ADDENDUM NO. 2
AUGUST 28, 2017

Solicitation Title: Winson Water Treatment Plant Bid Package 1: Filter Rehabilitation

Solicitation No.: IFB No. 30-16-17 Opening Date: Wednesday, September 6, 2017 by 3:30PM (LOCAL TIME)

Attention all potential bidders:

☒ MUST Addendum: Read carefully and follow all instructions. Information included in this Addendum will have a material impact on the submittal for this solicitation. All “MUST” addenda are considered a matter of responsiveness. “MUST” addenda must be acknowledged on Form "A-5". Failure of a Submitter to acknowledge the addenda shall be cause for rejection of the bid.

To all prospective bidders, please note the following changes and clarifications:

1. The deadline for submittal of bids has been extended as follows:

   SUBMITTAL DEADLINE:
   THURSDAY, AUGUST 31, 2017 WEDNESDAY, SEPTEMBER 6, 2017 BY NO LATER THAN 3:30PM (LOCAL TIME)

2. Corrected revisions to Drawing M-21 are included as Attachment 1 of this addendum. These revisions replace Attachment 12 issued with the Addendum 1 issued on August 15, 2017.

3. A copy of the Pre-Demolition Asbestos Survey is included as Attachment 2 of this addendum.

4. A copy of the Lead Survey Report is included as Attachment 3 of this addendum.

Request for Information and or Questions/Clarification:

Q.1 “Would you accept the one (1) original and two (2) copies of the Bid on bid day with the one (1) digital copy on compact disk (CD) or USB Flash Drive submitted within (24) hours?”

A.1 All bids, hardcopies and digital copies should be submitted as one package by the submittal deadline stated above.

Q.2 “Please confirm that Form A4 form ‘Questionnaire Instructions’ does not need to be submitted with the bid.”
A.2  Form A-4 “Questionnaire Instructions” does not to be submitted for this Solicitation.

Q.3  “Plan E-08 – Could you please give a detailed description as to what conduits are existing and which are new.

A.3  Drawing E-08 is titled “Existing Single Line Diagram”. Hence, all conduits shown on this drawing are existing.

Q.4  “Plan E-05 – Need a detail of the grounding requirement required for notes 3, 4 & 5.”

A.4  Grounding details as listed in the specifications, shown on drawings, or listed in National Electric Code (NEC).

All grounding shall meet or exceed requirements listed in the NEC Article 250 with special attention to Part VI, “Equipment Grounding and Equipment Grounding Conductors” Section.

Additional details are provided in Specification Section 16450 titled “Grounding”. This section details some of the wire sizes and installation requirements for grounding equipment, instrumentation and motors.

It is the Contractor’s means and methods as to specific installation details that meet the above requirements.

List of Attachments:

- Attachment 1 – Corrected M-21 Drawing Revisions
- Attachment 2 – Pre-Demolition Asbestos Survey
- Attachment 3 – Lead Survey Report

For any other questions, clarification can be found in the specifications. All other terms, conditions and specifications remain unchanged for this solicitation.

End of Addendum
Attachment 1:
Drawing M-21 Revisions
Attachment 2:
Asbestos Pre-Demolition Survey
August 21, 2017
EE&G Project #: 2017-2524

Mr. Pierre-Louis Wisler
City of North Miami
776 NE 125th Street
North Miami, Florida 33161

Subject: Asbestos Pre-Demolition Survey
City of North Miami - Winson Water Treatment Plant
Filters 1-4 and Pipe Gallery Upgrades
12098 NW 11th Avenue
North Miami, Florida

Dear Mr. Wisler:

EE&G Environmental Services, LLC (EE&G) was retained by the City of North Miami (Client) to conduct an asbestos survey of the Winson Water Treatment Plant located at the above-referenced address. The survey was performed on August 15th, 2017, by Kevin Koester of EE&G (certified under the Asbestos Hazard Emergency Response Act, (AHERA). The purpose of this asbestos survey was to identify the presence, extent, and condition of asbestos-containing materials (ACM) that may be impacted as a result of planned demolition for compliance with the Environmental Protection Agency (EPA) National Emissions Standards for Hazardous Air Pollutants (NESHAP), Miami-Dade County and applicable State and Federal Guidelines.

SUMMARY

EE&G collected a total of six (6) samples of the following materials:

- Yellow pipe covering.
- Black pipe washer.

Asbestos was not found in amounts greater than 1% in the sampled materials and therefore are not considered to be ACM. See attached laboratory results.

INSPECTION METHODS

The specified filters and pipe gallery component materials as per the provided plans were inspected for suspect ACM, unless otherwise noted. Each observed suspect material was described and sampled. Samples were collected according to procedures established by EPA in 40 CFR 763.

Samples were sent to EMSL Analytical in North Miami Beach, Florida for analysis. Upon arrival at the laboratory, the samples were logged-in and stored for analysis. Analyses were performed using the polarized light microscopy (PLM) method of asbestos detection using guidelines and procedures established in the Method for the Determination of Asbestos in Bulk Building Materials (EPA-600/R-93-116 July, 1993). Results were provided as percent (%) asbestos by
volume. Samples found to contain greater than 1% asbestos were considered positive and listed as ACM.

**LIMITATIONS OF SURVEY**

This asbestos inspection report has been prepared by EE&G in a manner consistent with industry standards exercised by members of the profession practicing under similar conditions. No other warranty, expressed or implied is made. The intent of this survey report is to assist the owner or client in locating ACM. Under no circumstances is this survey to be utilized as a proposal or a project specification document without the expressed written consent of EE&G.

The survey was conducted to identify suspect ACM in accessible filter and pipe gallery component materials to be demolished. If other structures at this location are to be impacted during planned or future renovations, a separate asbestos survey of these areas will be required. Some ACM may not have been discovered due to inaccessibility or missing/incomplete plans. Suspect materials discovered subsequent to the issue of this survey report should be sampled and analyzed to determine asbestos content and to initiate appropriate responses.

Analyses were carried out by PLM. While the most commonly accepted analytical method for detecting asbestos in bulk materials, PLM is known to have limited resolution and may not detect extremely small asbestos fibers. Certain materials, notably vinyl floor tiles, may contain extremely fine asbestos fibers that are beyond the resolution of PLM.

EE&G’s interpretations and recommendations are based upon the results of sample collection and analyses in compliance with environmental regulations, quality control and assurance standards, and the scope of work as indicated in EE&G’s proposal. The results, conclusions, and recommendations contained in this report pertain to conditions observed at the time of the survey. Other conditions elsewhere in the subject building(s) may differ from those in the inspected/surveyed locations and, such conditions are unknown, may change over time, and have not been considered.

This report was prepared solely for the use of EE&G’s client, and is not intended for use by third party beneficiaries. The client shall indemnify and hold EE&G harmless against liability for loss arising out of or relating to reliance by a third party on work performed thereunder, or the contents of this report. EE&G will not be held responsible for the interpretation or use by others of data developed pursuant to the compilation of this report, or for use of segregated portions of this report.

**SURVEY AREA DESCRIPTION AND OBSERVATIONS**

The filter and pipe gallery was constructed of metal with a yellow covering and was rusting in many spots. The support pad was bare concrete.

EE&G reviewed Client provided plans (attached) in order to determine building materials likely to be impacted during the demolition of the filter and pipe gallery. Upon review, EE&G designed this survey to include and be limited to sampling of the pipe covering and piping components.
RESULTS

The results of the PLM analyses and assessment of suspect ACM are as follows:

**Asbestos-containing materials (ACM)**

ACM was not found in the materials sampled that may be impacted by the demolition.

**Nonasbestos-containing materials**

Asbestos was not detected in the following materials:

- Yellow pipe covering.
- Black pipe washer.

The original laboratory report is attached.

CONCLUSIONS AND RECOMMENDATIONS

ACM was not detected in the samples collected on the filters 1-4 and pipe gallery; therefore no further asbestos-related action is required at this time. See attachments for laboratory results, figures, and photographs.

If other specific areas at this WTP yard location are to be impacted during planned renovations or renovation, an asbestos survey of these areas will be required. Suspect materials discovered after this inspection should be sampled and analyzed to determine asbestos content and to initiate appropriate responses.

Notification to the Miami-Dade County Department of Regulatory and Economic Resources (DRER) of intent to abate/renovate is not necessary, however, the general contractor should have a copy of this survey at the site during the entire project as proof of compliance with 40 CFR 61 (NESHAP).
EE&G appreciates the opportunity to provide you and your organization with environmental consulting services. If you have any questions or require further clarifications, please do not hesitate to contact us at (305) 374-8300.

Sincerely,

Kevin Koester
Certified AHERA Building Inspector
EE&G

Attachments: Laboratory Report
              Figures
              Photographs
              Certificates

Reviewed by
Jay W. Sall, CIH
IH Practice Director, EE&G
Asbestos Consultant #AX0000011
PLM LABORATORY RESULTS

CNM WINSON WTP FILTERS14 SURVEY
**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

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Analyst(s)

Edgar Rodriguez (5)
Mary Hamel (1)

Kimberly Wallace, 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. N. Miami Beach, FL NVLAP Lab Code 200204-0

Initial report from: 08/16/2017 08:12:27
**BULK TRANSMITTAL FORM**

**CHAIN OF CUSTODY**

**CLIENT:** Miami-Dade County  
**CLIENT CONTACT:** Augustine Aire  
**PROJECT:** WTP  
**PROJECT NO./BILL GROUP:** 2017-2258  
**DATE COLLECTED:** 8-15-17  
**DATE SENT:** 8-15-17  
**STOP AT FIRST POSITIVE:** Y  
(circle one)

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**SAMPLE PREFIX**

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**CHAIN OF CUSTODY:**

**DATE/TIME**  
8-15-17 13:30

**PRINT NAME/SIGNATURE**  
Kovin Koster / John Doe

**PURPOSE**

C = Collection  T = Transportation  A = Analysis
Mr. Pierre-Louis Wisler
Attachments

FIGURES
CITY OF NORTH MIAMI
PUBLIC WORKS UTILITIES
WINSON WATER TREATMENT PLANT
BID PACKAGE 1: FILTER REHAB

VOLUME 2: DRAWINGS

PROJECT LOCATION:
12098 NORTHWEST 11th AVE
NORTH MIAMI, FLORIDA 33168

LOCATION MAP
DECEMBER 2016
BID SET
# LIST OF DRAWINGS

### Functional

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</table>
Mr. Pierre-Louis Wisler
Attachments

INSPECTION PHOTOGRAPHS
Mr. Pierre-Louis Wisler
Attachments

**Photo 1:** Pipes to be removed at the Winson WTP at Filters 1-4

**Photo 2:** NonACM green/ yellow pipe covering
Photo 3: Filtering area, NonACM black pipe washer sampled

Photo 4: NonACM Green/ yellow pipe covering sampled
CERTIFICATES
Asbestos Consulting & Training Systems

900 N.W. 5TH Avenue, Fort Lauderdale, Florida 33311
(954) 524-7208

This is to Certify that

Kevin Koester

has successfully completed an English

Asbestos Building Inspection Refresher

17-Feb-17 TO 17-Feb-17

Meets state requirements of FL49-0001020/CN-0006273 and UT (6.0 core).

NDAAC Provider #451 Trainer(s): Mark Knick
Training Address: 900 NW 5 AV, Fort Lauderdale, FL, 33311

Successful course completion based on exam score on: 02/17/17

James F. Stump, Course Sponsor

Certificate Number: 171164

Course Number: SE1707

This Certificate Expires:

17-Feb-18 02 / 17 / 18
United States Department of Commerce
National Institute of Standards and Technology

NVLAP

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200204-0

EMSL Analytical, Inc.
N. Miami Beach, FL

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).

2017-04-01 through 2018-03-31

Effective Dates
SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

EMSL Analytical, Inc.
Skylake Executive Industrial Park
19501 N.E. 10th Ave., Bay A
N. Miami Beach, FL 33179
Ms. Kimberly A. Wallace
Phone: 305-650-0577  Fax: 305-650-0578
Email: kwallace@emsl.com
http://www.emsl.com

ASBESTOS FIBER ANALYSIS

Bulk Asbestos Analysis

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Airborne Asbestos Analysis

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SALL, JAY WALTER  
EE & G ENVIRONMENTAL SERVICES LLC  
5751 MIAMI LAKES DRIVE  
MIAMI LAKES  FL 33014

Congratulations! With this license you become one of the nearly one million Floridians licensed by the Department of Business and Professional Regulation. Our professionals and businesses range from architects to yacht brokers, from boxers to barbeque restaurants, and they keep Florida’s economy strong.

Every day we work to improve the way we do business in order to serve you better. For information about our services, please log onto www.myfloridalicense.com. There you can find more information about our divisions and the regulations that impact you, subscribe to department newsletters and learn more about the Department’s initiatives.

Our mission at the Department is: License Efficiently, Regulate Fairly. We constantly strive to serve you better so that you can serve your customers. Thank you for doing business in Florida, and congratulations on your new license!

DETACH HERE

RICK SCOTT, GOVERNOR  
KEN LAWSON, SECRETARY

STATE OF FLORIDA  
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION  
ASBESTOS LICENSING UNIT

LICENSE NUMBER  
AX0000011

The ASBESTOS CONSULTANT  
Named below IS LICENSED  
Under the provisions of Chapter 469 FS.  
Expiration date: NOV 30, 2018

SALL, JAY WALTER  
EE & G ENVIRONMENTAL SERVICES LLC  
2922 FLAMINGO DRIVE  
MIAMI BEACH  FL 33140

ISSUED: 10/25/2016  
DISPLAY AS REQUIRED BY LAW  
SEQ # L1610250005421
Attachment 3:
Lead Survey Report
August 25, 2017
EE&G Project No. 2017-2524

Mr. Pierre-Louis Wisler
City of North Miami
776 NE 125th Street
North Miami, Florida 33161

Subject: Pre-Demolition Lead Paint Survey Report
City of North Miami - Winson Water Treatment Plant (WTP)
Filters 1-4 and Pipe Gallery Upgrades
12098 NW 11th Avenue
North Miami, Florida

Dear Mr. Wisler:

At the request of the City of North Miami Public Works (Client), EE&G Environmental Services, LLC (EE&G) conducted an assessment for the presence of lead in the painted surfaces of the Winson WTP scheduled for demolition/renovations at the above-mentioned address as per the scope of work provided by the client (Attached).

METHODS

The inspection areas, identified by the Client’s on site representative were visually inspected and representative paint chips samples were collected from painted surfaces or coatings likely to be impacted on Filters 1-4 and piping gallery based on component type and substrate.

The sampling was conducted by physically removing a section of paint and done to minimize the introduction of the substrate material into the samples. The samples were delivered to EMSL Laboratory, Inc. (EMSL) located in Cinnaminson, New Jersey. EMSL is an American Industrial Hygiene Association (AIHA) accredited laboratory in environmental lead for analysis by Flame AAS (Method SW 846, 7420) for total lead concentrations. The results were provided in percent by weight (% wt.).

The United States Environmental Protection Agency (EPA) defines lead based paint (LBP) as paint or coatings with a result at or greater than 1.0 mg/cm², 0.5 %/Wt. or 5,000 parts per million when measured by Flame AAS. The Occupation Safety and Health Administration (OSHA) considers measurable quantities of lead in paints and coatings to be lead-containing. Due to the potential for lead dust to be generated or migrate beyond the work area during renovation/demolition activities, both the EPA and OSHA criteria were used to interpret data.

The EPA’s Lead Renovation, Repair and Painting Rule (RRP Rule) guides contractors who will be conducting activities that will impact LBP but is not intended to be used to abate, mitigate or completely remove lead-containing materials. Those activities are regulated in the Toxic Substances Control Act (TSCA) sections 402/404.
LIMITATIONS

This sample analysis letter report has been prepared by EE&G in a manner consistent with industry standards exercised by members of the profession practicing under similar conditions. No other warranty, expressed or implied is made. The intent of this survey was to assist the Client in identifying lead in paint, as defined by the EPA as well as OSHA. Should renovation/demolition plans change from that stated in this report or if work shall impact other building components which were not sampled during this limited survey, the contractor should not impact said building materials until the materials are sampled. Under no circumstances is this letter to be utilized as a proposal or a project specification document without the expressed written consent of EE&G.

EE&G’s interpretations and recommendations are based upon the results of the sample analyses in compliance with environmental regulations, and information provided to EE&G by the Client.

This report was prepared solely for the use of EE&G’s client, City of North Miami Public Works and is not intended for use by third party beneficiaries. The client, and shall indemnify and hold EE&G harmless against liability for loss arising out of or relating to reliance on by third party work performed thereunder, or the contents of this report. EE&G will not be held responsible for the interpretation or use by others of data developed pursuant to the compilation of this report, nor for use of segregated portions of this report.

FINDINGS

EE&G collected 10 representative paint chips. Results of the laboratory analysis are as follows:

Filters 1-4 and Piping Gallery:

- Blue paint on piping. < 0.20 % wt.
- Blue paint on piping. <0.018% wt.
- Red paint on piping. <0.015% wt.
- Red paint on piping. .30 % wt.
- Red paint on handrail. <0.029 % wt.
- **Yellow paint on concrete step** 0.69% wt.
- Grey paint on beam. <0.049 % wt.
- Grey paint on piping. <0.031 % wt.
- Grey paint on piping. <0.034 % wt.

Additional amounts of these materials may be located in other areas of the facility. A copy of the laboratory report is attached.

CONCLUSIONS AND RECOMMENDATIONS

Based upon the results of the survey, EE&G presents the following conclusions and recommendations:

Samples from the yellow safety paint on various concrete steps were found to be LBP as defined by the EPA.
If these steps are to remain: Then this paint can be prepared/stabilized and repainted with new yellow paint to encapsulate the LBP. If paint is chosen to be removed, then removal of the lead paint from its substrate must be conducted by a qualified and licensed contractor in accordance with federal, state and local regulations, including OSHA’s lead regulation 29 CFR 1926.62. Prior to disposal, the entire waste stream from the LBP abatement or demolition must be characterized by a Toxic Characteristic Leachate Procedure (TCLP) test. OSHA considers measurable quantities of lead in paints and coatings to be lead-containing and a potential source of exposure. Samples from the paint in the bathroom, mechanical room, and roof top ductwork were found to contain measurable quantities of lead but were below the EPA threshold of LBP.

If these step structures are to be demolished: Prior to concrete debris disposal, the entire waste stream from the LBP abatement or demolition must be characterized by a Toxic Characteristic Leachate Procedure (TCLP) test. OSHA considers measurable quantities of lead in paints and coatings to be lead-containing and a potential source of exposure. Samples from the paint in the bathroom, mechanical room, and roof top ductwork were found to contain measurable quantities of lead but were below the EPA threshold of LBP.

For demolition/renovation of any lead-based or lead-containing piping:

To comply with OSHA lead regulation 29 CFR 1926.62, this report should be made available to personnel that will conduct the renovation operations at this facility. This regulation considers coatings that contain even measurable amounts of lead to be lead-based paint and mandates protective measures when a painting or renovation project involves the disturbance of painted components in such a way as to cause airborne emissions of lead particulate (sanding, scraping, grinding, abrasive cutting or torching, etc.).

These protective measures include: hazard communication training, personnel protection (respirators, protective suits, etc.), engineering controls and personnel air monitoring until results of the personnel monitoring indicate airborne lead concentrations below the Action Level (AL) of 30 micrograms per cubic meter as an eight-hour time weighted average (TWA). In lieu of the above protective measures, painting and or demolition personnel may provide objective historical data from previous similar projects to demonstrate that the AL for lead will not be exceeded.
Please contact the undersigned with questions regarding this letter.

Sincerely,

Hiram A. Aguiar
Senior Project Professional, EE&G
EPA Certified Lead Based Paint Risk Assessor

Attachments

Laboratory Analysis Report
Figures
Photographs
Certificates

Reviewed by

Jay Sall, C.I.H.
Senior Technical Advisor, EE&G
Mr. Pierre-Louis Wisler
August 25, 2017
Appendices

LABORATORY ANALYSIS REPORT
FLAME AAS (SW 846 3050B/7000B)
# Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

<table>
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<tr>
<th>Client Sample Description</th>
<th>Lab ID</th>
<th>Collected</th>
<th>Analyzed</th>
<th>Lead Concentration</th>
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<tr>
<td>1 Site: Blue Paint on Pipe</td>
<td>201708572-0001</td>
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<td>&lt;0.020% wt</td>
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<td>201708572-0002</td>
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<td>&lt;0.018% wt</td>
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<td>&lt;0.015% wt</td>
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<td>4 Site: Red Paint on Pipe</td>
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<td>5 Site: Red Paint Hand Rail</td>
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<td>6 Site: Yellow Paint on Conc. Step</td>
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<td>7 Site: Paint on Beam - Gray</td>
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<td>8/23/2017</td>
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<td>&lt;0.049% wt</td>
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<td>8 Site: Gray Paint on Pipe</td>
<td>201708572-0009</td>
<td>8/23/2017</td>
<td>8/24/2017</td>
<td>&lt;0.031% wt</td>
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<tr>
<td>9 Site: Gray Paint on Pipe</td>
<td>201708572-0010</td>
<td>8/23/2017</td>
<td>8/24/2017</td>
<td>&lt;0.034% wt</td>
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*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. 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. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Phillip Worby, Lead Laboratory Manager or other approved signatory

Initial report from 08/25/2017 09:02:14
# Lead (Pb) Chain of Custody

**EMSL Order ID (Lab Use Only):**

OrderID: 201708572

---

**Company:** EE&G Environmental Services, LLC  
**Street:** 5751 Miami Lakes Drive  
**City:** Miami Lakes  
**State/Province:** FL  
**Zip/Postal Code:** 33014  
**Country:** USA  
**Report To (Name):** Hiram Aguiar  
**Telephone #:** 305-374-8300  
**Email Address:** Haguier@eeandg.com  
**Project Name/Number:** CNM - Winson Water Treatment Plant Filters 1-4 and Pipe Gallery Upgrades 2017-2524

---

**Turnaround Time (TAT) Options** - Please Check

- [ ] 3 Hours  
- [ ] 6 Hours  
- [x] 24 Hours  
- [ ] 48 Hours  
- [ ] 3 Days  
- [ ] 4 Days  
- [ ] 5 Days  
- [ ] 10 Days

---

**Matrix** | **Method** | **Instrument** | **Reporting Limit** | **Check**
--- | --- | --- | --- | ---
Chips  | SW846-7000B/7420 or AOAC 974.02  | Flame Atomic Absorption  | 0.01%  | [x]
Air  | NIOSH 7082  | Flame Atomic Absorption  | 4 µg/filter  | [ ]
 | NIOSH 7105  | Graphite Furnace AA  | 0.03 µg/filter  | [ ]
 | NIOSH 7300 modified  | ICP-AES  | 0.5 µg/filter  | [ ]
Wipe*  | SW846-7000B/7420  | Flame Atomic Absorption  | 10 µg/wipe  | [ ]
 | SW846-6010B or C  |  | 0.5 µg/wipe  | [ ]
TCLP  | SW846-1311/7420/SM 3111B  | Flame Atomic Absorption  | 0.001 ppm  | [ ]
 | SW846-6010B or C  |  | 0.005 ppm  | [ ]
Soil  | SW846-7420  | Flame Atomic Absorption  | 0.001 ppm  | [ ]
 | SW846-7421  | GFAAS  | 0.001 ppm  | [ ]
 | SW846-6010B or C  |  | 0.001 ppm  | [ ]
Wastewater  | SM3111B or SW846-7000B/7420  | Flame Atomic Absorption  | 0.001 ppm  | [ ]
 | EPA 200.9  | ICP-AES  | 0.001 ppm  | [ ]
 | SW846-6010B or C  |  | 0.001 ppm  | [ ]
Drinking Water  | EPA 200.9  | Graphite Furnace AA  | 0.003 mg/L (ppm)  | [ ]

---

**Other:**

**Name of Sampler:** Hiram Aguiar

**Preservation Method (Water):**

**Sample #** | **Location** | **Volume/Area** | **Date/Time Sampled**
--- | --- | --- | ---
1  | Blue paint on Pick  | Paint Chip  | 5-23-17
2  | Red  |  | 
3  | Hand rail  |  | 
4  |  |  | 
5  | Yellow paint on concrete step  |  | 
6  |  |  | 

**Client Sample #s**  | 1  | **Total # of Samples:**
--- | --- | ---

**Relinquished (Client):** Hiram Aguiar  
**Date:** 5-23-17  
**Received (Lab):**  
**Date:** 8/24/17  
**Comments:**
**LEAD (Pb) CHAIN OF CUSTODY**

**EMSL ORDER ID (Lab Use Only):** 2017-08572

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

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<td>9</td>
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Comments/Special Instructions:

* x = 0.006g insufficient sample analysis
  
  Sampled 8/21/17, e.o.

Page 2 of 2 pages
FIGURES
CITY OF NORTH MIAMI
PUBLIC WORKS UTILITIES
WINSON WATER TREATMENT PLANT
BID PACKAGE 1: FILTER REHAB

VOLUME 2: DRAWINGS

PROJECT LOCATION:
12098 NORTHWEST 11th AVE
NORTH MIAMI, FLORIDA 33168

LOCATION MAP
DECEMBER 2016
BID SET
# LIST OF DRAWINGS

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INSPECTION PHOTOGRAPHS
Mr. Pierre-Louis Wisler  
August 25, 2017  
Appendices

Photo 1: Lead-containing paint on blue and red pipes in gallery

Photo 2: Lead-based yellow paint on steps; and lead-containing paint on red pipes in gallery
Photo 3: Lead-containing paint on blue and red pipes in gallery

Photo 4: Lead-based yellow paint on steps
Georgia Environmental Protection Division

Lead-Based Paint and Asbestos Program

Certification, Accreditation, Licensing Unit

Judson H. Turner, Director
4244 International Parkway, Suite 104
Atlanta, Georgia 30354

Certification To Conduct Georgia Regulated Lead-Based Paint Activities

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Certification Issue Date: 5/11/2017
Certification Expiration Date: 4/21/2018
Last Date Of Training: 4/21/2017

This certificate confers all authorities granted by Georgia EPD Rules 361-3-24 and allows the above named individual to serve as a(n) Risk Assessor Only

This certificate must be in your possession while conducting activities regulated by Georgia Rules 361-3-24. This certification is only valid for the performance of Georgia regulated lead-based paint activities and when employed by a Georgia Certified Lead-Based Paint Firm. A renewal application must be submitted at least thirty (30) days prior to the expiration date shown, and a refresher training course must be taken before the last date of training.

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Georgia Lead Firm License Number

70 RAO 0517 1393

Jennifer Vogel, Program Manager
Lead-Based Paint and Asbestos Program
(404) 363-7026
Issued By Allosie Larkins
August 31, 2016

Oommen Kappil
EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077

Dear Mr. Kappil:

Congratulations! The AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC’s Analytical Accreditation Board (AAB) has approved EMSL Analytical, Inc. as an accredited Industrial Hygiene, Environmental Lead and Environmental Microbiology laboratory.

Accreditation documentation includes the IHLAP, ELLAP and EMLAP accreditation certificate, scope of accreditation document and a copy of the current AIHA-LAP, LLC license agreement (if your completed agreement is not on file at AIHA-LAP, LLC). The accreditation symbol has been designed for use by all AIHA-LAP, LLC accredited laboratories. If your laboratory chooses to use the symbol in its advertising the laboratory’s accreditation, you must complete and return the AIHA-LAP, LLC license agreement to a Laboratory Accreditation Specialist. Once submitted, an electronic copy of the accreditation symbol will be sent to you. Please inform us if your laboratory does not wish to use the symbol in advertising.

Laboratory accreditation shall be maintained by continued compliance with IHLAP, ELLAP and EMLAP requirements (see Policy Modules 2B, 2C, 2D, and 6), which includes proficient participation in AIHA-LAP, LLC approved proficiency testing, demonstration of competency, or round robin program as indicated on the AIHA-LAP “Approved PT and Round Robin” webpage, its associated Scope/PT table, and as required in Policy Module 6, for all Fields of Testing (FoTs) for which the laboratory is accredited. An accredited laboratory that wishes to expand into a new FoT must submit an updated accreditation application to AIHA-LAP, LLC for review by the AAB.

Any changes in ownership, laboratory location, personnel, FoTs/Methods, or significant procedural changes shall be reported to AIHA-LAP, LLC in writing within twenty (20) business days of the change.

The accreditation certificate is the property of AIHA-LAP, LLC and must be returned to us should your laboratory withdraw or be removed from the IHLAP, ELLAP and EMLAP.

Again, congratulations. If you have any questions, please contact Lauren Schnack, Laboratory Accreditation Specialist, at (703) 846-0716.

Sincerely,

Cheryl O. Morton
Managing Director
AIHA Laboratory Accreditation Programs, LLC
AIHA Laboratory Accreditation Programs, LLC

acknowledges that

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Laboratory ID: 100194

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, General Requirements for the Competence of Testing and Calibration Laboratories in the following:

LABORATORY ACCREDITATION PROGRAMS

✓ INDUSTRIAL HYGIENE  Accreditation Expires: September 01, 2018
✓ ENVIRONMENTAL LEAD  Accreditation Expires: September 01, 2018
✓ ENVIRONMENTAL MICROBIOLOGY  Accreditation Expires: September 01, 2018
☐ FOOD  Accreditation Expires:
☐ UNIQUE SCOPES  Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

William Walsh, CIH
Chairperson, Analytical Accreditation Board

Cheryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision 15: 03/30/2016

Date Issued: 08/31/2016
organized to improve the practice of industrial hygiene proclaims that

Jay W. Sall

having met all requirements of education, experience and examination, and ongoing maintenance, is hereby certified in the

COMPREHENSIVE PRACTICE of
INDUSTRIAL HYGIENE

and has the right to use the designations

CERTIFIED INDUSTRIAL HYGIENIST

CIH

Certificate Number 5610 CP

Awarded: July 15, 1992

Expiration Date: December 1, 2018

Chair ABIH

Executive Director ABIH