OMEGA
ENVIRONMENTAL SERVICES, INC

LEAD IN POTABLE WATER SCREENING REPORT

INVESTIGATION FOR:	Maurice Okoroji New Community Corporation 233 West Market Street Newark, NJ 07103
SITE INVESTIGATED:	Community Hills Early Learning Center 85 Irvine Turner Blvd. Newark, NJ 07103
ASSESSMENT BY:	Thomas Givnish Omega Environmental Services, Inc. 280 Huyler Street South Hackensack, NJ 07606
INVESTIGATION CONDUCTED:	3/9/2022
DATE OF REPORT:	7/7/2022

(Omega Project # 22-1084A)

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 New Community Corporation requested representative lead in water testing of potable water outlets at the New Community Day Care on 85 Irvington Term Blvd., Newark, New Jersey, 07103.

Previous Testing

On March 9, 2022, Omega performed a full testing of all potable outlets. First draw and flush samples (30 second) were collected at 39 water fountains and sinks.

Reportedly the outlets were flushed the day prior to sampling.

One (1) first draw sample was above 15 ppb. The associated flush sample was below 15 ppb.

Recent Follow-up Testing (6/23/2022)

In order to comply with the *NJDEP Lead in Drinking Water at Schools Facilities (April 2021)* requirements, a follow-up testing of positive outlets was performed on June 23, 2022.

Reportedly the outlets were flushed the day prior to sampling.

A first draw and flush sample (30 second) were collected at one (1) sink.

Results of all the first draw samples analyzed were below the Lead and Copper Rule action level of 15 µg/L and 1,300 µg/L.

See Section 3 Discussion of Results

Applicable Corrective Action

No short-term corrective action is recommended at this time.

1 RESULTS TABLE:

Sample #	Location	1st draw (FD) or flush (FL)	Lead		Copper	
			Lead Results (µg/L)	LCR Action Level (1) (µg/L)	Copper Results (µg/L)	LCR Action Level (1) (µg/L)
1 FD	Nurse's Office Sink	FD	5.48	15	86	1,300
2 FL	Nurse's Office Sink	FL	NA	15	NA	1,300
3 FB	Field Blank	FB	ND	15	ND	1,300

(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 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, Cinnaminson, NJ for total lead in potable water analysis (method E200.8 IOC).

3 DISCUSSION OF RESULTS:

Results of all the first draw samples analyzed were below the Lead and Copper Rule action level of 15 µg/L and 1,300 µg/L.

4 RECOMMENDATIONS:

Short term:

No corrective action is recommended at this time.

Contact Omega Environmental to discuss specific recommendations.

Long Term:

- Repeat full building testing on an annual basis. Generally this should be performed in August prior to the start of the school season.
- Develop a Lead in Water Management Plan in accordance with the 2006 EPA 3Ts for Reducing Lead in Drinking Water in Schools.

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** 7/6/2022

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 6/28/2022. The results are tabulated on the attached data pages for the following client designated project:

New Community Day Care/22-1084A

The reference number for these samples is EMSL Order #012210062. 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

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

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:	012210062
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: 6/28/2022 09:00 AM

Project: **New Community Day Care/22-1084A**

Analytical Results

Client Sample Description 1-FD
Nurse's Office Sink

Collected: 6/23/2022 6:02:00 AM

Lab ID: *012210062-0001*

Method	*Parameter*	*Result*	*RL Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS					
200.8	Copper	86	5.0 µg/L	7/1/2022 JW	7/1/2022 16:43 JW
200.8	Lead	5.46	1.00 µg/L	7/1/2022 JW	7/1/2022 16:43 JW

Client Sample Description 3-FB
Field Blank

Collected:

Lab ID: *012210062-0003*

Method	*Parameter*	*Result*	*RL Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS					
200.8	Copper	ND	5.0 µg/L	7/1/2022 JW	7/1/2022 16:45 JW
200.8	Lead	ND	1.00 µg/L	7/1/2022 JW	7/1/2022 16:45 JW

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

ChemSmplw/RDL/NELAC-2.19.0.0 Printed: 7/8/2022 9:08:44 AM

OrderID: 012210062

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Lead Chain of Custody

EMSL Order Number / Lab Use Only

012210062

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

PHONE: (800) 220-3675
EMAIL: Cinnaminson.LeadLab@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 Country: USA	City, State, Zip:	South Hackensack, NJ 07606 Country: USA
Phone:	201-489-8700	Phone:	201-489-8700
Email(s) for Report:	lab@omega-env.com/tomg@omega-env.com	Email(s) for Invoice:	ap@omega-env.com

Project Information

Project Name/No: New Community Day Care/22-1084A — 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: Tom Givnish — Sampled By Signature: [signature] — No. of Samples in Shipment: 3

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:				☐

*lead + copper (TG)

	Sample Number	Sample Location	Volume / Area	Date / Time Sampled
1	1-FD	Nurse's Office Sink	250 mL	6:02 6/23/22
2	2-FL	Nurse's Office Sink	250 mL	6:03 6/23/22
3	3-FB	Field Blank	250 mL	

Method of Shipment: Fedex		Sample Condition Upon Receipt:	
Relinquished by: [signature]	Date/Time: 6/23/22 900	Received by: NIW courier	Date/Time: 6/27/22 7:50pm
Relinquished by:	Date/Time:	Received by: [signature]	Date/Time: 6/28/22 9

Controlled Document - COC-25 Lead R15 1/18/2021 — *6010C Available Upon Request

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

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 acknowledgement of all terms and conditions by Customer.

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*Only analyze flush sample if first draw is over 15 ppb lead or 1,300 ppb Cu