October 13, 2020

Diana Kelley, CPPB
CIP Procurement Manager
Park Planning & Development
M-NCPPC, Department of Parks and Recreation, Prince George’s County
6600 Kenilworth Avenue, Riverdale, MD 20737

SUBJECT: Lead Testing Report for Prince George County Parks with Play Areas containing rubberized surfacing material. ALWE Project #20-8588-2

Dear Ms. Kelley:

Air, Land and Water Engineering, Inc. (ALWE) is pleased to submit this second report for lead testing at the following Prince George County Park’s address.

1. Walker Mill Regional Park: 8001 Walker Mill Road Capital Heights, MD 20743

SCOPE OF WORK:

1. Eight bulk samples of rubberized material were taken from the playground area. Four rubberized mulch samples and four samples of the base material were collected.
2. ALWE prepared this brief report with the attached results.

SAMPLING:

- On October 1, 2020, Mrs. Katherine Kong, a Maryland licensed lead inspector, collected 4 bulk samples of rubberized mulch and sent them to the laboratory for lead analysis.
- On October 6, 2020, Mrs. Kong collected 4 additional samples of the base material and sent them to the laboratory for lead analysis.

These 8 bulk samples were analyzed by Flame Atomic Absorption (FAA).

Prince George County Parks elected to use the U.S. Environmental Protection Agency’s standard for lead in bare soil in children’s play areas to evaluate the rubber bulk samples. This standard sets a limit of 400 parts per million (ppm) (or 0.04%).

RESULTS:

**Bulk Samples**

Bulk samples were collected of the mulch from areas around the PIP playground material. The four additional bulk samples were from the base material under the colored PIP rubber from an area where separation had occurred between two colors of rubberized material. All had results of less than 400 ppm of lead. See the attached figures for sample locations.
RECOMMENDATIONS AND CONCLUSIONS:

As reported in the first ALWE report for this playground (dated October 2, 2020), the results were below the 400 ppm standard. Based on these results the PIP playground does not pose a lead hazard.

Should you have any questions concerning this report, please call me at 410-997-0395.

Sincerely yours,

Laurence T. Brand, PE
Senior Engineer and Maryland licensed lead risk assessor.

Terms and limitations
ALWE has performed the Client requested tasks listed above in a thorough and professional manner consistent with commonly accepted standard industry practices. ALWE cannot guarantee and does not warrant that this LBP Testing has identified all adverse environmental factors and/or conditions affecting the subject property on the date of the inspection. ALWE cannot and will not warrant that the testing that was requested by the client will satisfy the dictates of, or provide a legal defense in connection with, any environmental laws or regulations. It is the responsibility of the client to know and abide by all applicable laws, regulations, and standards.

This inspection by ALWE is solely for the benefit of the client. The results and opinions in this report, based solely upon the conditions found on the property as of the date of the work, will be valid only as of the date of the inspection. ALWE assumes no obligation to advise the client of any changes in any real or potential lead hazards at this residence that may or may not be later brought to our attention.

All the professional opinions presented in this report are based solely on the scope of work conducted and sources referred to in our report. The data presented by ALWE in this report was collected and analyzed using generally accepted industry methods and practices at the time the report was generated. This report represents the conditions, locations, and materials that were observed at the time the field work was conducted. No inferences regarding other conditions, locations, or materials, at a later or earlier time may be made based on the contents of the report. No other warranty, express or implied is made. ALWE’s liability and that of its contractors and subcontractors, arising from any services rendered hereunder, shall not exceed the total fee paid by the client to ALWE for this project. This report was prepared for the sole use of our client. The use of this report by anyone other than our client or ALWE is strictly prohibited without the expressed prior written consent of ALWE. Portions of this report may not be used independent of the entire report.

Attachment: Test Results and Figures
Certificate of Analysis: Lead In Paint by EPA SW-846 7420 and 3050B*

<table>
<thead>
<tr>
<th>Lab Sample ID</th>
<th>Client Code</th>
<th>Sample Description</th>
<th>PPM</th>
<th>Result Lead (% by weight)</th>
<th>Calculated R L (% by weight)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5733601</td>
<td>M1</td>
<td>MUSHROOM AREA</td>
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<td>0.0009</td>
<td>0.0005</td>
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<td>5733602</td>
<td>M2</td>
<td>STEPS</td>
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<td>5733603</td>
<td>M3</td>
<td>BEHIND LEAF BENCH</td>
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<td>&lt;0.0008</td>
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<tr>
<td>5733604</td>
<td>M4</td>
<td>NEAR SOOFA</td>
<td>&lt;5</td>
<td>&lt;0.0005</td>
<td>0.0006</td>
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</table>

*Reporting Limit * For true values assume (2) significant figures. The method and batch QC is acceptable unless otherwise stated. Current EPA HUD Interim Standard for lead in paint samples is 6000 PPM (parts per million) or ug/l which is equivalent to 0.5% by weight. AAT internal sop 8200. The laboratory operates in accord with ISO 17025 guidelines and holds limited scopes of accreditation under AHA-LAP and NY State DOH ELAP programs. These results are submitted pursuant to AAT LLC current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. Analytical results relate to the samples as received by the lab. AAT will not assume any liability or responsibility for the manner in which the results are used or interpreted. Reproduction of this document other than in its entirety is not permitted. All quality control requirements for the samples this report contains have been met. AAT does not blank correct reported values. Sample data apply only to items analyzed. Samples are stored for 15 days following report date. *Validated modified method AHA-LAP Lab ID #10086, NY State DOH ELAP Lab ID #11064, State of Ohio Lab ID # 10042

Date Printed: 10/05/2020 4:16AM

AAT Project: 593501

Analyst Signature

Daniel Spence
<table>
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<tr>
<th>Sample</th>
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<th>Analyst</th>
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<td>5733601</td>
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<td>Lead Paint</td>
<td>10/02/2020</td>
<td>Daniel Spence</td>
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<tr>
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<td>Lead Paint</td>
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<td>Daniel Spence</td>
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<td>5733603</td>
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<td>Daniel Spence</td>
</tr>
</tbody>
</table>

Reviewed By

Quality Assurance Coordinator - Stephen Northcott
# Certificate of Analysis: Lead In Paint by EPA SW-846 7420 and 3050B

**Client:** Air Land and Water Engineering Inc.
10017 Hackberry Lane Suite 10
Columbia, MD 21046

**Attn:** Laurence Brand
**Email:** lbrand@airlandwater.com
**Phone:** 410 997-0395  
**Fax:** 734-641-1142

**Client Project:** 20-8588-2
**Project Location:** 8001 WALKER MILL RD

<table>
<thead>
<tr>
<th>Lab Sample ID</th>
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<tbody>
<tr>
<td>5745881</td>
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<td>WATE PARK AREA</td>
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<td>WINDMILL 3</td>
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</table>

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**Analyst Signature**

Elyse Bidle

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**AHA LAP- Lab ID #102866, NY State DOH ELAP- Lab ID #11864, State of Ohio- Lab ID # 10042**

**Date Printed:** 10/07/2020 5:42PM  
**AAT Project:** 594788
To: Air Land and Water Engineering Inc.
10017 Heckberry Lane Suite 10
Columbia, MD 21046

Attn: Laurence Brand
Email: lbrand@airlandwater.com
Phone: 410 997-0395

Project Location: 8001 WALKER MILL RD

AAT Project: 594788
Client Project: 20-8583-2
Date Reported: 10/7/2020 5:31:44PM

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<th>Analyst</th>
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<tbody>
<tr>
<td>5745881</td>
<td>B6</td>
<td>Lead Paint</td>
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<td>Lead Paint</td>
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<td>Elyse Bidle</td>
</tr>
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Reviewed By: Quality Assurance Coordinator - Stephen Northcott

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AIRA LAP-Lab ID #100966, NY State DOH ELAP-Lab ID #11884, State of Ohio-Lab ID # 10042

Date Printed: 10/07/2020 5:42PM AAT Project: 594788
Walker Mill Cre8Spray

PIP and Concrete Calcs

Approximate Curb Ln. Ft. (At 12" Width):
140

Approx. area circle “A”:
320

Approx. area circle “B”:
329

Approx. area circle “C”:
264