PROJECT REPORT

on the

INSPECTIONS, ON-SITE SUPERVISION AND AIR MONITORING

for the

PLAYGROUND MULCH CLEANUP PROJECT

conducted on

December 7 - 8 & 11 - 12, 2017

at

PINELANDS REGIONAL HIGH SCHOOL
Rainbow Express - Playground
565 Nugentown Road
Little Egg Harbor, New Jersey 08087

for

Pinelands Regional School District
520 Nugentown Road
Little Egg Harbor, New Jersey 08087

TTI Project No. 17-1224

December 20, 2017
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<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
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</tr>
<tr>
<td>II. SUMMARY AND CONCLUSIONS</td>
<td>4</td>
</tr>
</tbody>
</table>

## List of Appendices

- Appendix A: Air Sampling Data and Analytical Results
- Appendix B: Daily Inspection Reports
I. INTRODUCTION

Pinelands Regional School District (PRSD) requested the services of TTI Environmental (TTI) to provide oversight for the removal and clean-up of mulch from the playground located on the grounds of Pinelands Regional High School. The clean-up was performed in response to a site inspection and asbestos-testing of the playground mulch after an asbestos roof project was performed at the High School. During the visual inspection, one (1) small piece of roofing type material was discovered in the mulched area. Both the roof type material and the mulch was tested for asbestos via Polarized Light Microscopy (PLM) by a certified testing laboratory. The roof type material tested positive for asbestos. The mulch was non-detected for asbestos. As a precaution, TTI recommended the removal of mulch within the playground.

At the request of the PRSD, TTI was retained as the Environmental Consultant for the above referenced project to conduct the following:

- Provide an Environmental Technician to serve as on-site supervisor to ensure that the contractor adheres to project requirements.
- Conduct asbestos air sampling at the Pinelands Regional High School parking lot in addition to air sampling during removal of playground mulch and cleaning of equipment. Analysis was conducted using AHERA method 40 CFR 763 final rule by TEM. Results were compared to AHERA clearance limit of <70 s/mm2.

The following documentation is included in the appendices to document adherence to the project requirements during the project:

- Air Sampling Data and Analytical Results
- Daily Inspection Reports
II. SUMMARY AND CONCLUSIONS

The cleanup project summarized below was conducted in accordance with US Environmental Protection Agency (EPA) asbestos procedures and monitoring by TTI Environmental, Inc. (TTI).

Location: Pinelands Regional High School – Rainbow Express Playground
Abatement Contractor: Shade Environmental
Date(s) of Cleanup: December 7 - 8 & 11 - 12, 2017

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>TYPE OF ACM</th>
<th>ABATEMENT METHOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rainbow Express Playground</td>
<td>Mulch</td>
<td>Wet Method Cleanup/Removal</td>
</tr>
</tbody>
</table>

TTI conducted a final inspection within the work area for visible asbestos material on December 12, 2017. The work area was found to be in compliance with the project scope of work.

All project air sampling results analyzed by Transmission Electron Microscopy (TEM) yielded concentrations below the EPA 40 CFR Part 763 Final Rule Asbestos Hazard Emergency Response Act (AHERA) final clearance limit of <70 structures per millimeter squared (s/mm²). No asbestos fibers were detected in any of the samples collected near the work area during the mulch removal. In addition, PRSD requested air sampling for asbestos in the High School parking lot. TTI collected two (2) samples and both sample results for the parking lot were non-detected for asbestos.

James A. Guilardi
Senior Project Manager
APPENDIX A:

Air Sampling Data and Analytical Results

<table>
<thead>
<tr>
<th>Sample</th>
<th>Location</th>
<th>Volume (Liters)</th>
<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Type(s)</th>
<th>#Structures</th>
<th>Analytical Sensitivity (S/cc)</th>
<th>Asbestos Concentration (S/cc)</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-08</td>
<td>Near Annex Door 42</td>
<td>1225.00</td>
<td>0.0650</td>
<td>0</td>
<td>None Detected</td>
<td>0</td>
<td>0.0048</td>
<td>&lt;15.00</td>
</tr>
<tr>
<td>C-09</td>
<td>Inside Playground Fence at Side Road</td>
<td>1260.00</td>
<td>0.0650</td>
<td>0</td>
<td>None Detected</td>
<td>0</td>
<td>0.0047</td>
<td>&lt;15.00</td>
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<td>C-10</td>
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<td>1260.00</td>
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<td>&lt;15.00</td>
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<td>0</td>
<td>0.0047</td>
<td>&lt;15.00</td>
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<tr>
<td>C-12</td>
<td>Inside Room 176 - Graphics Lab</td>
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<td>0.0650</td>
<td>0</td>
<td>None Detected</td>
<td>0</td>
<td>0.0047</td>
<td>&lt;15.00</td>
</tr>
<tr>
<td>C-13</td>
<td>Near ANNEX Door 42</td>
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<td>0.0780</td>
<td>0</td>
<td>None Detected</td>
<td>0</td>
<td>0.0045</td>
<td>&lt;13.00</td>
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<tr>
<td>C-14</td>
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<td>1050.00</td>
<td>0.0780</td>
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<td>0.0047</td>
<td>&lt;13.00</td>
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<tr>
<td>C-15</td>
<td>Inside Playground Fence on D-Wing Side</td>
<td>1036.00</td>
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<td>&lt;13.00</td>
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<td>C-17</td>
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<td>0</td>
<td>None Detected</td>
<td>0</td>
<td>0.0047</td>
<td>&lt;13.00</td>
</tr>
</tbody>
</table>

**Analyst(s)**

Essie Spencer (10)

Benjamin Ellis, 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. EMSL is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. Samples received in good condition unless otherwise noted. The test results meet the requirements of NELAC unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.

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: 12/08/2017 16:15 PM

Printed: 12/8/2017 4:15:21PM
# Sampling Data and Chain of Custody Record

**Project #:** 17-1224  
**Client:** Pinelands Regional BOE  
**Facility:** Pinelands Regional HS - Playground  
**Sampling Date:** 12/7/17

<table>
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<tr>
<th>Sample #</th>
<th>Pump #</th>
<th>Sample Location</th>
<th>Times</th>
<th>Flow Rate</th>
<th>Total Volume</th>
<th>Fiber Count</th>
<th>Fiber Density</th>
<th>Fiber Concentration</th>
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<tr>
<td>C-08</td>
<td>003</td>
<td>Near ANNEX Door 42</td>
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<td>C-09</td>
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<td>Inside Playground Fence at Side Road</td>
<td>9:10</td>
<td>1210</td>
<td>185</td>
<td>20</td>
<td>0.019</td>
<td>0.001</td>
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<tr>
<td>C-10</td>
<td>11</td>
<td>Inside Playground Fence on D-Wing</td>
<td>9:15</td>
<td>1215</td>
<td>180</td>
<td>20</td>
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<td>0.001</td>
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<td>C-11</td>
<td>210</td>
<td>Outside Playground Fence Front of D-Wing</td>
<td>9:16</td>
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<td>20</td>
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<td>0.001</td>
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<td>C-12</td>
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<td>Inside Room 1760 - Graphics Lab</td>
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<td>179</td>
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<td>Outside Playground Fence Front of D-Wing</td>
<td>1215</td>
<td>1445</td>
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</table>

**Received by:**  
Date: 12/7/17  
Time: 4:50 PM  
**Comments:**  
e-mail all results and COC to: ih-lab@ttienv.com

**Laboratory Information:**  
**PO #:** 024  
Turn Around Time: 24 hours

---

**Analyst:**  
Date:  
Time:  
**Filter Manufacturer:** Xerox  
Lot #: 47257  
**FOR TEM ANALYSIS ONLY: DO NOT ANALYZE BLANKS**
**Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by**

**EPA 40 CFR Part 763 Appendix A to Subpart E**

<table>
<thead>
<tr>
<th>Sample</th>
<th>Location</th>
<th>Volume (Liters)</th>
<th>Area Analyzed (mm²)</th>
<th>Non Asb</th>
<th>Asbestos Type(s)</th>
<th>#Structures</th>
<th>Analytical Sensitivity (S/cc)</th>
<th>Asbestos Concentration (S/cc)</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-20</td>
<td>Near Container - 176 Entrance Outside Entrance</td>
<td>1295.00</td>
<td>0.0650</td>
<td>0</td>
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<td>0</td>
<td>0.0046</td>
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<tr>
<td>C-21</td>
<td>Inside Fence Playground at D-Wing</td>
<td>1288.00</td>
<td>0.0650</td>
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<td>None Detected</td>
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<td>0</td>
<td>0.0046</td>
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<tr>
<td>C-22</td>
<td>Inside Fence Playground Near Brick Pinelands Sign</td>
<td>1274.00</td>
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<td>None Detected</td>
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<tr>
<td>C-23</td>
<td>Inside Room 176 - Graphics Lab</td>
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<td>0.0047</td>
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<td>C-24</td>
<td>Outside Sidewalk at D-Wing by Parking</td>
<td>1200.00</td>
<td>0.0650</td>
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<td>C-25</td>
<td>Outside Front Entrance Area at Flagpole</td>
<td>1200.00</td>
<td>0.0650</td>
<td>0</td>
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<td>0</td>
<td>0</td>
<td>0.0049</td>
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<tr>
<td>C-26</td>
<td>Near Container - 176 Entrance Outside Entrance</td>
<td>1350.00</td>
<td>0.0650</td>
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<td>0</td>
<td>0</td>
<td>0.0044</td>
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<td>C-27</td>
<td>Inside Fence Playground at D-Wing</td>
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<td>0.0650</td>
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<td>1350.00</td>
<td>0.0650</td>
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<tr>
<td>C-29</td>
<td>Inside Room 176 - Graphics Lab</td>
<td>1350.00</td>
<td>0.0650</td>
<td>0</td>
<td>None Detected</td>
<td>0</td>
<td>0</td>
<td>0.0044</td>
</tr>
</tbody>
</table>

**Analyst(s)**

Ted Young (10)

Benjamin Ellis, Laboratory Manager or other approved signatory

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Initial report from: 12/09/2017 11:13 AM

ASB_TEMAHERA_0004_0001 Printed: 12/9/2017 11:13:36AM
## SAMPLING DATA AND CHAIN OF CUSTODY RECORD

**PROJECT #:** 22-1224  
**CLIENT:** Portland Regional BDE  
**CLIENT CONTACT:** A. Kuloian  
**FACILITY:** Portland Regional HS PlayGround  
**SAMPLING DATE:** 12-6-17

<table>
<thead>
<tr>
<th>SAMPLE #</th>
<th>PUMP #</th>
<th>SAMPLE LOCATION</th>
<th>TIMES</th>
<th>FLOW RATE</th>
<th>TOTAL VOLUME</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>START</td>
<td>STOP</td>
<td>INITIAL</td>
</tr>
<tr>
<td>C-20</td>
<td>11</td>
<td>Near Container/176 Entrance</td>
<td>0745</td>
<td>1050</td>
<td>185</td>
</tr>
<tr>
<td>C-21</td>
<td>59</td>
<td>Inside Fence Playground at Wing</td>
<td>0746</td>
<td>1050</td>
<td>184</td>
</tr>
<tr>
<td>C-22</td>
<td>210</td>
<td>Inside Fence Playground Near Brick Sign</td>
<td>0748</td>
<td>1050</td>
<td>182</td>
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<tr>
<td>C-23</td>
<td>69</td>
<td>Inside Room 176 - Graphics Lab</td>
<td>0750</td>
<td>1050</td>
<td>180</td>
</tr>
<tr>
<td>C-24</td>
<td>003</td>
<td>Outside Sidewalk at B-Wing by Parking</td>
<td>0805</td>
<td>1005</td>
<td>120</td>
</tr>
<tr>
<td>C-25</td>
<td>003</td>
<td>Outside Front Entrance Area at Flagpole</td>
<td>1015</td>
<td>1215</td>
<td>120</td>
</tr>
<tr>
<td>C-26</td>
<td>11</td>
<td>Near Container/176 Entrance</td>
<td>1230</td>
<td>1445</td>
<td>135</td>
</tr>
<tr>
<td>C-27</td>
<td>59</td>
<td>Inside Fence Playground at Wing</td>
<td>1230</td>
<td>1445</td>
<td>135</td>
</tr>
<tr>
<td>C-28</td>
<td>210</td>
<td>Inside Fence Playground Near Brick Sign</td>
<td>1231</td>
<td>1446</td>
<td>135</td>
</tr>
<tr>
<td>C-29</td>
<td>69</td>
<td>Inside Room 176 - Graphics Lab</td>
<td>1231</td>
<td>1446</td>
<td>135</td>
</tr>
<tr>
<td>C-30</td>
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<td>C-31</td>
<td></td>
<td>Blank</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

**Relinquished by:** (Signature)  
**Date:** 12-6-17  
**Time:** 5:10 PM  
**Comments:** all results and COC to: ih-lab@ttienv.com

**PO #:** 024067  
**Turn Around Time:** 24 h  
**FOR TEM ANALYSIS ONLY: DO NOT ANALYZE BLANKS

Sample | Location | Volume (Liters) | Area Analyzed (mm²) | Non Asb | Asbestos Type(s) | #Structures | Analytical Sensitivity (S/cc) | Asbestos Concentration (S/cc) |
--- | --- | --- | --- | --- | --- | --- | --- | --- |
01 | Inside Play Area - Center | 1110.00 | 0.0774 | 0 | None Detected | 0 | 0.0045 | <13.00 | <0.0045 |
02 | Fence Northside | 1104.00 | 0.0774 | 0 | None Detected | 0 | 0.0045 | <13.00 | <0.0045 |
03 | Inside Daycare - At exit #43 | 1850.00 | 0.0516 | 0 | None Detected | 0 | 0.0040 | <19.00 | <0.0040 |
04 | Daycare - Pillars adjacent to Dumpter | 1800.00 | 0.0516 | 0 | None Detected | 0 | 0.0041 | <19.00 | <0.0041 |

Analyst(s)

Garret Vliet (4)

Benjamin Ellis, Laboratory Manager
or other approved signatory

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<table>
<thead>
<tr>
<th>SAMPLE</th>
<th>PUMP</th>
<th>LOCATION</th>
<th>TIMES</th>
<th>FLOW RATE</th>
<th>TOTAL VOLUME</th>
<th>FIBER COUNT</th>
<th>FIBER DENSITY</th>
<th>FIBER CONCENTRATION</th>
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</thead>
<tbody>
<tr>
<td>01</td>
<td></td>
<td>Inside play area-center</td>
<td>8:30</td>
<td>3.0</td>
<td>3.0</td>
<td>3.0</td>
<td>3.0</td>
<td>1110</td>
</tr>
<tr>
<td>02</td>
<td></td>
<td>Fence Northside</td>
<td>6:10</td>
<td>2.8</td>
<td>2.8</td>
<td>2.8</td>
<td>2.8</td>
<td>1104</td>
</tr>
<tr>
<td>05</td>
<td></td>
<td>Inside daycare—at Exit 4</td>
<td>9:30</td>
<td>1.8</td>
<td>1.8</td>
<td>1.8</td>
<td>1.8</td>
<td>1850</td>
</tr>
<tr>
<td>04</td>
<td></td>
<td>Daycare pillars adj. to dumpster</td>
<td>5:40</td>
<td>1.8</td>
<td>1.8</td>
<td>1.8</td>
<td>1.8</td>
<td>1800</td>
</tr>
</tbody>
</table>

**Analyst:** (Signature)  
Date: 11-17  
Time: 

**Comments:**  
e-mail all results and COC to: ih-lab@ttienv.com

**PO #: 024064**  
**Turn Around Time:** 24 HR

FOR TEM ANALYSIS ONLY; DO NOT ANALYZE BLANKS
APPENDIX B:

Daily Inspection Reports
ASBESTOS SAFETY TECHNICIAN
DAILY INSPECTION REPORT

CLIENT: Pinelands Regional BOE
PROJECT NO.: 17-1224
PROJECT: Playground at HS/ANNEX
DATE: 12/17/17
DAY OF JOB: 1

ADDRESS: 570 Nagypoint Rd., Tuckerton, NJ
AST: Adam Callahan
SIGNATURE: 
ARRIVED ON SITE: 8:00 AM PM
LEFT SITE: 3:20 AM PM

LIST PERMITTED WORKERS AND AUTHORIZED VISITORS WITH TIMES

<table>
<thead>
<tr>
<th>NAME</th>
<th>PERMIT NUMBER</th>
<th>EXP DATE</th>
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<th>EXP DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thomas McGarvey</td>
<td>033461</td>
<td>2/12/18</td>
<td>Nicholas Terregino</td>
<td>10597</td>
<td>9/7/18</td>
</tr>
<tr>
<td>Brian Perez</td>
<td>038241</td>
<td>3/24/18</td>
<td>Felix Lux</td>
<td>035514</td>
<td>12/14/17</td>
</tr>
<tr>
<td>Matthew Ellick</td>
<td>037976</td>
<td>4/2/18</td>
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</tbody>
</table>

End

Phase of Abatement (Prep. Removal, Etc.): 
Work Area(s): Playground at HS/ANNEX
Scope of Work: Prep and Removal of Playground wood chips, wet wipe all playground equipment

Visitors: Jim Guillard: Representing: ITI Environmental
Time of Visit: 10:15
Comments: Visual visit to check status of work and prep of area.

Dumpster On Site: Yes ☑ No □
Pump Calibration Before Sample: No ☑ After ☑
Emergency Phone # On Site & Posted: ☐
Plans & Specs On Site: ☐
Amended Water Being Used: ☐
No. of Waste Bags Removed: N/A
No. of AFDs: ☐
Caution Signs Posted: ☐

<table>
<thead>
<tr>
<th>Smoke Test</th>
<th>&quot;H₂O&quot; Reading</th>
<th>Time</th>
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<tbody>
<tr>
<td>1</td>
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</tbody>
</table>

Smoke Tests and Manometer Readings

Decon Chambers/Shower: ☐
Electric Shut Down/GFCI Protected: Yes ☑ No □
HVAC Shut Down: Yes ☑ No □
Ventilation provided for Active Equipment: ☐
DAILY INSPECTION REPORT

Client: Pinedlands Regional BOE  
Project: Playground  
Project No.: 17-1224

Date: 02-27-17  
Shift: 
Page: 1 of 2

Area: Playground  
Activity: Prepare removal of mulch, Equipment Cleaning

0800 - Adam Callahan (TTI) arrives on site. I meet with Shade Environmental and discuss scope of work. They are going to prep area around playground using 6mil poly to protect surrounding areas outside mulch enclosure. Workers will use full PPE (Tyvek suits and Respirators) while working. Shade will use plenty of water to wet down mulch before bagging materials.

0925 - TTI finishes setting up air samples - see chain of custody.

Workers begin to start wetting and removal of mulch. Removal using 6mil bags and sealing up before transporting to container on site.

1015 - Jim Crileaud (TTI) arrives on site to check on work status and review with contractors other scope areas of work to be performed.

1105 - Shade is making good progress, they are using plenty of water to keep mulch wet and adding more to bagged materials prior to sealing them up. There is a slight wind blowing W/NW at approx 10-15 mph. There are no visible emissions noticed during work.

1200 - TTI was approached by a woman stating she was the mother of a student and inquired about the work being done. Informed her of the procedures and what tasks were being done by Shade and TTI. Woman began asking more questions about things not pertaining to scope of work and she was instructed to direct any and all other concerns or questions to the school district. Shade workers break for lunch at this time. Container has been locked and TTI remains on site to monitor equipment and work area.

1300 - Shade returns from break and resumes removal of mulch using plenty of water and bagging. Again, there are no visible emissions noticed.

1310 - TTI notices two (2) individuals approach fence area for playground.

SIGNATURE: [Signature]

12-27-17
**DAILY INSPECTION REPORT**

<table>
<thead>
<tr>
<th>Client:</th>
<th>Pinelands Regional BOE</th>
<th>Project:</th>
<th>Playground HS/ANNEX</th>
<th>Project No.: 17-1224</th>
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<tr>
<td>Date:</td>
<td>12-7-17</td>
<td>Shift:</td>
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<tr>
<td>Area:</td>
<td>Playground</td>
<td>Activity:</td>
<td>Prep and Removal of Mulch, Equipment Cleaning</td>
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</table>

1310:00 - to take pictures of workers and they are near TTI's sampling equipment. I began to approach them to inform them not to touch equipment but they quickly left the area. No words were exchanged.

1430: Shade informs me that they have run out of bags and cannot continue removal of mulch. They will switch to cleaning and wiping down playground equipment and relocating them to the areas where mulch was already removed.

1500: Shade finishes cleaning and packing up for day. Visual Inspection and photos taken of area before departure for day.

1520: TTI and Shade depart site.

See Chain of Custody for Air Sampling Data

See Log for Shade Employee Permits.

SIGNATURE: [Signature] 12-7-17
ASBESTOS SAFETY TECHNICIAN
DAILY INSPECTION REPORT

CLIENT: Pineland's Regional BOE
PROJECT NO.: 17-1224
PROJECT: Playground at HS/ANNEX
DATE: 12-8-17
DAY OF JOB: 2
ADDRESS: 590 Nagemtown Rd., Tuckerton, NJ
AST: Adam Calliton
SIGNATURE: Adam Calliton
ARRIVED ON SITE: 7:00 AM
LEFT SITE: 3:30 PM

LIST PERMITTED WORKERS AND AUTHORIZED VISITORS WITH TIMES

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<tbody>
<tr>
<td>Thomas McCoy Jr.</td>
<td>033661</td>
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<td>Nicholas Terregino</td>
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<td>Brian Perez</td>
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End

Phase of Abatement (Prep, Removal, Etc.): Possible
Work Area(s): Playground at HS/ANNEX
Scope of Work: Removal of Playground wood chips/mulch and clean playground

Visitors: Curt Sams
Representing: TTI Environmental
Time of Visit: 10:30 AM

Comments: Here on other business pertaining to dept inspections.

Dumpster On Site: Yes ☑ No □
Pump Calibration Before Sample: Yes ☑ After □
Emergency Phone # On Site & Posted: No □
Plans & Specs On Site: No □
Amended Water Being Used: Yes ☑
No. of Waste Bags Removed: N/A
No. of AFDs: N/A
Caution Signs Posted: Yes ☑

Smoke Tests and Manometer Readings:

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</table>

Decon Chambers/Shower: No □
Electric Shut Down/GFCI Protected: Yes ☑ No □
HVAC Shut Down: Yes ☑ No □
Ventilation provided for Active Equipment: No □
DAILY INSPECTION REPORT

Client: Pinelands Regional BOE
Project: Playground HS/ANNEX
Project No.: 17-1224

Date: 12-8-17
Shift: 
Page: 1 of 2

Area: Playground  Activity: Removal of Mulch, Cleaning of Equipment

0700 - Adam Calliton (TTI) arrives on site, Shade Environmental not yet on site. I walk around and inspect work areas - everything appears to be in the state it was when departed the day prior. Awaiting Shade’s arrival.

0715 - Shade arrives on site, we go over plans for the day and began to mobilize equipment. Shade will continue wearing full PPE while wetting down and bagging mulch. TTI logs Shade workers (see log report)

0830 - TTI and Shade discuss the length of grass in fenced area within the playground. Shade will wet down all grass areas, cut and bag then following the same procedures as mulch removal.

0910 - Shade takes break. It should be noted that workers for rooster (MHR) have been making comments towards Shade employees and harassing them verbally during work procedures.

0945 - Curt Sims (TTI) arrives on site. He is here to perform other tasks not pertaining to this scope of work.

1100 - Shade workers break for lunch, TTI remains on site to watch over area and equipment.

1200 - Shade workers return from break. They continue removal of mulch as per previous mentioned methods wearing full PPE. Container is almost full and they are running low on small poly bags. Shade will continue until container is completely full or they run out of bags. Mulch removal is approximately 90% complete. There are no visible emissions being noticed during removal procedures.

1430 - Shade has run out of room in container. TTI and Shade begin to collect, clean and pack up equipment for the day.

SIGNATURE: [Signature]
12-8-17
DATE: 12-8-17

(1530) Shade and TTI depart site for the day after site inspection. Forecast for upcoming weekends is for 3" to 8" of snow. Work will resume pending future outcome of weather.

- See Chain of Custody for Air Sampling Data.
- See Log for Shade Employee permits.
ASBESTOS SAFETY TECHNICIAN
DAILY INSPECTION REPORT

CLIENT: Elanda Regional School District
SITE: Elanda High School
DATE: Mon, 13-11-17
DAY OF JOB: 3

ABATEMENT CONTRACTOR: Shade Envirion.
ASTE: Mary Ann Lee TA
ARRIVED ON SITE: 7:00 AM PM
LEFT SITE: 3:30 AM PM

LIST PERMITTED WORKERS AND AUTHORIZED VISITORS WITH TIMES

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<td>Supreme Thomas McLean</td>
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<td>Supreme Thomas McLean</td>
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<td>Matthew Allred</td>
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<td>Francisco Catinael</td>
<td>085479</td>
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<td>Elmer Alvarez</td>
<td>085056</td>
<td>10-9-18</td>
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<td>085056</td>
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</tbody>
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Phase of Abatement & Method (Prep, Removal, Etc.): 

Abatement Method (Glovebag, Non-Friable, Etc.): 

Type & Amount of ACM: Contaminated Soil

Work Area(s): North Side of Childs Playarea

Scope of Work:

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<table>
<thead>
<tr>
<th>Dumpster On Site</th>
<th>Yes ☐ No ☐</th>
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<tr>
<td>Pump Calibration Before Sample</td>
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Decon Chambers/Shower ☐

Electric Shut Down/GFCI Protected Yes ☐ No ☐

HVAC Shut Down Yes ☐ No ☐

Ventilation provided for Active Equipment ☐
DAILY INSPECTION REPORT

Client: Pineslands E. E.  
Project: Pineslands H. S.  
Project No.: 17-1274

Date: 12-11-17  
Shift: 7 A.M.  
Page: 1 of

Area: Outside Child  
Activity: Clean up A.C.'s in mulch-

Sign Area

7:00 A.M.: T. T. I Environ & Shade Environ
Supervisor & 3 workers arrive on site. Acclimate entrance to school off loading dock.
Type of open entrance? See shade to take up.
Have site. at graphics Arts classroom.

7:45 A.M.: Supers & A try to get parents inside graphics Arts building. No lights or daylight throughout "Darwin." 3:25 T. I get up (3) now - all battery operated lights. Shade Environ every 1/2 yard large typo outlet, are shoveling mulch towards in spot. Close to northwest side of playground.

10:00 A.M. Note: Lynch Shade Environ. Technician arrives on site to check on job progress.

12:30 P.M. Mike and D. E. P arrive on site. Call Lynch & above all - procedures removal.

Methods they are using: Shovel dumpsters and throw fill in. Mr. Hudson inspection to check.
Shade Environ to their dumpsters at their shop using their equipment.

Delivered today old one picked up. Mr. Hudson also wants T. T. I to send some pictures from our past samples.

SIGNATURE: Mr. Jatta
**DAILY INSPECTION REPORT**

<table>
<thead>
<tr>
<th>Client: Englands Forest Dist.</th>
<th>Project: Cedar Knolls Mall</th>
<th>Project No.: 17-1224</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date: 12-14-17</td>
<td>Shift: 7AM - 3:30PM</td>
<td>Page: 2 of</td>
</tr>
<tr>
<td>Area: Child's Play Area</td>
<td>Activity: Removal of contaminated mulch</td>
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</tbody>
</table>

11:15 AM: Haul House 1 digestate site.
11:30 AM: Hand Clean - Fill Hydrant site.
1:00 PM: Shade continues. Cleaning - in northeast area of play area.
1:15 PM: All TP in play area collected. Shade has agreed. 30% left to remove temporarily in Northeast quarter of adjacent play area. Will also clean around outside perimeter.

3:30 PM: ITI - Shade digestate site.

Signature: [Signature]

**Notes:**
- 11:15 AM: Haul House 1 digestate site.
- 11:30 AM: Hand Clean - Fill Hydrant site.
- 12:35 PM: Shade continues. Cleaning of mulch (2000 pounds) - Stockpiling with snow-checker, mulch into digestate bags. - Aid sampled inside check dog center - Fill 100-gallon adj. dumpster collected.
- 1:00 PM: Shade continues. Cleaning - in northeast area of play area.
- 1:15 PM: All TP in play area collected. Shade has agreed. 30% left to remove temporarily in Northeast quarter of adjacent play area. Will also clean around outside perimeter.
- 3:30 PM: ITI - Shade digestate site.

**Signature:** [Signature]