



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

041837324

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (856)858-4800
FAX: (856)858-1292

Company : Earthres Group, Inc.		EMSL-Bill to: <input type="checkbox"/> Same <input checked="" type="checkbox"/> Different If Bill to is Different note instructions in Comments** <i>Attached 3rd party</i>	
Street: 6912 Old Easton Road		Third Party Billing requires written authorization from third party form	
City: Pipersville	State/Province: PA	Zip/Postal Code: 18947	Country: USA
Report To (Name): Louis Vittorio		Fax #: 215-766-1245	
Telephone #: 215-766-1211		Email Address: lvittorio@earthres.com	
Project Name/Number: 061003.051			
Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Purchase Order: 3 rd Party Billing <input type="checkbox"/> U.S. State Samples Taken: PA			

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"/> 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"/> EPA Protocol (Semi-Quantitative) <input type="checkbox"/> EPA Protocol (Quantitative)
<input type="checkbox"/> TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input checked="" type="checkbox"/> Waste <input type="checkbox"/> Drinking		Other: <input type="checkbox"/>

Check For Positive Stop - Clearly Identify Homogenous Group

Samplers Name: Lfvicjd Samplers Signature: *Louis Vittorio / Jim Jordan*

Sample #	Sample Description	Volume/Area (Afr) HA # (Bulk)	Date/Time Sampled
1	Water Sample	1 Liter Aqueous	12/20 12:30
2	Water Sample	1 Liter Aqueous	12/20 12:30
3	Water Sample	1 Liter Aqueous	12/20 12:50
4	Water Sample	1 Liter Aqueous	12/20 1:05
5	Water Sample	1 Liter Aqueous	12/20 1:15

Client Sample # (s): 1-5 Total # of Samples: 5

Relinquished (Client): *Louis Vittorio* Date: 12/20/18 Time: 3:00pm

Received (Lab): *[Signature]* Date: 12/20/18 Time: 5:30pm

Comments/Special Instructions: *[Handwritten]*

5.82



EMSL Analytical, Inc.

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

EMSL Order ID: 041837324
Customer ID: ERG51
Customer PO:
Project ID:

Attn: Louis Vittorio
ERG (EARTHRES GROUP, INC.)
P.O. BOX 468
PIPERSVILLE, PA 18947

Phone: (215) 766-1245
Fax: (215) 766-1245
Received: 12/20/2018
Analyzed: 12/26/2018

Proj: 061003.051

Test Report: Determination of Asbestos Structures $\geq 0.5 \mu\text{m}$ & $> 10 \mu\text{m}$ in Water Performed by the 100.2 Method (EPA 600/R-94/134)

ASBESTOS

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm ²)	Area Analyzed (mm ²)	ASBESTOS					
					Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits	
1 041837324-0001	12/24/2018 10:00 AM	2	1360	0.2580	$\geq 0.5 \mu\text{m}$	Actinolite	1	2.60	2.60	0.07 - 15.00
					$> 10 \mu\text{m}$ only	None Detected	ND	2.60	<2.60	0.00 - 9.70
Collection Date/Time:					MFL (million fibers per liter)					
Due to excessive particulate the analytical sensitivity of 0.2 MFL as required by the method was not reached.										
2 041837324-0002	12/24/2018 10:00 AM	2	1360	0.2580	$\geq 0.5 \mu\text{m}$	Actinolite	3	2.60	7.90	1.60 - 23.00
					$> 10 \mu\text{m}$ only	None Detected	ND	2.60	<2.60	0.00 - 9.70
Collection Date/Time:					MFL (million fibers per liter)					
Due to excessive particulate the analytical sensitivity of 0.2 MFL as required by the method was not reached.										
3 041837324-0003	12/24/2018 10:00 AM	3	1360	0.2580	$\geq 0.5 \mu\text{m}$	None Detected	ND	1.80	<1.80	0.00 - 6.50
					$> 10 \mu\text{m}$ only	None Detected	ND	1.80	<1.80	0.00 - 6.50
Collection Date/Time:					MFL (million fibers per liter)					
Due to excessive particulate the analytical sensitivity of 0.2 MFL as required by the method was not reached.										
4 041837324-0004	12/24/2018 10:00 AM	0.50	1360	0.2580	$\geq 0.5 \mu\text{m}$	Actinolite	1	11.00	11.00	0.27 - 58.00
					$> 10 \mu\text{m}$ only	None Detected	ND	11.00	<11.00	0.00 - 39.00
Collection Date/Time:					MFL (million fibers per liter)					
Due to excessive particulate the analytical sensitivity of 0.2 MFL as required by the method was not reached.										

Analyst(s)
Sarah Richey (5)

Benjamin Ellis, Laboratory Manager
or Other Approved Signatory

Any questions please contact Benjamin Ellis.

Initial report from: 12/27/2018 00:25:15

Sample collection and containers provided by the client, acceptable bottle blank level is defined as $\leq 0.01\text{MFL} > 10\mu\text{m}$. ND=None Detected. This report may not be reproduced, except in full, without written permission by EMSL Analytical, Inc. The test results contained within this report meet the requirements of NELAC unless otherwise noted. This report relates only to the samples reported above. Samples received in good condition unless otherwise noted.
Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAC NJ DEP 03036, PA ID# 68-00367



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Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm ²)	Area Analyzed (mm ²)	ASBESTOS					
					Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits	
5 041837324-0005	12/24/2018 10:00 AM	2	1360	0.2580	$\geq 0.5 \mu\text{m}$ None Detected	ND	2.60	<2.60	0.00 - 9.70	
<i>Collection Date/Time:</i>					$> 10 \mu\text{m}$ only	None Detected	ND	2.60	<2.60	0.00 - 9.70

Due to excessive particulate the analytical sensitivity of 0.2 MFL as required by the method was not reached.

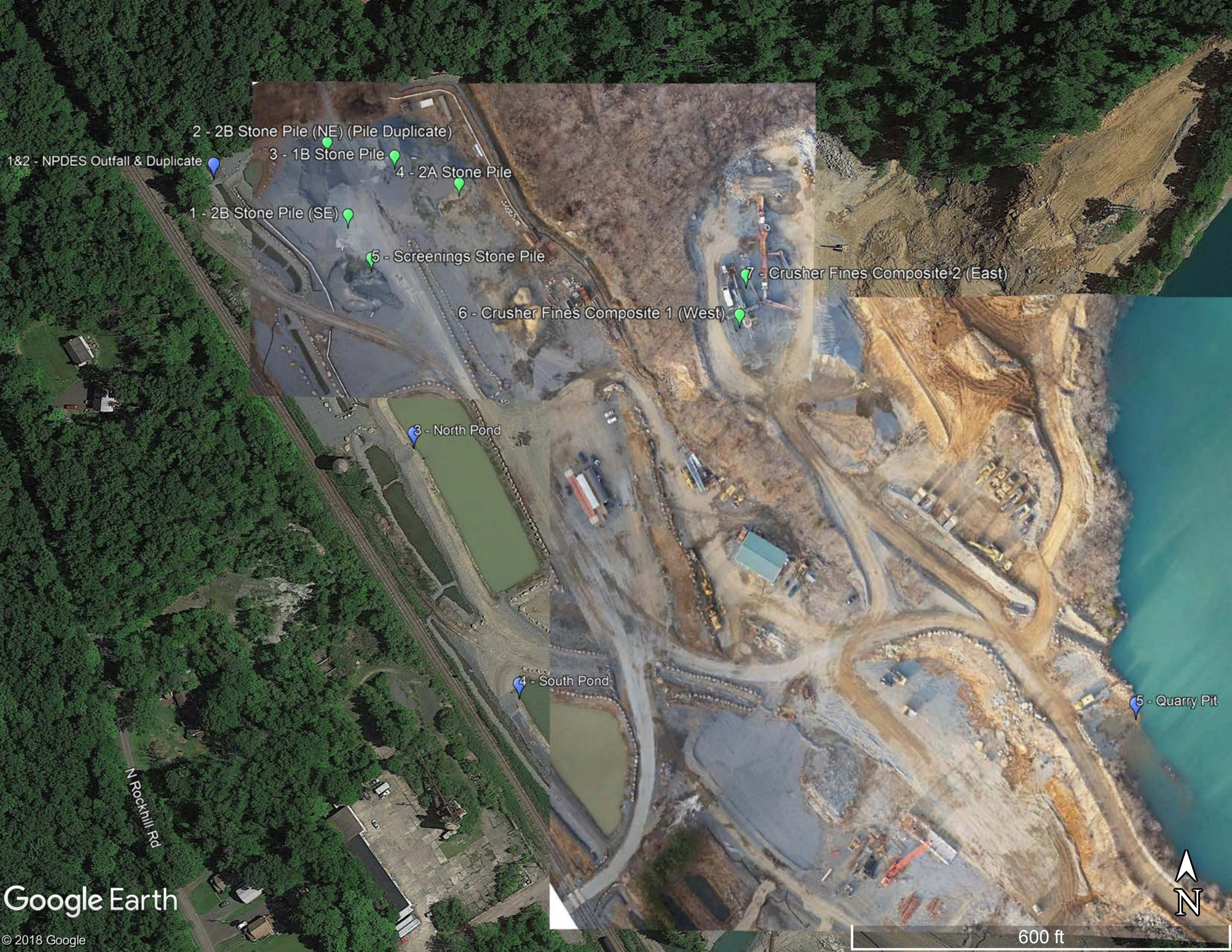
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2 - 2B Stone Pile (NE) (Pile Duplicate)

3 - 1B Stone Pile

4 - 2A Stone Pile

1 - 2B Stone Pile (SE)

5 - Screenings Stone Pile

6 - Crusher Fines Composite 1 (West)

7 - Crusher Fines Composite 2 (East)

3 - North Pond

4 - South Pond

5 - Quarry Pit

N Rockhill Rd

Google Earth

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600 ft

