December 20, 2017

Mr. Bryan Kohart, P.E.
ReWa
561 Mauldin Road
Greenville, South Carolina, 29607

Re:  Asbestos and Lead-Based Paint Survey
Gilder Creek WRRF – RAS Pump Station Building No. 1
2824 East Georgia Road
Simpsonville, South Carolina
Terracon Project No. 86177249

Dear Mr. Kohart:

Terracon Consultants, Inc. (Terracon) is pleased to present the results of the asbestos and lead-based paint survey performed on the RAS Pump Station Building No.1 at the Gilder Creek WRRF located at 2824 East Georgia Road in Simpsonville, South Carolina. We understand that this survey was requested due to the planned demolition of the building. Our services were performed in general accordance with our Proposal No. P86177249 dated December 5, 2017.

Asbestos-containing materials (ACM) and lead-based paint (LBP) were not identified in samples of suspect materials collected during our survey. Please refer to the report for further details.

Terracon appreciates the opportunity to provide environmental consulting services to you on this project. If you should have any questions regarding this report, please contact the undersigned at (864) 292-2901.

Sincerely,

Terracon Consultants, Inc.

[Signatures]

Stephen N. Ellis
Staff Industrial Hygienist

George K. Flores, P.E.
Environmental Department Manager
Asbestos and Lead-Based Paint Survey Report

GILDER CREEK WRRF – RAS PUMP STATION BUILDING NO. 1
2824 EAST GEORGIA ROAD
SIMPSONVILLE, SOUTH CAROLINA

December 20, 2017
Terracon Project No. 86177249

Prepared for:
ReWa
Greenville, South Carolina

Prepared by:
Terracon Consultants, Inc.
Greenville, South Carolina

Inspected by:
Stephen N. Ellis
SC DHEC Asbestos Inspector No. BI-01211
Inspected on December 17, 2017
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EXECUTIVE SUMMARY

Terracon Consultants, Inc. (Terracon) conducted an asbestos and lead-based paint survey of the RAS Pump Station Building No.1 on the Gilder Creek WRRF located at 2824 East Georgia Road in Simpsonville, South Carolina. Our survey was conducted on December 7, 2017, in advance of the planned demolition of the building. This Executive Summary is intended as an overview for the convenience of the reader. The complete report must be reviewed in its entirety prior to making decisions regarding this site.

The asbestos-containing material (ACM) survey was performed by a South Carolina Department of Health and Environmental Control (SC DHEC) licensed asbestos building inspector in general accordance with the sampling protocols established in Environmental Protection Agency (EPA) 40 Code of Federal Regulations (CFR) 763 (Asbestos Hazard Emergency Response Act, AHERA) and the SC DHEC Regulation 61-86.1 Standards of Performance for Asbestos Projects.

ASBESTOS

A total of twelve (12) bulk samples were collected from the structure. A general layout with sample locations is included as Figure 1 in Appendix A. Sample descriptions, locations, analytical results, classification and estimated quantities are summarized in Table 1 in Appendix B. Copies of the asbestos laboratory analytical reports are included in Appendix C and photographic documentation is provided in Appendix E.

Based upon the laboratory data collected, ACM (>1% asbestos) were not identified in the subject structure.

It should be noted that samples of the block wall filler were analyzed to contain 0.73% anthophyllite. Materials containing less than 1% asbestos, while not considered asbestos per SC DHEC and EPA regulations, are subject to regulation by the Occupational Safety & Health Administration (OSHA). OSHA requires protection of any employees that may contact or disturb these materials. As such, Terracon recommends that a copy of this report be provided to the demolition contractor so that it may take the necessary steps to inform and protect its employees.

A copy of this report must be submitted to SC DHEC at least ten (10) working days prior to demolition when applying for a demolition permit.

LEAD

Four (4) areas of painted components were sampled and analyzed for lead content and the results are summarized in Table 2 in Appendix B. None of the coatings contained lead above analytical detection limits.
1.0 INTRODUCTION

Terracon Consultants, Inc. (Terracon) conducted an asbestos and lead based-paint survey of the RAS Pump Station Building No.1 at the Gilder Creek WRRF located at 2824 East Georgia Road in Simpsonville, South Carolina. Our survey was conducted December 7, 2017, in advance of the planned demolition of the structure and in general accordance with the terms of our Proposal No: P86177249 dated December 5, 2017. EPA regulation 40 CFR 61, Subpart M, National Emission Standards for Hazardous Air Pollutants (NESHAP), prohibits the release of asbestos fibers to the atmosphere during renovation/demolition activities. NESHAP requires that asbestos-containing materials (ACM) be identified, classified and quantified prior to planned disturbances or demolition activities.

The asbestos survey was conducted by a South Carolina Department of Health and Environmental Control (SC DHEC) licensed building inspector. Building components were surveyed and homogeneous areas of suspect ACM were visually identified and documented, if present. Although reasonable effort was made to survey and locate accessible suspect materials, additional suspect but un-sampled materials could be located in walls, in voids or in other concealed areas. No other facility structures were included in this survey.

2.0 BUILDING DESCRIPTION

The pump station building is a single-story structure of approximately 1,100 square feet. The building houses various un-insulated piping and pump equipment. It is constructed of concrete masonry units on a concrete foundation. The interior is finished with paint on the walls and ceiling, no other finishes were noted. Suspect caulking was noted around the exterior door frame. The roof system was a ballast covered built-up roof system over a concrete deck.

3.0 ASBESTOS SURVEY

The asbestos survey was conducted by Mr. Stephen N. Ellis, a SC DHEC licensed Asbestos Building Inspector (License No. BI-01211). A copy of his license is provided in Appendix D. The survey was conducted on December 7, 2017 and was performed in general accordance with the sampling protocols established by EPA Regulation 40 CFR 763 (AHERA) and SC DHEC R61-86.1. A summary of survey activities is provided below.
3.1 Regulatory Overview

An ACM is defined as any material containing asbestos of any type in an amount greater than one percent (1%). The asbestos NESHAP (40 CFR Part 61, Subpart M) regulates asbestos fiber emissions and asbestos waste disposal practices. It also requires the identification and classification of existing building materials prior to demolition or renovation activity. Under NESHAP, asbestos-containing building materials are classified as either friable, Category I non-friable or Category II non-friable ACM. Friable materials are those that, when dry, may be crumbled, pulverized or reduced to powder by hand pressure. Category I non-friable ACM includes packing materials, gaskets, resilient floor coverings and asphalt roofing products containing more than 1 percent (%) asbestos. Category II non-friable ACM are non-friable materials other than Category I materials that contain more than 1% asbestos.

Friable ACM, Category I and Category II non-friable ACM which is in poor condition and has become friable or which will be subjected to drilling, sanding, grinding, cutting or abrading and which could be crushed or pulverized during anticipated renovation/demolition activities are considered regulated ACM (RACM). RACM must be removed prior to renovation or demolition activities.

In the state of South Carolina, asbestos activities are regulated by the SC DHEC under SC DHEC Regulation 61-86.1 Standards of Performance for Asbestos Projects. SC DHEC requires that asbestos-related activities conducted in a public building be performed by personnel licensed by SC DHEC. The owner or operator must provide the SC DHEC with written notification of planned abatement and removal activities prior to the commencement of those activities. The SC DHEC requires a four (4) day notification for non-friable projects and 10 day notification for RACM projects. Asbestos abatement must be performed by SC DHEC-licensed asbestos abatement contractors. A SC DHEC-licensed Project Designer shall prepare a written abatement design for each abatement renovation project involving the removal of greater than 3,000 square, 1,500 linear, or 656 cubic feet of RACM. Third-party air monitoring must be conducted during the abatement of friable (regulated) ACM. The SC DHEC asbestos regulations can be found at http://www.SC DHEC.gov.

The Occupational Safety and Health Administration (OSHA) Asbestos Standard for Construction Industry (29 CFR 1926.1101) regulates workplace exposure to asbestos. The OSHA standard requires that employee exposure to airborne asbestos fibers be maintained below 0.1 asbestos fibers per cubic centimeter of air (0.1 f/cc). The OSHA standard classifies construction and maintenance activities, which could disturb ACM, and specifies work practices and precautions which employers must follow when engaging in each class of regulated work. A full copy of the OSHA asbestos standard for general industry may be found at OSHA’s website (www.osha.gov) and should be referenced for specific information.
3.2 Visual Assessment

Our survey activities began with visual observation of the interior and exterior of the RAS pump station structure to identify apparent homogeneous areas of suspect ACM. A homogeneous area consists of building materials, which appear similar throughout in terms of color, texture and date of application. Building materials which were not identified as concrete, glass, wood, masonry, metal or rubber were considered suspect ACM.

3.3 Physical Assessment

A physical assessment of each homogeneous area of suspect ACM was conducted to assess the friability and condition of the materials. A friable material is defined by the EPA as a material, which can be crumbled, pulverized or reduced to powder by hand pressure when dry. Friability was assessed by physically touching suspect materials.

3.4 Sample Collection

Based on our visual observations, bulk samples of suspect ACM were collected in general accordance with sample collection protocols as required by SC DHEC Regulation 61.86.1. Random samples of suspect materials were collected in each homogeneous area. Bulk samples were collected using wet methods, as applicable, to reduce the potential for fiber release. Samples were placed in sealable containers and labeled with unique sample numbers using an indelible marker.

3.5 Sample Analysis

Bulk samples were submitted using chain-of-custody procedures to Scientific Analytical Institute, Inc. (SAI) of Greensboro, North Carolina. SAI is accredited under the National Voluntary Laboratory Accreditation Program NVLAP (#200664-0). Asbestos analysis was performed by PLM with dispersion staining techniques per EPA EPA/600/R-93/116. The percentage of asbestos, where applicable, was determined by microscopical visual estimation. Per the SC DHEC Regulation 61-86.1 Standards of Performance for Asbestos Projects, negative results for non-friable organically bound (NOB) materials such as flooring, mastics, or roofing shall be verified with at least one TEM analysis. The additional analysis was performed by TEM in accordance with EPA Chatfield SOP 1988-02 Rev. 1.

3.6 Findings and Recommendations

A total of twelve (12) bulk samples were collected from the structure. A general layout with sample locations is included as Figure 1 in Appendix A. Sample descriptions, locations, analytical results, classification and estimated quantities are summarized in Table 1 in Appendix B. Copies of the laboratory analytical reports are included in Appendix C and photographic documentation is provided in Appendix D.
Asbestos (greater than one percent) was not detected in the samples collected.

A sample of the block wall filler was reported to contain less than 1% asbestos. (0.73% anthophyllite). Materials containing less than 1% asbestos, while not considered asbestos per SC DHEC and EPA regulations, are subject to regulation by OSHA. OSHA requires protection of any employees that may contact or disturb these materials. As such, Terracon recommends that a copy of this report be provided to the demolition contractor so that it may take the necessary steps to inform and protect its employees.

A copy of this report must be submitted to SC DHEC at least ten (10) working days prior to demolition when applying for a demolition permit.

It should be noted that suspect materials, other than those identified during the December 7, 2017, survey may exist within the structure. Should suspect materials other than those which were identified during this survey be uncovered prior to or during the upcoming project – or if the scope of the project changes to include materials which were not evaluated as part of this survey – those materials should be assumed to be asbestos-containing until sampling and analysis demonstrates otherwise.

Federal, state, and local regulations should be consulted before initiating any action on an ACM.

4.0 LEAD-BASED PAINT SURVEY

4.1 Regulatory Overview

As applicable to this project, lead is regulated by SC DHEC and OSHA. The SC DHEC regulates disposal and OSHA regulates lead exposure to workers. The SC DHEC regulations define lead-based paint (LBP) as paint, varnish, stain, or other applied coating that contains lead equal to or greater than 0.7 milligrams per square centimeter (mg/cm²), or 0.06% by dry weight as determined by laboratory analysis. The SC DHEC regulations require that LBP-coated demolition debris be disposed in a permitted Class II landfill. However, coatings that are de-laminated, deteriorated, or flaking must be evaluated against the Toxicity Characteristic under state and federal hazardous waste management regulations. Lead-based paint is defined in SC Regulation 61-107.9, “Solid Waste Landfills and Structural Fill.” The hazardous waste Toxicity Characteristic is defined in the SC Hazardous Waste Management Regulation 61-79, at § 261.24, “Toxicity Characteristic.”

For the purpose of the OSHA lead standard, lead includes metallic lead, inorganic lead compounds, and organic lead soaps. A synopsis of the OSHA regulations (29 CFR 1926.62) and the applicability are described below.
The OSHA Lead Standard for Construction (29 CFR 1926.62) applies to construction work where an employee may be occupationally exposed to lead. Work related to construction, alteration, or repair (including painting and decorating) is included. The lead-in-construction standard applies to any detectable concentration of lead in paint, as even small concentrations of lead can result in unacceptable employee exposures depending upon the method of removal and other workplace conditions. Under this standard, construction includes, but is not limited to, the following:

- Demolition or salvage of structures where lead or materials containing lead are present;
- Removal or encapsulation of materials containing lead;
- New construction, alteration, repair, or renovation of structures, substrates, or portions containing lead, or materials containing lead;
- Installation of products containing lead;
- Lead contamination/emergency clean-up;
- Transportation, disposal, storage, or containment of lead or materials containing lead on the site or location at which construction activities are performed; and,
- Maintenance operations associated with construction activities described above.

### 4.2 Sampling and Analytical Protocol

The LBP sampling was conducted by collecting random paint chip samples to assist the demolition contractor with determining potential engineering controls or other means to insure OSHA compliance during demolition efforts.

The paint samples were collected down to the surface substrate so as to include any underlying paint in the analysis. The random paint chip samples were selected based on current paint schemes and may not be inclusive of old paint systems covered with newer materials or paint systems. The paint chip samples were submitted to an American Industrial Hygiene Association Laboratory Approval Program (AIHA LAP) accredited laboratory (SAI) for analysis of lead by flame atomic absorption spectroscopy EPA Method No. SW-846 3050B/6010C/7420.

### 4.3 Findings and Recommendations

Four (4) areas of painted components were sampled and analyzed for lead content and the results are summarized in Table 2 in Appendix B. None of the four paint chip samples was reported to contain lead above analytical detection limits.
5.0 GENERAL COMMENTS

This survey was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same geographic locale. The results, findings, conclusions and recommendations expressed in this report are based on conditions observed during our survey of the building. The information contained in this report is relevant to the date on which this survey was performed, and should not be relied upon to represent conditions at a later date.

This report has been prepared on behalf of and exclusively for use by ReWA for specific application to their project, as discussed herein. Terracon does not warrant the work of regulatory agencies, laboratories or other third parties supplying information, which may have been used in the preparation of this report. No warranty, express or implied is made.

This report is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary.
Sample sets C & D were collected from the roof.
# TABLE 1

ASBESTOS RESULTS SAMPLE SUMMARY

GILDER CREEK WRRF - RAS PUMP STATION BUILDING NO. 1
2824 EAST GEORGIA ROAD
SIMPSONVILLE, SOUTH CAROLINA
TERRACON PROJECT NO. 86177249

<table>
<thead>
<tr>
<th>Sample Number</th>
<th>Analysis Method</th>
<th>Analytical Results</th>
<th>Sample Location</th>
<th>Sample Description</th>
<th>Homogeneous Area</th>
<th>Classification</th>
<th>Friable / Non-Friable</th>
<th>Current Condition</th>
<th>Potential for Disturbance</th>
<th>Estimated Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>PLM</td>
<td>0.73% Anthophyllite</td>
<td>Perimeter Walls</td>
<td>Block Wall Filler</td>
<td>A</td>
<td>Miscellaneous</td>
<td>Non-Friable</td>
<td>Damaged</td>
<td>PD</td>
<td>1,100 SF</td>
</tr>
<tr>
<td>A2</td>
<td>PLM</td>
<td>NAD</td>
<td>Exterior Door</td>
<td>Exterior Door Caulking</td>
<td>B</td>
<td>Miscellaneous</td>
<td>Non-Friable</td>
<td>Good</td>
<td>LPD</td>
<td>3 SF</td>
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<tr>
<td>A3</td>
<td>TEM</td>
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<tr>
<td>B1</td>
<td>PLM</td>
<td>NAD</td>
<td>Exterior Door</td>
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<tr>
<td>B2</td>
<td>PLM</td>
<td>NAD</td>
<td>Roof</td>
<td>Built-Up Roofing</td>
<td>C</td>
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<td>Good</td>
<td>LPD</td>
<td>560 SF</td>
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<td>TEM</td>
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<tr>
<td>C1</td>
<td>PLM</td>
<td>NAD</td>
<td>Roof</td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>C2</td>
<td>PLM</td>
<td>NAD</td>
<td>Flashing - NAD</td>
<td>Insulation - NAD</td>
<td></td>
<td></td>
<td></td>
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<td>C3</td>
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<td></td>
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<td>D1</td>
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<td>Flashing - NAD</td>
<td>Roof</td>
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<td></td>
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<td></td>
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</tr>
</tbody>
</table>

Notes:
1) Quantities listed above are estimates to be used for inspection purposes only and should be field-verified for all other uses.
2) Approximate sampling locations are depicted on Figure 1.

NA - Not Analyzed
NAD - No Asbestos Detected
PLM - Polarized Light Microscopy
TEM - Transmission Electron Microscopy
PACM - Presumed Asbestos Containing Material
LPD - Low potential for disturbance
PD - Potential for disturbance
PSD - Potential of significant disturbance
SF - square feet
LF - linear feet
CF - cubic feet
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<th>Sample ID No.</th>
<th>Area</th>
<th>Substrate</th>
<th>Component</th>
<th>Color</th>
<th>Lead Concentration (%)</th>
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<td>LP-1</td>
<td>Interior</td>
<td>Concrete</td>
<td>Perimeter Wall</td>
<td>Tan</td>
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</tr>
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<td>Block</td>
<td>Foundation Wall</td>
<td>Tan</td>
<td>&lt;0.006</td>
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<td>LP-3</td>
<td>Interior</td>
<td>Metal</td>
<td>Piping</td>
<td>Gray</td>
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<td>Metal</td>
<td>Piping</td>
<td>Red</td>
<td>&lt;0.005</td>
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</table>

Notes:
1) Values above the analytical method detection limit are indicated in bold type
2) Values equal to or greater than 0.060 percent are bolded and shaded
APPENDIX C
LABORATORY REPORTS
**Disclaimer:** Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of “None Detected” by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

---

### Bulk Asbestos Analysis

*By Polarized Light Microscopy*

**EPA Method:** 600/R-93/116 and 600/M4-82-020

**Customer:** Terracon  
72 Pointe Circle  
Greenville, SC 29615

**Attn:** Stephen Ellis  
George Flores

**Lab Order ID:** 1726214  
**Analysis ID:** 1726214_PLM  
**Date Received:** 12/8/2017  
**Date Reported:** 12/12/2017

**Project:** Gilder Creek Pump Station

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<tr>
<th>Sample ID</th>
<th>Description</th>
<th>Asbestos</th>
<th>Fibrous Components</th>
<th>Non-Fibrous Components</th>
<th>Attributes</th>
<th>Treatment</th>
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<tr>
<td>A1</td>
<td>Block Wall Filler</td>
<td>None Detected</td>
<td>3% Wollastonite</td>
<td>97% Other</td>
<td>Beige Non Fibrous Homogeneous</td>
<td>Crushed, Dissolved</td>
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<td>A2</td>
<td>Block Wall Filler</td>
<td>None Detected</td>
<td>3% Wollastonite</td>
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<td>Beige Non Fibrous Homogeneous</td>
<td>Crushed, Ashed</td>
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<td>Block Wall Filler</td>
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<td>B1</td>
<td>Exterior Door Caulking</td>
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<td></td>
<td>100% Other</td>
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<td>Crushed, Ashed</td>
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<tr>
<td>B2</td>
<td>Exterior Door Caulking</td>
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<td>100% Other</td>
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<tr>
<td>C1</td>
<td>Built-Up Roofing</td>
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<td>65% Fiber Glass</td>
<td>35% Other</td>
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<td>Built-Up Roofing</td>
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<td>65% Fiber Glass</td>
<td>35% Other</td>
<td>Black Fibrous Heterogeneous</td>
<td>Teased, Crushed</td>
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</tbody>
</table>
**Bulk Asbestos Analysis**

**By Polarized Light Microscopy**

EPA Method: 600/R-93/116 and 600/M4-82-020

---

**Customer:** Terracon  
72 Pointe Circle  
Greenville, SC 29615  

**Attn:** Stephen Ellis  
George Flores  

**Lab Order ID:** 1726214  
**Analysis ID:** 1726214_PLM  
**Date Received:** 12/8/2017  
**Date Reported:** 12/12/2017  

**Project:** Gilder Creek Pump Station

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<th>Sample ID</th>
<th>Description</th>
<th>Asbestos</th>
<th>Fibrous Components</th>
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<tr>
<td>D1 - A</td>
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<td>45% Fiber Glass</td>
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<tr>
<td>D1 - B</td>
<td>Flashing</td>
<td>None Detected</td>
<td>98% Cellulose</td>
<td>2% Other</td>
<td>Black Fibrous</td>
<td>Brown</td>
</tr>
<tr>
<td>1726214PLM_13</td>
<td>insulation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Heterogeneous</td>
</tr>
<tr>
<td>D2 - A</td>
<td>Flashing</td>
<td>None Detected</td>
<td>45% Fiber Glass</td>
<td>55% Other</td>
<td>Black Non Fibrous</td>
<td>Homogeneous</td>
</tr>
<tr>
<td>1726214PLM_11</td>
<td>flashing</td>
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<td></td>
<td></td>
<td></td>
<td>Crushed, Dissolved</td>
</tr>
<tr>
<td>D2 - B</td>
<td>Flashing</td>
<td>None Detected</td>
<td>98% Cellulose</td>
<td>2% Other</td>
<td>Brown Fibrous</td>
<td>Brown</td>
</tr>
<tr>
<td>1726214PLM_14</td>
<td>insulation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Heterogeneous</td>
</tr>
<tr>
<td>D3 - A</td>
<td>Flashing</td>
<td>Not Analyzed</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1726214PLM_12</td>
<td>flashing - TEM</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>D3 - B</td>
<td>Flashing</td>
<td>None Detected</td>
<td>98% Cellulose</td>
<td>2% Other</td>
<td>Brown Fibrous</td>
<td>Brown</td>
</tr>
<tr>
<td>1726214PLM_15</td>
<td>insulation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Heterogeneous</td>
</tr>
</tbody>
</table>

---

**Disclaimer:** Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of “None Detected” by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Heather Davide (15)

---

**Approved Signatory**  
Scientific Analytical Institute, Inc.  
4604 Dundas Dr. Greensboro, NC 27407  
(336) 292-3888  
Page 2 of 2
### Bulk Asbestos Analysis
by Transmission Electron Microscopy

**Semi-Quantitative**
Chatfield SOP 1988-02 Rev. 1

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Description</th>
<th>Organic (Wt. %)</th>
<th>Acid Sol. (Wt. %)</th>
<th>Asbestos</th>
<th>LCL-UCL (Wt. %)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lab Sample ID</td>
<td>Lab Notes</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>A-3</td>
<td>Block Wall Filler</td>
<td>27%</td>
<td>-</td>
<td>Anthophyllite</td>
<td>0.66% - 0.80%</td>
</tr>
<tr>
<td>1726375TBS_1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B-3</td>
<td>Exterior Door Caulking</td>
<td>68%</td>
<td>-</td>
<td>None Detected</td>
<td></td>
</tr>
<tr>
<td>1726375TBS_2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C-3</td>
<td>Built-Up Roofing</td>
<td>79%</td>
<td>-</td>
<td>None Detected</td>
<td></td>
</tr>
<tr>
<td>1726375TBS_3</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>D-3</td>
<td>Flashing</td>
<td>77%</td>
<td>-</td>
<td>None Detected</td>
<td></td>
</tr>
<tr>
<td>1726375TBS_4</td>
<td>flashing</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**Disclaimer:** This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government.

Russell Shelton (4)

Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407  (336) 292-3888

Page 1 of 1
<table>
<thead>
<tr>
<th>Sample Number</th>
<th>Data 1</th>
<th>Sample Description</th>
<th>Data 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>Block Wall Filler</td>
<td>PLM</td>
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<tr>
<td>A2</td>
<td>Block Wall Filler</td>
<td>PLM</td>
<td></td>
</tr>
<tr>
<td>A3</td>
<td>Block Wall Filler</td>
<td>TEM</td>
<td></td>
</tr>
<tr>
<td>B1</td>
<td>Exterior Door Caulking</td>
<td>PLM</td>
<td></td>
</tr>
<tr>
<td>B2</td>
<td>Exterior Door Caulking</td>
<td>PLM</td>
<td></td>
</tr>
<tr>
<td>B3</td>
<td>Exterior Door Caulking</td>
<td>TEM</td>
<td></td>
</tr>
<tr>
<td>C1</td>
<td>Built-Up Roofing</td>
<td>PLM</td>
<td></td>
</tr>
<tr>
<td>C2</td>
<td>Built-Up Roofing</td>
<td>PLM</td>
<td></td>
</tr>
<tr>
<td>C3</td>
<td>Built-Up Roofing</td>
<td>TEM</td>
<td></td>
</tr>
<tr>
<td>D1</td>
<td>Flashing</td>
<td>PLM</td>
<td></td>
</tr>
<tr>
<td>D2</td>
<td>Flashing</td>
<td>PLM</td>
<td></td>
</tr>
<tr>
<td>D3</td>
<td>Flashing</td>
<td>TEM</td>
<td></td>
</tr>
</tbody>
</table>

**Instructions:**
- Use Column "B" for your contact info
- To See an Example Click the bottom Example Tab.

**Enter samples between "<<" and ">>"**
- Begin Samples with a "<<" above the first sample and end with a ">>" below the last sample.
- Only Enter your data on the first sheet "Sheet1"
## Analysis for Lead Concentration in Paint Chips

by Flame Atomic Absorption Spectroscopy
EPA SW-846 3050B/6010C/7000B

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Description</th>
<th>Mass (g)</th>
<th>Concentration (ppm)</th>
<th>Concentration (% by weight)</th>
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</thead>
<tbody>
<tr>
<td>LP-1</td>
<td>Tan paint on concrete</td>
<td>0.0865</td>
<td>&lt; 46</td>
<td>&lt; 0.005%</td>
</tr>
<tr>
<td>1726216PBP_1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LP-2</td>
<td>Tan paint on block</td>
<td>0.0623</td>
<td>&lt; 64</td>
<td>&lt; 0.006%</td>
</tr>
<tr>
<td>1726216PBP_2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LP-3</td>
<td>Gray paint on piping</td>
<td>0.0680</td>
<td>&lt; 59</td>
<td>&lt; 0.006%</td>
</tr>
<tr>
<td>1726216PBP_3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LP-4</td>
<td>Red paint on piping</td>
<td>0.0749</td>
<td>&lt; 53</td>
<td>&lt; 0.005%</td>
</tr>
<tr>
<td>1726216PBP_4</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Unless otherwise noted blank sample correction was not performed on analytical results. Scientific Analytical Institute participates in the AIHA ELPAT program, ELPAT Laboratory ID: 173190. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. Analytical uncertainty available upon request. The quality control samples run with the samples in this report have passed all EPA required specifications unless otherwise noted. RL: (Report Limit for an undiluted 50ml sample is 4ug Total Pb).

Melissa Ferrell (4)
Analyst

Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 (336) 292-3888
### Contact Information

- **Company Name:** Terracon
- **Address:** 72 Painte Circle, Greenville, SC
- **Contact:** Stephen Ellis
- **Phone:**
- **Fax:**
- **Email:** stephen.ellis@terrancon.com
- **PO Number:**
- **Project Name/Number:** Gilder Creek Pump Station

### Billing/Invoice Information

- **Company:**
- **Address:**
- **Contact:**
- **Phone:**
- **Fax:**
- **Email:**

### Lead Test Types

- **Paint Chips by Flame AA (PBP)**
- **Soil by Flame AA (PBS)**
- **Other**
- **Wipe by Flame AA (PBW)**
- **Air by Flame AA (PBA)**

### Sample ID 

<table>
<thead>
<tr>
<th>Sample ID #</th>
<th>Description/Location</th>
<th>Volume/Area</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>LP-1</td>
<td>Tan Paint on Concrete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LP-2</td>
<td>Tan Paint on Block</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LP-3</td>
<td>Gray Paint on Piping</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LP-4</td>
<td>Red Paint on Piping</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Turn Around Times

<table>
<thead>
<tr>
<th>Time Interval</th>
<th>3 Hours</th>
<th>6 Hours</th>
<th>12 Hours</th>
<th>24 Hours</th>
<th>48 Hours</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>☐</td>
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<td>☐</td>
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</tr>
</tbody>
</table>

### Relinquished by

- **Date/Time:** 11-7-17 1600
- **Received by:**
- **Date/Time:** 12/18/10A

---

**Accepted** ☐

**Rejected** ☐

Total Number of Samples: **4**
APPENDIX D
PHOTO DOCUMENTATION
Photo #1  General view of the front of the building.

Photo #2  General view of the rear of the building.

Photo #3  General view of the right side of the building.

Photo #4  General view of the left side of the building.

Photo #5  Typical view of the piping and pump equipment. No insulation observed.

Photo #6  General view of the built-up roof system.
APPENDIX E
INSPECTOR’S CREDENTIAL
SCDHEC ISSUED
Asbestos ID Card

Stephen N Ellis

CONSULTBI BI-01211
AIRSAMPLER AS-00388

Expiration Date:
10/10/18
02/08/18