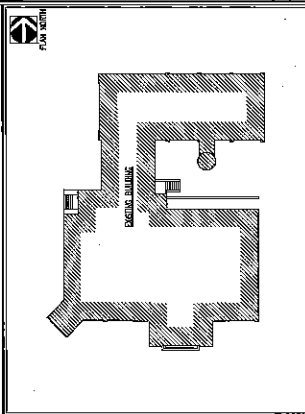
LAN ASSOCIATES
ENGINEERING • PLANNING • ARCHITECTURE • SURVEYING
71 LUDLOW STREET, NEWARK, NJ 07102
NEWARK, NJ 07102

BASEMENT DEMOLITION PLAN
DEMOLITION OF OFFICE & CENTRAL BOILER ROOM AT
71 LUDLOW STREET, NEWARK, NJ
NEWARK, NJ 07102

A101

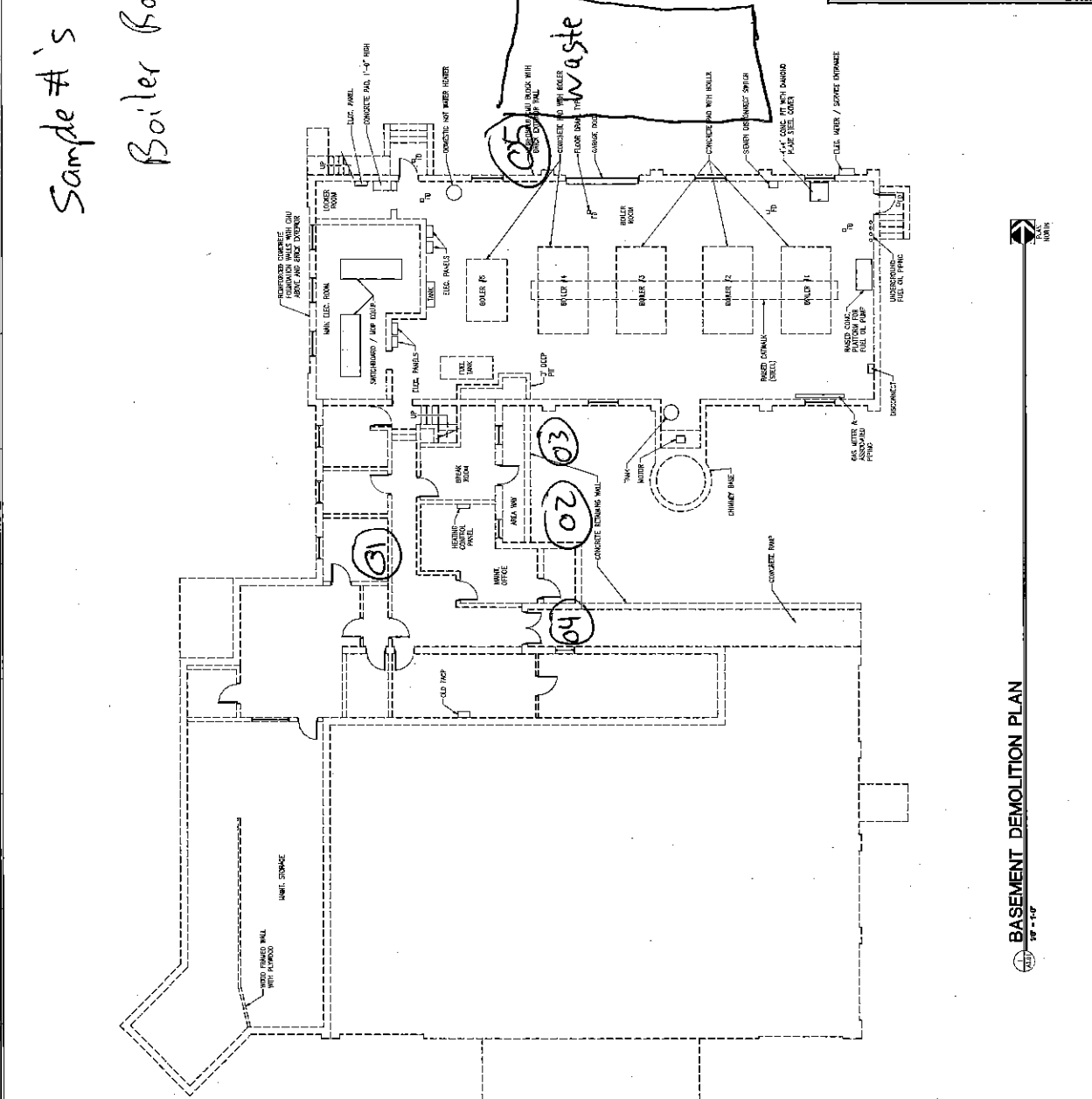
KEY PLAN

SCALE: 1/16"=1'-0"



DEMOLITION NOTES

REMOVE BEARING:
1. ALL EXISTING BEARING WALLS, COLUMNS AND FOOTINGS ARE TO BE REMOVED.
2. ALL EXISTING BEARING WALLS ARE TO BE REMOVED TO EXPOSE INSIDE AND OUTSIDE SURFACES. ALL REMOVAL IS TO BE COMPLETED TO A MINIMUM OF 6" BELOW FINISH FLOOR LEVEL.
3. ALL EXISTING BEARING WALLS TO BE REMOVED TO EXPOSE INSIDE AND OUTSIDE SURFACES. ALL REMOVAL IS TO BE COMPLETED TO A MINIMUM OF 6" BELOW FINISH FLOOR LEVEL.
4. ALL EXISTING BEARING WALLS TO BE REMOVED TO EXPOSE INSIDE AND OUTSIDE SURFACES. ALL REMOVAL IS TO BE COMPLETED TO A MINIMUM OF 6" BELOW FINISH FLOOR LEVEL.
5. ALL EXISTING BEARING WALLS TO BE REMOVED TO EXPOSE INSIDE AND OUTSIDE SURFACES. ALL REMOVAL IS TO BE COMPLETED TO A MINIMUM OF 6" BELOW FINISH FLOOR LEVEL.
6. ALL EXISTING BEARING WALLS TO BE REMOVED TO EXPOSE INSIDE AND OUTSIDE SURFACES. ALL REMOVAL IS TO BE COMPLETED TO A MINIMUM OF 6" BELOW FINISH FLOOR LEVEL.



BASEMENT DEMOLITION PLAN

**EMSL Analytical, Inc.**

307 West 38th Street, New York, NY 10018

Phone/Fax: (212) 290-0051 / (212) 290-0058

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

EMSL Order: 031435223

CustomerID: MATX53

CustomerPO:

ProjectID:

Attn: **Gavin Gilmore**
Matrix New World Engineering
26 Columbia Turnpike
Florham Park, NJ 07932

Phone: (973) 240-1800
 Fax: (973) 240-1818
 Received: 09/12/14 10:43 AM
 Analysis Date: 9/12/2014
 Collected: 9/10/2014

Project: 12-243-08/ 71 LUDLOW AVE/ NEWARK, NJ/ DURING REMOVAL

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94*

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD (fib/cc)	Fibers/mm ²	Fibers/cc	Notes
0910-01 031435223-0001	OUTSIDE DECON CLEAN ROOM - DURING REMOVAL	9/10/2014	1270.00	<5.5	100	0.002	<7.01	<0.002	
0910-02 031435223-0002	RAMP OUTSIDE AFD BANK - DURING REMOVAL	9/10/2014	1290.00	<5.5	100	0.002	<7.01	<0.002	
0910-03 031435223-0003	OUTSIDE BOILER ROOM AFD BANK - DURING REMOVAL	9/10/2014	1315.00	<5.5	100	0.002	<7.01	<0.002	
0910-04 031435223-0004	OUTSIDE WASTE CONTAINER - DURING REMOVAL	9/10/2014	1335.00	7.5	100	0.002	9.55	0.003	
0910-05 031435223-0005	OUTSIDE DECON CLEAN ROOM - DURING REMOVAL	9/10/2014	1630.00	8	100	0.002	10.2	0.002	
0910-06 031435223-0006	RAMP OUTSIDE AFD BANK - DURING REMOVAL	9/10/2014	1520.00	5.5	100	0.002	7.01	0.002	
0910-07 031435223-0007	OUTSIDE BOILER ROOM AFD BANK - DURING REMOVAL	9/10/2014	1580.00	<5.5	100	0.002	<7.01	<0.002	
0910-08 031435223-0008	OUTSIDE WASTE CONTAINER - DURING REMOVAL	9/10/2014	1570.00	5.5	100	0.002	7.01	0.002	
0910-09 031435223-0009	FIELD BLANK	9/10/2014		<5.5	100		<7.01		Field Blank
0910-10 031435223-0010	FIELD BLANK	9/10/2014		<5.5	100		<7.01		Field Blank

SCOPE #2 MEIJI TECH MT 5000 SER#139601

The results reported have been blank corrected as applicable.

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.25, 21-50 fibers = 0.22, 51-100 fibers = 0.18. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by EMSL. The test results contained within this report meet the requirements of NELAP unless otherwise noted. Results have been blank corrected as applicable. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC-IHLAP Accredited #102581, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 09/12/2014 23:08:53



EMSL Analytical, Inc.

307 West 38th Street, New York, NY 10018

Phone/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com>

manhattanlab@emsl.com

EMSL Order:	031435223
CustomerID:	MATX53
CustomerPO:	
ProjectID:	

Attn: **Gavin Gilmore**
Matrix New World Engineering
26 Columbia Turnpike
Florham Park, NJ 07932

Phone: (973) 240-1800
Fax: (973) 240-1818
Received: 09/12/14 10:43 AM
Analysis Date: 9/12/2014
Collected: 9/10/2014

Project: **12-243-08/ 71 LUDLOW AVE/ NEWARK, NJ/ DURING REMOVAL**

The samples in this report were submitted to EMSL for analysis by Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94*. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

SCOPE #2 MEIJI TECH MT 5000 SER#139601

Sample Receipt Date::	9/12/2014	Sample Receipt Time:	10:43 AM
Analysis Completed Date:	9/12/2014	Analysis Completed Time:	11:07 PM

Analyst(s):

Emmanuel Velez PCM (10)

Samples reviewed and approved by:

James Hall, Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.25, 21-50 fibers = 0.22, 51-100 fibers = 0.18. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by EMSL. The test results contained within this report meet the requirements of NELAP unless otherwise noted. Results have been blank corrected as applicable. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC-IHLAP Accredited #102581, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 09/12/2014 23:08:53



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

031435223

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

Company: Matris New World		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 26 Columbia Turn Pike		Third Party Billing requires written authorization from third party	
City: Florum Park	State/Province: NJ	Zip/Postal Code:	Country:
Report To (Name): <i>GAVIN GILMORE</i>		Telephone #:	
Email Address: <i>GGILMORE@MATRIXNEWORLD.COM</i>		Fax #:	Purchase Order:
Project Name/Number: <i>12-243-08</i>		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail	
U.S. State Samples Taken: <i>10</i>		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	

Turnaround Time (TAT) Options* - Please Check

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

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

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

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

Samplers Name: _____ Samplers Signature: _____

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	SEE ATTACHED		
Note: Two Samples labelled 0910-01 submitted. Based on Time on/Time OFF the lab was able to re-assign one sample as 0910-02. Jn 9-12-14.			
	Please e-mail results to		
	ggilmore@matrixneworld.com &		
	msheldon@matrixneworld.com		

Client Sample # (s): <i>0910-01</i>	- <i>0910-10</i>	Total # of Samples: <i>10</i>
Relinquished (Client): <i>T. Coil</i>	Date: <i>9/10/14</i>	Time: <i>1:33p</i>
Received (Lab): <i>Jylvis hu</i>	Date: <i>9/12/14</i>	Time: <i>10:43 am</i>
Comments/Special Instructions:		

031435223

Page of
 Rotometer No.: MTX-8
 Date of Last Calibration: 8/21/14
 Flow Rate Method: Primary or Secondary

AIR SAMPLE DATA / CHAIN OF CUSTODY RECORD

Matrix New World Engineering
 120 Eagle Rock Avenue,
 East Hanover, N.J. 07936
 Phone: 973-240-1800
 Fax: 973-240-1818

Phase 1 Removal
Removal

Project Name:	Turnaround Time:		Analysis Requested:	fibers/ field	Limit of Detection	Results
	Immediate	6 HRS				
Site Location: 71 Ludlow Ave. Newark, NJ	<input type="checkbox"/> 12 HRS	<input checked="" type="checkbox"/> 24 HRS	Asbestos			
Sampled By: <u>Matt Strickland</u>	<input type="checkbox"/> 48 HRS	<input type="checkbox"/> 72 HRS	PCM			
Date: <u>9/10/14</u>	<input type="checkbox"/> Other		TEM			
Sample ID #	Initial / Final Flow Rate (LPM)	Ave Flow Rate (LPM)	Time On/ Time Off	Total Time (Minutes)	Total Volume (Liters)	
0910-01	5.0 / 5.0	5.0	0750 / 1204	254	1,270	
0910-02	5.0 / 5.0	5.0	0801 / 1219	258	1,290	
0910-03	5.0 / 5.0	5.0	0746 / 1209	263	1,315	
0910-04	5.0 / 5.0	5.0	0747 / 1219	267	1,335	
0910-05	5.0 / 5.0	5.0	1204 / 1730	326	1,630	
0910-06	5.0 / 5.0	5.0	1219 / 1723	304	1,520	
0910-07	5.0 / 5.0	5.0	1209 / 1725	316	1,580	
0910-08	5.0 / 5.0	5.0	1214 / 1727	314	1,570	
0910-09	5.0 / 5.0	5.0	 / 	 	 	
0910-10	5.0 / 5.0	5.0	 / 	 	 	

Received By: [Signature] Date: 9/12/14
 Time: 10:43 am

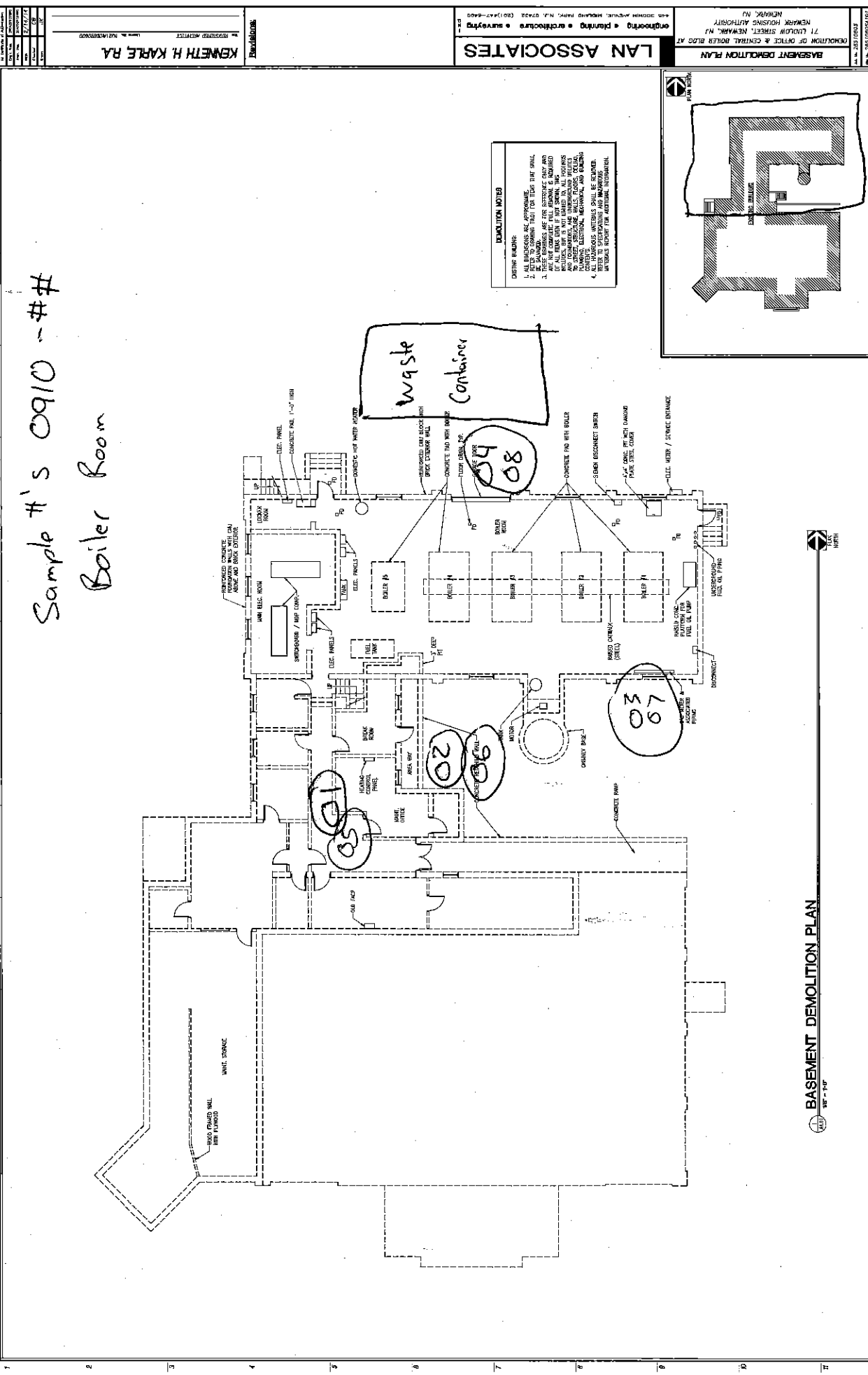
Relinquished By: [Signature] Date: 9/10/14
 Time:

Analyst: [Signature] 9/12/14

9/10/14

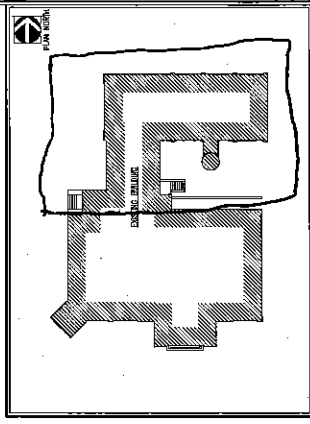
Sample #'s 0910 - #
Boiler Room

1 A B C D E F G H I J K L M N O



DEMOLITION NOTES

1. DEMOLITION SHALL BE ACCORDING TO THE DEMOLITION PLAN.
2. ALL DEMOLITION SHALL BE FOR THE ITEMS LISTED ON THE DEMOLITION PLAN.
3. ALL DEMOLITION SHALL BE FOR THE ITEMS LISTED ON THE DEMOLITION PLAN.
4. ALL DEMOLITION SHALL BE FOR THE ITEMS LISTED ON THE DEMOLITION PLAN.
5. ALL DEMOLITION SHALL BE FOR THE ITEMS LISTED ON THE DEMOLITION PLAN.
6. ALL DEMOLITION SHALL BE FOR THE ITEMS LISTED ON THE DEMOLITION PLAN.
7. ALL DEMOLITION SHALL BE FOR THE ITEMS LISTED ON THE DEMOLITION PLAN.
8. ALL DEMOLITION SHALL BE FOR THE ITEMS LISTED ON THE DEMOLITION PLAN.
9. ALL DEMOLITION SHALL BE FOR THE ITEMS LISTED ON THE DEMOLITION PLAN.
10. ALL DEMOLITION SHALL BE FOR THE ITEMS LISTED ON THE DEMOLITION PLAN.



KEYPLAN

SCALE: 1/8"=1'-0"

A101

**EMSL Analytical, Inc.**

307 West 38th Street, New York, NY 10018

Phone/Fax: (212) 290-0051 / (212) 290-0058

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

EMSL Order: 031436198

CustomerID: MATX53

CustomerPO:

ProjectID:

Attn: **G. GILMORE**
Matrix New World Engineering
26 Columbia Turnpike
Florham Park, NJ 07932

Phone: (973) 240-1800
 Fax: (973) 240-1818
 Received: 09/19/14 10:33 AM
 Analysis Date: 9/20/2014
 Collected: 9/17/2014

Project: 12-243-08/ 71 LUDLOW AVE., NEWARK, NJ/ DURING

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94*

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD (fib/cc)	Fibers/ mm ²	Fibers/ cc	Notes
0917-01 031436198-0001	IWA, MIDDLE/WEST DOOR	9/17/2014	610.00	<5.5	100	0.004	<7.01	<0.004	
0917-02 031436198-0002	IWA, HALLWAY-CENTER	9/17/2014	610.00	9.5	100	0.004	12.1	0.008	
0917-03 031436198-0003	OWA, DECON/ EXHAUST	9/17/2014	610.00	<5.5	100	0.004	<7.01	<0.004	
0917-FB01 031436198-0004	FIELD BLANK	9/17/2014		<5.5	100		<7.01		Field Blank
0917-FB02 031436198-0005	FIELD BLANK	9/17/2014		<5.5	100		<7.01		Field Blank

The results reported have been blank corrected as applicable.

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.25, 21-50 fibers = 0.22, 51-100 fibers = 0.18. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by EMSL. The test results contained within this report meet the requirements of NELAP unless otherwise noted. Results have been blank corrected as applicable. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC-IHLAP Accredited #102581, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 09/20/2014 10:14:50



EMSL Analytical, Inc.

307 West 38th Street, New York, NY 10018

Phone/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com>

manhattanlab@emsl.com

EMSL Order:	031436198
CustomerID:	MATX53
CustomerPO:	
ProjectID:	

Attn: **G. GILMORE**
Matrix New World Engineering
26 Columbia Turnpike
Florham Park, NJ 07932

Phone: (973) 240-1800
 Fax: (973) 240-1818
 Received: 09/19/14 10:33 AM
 Analysis Date: 9/20/2014
 Collected: 9/17/2014

Project: 12-243-08/ 71 LUDLOW AVE., NEWARK, NJ/ DURING

The samples in this report were submitted to EMSL for analysis by Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method, Revision 3, Issue 2, 8/15/94*. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date:	9/19/2014	Sample Receipt Time:	10:33 AM
Analysis Completed Date:	9/20/2014	Analysis Completed Time:	2:08 AM

Analyst(s):

Feng Liang PCM (5)

Samples reviewed and approved by:

James Hall, Laboratory Manager
or other approved signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.25, 21-50 fibers = 0.22, 51-100 fibers = 0.18. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.29. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by EMSL. The test results contained within this report meet the requirements of NELAP unless otherwise noted. Results have been blank corrected as applicable. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC-IHLAP Accredited #102581, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from 09/20/2014 10:14:50



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

031436198

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

Company: Matris New World		EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 26 Columbia Turn Pike		Third Party Billing requires written authorization from third party	
City: Florum Park	State/Province: NJ	Zip/Postal Code:	Country:
Report To (Name):		Telephone #:	
Email Address:		Fax #:	Purchase Order:
Project Name/Number: 12-243E-08		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail	
U.S. State Samples Taken:		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	

Turnaround Time (TAT) Options* – Please Check

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

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

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

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

Samplers Name: **Matt Sheldon** Samplers Signature: *Matt Sheldon*

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	SEE ATTACHED		
	Pleas e-mail results to ggilmore@matrixnewworld.com & msheldon@matrixnewworld.com		

Client Sample # (s): **0917-01 - 0917-FB02** Total # of Samples: **5**

Relinquished (Client): *Matt Sheldon* Date: **9/17/14** Time:

Received (Lab): *K. Marshall* Date: **9/18/14** Time: **10:33am**

Comments/Special Instructions:

031436198

Page 2 of 2

AIR SAMPLE DATA / CHAIN OF CUSTODY RECORD

Matrix New World Engineering
 120 Eagle Rock Avenue,
 East Hanover, N.J. 07936
 Phone: 973-240-1800
 Fax: 973-240-1818

Phase During

Rotometer No.: MTX-85
 Date of Last Calibration: 3/2/14
 Flow Rate Method: Primary or Secondary

Project Name:	Turnaround Time:		Analysis Requested:		fibers/ field	Limit of Detection	Results
	Site Location:	<input type="checkbox"/> Immediate <input type="checkbox"/> 6 HRS <input type="checkbox"/> 12 HRS <input type="checkbox"/> 24 HRS <input type="checkbox"/> 48 HRS <input type="checkbox"/> 72 HRS <input type="checkbox"/> Other	Asbestos PCMC TEM	Lead Mold			
Sampled By:	Initial / Final Flow Rate (LPM)	Ave Flow Rate (LPM)	Total Time (Minutes)	Total Volume (Liters)			
Date:	Time On/Time Off						
9/17/14	5.0 / 5.0	5.0	122	610			
0917-01	IWA, Middle/West Door		14:20 / 16:22				
0917-02	IWA, Hallway - Center		14:20 / 16:22				
0917-03	OWA, Deton / Exhaust		14:20 / 16:22				
0917-FB01	Field Blank						
0917-FB02	Field Blank						

12-243-08
 Project Manager: G. Gilmore

Relinquished By: Matt Sheldan
 Date: 9/17/14
 Time: _____

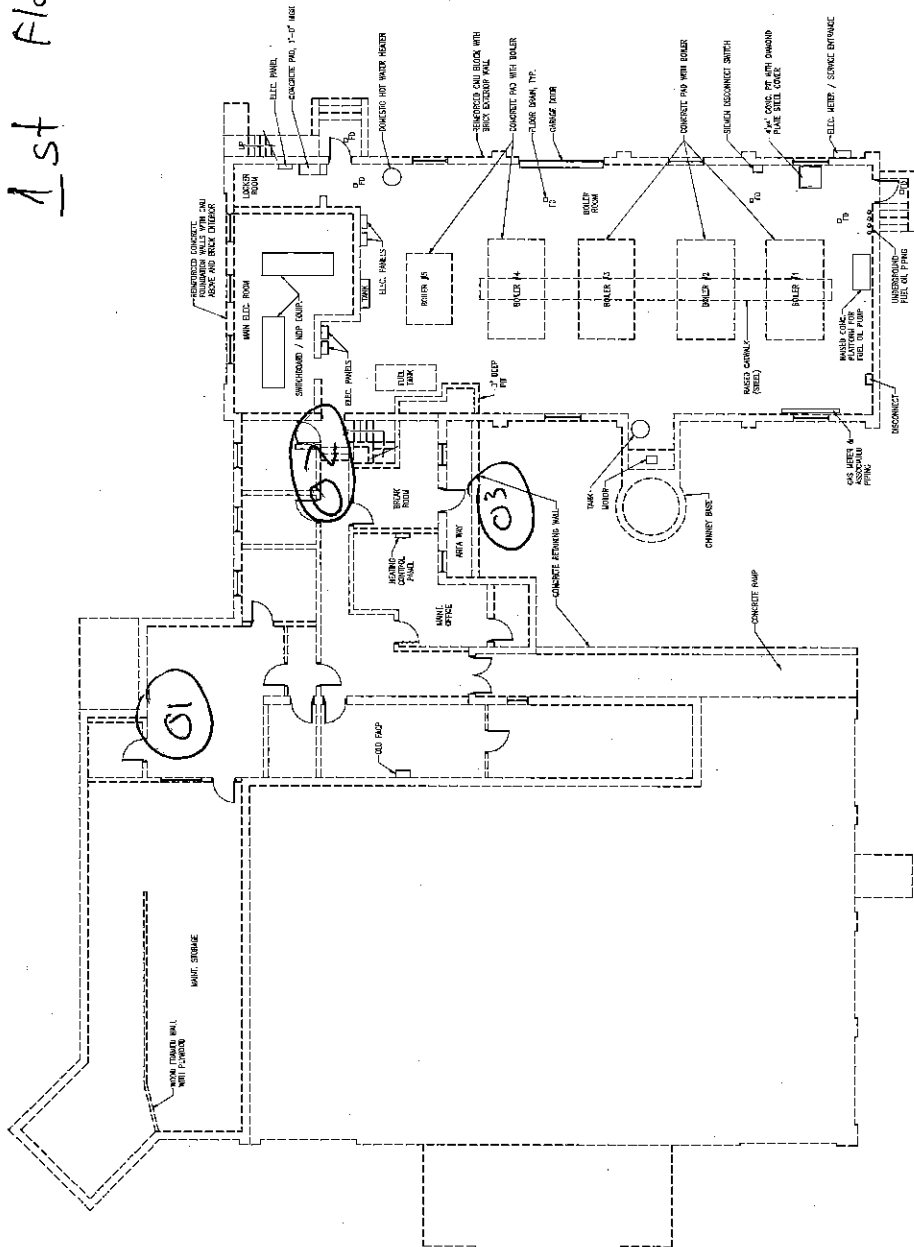
Received By: K. M...
 Date: 9/19/14
 Time: 10:33am

Analyst: [Signature]

9/17/14

Sample #'s 0917-##
1st Floor

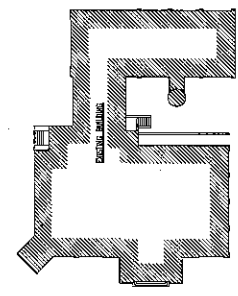
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100



DEMOLITION NOTES

EXISTING BUILDING

1. ALL DEMOLITION ARE APPROXIMATE.
2. ALL DEMOLITION SHALL BE PERFORMED IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
3. ALL DEMOLITION SHALL BE PERFORMED IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
4. ALL HAZARDOUS MATERIALS SHALL BE REMOVED IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.



KEY PLAN

SCALE: 1/8" = 1'-0"

A1.01

BASEMENT DEMOLITION PLAN

1/8" = 1'-0"

LAN ASSOCIATES
Engineering • Planning • Architecture • Surveying
445 BOONIN AVENUE, HIGHLAND PARK, N.J. 07748 (908) 477-8400

BASEMENT DEMOLITION PLAN
DEMOLITION OF OFFICE & CENTRAL BOILER BLDG. AT
71 LEONOW STREET, NEWARK, NJ
NEWARK, NEW JERSEY 07102
DATE: 2/27/14

REVISIONS

No.	Description	Date
1	ISSUED FOR PERMIT	2/27/14
2		
3		
4		
5		
6		
7		

PREPARED BY: KENNETH H. KARLE, P.A.
REGISTERED ARCHITECT

**EMSL Analytical, Inc.**

1056 Stelton Road, Piscataway, NJ 08854
 Phone/Fax: (732) 981-0550 / (732) 981-0551
<http://www.EMSL.com> piscatawaylab@emsl.com

EMSL Order: 051404226
 CustomerID: MATX53
 CustomerPO:
 ProjectID:

Attn: **Gavin Gilmore**
Matrix New World Engineering
26 Columbia Turnpike
Florham Park, NJ 07932

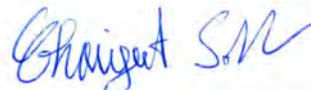
Phone: (973) 240-1800
 Fax: (973) 240-1818
 Received: 09/12/14 3:45 PM
 Analysis Date: 9/13/2014
 Collected: 9/12/2014

Project: 12-243-08 / 71 Ludlow Ave, Newark, NJ

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM)
Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Area Analyzed (mm ²)	Non Asb	Asbestos Type(s)	# Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						≥ 0.5μ < 5μ	≥ 5μ		(S/mm ²)	(S/cc)
0912-01 051404226-0001	IWA, North East Boiler Room	1200.00	0.0768	1	None Detected			0.0042	<13.00	<0.0042
0912-02 051404226-0002	IWA, North West Boiler Room	1210.00	0.0640	1	None Detected			0.0050	<16.00	<0.0050
0912-03 051404226-0003	IWA, Boiler Room Exterior Electric Room	1210.00	0.0640	0	None Detected			0.0050	<16.00	<0.0050
0912-04 051404226-0004	IWA, Middle Hallway	1210.00	0.0640	1	Chrysotile	1	1	0.0050	31.00	0.0099
0912-05 051404226-0005	IWA, Storage Room Entrance	1220.00	0.0640	0	Chrysotile	2	0	0.0049	31.00	0.0099

Analyst(s)
 Susan Pollack (5)


 Chaiyut Sae Lao, Laboratory Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. Results reported in both structures/cm3 and structures/mm2 are dependent on the volume of air sampled and measured by non-laboratory personnel are not the responsibility of EMSL and are not covered by the laboratory's NVLAP accreditation. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.
 Samples analyzed by EMSL Analytical, Inc. Piscataway, NJ NYS ELAP 11423, NVLAP Lab Code 101048-2, NJ NELAC 12037

Initial report from 09/13/2014 13:29:47



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody
EMSL Order Number (Lab Use Only):

051404226

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

Company: Matris New World		EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different	
Street: 26 Columbia Turn Pike		If Bill to is Different note instructions in Comments**	
City: Florum Park		Third Party Billing requires written authorization from third party	
State/Province: NJ	Zip/Postal Code:	Country:	
Report To (Name):		Telephone #:	
Email Address:		Fax #:	Purchase Order:
Project Name/Number:		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail	
U.S. State Samples Taken:		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	

Turnaround Time (TAT) Options* - Please Check

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

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

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

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

Samplers Name: Matt Sheldon Samplers Signature: Matt Sheldon

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	SEE ATTACHED		
*	Pleas e-mail results to ggilmore@matrixnewworld.com & msheldon@matrixnewworld.com		

Client Sample # (s): <u>0912-01</u>	- <u>FB02</u>	Total # of Samples: <u>13</u>
Relinquished (Client): <u>Matt Shelda</u>	Date: <u>9/12/14</u>	Time:
Received (Lab):	Date:	RECEIVED
Comments/Special Instructions:		

SEP 12 2014 3:45PM
 BY [Signature] W.T.
 EMSL PISCATAWAY

Matrix New World Engineering
 120 Eagle Rock Avenue,
 East Hanover, N.J. 07936
 Phone: 973-240-1800
 Fax: 973-240-1818

AIR SAMPLE DATA / CHAIN OF CUSTODY RECORD

051404226

Page 2 of 3

Phase Clearance

Rotometer No.:

Date of Last Calibration:

Flow Rate Method: Primary or Secondary

Project Name:	Site Location:	Sampled By:	Date:	Sample ID #	Location	Turnaround Time:		Initial / Final Flow Rate (LPM)	Ave Flow Rate (LPM)	Time On/ Time Off	Analysis Requested:		Limit of Detection	fibers/ field	Results
						Immediate	24 HRS				Asbestos	Lead Mold			
	71 Ludlow Ave. Newark, NJ	Matt Sheldon	9/12/14	0912-01	North West Boiler Room	10.0	10.0	10	9:55	11:55	120	1200			
				0912-02	North West Boiler Room	10.0	10.0	10	9:55	11:56	121	1210			
				0912-03	Boiler exterior Room electric Room	10.0	10.0	10	9:56	11:57	121	1210			
				0912-04	Middle Hallway	10.0	10.0	10	9:56	11:57	121	1210			
				0912-05	Storage Room Entrance	10.0	10.0	10	9:56	11:58	122	1220			
				0912-06	Decon Clean Room	10.0	10.0	10	12:26	14:28	122				
				0912-07	Middle lamp Exhaust	10.0	10.0	10	12:26	14:28	122				
				0912-08	S. Boiler Room Critical	10.0	10.0	10	12:26	14:28	122				
				0912-09	S. Boiler Room Exhaust	10.0	10.0	10	12:27	14:29	122				
				0912-10	N. Boiler Room waste ft.	10.0	10.0	10	12:27	14:29	122				

Requested By: Matt Sheldon Date: 9/12/14
 Time: 11:58

Received By: Volume Calculated by Lab. Date: _____
 Time: AZ 9/12/14

BY: EMSL PISCATAWAY

RECEIVED

SEP 12 2014

**EMSL Analytical, Inc.**

1056 Stelton Road, Piscataway, NJ 08854
 Phone/Fax: (732) 981-0550 / (732) 981-0551
<http://www.EMSL.com> piscatawaylab@emsl.com

EMSL Order: 051404375
 CustomerID: MATX53
 CustomerPO:
 ProjectID:

Attn: **Gavin Gilmore**
Matrix New World Engineering
26 Columbia Turnpike
Florham Park, NJ 07932


Phone: (973) 240-1800
 Fax: (973) 240-1818
 Received: 09/22/14 3:00 PM
 Analysis Date: 9/23/2014
 Collected: 9/22/2014

Project: 12-243-08 / 71 Ludlow Ave, Newark, NJ

Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM)
Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Area Analyzed (mm ²)	Non Asb	Asbestos Type(s)	# Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						≥ 0.5μ < 5μ	≥ 5μ		(S/mm ²)	(S/cc)
0922-01 051404375-0001	IWA, SW Office	1294.00	0.0640	0	None Detected			0.0046	<16.00	<0.0046
0922-02 051404375-0002	IWA, SW Outer Office	1294.00	0.0640	0	None Detected			0.0046	<16.00	<0.0046
0922-03 051404375-0003	IWA, Middle of Lower Hall	1294.00	0.0640	0	None Detected			0.0046	<16.00	<0.0046
0922-04 051404375-0004	IWA, Middle of Hall	1294.00	0.0640	0	None Detected			0.0046	<16.00	<0.0046
0922-05 051404375-0005	IWA, North End of Hall	1294.00	0.0640	0	None Detected			0.0046	<16.00	<0.0046

Analyst(s)
 Justin Senerchia (5)


 Nicholas Maslowski
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. Results reported in both structures/cm3 and structures/mm2 are dependent on the volume of air sampled and measured by non-laboratory personnel are not the responsibility of EMSL and are not covered by the laboratory's NVLAP accreditation. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.
 Samples analyzed by EMSL Analytical, Inc. Piscataway, NJ NYS ELAP 11423, NVLAP Lab Code 101048-2, NJ NELAC 12037, Philadelphia 289

Initial report from 09/23/2014 14:16:42



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

051404375

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

Company: Matris New World		EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 26 Columbia Turn Pike		Third Party Billing requires written authorization from third party	
City: Florum Park	State/Province: NJ	Zip/Postal Code:	Country:
Report To (Name):		Telephone #:	
Email Address:		Fax #:	Purchase Order:
Project Name/Number: 12-243-08		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail	
U.S. State Samples Taken:		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	

Turnaround Time (TAT) Options* - Please Check

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

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

PCM - Air <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA	TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input checked="" type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312	TEM - Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)
PLM - Bulk (reporting limit) <input type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)	TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5	Soil/Rock/Vermiculite <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> TEM Qual. via Filtration Technique <input type="checkbox"/> TEM Qual. via Drop-Mount Technique
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8µm <input type="checkbox"/> 0.45µm

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

Samplers Name: _____ Samplers Signature: _____

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	SEE ATTACHED		
	Pleas e-mail results to ggilmore@matrixnewworld.com & msheldon@matrixnewworld.com		

Client Sample # (s): 0922-01 - 0922-5B	Total # of Samples: 13
Relinquished (Client): Matt Sheldon	Date: 9/22/14
Received (Lab):	Date: _____ Time: 15:00
Comments/Special Instructions:	

RECEIVED
 SEP 22 2014 3PM
 BY: [Signature]
 EMSL PISCATAWAY

051404375

Page 2 of 3

AIR SAMPLE DATA / CHAIN OF CUSTODY RECORD

Matrix New World Engineering
120 Eagle Rock Avenue,
East Hanover, N.J. 07936
Phone: 973-240-1800
Fax: 973-240-1818

Phase Clearance

Rotometer No.: Mx-8
Date of Last Calibration: 8/21/14
Flow Rate Method: Primary or Secondary

Project Name:		Turnaround Time:		Analysis Requested:		12-243-08			
Site Location: 71 Ludlow Ave. Newark, NJ		<input type="checkbox"/> Immediate <input type="checkbox"/> 6 HRS <input checked="" type="checkbox"/> 12 HRS <input checked="" type="checkbox"/> 24 HRS <input type="checkbox"/> 48 HRS <input type="checkbox"/> 72 HRS <input type="checkbox"/> Other		Asbestos <input type="checkbox"/> PCM <input type="checkbox"/> (TEM) Lead <input type="checkbox"/> Mold <input type="checkbox"/>		Project Manager: G. Gilmore			
Sample ID #	Location	Initial / Final Flow Rate (LPM)	Ave Flow Rate (LPM)	Time On/ Time Off	Total Time (Minutes)	Total Volume (Liters)	fibers/ field	Limit of Detection	Results
9/22/14	IWA Sw. Office	10.0 9.90	9.95	9:35 11:45	130	1,294			
	IWA, Sw. order office	10.0 9.90	9.95	9:35 11:45	130	1,294			
	IWA, Middle of lower Hall	10.0 9.90	9.95	9:36 11:46	130	1,294			
	IWA, Middle of Hall	10.0 9.90	9.95	9:36 11:46	130	1,294			
	IWA, North end of Hall	10.0 9.90	9.95	9:36 11:46	130	1,294			
	Field Blank								
	Field Blank								RECEIVED
	Sealed Blank								SEP 22 2014
Disinquired By: <u>Matt Sheldon</u> Date: <u>9/22/14</u> Time: <u>15:00</u>								Received By: _____ Date: _____ Time: _____	
								BY: <u>EMSL PISCATAWAY</u>	

AIR SAMPLE DATA / CHAIN OF CUSTODY RECORD

Matrix New World Engineering
120 Eagle Rock Avenue,
East Hanover, N.J. 07936
Phone: 973-240-1800
Fax: 973-240-1818

Phase Cleanair

Rotometer No.: MYX-8
Date of Last Calibration: 8/21/14
Flow Rate Method: Primary or Secondary

Project Name:		Turnaround Time:			Analysis Requested:		12-243-08	
Site Location: 71 Ludlow Ave.		<input type="checkbox"/> Immediate <input type="checkbox"/> 6 HRS <input type="checkbox"/> 12 HRS <input checked="" type="checkbox"/> 24 HRS <input type="checkbox"/> 48 HRS <input type="checkbox"/> 72 HRS <input type="checkbox"/> Other			Asbestos		Lead Mold	
Sampled By: Matt Sheldon		Initial / Final Flow Rate (LPM)			Total Time (Minutes)		fibers/field	
Date:		Ave Flow Rate (LPM)			Time On/ Time Off		Limit of Detection	
9/22/14		10.0 / 9.90			11:55 / 14:05		Results	
0922-06		9.95			136		1,294	
0922-07		9.95			136		1,294	
0922-08		9.95			136		1,294	
0922-09		9.95			131		1,303	
0922-10		9.95			131		1,307	
Location		Time On/ Time Off			Total Volume (Liters)		Limit of Detection	
OWA Entrance		11:55 / 14:05			1,294		RECEIVED	
OWA Exhaust		11:55 / 14:05			1,294		RECEIVED	
OWA Critical window #1		11:55 / 14:05			1,294		RECEIVED	
OWA Work Route		11:55 / 14:06			1,303		RECEIVED	
OWA Critical window #2		11:55 / 14:06			1,307		RECEIVED	
Sample ID #		Initial / Final Flow Rate (LPM)			Total Time (Minutes)		fibers/field	
0922-06		10.0 / 9.90			136		1,294	
0922-07		9.95			136		1,294	
0922-08		9.95			136		1,294	
0922-09		9.95			131		1,303	
0922-10		9.95			131		1,307	
Location		Time On/ Time Off			Total Volume (Liters)		Limit of Detection	
OWA Entrance		11:55 / 14:05			1,294		RECEIVED	
OWA Exhaust		11:55 / 14:05			1,294		RECEIVED	
OWA Critical window #1		11:55 / 14:05			1,294		RECEIVED	
OWA Work Route		11:55 / 14:06			1,303		RECEIVED	
OWA Critical window #2		11:55 / 14:06			1,307		RECEIVED	
Sample ID #		Initial / Final Flow Rate (LPM)			Total Time (Minutes)		fibers/field	
0922-06		10.0 / 9.90			136		1,294	
0922-07		9.95			136		1,294	
0922-08		9.95			136		1,294	
0922-09		9.95			131		1,303	
0922-10		9.95			131		1,307	

Inquired By: Matt Sheldon Date: 9/22/14
Time: 15:00

Received By: _____ Date: EMSL PISCATAWAY
Time: _____

Analyst: _____

DATE	12/17/14
BY	KHL
REV	

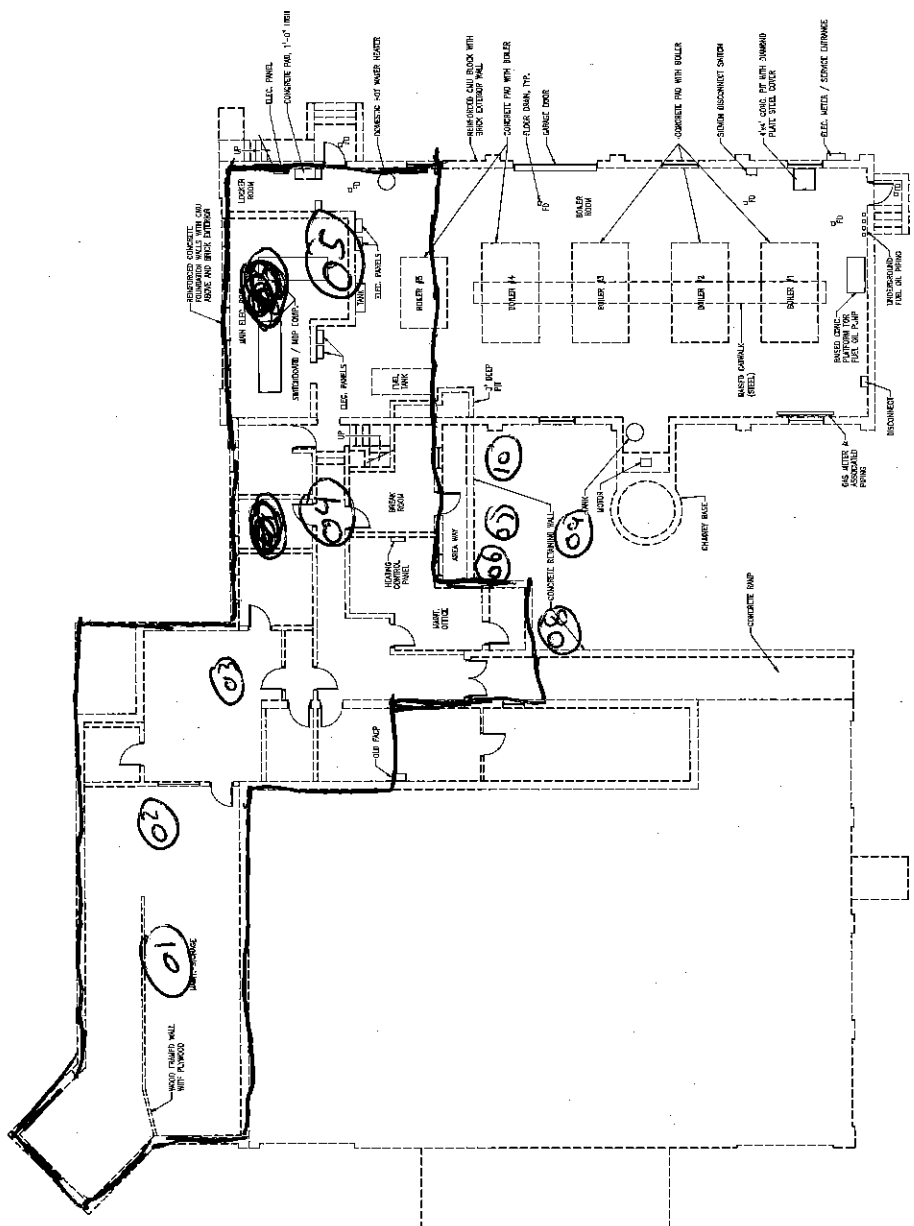
KENNETH H. KARLE P.A.
REGISTERED ARCHITECT
1575 HUNTERS ROAD
NORWOOD, NJ 07060

LAN ASSOCIATES
engineering • planning • architecture • surveying
430 BROWN AVE. SUITE 200A
ROSELAND, NJ 07068
TEL: 973-927-4800

DEMOLITION OF OFFICE & CENTRAL BOILER BLDG AT
71 LUDLOW STREET, NEWARK, NJ
NEWARK, NJ
12/17/14

A101
SCALE: 1/16"=1'-0"
KEY PLAN

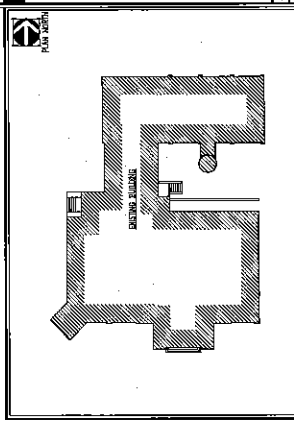
9/22/14 - First Floor TEM
Sample #'s 0922-##



DEMOLITION NOTES

GENERAL REMARKS:

1. ALL MEASUREMENTS ARE APPROXIMATE.
2. FIELD TO DIMENSIONS SHOWN FOR ITEMS THAT ARE TO BE DEMOLISHED.
3. THESE DIMENSIONS ARE FOR REFERENCE ONLY AND DO NOT REPRESENT THE EXISTING CONDITIONS. VERIFY ALL DIMENSIONS IN THE FIELD.
4. VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
5. VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
6. VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
7. VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.



BASEMENT DEMOLITION PLAN
SCALE: 1/16"=1'-0"