



June 17, 2019

Mr. Samuel Ramirez, PE
JEA Project Engineering and Construction
Wastewater Plants and Pumping Stations
21 West Church Street Tower 4
Jacksonville, Florida 32202-3139

**RE: Lead TCLP Results
Biscayne Village Pump Station
10800 Key Haven Boulevard
Jacksonville, Florida**

GLE Project No.: 19112-00180

Dear Mr. Ramirez:

GLE Associates, Inc. (GLE) has completed the sampling and analysis for lead via Toxicity Characteristic Leaching Procedure (TCLP), associated with the planned demolition of the Biscayne Village Pump Station, located in Jacksonville, Florida. Due to the planned demolition activities, GLE was requested to provide TCLP lead testing to determine if the waste materials meet the criteria to be classified as hazardous waste. GLE is pleased to provide the results of the TCLP testing conducted on May 31, 2019.

The waste materials associated with the building components of the Biscayne Village Pump Station are classified as non-hazardous, relative to lead, as the analytical results indicated TCLP lead levels lower than five milligrams per liter (mg/L). Please see the attached for analytical results, chain of custody, certifications and licenses.

GLE Associates, Inc. appreciates the opportunity to work with you on this project. Should you have any questions, please contact the undersigned.

Sincerely,
GLE Associates, Inc.

John E. Ciucevich III
Senior Project Manager

Robert B. Greene, PE, PG, CIH, LEED AP
President

JEC/RBG/lr

Attachments

M:\Work\Asb\19112-JEA\00180-Key Haven BV-ACM,LBP & Haz Mat Survey\Report\TCLP Report\TCLP Letter.doc

GLE Associates, Inc.

**EMSL Analytical, Inc.**

706 Gralin Street, Kernersville, NC 27284

Phone/Fax: (336) 992-1025 / (336) 992-4175

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

EMSL Order: 021903758
CustomerID: GLEA51L
CustomerPO: 19112-00180
ProjectID:

Attn: **John Ciucevich**
GLE Associates
8659 Baypine Road
Suite 306
Jacksonville, FL 32256

Phone: (904) 296-1880
Fax: (904) 296-1860
Received: 06/03/19 9:00 AM
Collected: 5/31/2019

Project: 19112-00180

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>
TCLP-1	021903758-0013	5/31/2019	6/7/2019	<0.40 mg/L

James Cole, Laboratory Manager
or other approved signatory

Samples analyzed by EMSL Analytical, Inc. Kernersville, NC

Report Amended: 06/07/2019 08:56:26 Replaces the Initial Report 06/05/2019 11:46:57. Reason Code: Client-Test Added

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAININGChain of Custody
EMSL Order Number (Lab Use Only):

3758

Orlando, FL 32804
PHONE: (407) 599-5887
FAX: (407) 599-9063

Company: GLE Associates, Inc.		EMSL-Bill to: <input type="checkbox"/> Same <input checked="" type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 8659 Baypine Road, Suite 306		Third Party Billing requires written authorization from third party	
City: Jacksonville	State/Province: FL	Zip/Postal Code: 32256	Country: United States
Report To (Name): Johnny Ciucevich		Telephone #: 904-296-1880	
Email Address: jciucevich@gleassociates.com		Fax #: 904-296-1860	Purchase Order:
Project Name/Number: 19112-00180		Please Provide Results: <input type="checkbox"/> FAX <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Mail	
U.S. State Samples Taken: FL		Connecticut Samples: Commercial Residential	

Turnaround Time (TAT) Options* - Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☒ 96 Hour ☐ 1 Week ☐ 2 Week

*For RUSH TAT's Please Call Ahead to Confirm Lab Hours and Availability. Not all TAT options are valid for every test.
Materials Science and IAQ TATs are in Business Days rather than Hours (i.e. 24 Hour = End of Next Business Day)

Asbestos

PCM - Air <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ 8hr. TWA TEM - Air <input type="checkbox"/> 4-4.5hr TAT(AHERA ONLY) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 TEM - Water Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	PLM - Bulk <input type="checkbox"/> PLM EPA 600/R-93/116 <input type="checkbox"/> PLM EPA NOB (<1%) <input type="checkbox"/> NYS 198.1 (friable-NY) <input type="checkbox"/> NYS 198.6 (non-friable-NY) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/ Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) TEM - Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe-ASTM D6480	TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP Soil/Rock/Vermiculite <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> EPA Reg. 1 Screening Protocol (Qualitative) Other:
--	---	--

Lead (Pb)

Flame Atomic Absorption <input checked="" type="checkbox"/> Chips SW846-7000B or AOAC 974.02 <input type="checkbox"/> Soil SW846-7000B/7420 <input type="checkbox"/> Air NIOSH 7082 <input type="checkbox"/> Wastewater SM3111B or SW846-7000B/7420 <input type="checkbox"/> ASTM Wipe SW846-7000B/7420 <input type="checkbox"/> non ASTM Wipe SW846-7000B/7420 <input checked="" type="checkbox"/> TCLP SW846-1311/7420/SM 3111B	ICP <input type="checkbox"/> Air NIOSH 7300 Modified <input type="checkbox"/> non ASTM Wipe SW846-6010B or C <input type="checkbox"/> ASTM Wipe SW846-6010B or C <input type="checkbox"/> Soil SW846-6010 B or C <input type="checkbox"/> Waste Water SW846-6010B or C <input type="checkbox"/> TCLP SW846-6010B or C
Graphite Furnace Atomic Absorption <input type="checkbox"/> Soil SW846-7421 <input type="checkbox"/> Wastewater EPA 200.9 <input type="checkbox"/> Air NIOSH 7105 <input type="checkbox"/> Drinking Water EPA 200.9	
Other: <input type="checkbox"/>	

Materials Science

<input type="checkbox"/> Common Particle ID (large particles) <input type="checkbox"/> Full Particle ID (environmental dust) <input type="checkbox"/> Basic Material ID (solids) <input type="checkbox"/> Advanced Material ID <input type="checkbox"/> Physical Testing (Tensile, Compression) <input type="checkbox"/> Combustion-by-products (soot, char, etc.) <input type="checkbox"/> X-Ray Fluorescence (elem. analysis) <input type="checkbox"/> X-Ray Diffraction (Crystalline Part.) <input type="checkbox"/> MMVF's (Fibrous glass, RCF's) <input type="checkbox"/> Particle Size (sieve/microscopy/laser) <input type="checkbox"/> Combustible Dust <input type="checkbox"/> Petrographic Examination Other: <input type="checkbox"/>
--

Microbiology

Wipe and Bulk Samples <input type="checkbox"/> Mold & Fungi - Direct Examination <input type="checkbox"/> Mold & Fungi Culture (Genus Only) <input type="checkbox"/> Mold & Fungi Culture (Genus & Species) <input type="checkbox"/> Bacterial Count & ID (Up to Three Types) <input type="checkbox"/> Bacterial Count & ID (Up to Five Types) <input type="checkbox"/> MRSA <input type="checkbox"/> Pseudomonas aeruginosa	Air Samples <input type="checkbox"/> Mold & Fungi (Spore Trap) <input type="checkbox"/> Mold & Fungi Culture (Genus Only) <input type="checkbox"/> Mold & Fungi (Genus & Species) <input type="checkbox"/> Bacterial Culture & ID (Up to Three Types) <input type="checkbox"/> Bacterial Culture & ID (Up to Five Types) <input type="checkbox"/> Endotoxin Testing Real Time Q-PCR (See Analytical Guide for Code) Code: _____ Legionella <input type="checkbox"/> Level 1 <input type="checkbox"/> Level 2 <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 Other: <input type="checkbox"/>
Water Samples <input type="checkbox"/> Total Coliform & E.coli (P/A) <input type="checkbox"/> Fecal Coliform (SM 9222D) <input type="checkbox"/> Sewage Screen <input type="checkbox"/> Heterotrophic Plate Count (SM 9215)	

IAQ

Nuisance Dust NIOSH <input type="checkbox"/> 0500 <input type="checkbox"/> 0600 Airborne Dust <input type="checkbox"/> PM10 <input type="checkbox"/> TSP Silica Analysis: <input type="checkbox"/> All Species Silica Analysis - Single Species <input type="checkbox"/> Alpha Quartz <input type="checkbox"/> Cristobalite <input type="checkbox"/> Tridymite <input type="checkbox"/> HVAC Efficiency <input type="checkbox"/> Carbon Black <input type="checkbox"/> Airborne Oil Mist Radon Testing: Call for Kit and COC Other: <input type="checkbox"/>
--

**Comments/Special Instructions: Bill To: GLE Associates, Inc., 5405 Cypress Center Drive, Suite 110, Tampa, FL, 33609, United States
Attention: Kristin Harper Phone: 813-241-8350 Email: Purchase Order:

Client Sample #'s	TCLP - L-12	Total # of Samples:	13
Relinquished (Client):	[Signature]	Date:	5-31-19
Received (Lab):	[Signature]	Date:	6/3/19
		Time:	1:30p 9am

Analysis Completed in Accordance with EMSL's Terms and Conditions located in the Analytical Price Guide

FX 813680306653

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Chain of Custody

EMSL Order Number (Lab Use Only):

3758

EMSL Analytical, Inc.
5125 Adanson Street, Suite 90

Orlando, FL 32804
PHONE: (407) 599-5887
FAX: (407) 599-9063

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
L-1	Tan Concrete Wall		5-31-19
L-2	Red Metal Pump		
L-3	White Concrete Block Wall		
L-4	Green Metal Blower Component		
L-5	White Wood Door		
L-6	White Concrete Wall		
L-7	White Concrete Block Wall		
L-8	Blue Metal Pipe		
L-9	Gray Metal Sewage Pipe		
L-10	Blue Metal Pump		
L-11	Red Metal Gas Line		
L-12	Green Metal Wastewater Treatment Equipment		
TCLP-1	TCLP		5-31-19

***Comments/Special Instructions:**
 Bill To: GLE Associates, Inc., 5405 Cypress Center Drive, Suite 110, Tampa, FL 33609, United States
 Attention: Kristin Harper Phone: 813-241-8350 Email: Purchase Order:

Analysis Completed in Accordance with EMSL's Terms and Conditions located in the Analytical Price Guide

★ Do not Analyze TCLP unless one of the twelve paint chip samples contain lead ★

United States Environmental Protection Agency

This is to certify that

GLE Associates, Inc.

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires March 03, 2021

LBP-2060-1

Certification #

January 25, 2018

Issued On



Michelle Price, Chief

Lead, Heavy Metals, and Inorganics Branch

United States Environmental Protection Agency

This is to certify that



John Ciucevich

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:

Risk Assessor

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

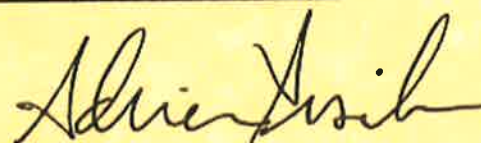
This certification is valid from the date of issuance and expires July 25, 2020

LBP-R-12158-1

Certification #

May 10, 2017

Issued On



Adrienne Priselac, Manager, Toxics Office

Land Division

The Environmental Institute

John Ciucevich

Social Security Number - XXX-XX-9848

GLE Associates, Inc. - 5405 Cypress Center Drive, Suite 110 - Tampa, Florida 33609

Has completed coursework and satisfactorily passed the hands-on skills assessment and an examination that meets training criteria in accordance with requirements for Lead-Based Paint Activities in Target Housing and Child-Occupied Facilities as regulated by Georgia DNR/EPD Chapter 391-3-24 and U. S. EPA TSCA 40 CFR Part 745 for the refresher course titled

Lead Risk Assessor Refresher

February 10, 2017

Course Date

1843

Certificate Number

February 10, 2017

Examination Date

February 9, 2019

Georgia Expiration Date

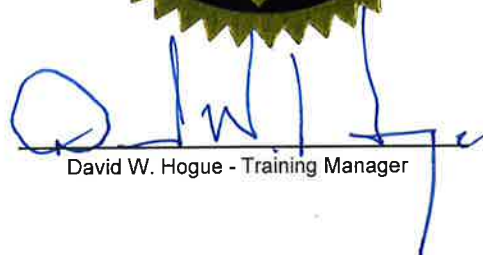
February 9, 2020

EPA Expiration Date





Bonnie B. Maurras - Principal Instructor



David W. Hogue - Training Manager

(Approved by the ABIH Certification Maintenance Committee for 1 CM point - Approval #11-584)
TEI - 1841 West Oak Parkway, Suite F - Marietta, GA 30062 - (770) 427-3600 - www.tei-atl.com
(State of Georgia Accredited - Certification No. 20-0799-006SR - September 21, 1999)



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

EMSL Analytical, Inc.

706 Gralin Street, Kernersville, NC 27284

Laboratory ID: 102564

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**
- ☒ **ENVIRONMENTAL LEAD**
- ☐ **ENVIRONMENTAL MICROBIOLOGY**
- ☐ **FOOD**
- ☐ **UNIQUE SCOPES**

Accreditation Expires:

Accreditation Expires: September 01, 2020

Accreditation Expires:

Accreditation Expires:

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.

Elizabeth Bair

Elizabeth Bair
Chairperson, Analytical Accreditation Board

Cheryl O. Morton

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