



**JACKSONVILLE AVIATION AUTHORITY
JACKSONVILLE INTERNATIONAL AIRPORT
JAX Water Tank Recoating and Miscellaneous Repairs**

BID Number 21-17-42001

Addendum No. 2

To: ALL PROSPECTIVE BIDDERS
ALL HOLDERS OF BID DOCUMENTS

From: Jacksonville Aviation Authority

Date: April 1, 2021

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents as noted herein. Bidders are to acknowledge the receipt of this addendum in the space provided on the bid form. FAILURE TO DO SO MAY SUBJECT A BIDDER TO DISQUALIFICATION.

Bid Date: April 6, 2021 at 2:00 p.m., local time.

Lead Paint Investigation:

The JAA tested several samples of the existing Water Tower paint for lead content. The laboratory results are attached (Attachment No. 1). Based on the TCLP tests results, the waste generated from removal of the existing paint for surface preparation would be treated as non-hazardous. All removed paint debris shall be collected and properly disposed of off airport property.

<u>ATTACHMENT</u>	<u>SIZE</u>	<u>DESCRIPTION</u>
No. 1	5 pages (8.5 X 11)	Lead Paint Test Results



March 31, 2021

Wood Environment & Infrastructure Solutions, Inc.
6256 Greenland Road
Jacksonville, Florida 32258
Phone: 904.396.5173 • Fax: 904.396.5703
www.woodplc.com

Mr. Derek Powder.
Jacksonville Aviation Authority (JAA)
Jacksonville International Airport (JIA)
Jacksonville, Florida

Email: derek.powder@flyjacksonville.com

SUBJECT: Data Report for Testing of JIA Water Tower Paint Coatings
Jacksonville International Airport
Jacksonville, Florida

Dear Mr. Powder.

Wood Environment & Infrastructure Solutions, Inc. (Wood) is pleased to present our results of our testing for leaded coatings on the JIA Water Tower.

Initial testing performed on March 18, 2021 included X-Ray Fluorescence (XRF) testing and paint chip sampling.

Those results are as follows:

XRF Testing

Lower Ground Level Exterior	Result: 0.3	Adjacent to Entry Door
Lower Ground Level Exterior	Result: 0.2	Opposite Side
Top of Tower	Result: 0.0	North
Top of Tower	Result: 0.1	South

XRF results are in milligrams per square centimeter.

Paint Chips

PC-1 Lower Ground Level	Result: 120 ppm	Front
PC-2 Top of Tower	Result: <80 ppm	South Area

ppm = parts per million

Additional testing performed on March 23, 2021 included Toxicity Characteristic Leaching Procedure (TCLP) testing. Two samples of tower coatings were obtained as follows:

JIA-TCLP-1	Tower Base at ground Level	Result: <0.40 mg/L
JIA-TCLP-2	Tower Base at Ground Level	Result: 2.6 mg/L

mg/L = parts per million

The Environmental Protection Agency (EPA) lead TCLP threshold is 5.0 ppm

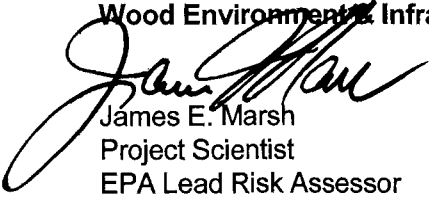
The first TCLP sample paint chips were solely from the exterior of the water tower. The second TCLP test included exterior and interior paint chips.

The analysis of the paint chip samples and TCLP samples was performed by *EMSL Analytical Laboratories*. The analysis results are attached to this data report.

If you have any questions, or if we may be of any other service to you, please call me at 904-610-5379.

Sincerely,

Wood Environmental & Infrastructure Solutions, Inc.


James E. Marsh
Project Scientist
EPA Lead Risk Assessor

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>cinnaminsonleadlab@emsl.com

EMSL Order: 202102790
CustomerID: AMECN25
CustomerPO: 674120439704
ProjectID:

Attn: **James Marsh**
Wood Env. & Infrastructure Solutions
6256 Greenland Road
Jacksonville, FL 32258

Phone: (904) 396-5173
Fax: (904) 399-3176
Received: 03/19/21 10:30 AM
Collected: 3/18/2021

Project: 6741-20-4397.04

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Weight</i>	<i>Lead Concentration</i>
PC-1	202102790-0001	3/18/2021	3/19/2021	0.2878 g	120 ppm
Site: lower level front					
PC-2	202102790-0002	3/18/2021	3/19/2021	0.2707 g	<80 ppm
Site: roof top					

The MS recovery of samples -0001 and -0002 fell outside the control limits high, therefore the results may be biased high. All other QC results met criteria.

Phillip Worby, Lead Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. 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. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.

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. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. 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

Initial report from 03/19/2021 16:41:51

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>cinnaminsonleadlab@emsl.com

EMSL Order: 202102993

CustomerID: AMECN25

CustomerPO:

ProjectID:

Attn: **James Marsh**
Wood Env. & Infrastructure Solutions
6256 Greenland Road
Jacksonville, FL 32258

Phone: (904) 396-5173
Fax: (904) 399-3176
Received: 03/24/21 11:00 AM
Collected:

Project: 6741.20-4397.04 / JAA-J1A Water Tower

Test Report: Toxicity Characteristic Leachate Procedure (1311/7000B)

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
J1A-TCLP-1	202102993-0001	3/26/2021		<0.40 mg/L
	Site: Base			
J1A-TCLP-2	202102993-0002	3/26/2021		2.6 mg/L
	Site: Base			

Phillip Worby, Lead Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. 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. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications 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. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367

Initial report from 03/29/2021 17:00:20

Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

6741-20-4377.04

202102993

PHONE:

FAX:

Company: <u>AmeC Foster Wheeler</u>		EMSL-Bill to: <input type="checkbox"/> Different <input type="checkbox"/> Same If Bill to is Different note instructions in Comments**	
Street: <u>6256 Greenland Rd</u>		Third Party Billing requires written authorization from third party	
City: <u>Jacksonville</u>	State/Province: <u>FL</u>	Zip/Postal Code: <u>32259</u>	Country: <u>USA</u>
Report To (Name): <u>James Marsh</u>		Telephone #: <u>904-610-5379 (cell)</u>	
Email Address: <u>james.marsh@amc-fw.com</u>		Fax #:	Purchase Order:
Project Name/Number: <u>JIA-JIA Water Tower</u>		Please Provide Results: <input type="checkbox"/> FAX <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail	
U.S. State Samples Taken: <u>FL</u>		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
Turnaround Time (TAT) Options - Please Check			
<input type="checkbox"/> 3 Hour	<input type="checkbox"/> 6 Hour	<input type="checkbox"/> 24 Hour	<input type="checkbox"/> 48 Hour <input checked="" type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week
*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide			
Matrix	Method	Instrument	Reporting Limit
Chips <input type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm ² <input type="checkbox"/> ppm	SW846-7000B	Flame Atomic Absorption	0.01%
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter
	NIOSH 7300 modified	ICP-AES/ICP-MS	0.5 µg/filter
Wipe* <input type="checkbox"/> ASTM <input type="checkbox"/> non ASTM <input type="checkbox"/> *If no box is checked, non-ASTM Wipe is assumed	SW846-7000B	Flame Atomic Absorption	10 µg/wipe
	SW846-6010B or C	ICP-AES	1.0 µg/wipe
	SW846-7000B/7010	Graphite Furnace AA	0.075 µg/wipe
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)
	SW846-1131/SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)
	SW846-7010	Graphite Furnace AA	0.3 mg/kg (ppm)
	SW846-6010B or C	ICP-AES	2 mg/kg (ppm)
Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
	EPA 200.7	ICP-AES	0.020 mg/L (ppm)
Drinking Water Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)
TSP/SPM Filter	40 CFR Part 50	ICP-AES	12 µg/filter
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter
Other:			
Name of Sampler: <u>James Marsh</u>		Signature of Sampler: <u>[Signature]</u>	
Sample #	Location	Volume/Area	Date/Time Sampled
1 JIA-TCLP-1	Base		
2 JIA-TCLP-2	Base		
Client Sample #'s: <u>JIA-TCLP 1 & 2</u>		Total # of Samples: <u>20</u>	
Relinquished (Client): <u>[Signature]</u>	Date: <u>3/23/21</u>	Time: <u>6pm</u>	
Received (Lab): <u>[Signature]</u>	Date: <u>3/24/21</u>	Time: <u>11am</u>	
Comments:			