LEAD IN POTABLE WATER SCREENING REPORT

INVESTIGATION FOR:	Gerry Mihalitsianos Hasbrouck Heights BOE 379 Boulevard Hasbrouck Heights, NJ 07604
SITE INVESTIGATED:	Depken Field 238-254 Oldfield Ave Hasbrouck Heights, NJ 07604
ASSESSMENT BY:	Ross Hernandez Omega Environmental Services, Inc. 280 Huyler Street South Hackensack, NJ 07606
INVESTIGATION CONDUCTED:	2/2/2022
DATE OF REPORT:	3/18/2022

(Omega Project # 22-1068)

Omega Environmental Services, Inc. 280 Huyler Street - South Hackensack, NJ 07606 - Tel: (201) 489-8700 - Fax: (201)342-5412

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EXECUTIVE SUMMARY:

The Hasbrouck Heights Board of Education requested representative lead in water testing of potable water outlets at Depken Field located at 238-254 Oldfield Ave, Hasbrouck Heights, NJ.

Previous Testing

On April 26, 2017, Omega performed a full testing of all potable outlets. First draw and flush samples (30 second) were collected at twenty-four (24) outlets. While there were sample results above 15 ppb in the High School and Middle School, the seven (7) outlets tested in Depken Field were below 15 ppb.

See report dated 5/17/2017.

Current Testing (2/2/2022)

In order to comply with the NJDEP *Lead in Drinking Water at Schools Facilities (April 2021),* a full testing of all potable outlets was performed on February 2, 2022.

Reportedly the outlets were flushed the day prior to sampling.

First draw and flush samples (30 second) were collected at five (5) outlets.

Results of all first draw and flush samples analyzed were below the Lead and Copper Rule action level of 15 µg/L.

See Section 3 Discussion of Results

Applicable Corrective Action

No corrective action is recommended at this time.

Water Management/Plumbing Plan

It was reported that no Lead in Water Sampling Plan currently exists for Depken Field.

1 RESULTS TABLE:

Sample #	Type	Location	1st draw (FD) or flush (FL)	Lead	
				Results (µg/L)	LCR Action Level (1) (µg/L)
DF 01 FD	Water Chiller	Cold Supply	FD	NOT FLUSHED	15
DF 02 FD	Ice Machine	Ice Machine in Field House	FL	ND	15
DF 03 FL	Ice Machine	Ice Machine in Field House	FD	ND	15
DF 04 FD	Pot Filler	Pot Filler in Field House	FL	ND	15
DF 05 FL	Pot Filler	Pot Filler in Field House	FD	ND	15
DF 06 FD	Concession Sink	Concession Stand Left Sink	FL	3.05	15
DF 07 FL	Concession Sink	Concession Stand Left Sink	FD	1.65	15
DF 08 FD	Concession Sink	Concession Stand Center Sink	FL	3.42	15
DF 09 FL	Concession Sink	Concession Stand Center Sink	FD	1.86	15
DF 10 FD	Concession Sink	Concession Stand Right Sink	FL	1.66	15
DF 11 FL	Concession Sink	Concession Stand Right Sink	FD	1.47	15
DF 12 BL	Field Blank	Field Blank	BL	ND	---

(1) EPA Lead in Copper Rule (1991) Action Level for water suppliers (municipalities and private wells) and March 2016 Newark Public Schools Lead Water Testing Sampling Plan.
FD – First Draw Sample
FL – Flush Sample (30 sec)
NA – Not Analyzed

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2 SAMPLING METHODOLOGY:

(First Draw Samples) - Without allowing any water to spill until sample collection, samples were collected with a relatively slow flow rate in 250 mL bottles prepared with Nitric Acid (HNO_3) as a preservative.

(Flush Samples) – After the collection of first draw samples the water was allowed to flow at a relatively slow rate for thirty second to flush the fixture and close piping. The flush samples are intended to test the plumbing further upstream from the fixture (behind walls).

The samples were packaged in a cooler and shipped to EMSL Analytical, Inc. in Cinnaminson, NJ for total lead in potable water analysis (method E200.8 IOC).

3 DISCUSSION OF RESULTS:

Results of all first draw and flush samples analyzed were below the Lead and Copper Rule action level of 15 µg/L.

4 RECOMMENDATIONS:

Short term:

- No corrective action is recommended at this time.

Long Term:

- If any outlets are not regularly used, or after extended periods without use (such as winter and summer breaks) flush all outlets for a few minutes prior to normal use.
- Repeat full building testing on an annual basis. Generally, this should be performed in August prior to the start of the school season.

Contact Omega Environmental to discuss specific recommendations.

A. Lead in Water Laboratory Reports

Omega Environmental Services, Inc. 280 Huyler Street - South Hackensack, NJ 07606 - Tel: (201) 489-8700 - Fax: (201)342-5412

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone: (856) 303-2500 Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

Attn: **Lab** 3/13/2022
Omega Environmental Services
280 Huyler Street
South Hackensack, NJ 07606
Phone: (201) 489-8700
Fax: (201) 489-8797

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 2/23/2022. The results are tabulated on the attached data pages for the following client designated project:

22-1068 Hasbrouck Heights BOE- Depkin Field

The reference number for these samples is EMSL Order #012202997. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Approved By:

Owen McKenna, Chemistry Laboratory Director

The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted.
NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, CA ELAP 1877

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (856) 303-2500 / (856) 858-4571
http://www.EMSL.com EnvChemistry2@emsl.com

EMSL Order: 012202997
CustomerID: OMEG50
CustomerPO:
ProjectID:

Attn: Lab
Omega Environmental Services
280 Huyler Street
South Hackensack, NJ 07606

Phone: (201) 489-8700
Fax: (201) 489-8797
Received: 2/23/2022 09:00 AM

Project: **22-1068 Hasbrouck Heights BOE- Depkin Field**

Analytical Results

Client Sample Description DF02 FD
Depkin Field Ice Machine in Field House
Collected: 2/2/2022 11:10:00 AM
Lab ID: *012202997-0001*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	3/10/2022 JM	3/11/2022 08:52 VD

Client Sample Description DF03 FL
Depkin Field Ice Machine in Field House
Collected: 2/2/2022 11:11:00 AM
Lab ID: *012202997-0002*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	2/28/2022 VD	3/1/2022 14:59 JW

Client Sample Description DF04 FD
Depkin Fill Pot Filler in Field House
Collected: 2/2/2022 11:17:00 AM
Lab ID: *012202997-0003*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	3/10/2022 JM	3/11/2022 02:16 VD

Client Sample Description DF05 FL
Depkin Fill Pot Filler in Field House
Collected: 2/2/2022 11:18:00 AM
Lab ID: *012202997-0004*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	3/10/2022 JM	3/11/2022 02:18 VD

Client Sample Description DF06 FD
Depkin Field Concession Stand Left Sink
Collected: 2/2/2022 11:20:00 AM
Lab ID: *012202997-0005*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	3.05	1.00	µg/L	3/10/2022 JM	3/11/2022 02:19 VD

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EMSL Order: 012202997
CustomerID: OMEG50
CustomerPO:
ProjectID:

Attn: Lab
Omega Environmental Services
280 Huyler Street
South Hackensack, NJ 07606

Phone: (201) 489-8700
Fax: (201) 489-8797
Received: 2/23/2022 09:00 AM

Project: **22-1068 Hasbrouck Heights BOE- Depkin Field**

Analytical Results

Client Sample Description	DF07 FL Depkin Field Concession Stand Left Sink		***Collected:***	2/2/2022 11:21:00 AM	***Lab ID:***	*012202997-0006*	
Method	***Parameter***	***Result***	***RL***	***Units***	***Prep Date & Analyst***	***Analysis Date & Analyst***	
METALS							
200.8	Lead	1.65	1.00	µg/L	3/10/2022 JM	3/11/2022 02:21	VD
Client Sample Description	DF08 FD Depkin Field Concession Stand Center Sink		***Collected:***	2/2/2022 11:21:00 AM	***Lab ID:***	*012202997-0007*	
Method	***Parameter***	***Result***	***RL***	***Units***	***Prep Date & Analyst***	***Analysis Date & Analyst***	
METALS							
200.8	Lead	3.42	1.00	µg/L	3/10/2022 JM	3/11/2022 02:22	VD
Client Sample Description	DF09 FL Depkin Field Concession Stand Center Sink		***Collected:***	2/2/2022 11:22:00 AM	***Lab ID:***	*012202997-0008*	
Method	***Parameter***	***Result***	***RL***	***Units***	***Prep Date & Analyst***	***Analysis Date & Analyst***	
METALS							
200.8	Lead	1.86	1.00	µg/L	3/10/2022 JM	3/11/2022 02:24	VD
Client Sample Description	DF10 FD Depkin Field Concession Stand Right Sink		***Collected:***	2/2/2022 11:22:00 AM	***Lab ID:***	*012202997-0009*	
Method	***Parameter***	***Result***	***RL***	***Units***	***Prep Date & Analyst***	***Analysis Date & Analyst***	
METALS							
200.8	Lead	1.66	1.00	µg/L	2/28/2022 VD	3/1/2022 15:01	JW
Client Sample Description	DF11 FL Depkin Field Concession Stand Right Sink		***Collected:***	2/2/2022 11:23:00 AM	***Lab ID:***	*012202997-0010*	
Method	***Parameter***	***Result***	***RL***	***Units***	***Prep Date & Analyst***	***Analysis Date & Analyst***	
METALS							
200.8	Lead	1.47	1.00	µg/L	3/10/2022 JM	3/11/2022 02:25	VD

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200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (856) 303-2500 / (856) 858-4571
http://www.EMSL.com EnvChemistry2@emsl.com

EMSL Order:	012202997
CustomerID:	OMEG50
CustomerPO:	
ProjectID:	

Attn: **Lab**
Omega Environmental Services
280 Huyler Street
South Hackensack, NJ 07606

Phone: (201) 489-8700
Fax: (201) 489-8797
Received: 2/23/2022 09:00 AM

Project: **22-1068 Hasbrouck Heights BOE- Depkin Field**

Analytical Results

Client Sample Description DF12 FD
Field Blank

Collected: 2/2/2022
12:34:00 PM

Lab ID: *012202997-0011*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	3/10/2022 JM	3/11/2022 02:27 VD

Definitions:
MDL - method detection limit
J - Result was below the reporting limit, but at or above the MDL
ND - indicates that the analyte was not detected at the reporting limit
RL - Reporting Limit (Analytical)
D - Dilution Sample required a dilution which was used to calculate final results

OrderID: 012202997

EMSL ANALYTICAL, INC.
TESTING LABS - PRODUCTS - TRAINING

Lead Chain of Custody

EMSL Order Number / Lab Use Only: 012202997

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
PHONE: (800) 220-3675
EMAIL: CinnaminsonLeadLab@emsl.com

Customer Information		Billing Information	
Customer ID:		Billing ID:	
Company Name:	Omega Environmental Services	Company Name:	Omega Environmental Services
Contact Name:		Billing Contact:	
Street Address:	280 Huyler Street	Street Address:	280 Huyler Street
City, State, Zip:	South Hackensack, NJ 07606	City, State, Zip:	South Hackensack, NJ 07606
Country:	USA	Country:	USA
Phone:	201-489-8700	Phone:	201-489-8700
Email(s) for Report:	lab@omega-env.com	Email(s) for Invoice:	ap@omega-env.com

Project Information

Project Name/No.: 22-1068 Hasbrouck Heights BOE- Depkin Field
Purchase Order:
EMSL LIMS Project ID: (If applicable, EMSL will provide)
US State where samples collected: NJ
State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)
Sampled By Name: Ross Hernandez
Sampled By Signature:
No. of Samples in Shipment: 11

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☑ 2 Week

Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only; samples must be submitted by 11:30am.

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS ☐ % by wt. ☐ ppm (mg/kg) ☐ mg/cm²	SW 846-7000B	Flame Atomic Absorption	0.008% (80ppm)	☐
*Reporting Limit based on a minimum 0.25g sample weight	SW 846-6010D*	ICP-OES	0.0004% (4ppm)	☐
AIR	NIOSH 7082	Flame Atomic Absorption	4µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-OES	0.5µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-MS	0.05µg/filter	☐
WIPE ☐ ASTM ☐ NON-ASTM	SW 846-7000B	Flame Atomic Absorption	10µg/wipe	☐
*If no box is checked, non-ASTM Wipe is assumed	SW 846-6010D*	ICP-OES	1.0µg/wipe	☐
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
TTLC	22 CCR App. II, 7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
STLC	22 CCR App. II, 7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
Wastewater	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
Unpreserved / Preserved with HNO3 ☐ PH<2	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	☐
Drinking Water	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	☐
Unpreserved / Preserved with HNO3 ☑ PH<2	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☑
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	☐
Other:				☐

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
Samples begin on the following page.			

Method of Shipment: Pick up
Sample Condition Upon Receipt:

Relinquished by: Ross Hernandez.	Date/Time: 2/23/22 14:00	Received by: [illegible] 2/22/22 8pm	Date/Time
Relinquished by:	Date/Time:	Received by: Evelyn 2/23/22 9am	Date/Time

Controlled Document - COC-25 Lead R16 4/19/2021

*8010C Available Upon Request

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

Pg 1 of 2

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

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Page 1 Of 2

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EMSL ANALYTICAL, INC.
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012202997

Lead Chain of Custody

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
PHONE: (800) 220-3675
EMAIL: CinnaminsonLeadLab@emsl.com

OrderID: 012202997

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Sample Number	Sample Location	Volume / Area	Date / Time Sampled	Notes
~~DF 01 FD~~	~~Cold Supply~~	250 mL		Not Flushed.
DF 02 FD	Deptka Field Ice Machine in Field House.	250 mL	2/9/22 11:10	In 2 bottles
DF 03 FL	↓	250 mL	11:11	↓
DF 04 FD	Deptka Fill Pot Filler in Field House	250 mL	11:14	
DF 05 FL	↓	250 mL	11:18	
DF 06 FD	Deptka Field Concession Stand Left Sink.	250 mL	11:20	
DF 07 FL	↓	250 mL	11:21	
DF 08 FD	Deptka Field Concession Stand Center Sink	250 mL	11:21	
DF 09 FL	↓	250 mL	11:22	
DF 10 FD	Deptka Field Concession Stand Right Sink	250 mL	11:22	
DF 11 FL.	↓	250 mL	11:23.	
DF 12 Field Blank	Field Blank.	250 mL	12:34.	
		250 mL		
		250 mL		
		250 mL		
		250 mL		
		250 mL		
		250 mL		

Method of Shipment: Pick up		Sample Condition Upon Receipt:		
Relinquished by: Ross Hernandez.	Date/Time: 2/9/22 14:30	Received by:	Date/Time	
Relinquished by:	Date/Time:	Received by:	Date/Time	

Pg 2 of 2.