



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: 041837322
Customer ID: ERG51
Customer PO:
Project ID:

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

Phone: (215) 766-1211
Fax: (215) 766-1245
Received: 12/20/2018 5:30 PM
Analysis Date: 12/21/2018
Collected:

Project: 061003.051

Test Report: Asbestos Analysis of Soils via EPA 600/R-93/116 Method using PLM and Milling Prep. Quantitation using 400 Point Count Procedure

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1 041837322-0001	Aggregate	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
2 041837322-0002	Aggregate	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
3 041837322-0003	Aggregate	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
4 041837322-0004	Aggregate	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
5 041837322-0005	Aggregate	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
6 041837322-0006	Aggregate	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
7 041837322-0007	Aggregate	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected

Analyst(s)

Andrew Castellano (7)

Benjamin Ellis, Laboratory Manager
or other approved signatory

Disclaimer: Some samples may contain asbestos fibers present in dimensions below PLM resolution limits. The limit of detection as stated in the method is 0.25%. EMSL Analytical Inc suggests that samples reported as <0.25% or none detected undergo additional analysis via TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval of EMSL Analytical Inc. This test report must not be used by the client to claim product endorsement by NVLAP or any agency of the United States Government. EMSL Analytical Inc., bears no responsibility for sample collection activities, analytical method limitations, or the accuracy of results when requested to separate layered samples. EMSL Analytical Inc., liability is limited to the cost of sample analysis. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from: 12/21/2018 16:32:33



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

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

041837322

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: Same Different *# attached 3rd*
 If Bill to is Different note instructions in Comments**
 Street: 6912 Old Easton Road Third Party Billing requires written authorization from third party
 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: Fax Email Purchase Order: 3rd Party Billing 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 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 - B (0.01% sensitivity) <input type="checkbox"/> EPA Protocol (Semi-Quantitative) <input type="checkbox"/> EPA Protocol (Quantitative) Other: <input checked="" type="checkbox"/> PLM by EPA/600/R-93/116 with Milling Prep Level A (100 PPM, 0.25% DL)
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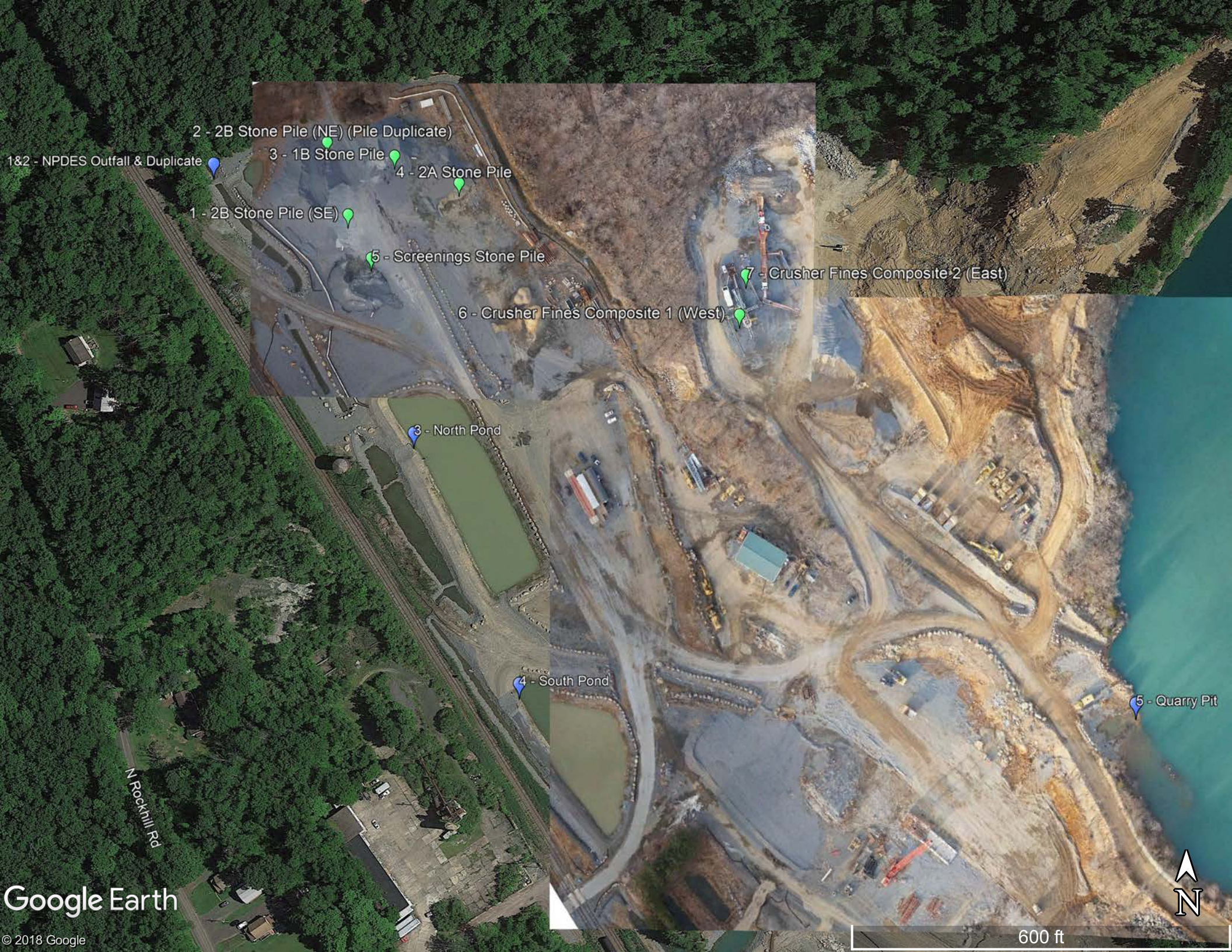
Check For Positive Stop - Clearly Identify Homogenous Group

Samplers Name: LFV/CJD Samplers Signature: *[Signature]*

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1	Aggregate	1 gallon zip lock	12/20 9:04
2	Aggregate	1 gallon zip lock	12/20 9:35
3	Aggregate	1 gallon zip lock	12/20 9:55
4	Aggregate	1 gallon zip lock	12/20 10:16
5	Aggregate	1 gallon zip lock	12/20 10:40
6	Aggregate	1 gallon zip lock	12/20 11:20
7	Aggregate	1 gallon zip lock	12/20 11:45

Client Sample # (s): 1 through 7 Total # of Samples: 7
 Relinquished (Client): *[Signature]* Date: 12/20/18 Time: 3:00 PM
 Received (Lab): *[Signature]* Date: 12/20/18 Time: 5:30 PM
 Comments/Special Instructions:

7RH



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

