



TTI ENVIRONMENTAL, INC
Consulting & Contracting

1253 North Church Street, Moorestown, NJ 08057
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October 30, 2017

Mr. Stephen J. Brennan, MBA, CPA
Business Administrator/Board Secretary
Pinelands Regional School District
520 Nugentown Road
Little Egg Harbor, New Jersey 08087

Reference: Asbestos Bulk Sampling
Pinelands Regional High School
TTI Project No. 17-1224

Dear Mr. Brennan:

On October 18, 2017, TTI Environmental, Inc.'s (TTI) United States Environmental Protection Agency (USEPA) Accredited Building Inspectors, Curt Sims (#ACC-1016-6-009) and Adam Culliton (#ACC-0617-6-006) collected bulk samples of the suspect ACBM from Annex playground area at the Pinelands Regional High School.

Laboratory analysis of the suspect ACBM revealed the following materials sampled (Table 1.0) to have an asbestos content of greater than one percent (1%). A complete summary of the materials sampled can be found in Attachment 1.0.

Table 1.0: Asbestos Testing Results Summary			
No.	Location	Material	Results
101817-07	Playground by Annex	Debris in Wood Chips	5% Chrysotile

TTI recommends removing all wood chips from playground area and replacing with new wood chips. TTI recommends cleaning all playground equipment and inspecting and cleaning the areas surrounding the building as well. TTI recommends this work be performed by a licensed asbestos abatement contractor.

If you should have any questions or require additional information, please feel free to contact me directly.

Sincerely,

TTI ENVIRONMENTAL, INC.


James A. Guilardi
Senior Project Manager



Bulk Sampling Results Summary				
Sample No.	Sample Location	Material	Asbestos Result	
			PLM	TEM
101817-01	Playground By Annex	Wood Chips – Top Layer	ND	
101817-02			ND	
101817-03			ND	
101817-04		Wood Chips – Bottom Layer	ND	
101817-05			ND	
101817-06			ND	
101817-07			Debris in Wood Chips	5% Chrysotile

NA: Not Analyzed; ND: None Detected
 The US Environmental Protection Agency (EPA) defines asbestos-containing materials as those materials that contain greater than 1% asbestos.



ATTACHMENT 1.0

SAMPLING DATA AND ANALYTICAL RESULTS

041730605

E-MAIL ALL RESULTS AND COC TO: ih-lab@titanv.com

PO# 023771

1253 North Church Street, Moorestown, NJ 08057
856-840-8800 Fax 856-840-8815



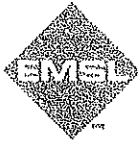
JFW TAT

PLM Sampling Data and Chain of Custody Record

PROJECT #: 17-1724	CLIENT: Pinelands Regional BOE	TIT PROJECT MANAGER:	<input checked="" type="radio"/> Jim Gullardi <input type="radio"/> Michael Stocku <input type="radio"/> Jeff Seaman
SAMPLER(S): A.Culleton	C.Sims	FACILITY: Pinelands Regional High School	DATE: 10-18-17
Sample #	Sample Location	Material Description	Sample Container
101817-01	Playground by ANNEX	Wood Chips - Top Layer	Whirl Pak
101817-02	↓	↓	↓
101817-03	↓	↓	↓
101817-04	Playground by ANNEX	Wood Chips - Bottom Layer	↓
101817-05	↓	↓	↓
101817-06	↓	↓	↓
101817-07	Playground by ANNEX	Debris in Wood Chips	↓

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	PO # 023771	JFW	Hour Turnaround Time	Stop First Positive
<i>[Signature]</i>	10-20-17	15:05	<i>[Signature]</i>	10-20-17	3:00				<input checked="" type="checkbox"/>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	NOB MATERIALS:			
						<input type="checkbox"/> Perform TEM analysis of 1 st sample in each homogeneous group. (Initials) _____ <input type="checkbox"/> For NOB samples with insufficient material for TEM analysis, please perform composite analysis using material from other samples in the same homogeneous group. (Initials) _____ <input type="checkbox"/> For NOB samples, please stop analysis when the following number of samples have been analyzed. _____ (Initials) _____ <input type="checkbox"/> Perform Composite Analysis on positive sheetrock/joint compound samples. (Initials) _____			

RECEIVED
EMSL
PINELANDS, N.J.
OCT 20 12 30 PM '17



EMSL Analytical, Inc.

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

EMSL Order: 041730605
Customer ID: TTIE54
Customer PO: 023771
Project ID:

Attention: Jim Guilardi
TTI Environmental Inc.
1253 North Church Street
Moorestown, NJ 08057
Phone: (856) 840-8800
Fax: (856) 840-8815
Received Date: 10/20/2017 3:00 PM
Analysis Date: 10/25/2017
Collected Date: 10/18/2017
Project: 17-1224 / Pinelands Regional BOE / Pinelands Regional High School

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
101817-01 041730605-0001	Playground by ANNEX - Wood Chips - Top Layer	Beige Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
101817-02 041730605-0002	Playground by ANNEX - Wood Chips - Top Layer	Tan/Beige Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
101817-03 041730605-0003	Playground by ANNEX - Wood Chips - Top Layer	Brown Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
101817-04 041730605-0004	Playground by ANNEX - Woods Chips - Bottom Layer	Brown/Black Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
101817-05 041730605-0005	Playground by ANNEX - Woods Chips - Bottom Layer	Brown/Black Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
101817-06 041730605-0006	Playground by ANNEX - Woods Chips - Bottom Layer	Brown/Black Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
101817-07 041730605-0007	Playground by ANNEX - Denris in Wood Chips	Brown/Gray/Black Fibrous Homogeneous	55% Cellulose 10% Glass	30% Non-fibrous (Other)	5% Chrysotile

Analyst(s)

Essie Spencer (5)
Quynh Vu (2)

Benjamin Ellis, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported 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 by the client to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
Samples analyzed by EMSL Analytical, Inc. Cinnaminson NJ NVLAP Lab Code 101048-0, AHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10072, NJ DEP 03036 PA ID# 68-00367

Initial report from: 10/25/2017 14:17:19