AERO ENVIRONMENTAL SERVICES, INC.
ENGINEERING • CONSULTING • TESTING

275 Route 10 East, Suite 220-306 Succasunna, NJ 07876
Telephone (973) 920-9061
Fax (973) 529-0335

March 4, 2022

Mr. Paul Stabile
Business Administrator
Netcong School District
26 College Road
Netcong, NJ 07857

Re: Lead in Drinking Water Report - First Draw Sampling

Dear Mr. Stabile:

Please find enclosed the report for the Lead in Drinking Water-First Draw Sampling conducted for the Netcong School District. Lead in drinking water sampling was conducted at the following schools within your District.

- Netcong Elementary School

If you have any questions, please contact me at directly at 973-920-9061.

Sincerely,

Michael Berta, CSP, CPEA
AERO Environmental Services Inc.
mberta@aeroenvironmental.net

Lead in Drinking Water
First Draw Sampling Report

Netcong Elementary School

26 College Road, Netcong NJ 07857

Prepared For:

Netcong School District

26 College Road
Netcong, NJ 07857

Preformed By:

AERO Environmental Services Inc.
275 Rt 10 East, 220-306 Succasunna, NJ 07876

Date(s) of Collection
February 9, 2022

TABLE OF CONTENTS

Netcong Elementary School

1.0 INTRODUCTION

AERO Environmental Services, Inc. was contracted by the Netcong School District to conduct Drinking Water Sampling at the Netcong Elementary School. The water sampling was performed on February 5, 2022, by Michael Berta of AERO Environmental Services Inc. All samples were analyzed by EMSL Analytical Inc. at 200 Route 130 North, Cinnaminson, NJ 08077, a New Jersey certified Lead in Drinking Water testing facility.

The purpose of the sampling was to collect first draw drinking water samples at pre-determined locations in the facility and have them analyzed for lead concentration levels.

The initial first draw samples were taken from drinking water outlets and food preparation outlets in the facility. These samples determine the lead content of water sitting in water outlets that are used for drinking or cooking within the facility.

Lead in water can originate from the outlet fixture or plumbing upstream of the outlet fixture (e.g., pipe, joints, valves, fittings etc.). Lead can also enter a facility through the drinking water system. Sample results are then compared to assist in determining the sources of lead contamination and the appropriate corrective measures.

If initial first draw test results reveal lead concentrations greater than 15 µg/l (ppb) in a 250 mL sample for a given outlet, a follow-up flush testing is required to determine if the lead contamination results are from the fixture or from interior plumbing.

All samples were collected in a 250mL wide mouth plastic container that was prepackaged by the analytical laboratory. At each sample location, the first draw sample was taken after it was determined that the water had been standing in the plumbing system for greater than eight hours but less than forty-eight hours.

-END OF SECTION-

2.0 SUMMARY OF FINDINGS

First Draw samples were collected and submitted for lead analysis. Tables 1 below shows the concentration of lead (parts per billion or microgram per liter) at each location sampled. Sampling conducted followed NJDEP protocols, and all samples were submitted to EMSL Analytical under a completed Chain of Custody Form.

Table 1: Netcong Elementary School

Date	Location Description	Sample Location Code	First Draw Result (ppb)	Action Ppb	Over Limit Yes/No
02/05/22	Hallway by Music Room #107 Fountain Chiller	NS-FCBF-HW music room-01	ND	15	No
02/05/22	Hallway by Music Room #107 Bottle Filler	NS-FCBF-HW music room-02	ND	15	No
02/05/22	Hallway by Room 201 Fountain Chiller	NS-FCBF- HW 201-01	ND	15	No
02/05/22	Hallway by Room 201 Bottle Filler	NS-FCBF- HW 201-02	ND	15	No
02/05/22	Hallway by Room 206 Fountain Chiller	NS-FCBF- HW 206-01	ND	15	No
02/05/22	Hallway by Room 206 Bottle Filler	NS-FCBF- HW 206-02	ND	15	No
02/05/22	Hallway by Room 301 Fountain Chiller	NS-FCBF- HW 301-01	ND	15	No
02/05/22	Hallway by Room 301 Bottle Filler	NS-FCBF- HW 301-02	ND	15	No
02/05/22	Hallway by Room 305 Fountain Chiller	NS-FCBF- HW 305-01	ND	15	No
02/05/22	Hallway by Room 305 Bottle Filler	NS-FCBF- HW 305- 02	ND	15	No
02/05/22	Hallway by Room 111 Fountain Chiller	NS-FCBF- HW 111-01	ND	15	No
02/05/22	Hallway by Room 111 Bottle Filler	NS-FCBF- HW 111-02	ND	15	No
02/05/22	Girls Locker Room Fountain Chiller	NS-FCBF- LR Girls-01	ND	15	No
02/05/22	Girls Locker Room Bottle Filler	NS-FCBF- LR Girls-02	ND	15	No
02/05/22	Hallway by Main Office Fountain Chiller	NS-FCBF- HW Main Office-01	ND	15	No
02/05/22	Hallway by Main Office Bottle Filler	NS-FCBF- HW Main Office-02	ND	15	No
02/05/22	Hallway by Room 117 Fountain Chiller	NS-FCBF- HW 117-01	ND	15	No
02/05/22	Hallway by Room 117 Bottle Filler	NS-FCBF- HW 117-02	ND	15	No
02/05/22	Boys Locker Room Fountain Chiller	NS-FCBF- LR Boys-01	ND	15	No
02/05/22	Boys Locker Room Bottle Filler	NS-FCBF- LR Boys-02	ND	15	No
02/05/22	Field Blank	NS-Field Blank	ND	15	No

3.0 SAMPLING AND ANALYSES

The following guidance documents were followed for all sampling:

1. N.J.A.C. 6A:26

2. The EPA's Revised Technical Guidance - "3Ts for Reduced Lead in Drinking Water inSchools"

3. Guidance Document from NJDEP Division of Water Supply and Geoscience – "Lead inDrinking Water: Guidance for Schools and Child Care Facilities Served by Public Water."

Twenty (20) first draw samples, along with one (1) blank, were collected. All first draw samples were analyzed.

All samples were labeled with a unique identification number and transported to EMSL Analytical for analysis for lead in drinking water using EPA Method 200.8.

4.0 CONCLUSTION

- Based on laboratory analysis of the samples analyzed, zero (0) samples exceeded the action limit.
- No remedial action is required.
- All lead results were below the 15 µg/L New Jersey Action Level.

APPENDIX 1

Netcong Elementary School

LEAD IN DRINKING WATER SAMPLING

CHAINS-OF-CUSTODY & LAB REPORTS

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

Attn: **Michael Berta**
AERO Environmental Services, Inc
275 Route 10 East
Suite 220-306
Succasunna, NJ 07876
Phone: (973) 920-9061
Fax: (973) 529-0335

2/16/2022

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 2/9/2022. The results are tabulated on the attached data pages for the following client designated project:

Netcong ES DW 1st Draw

The reference number for these samples is EMSL Order #012201971. 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: 012201971
CustomerID: AERO50
CustomerPO:
ProjectID:

Attn: **Michael Berta**
AERO Environmental Services, Inc
275 Route 10 East
Suite 220-306
Succasunna, NJ 07876

Phone: (973) 920-9061
Fax: (973) 529-0335
Received: 2/9/2022 09:00 AM

Project: **Netcong ES DW 1st Draw**

Analytical Results

Client Sample Description NES-1
NS-FCBF-HW MUSIC ROOM-01
Collected: 2/5/2022 8:45:00 AM
Lab ID: *012201971-0001*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	2/10/2022 KB	2/14/2022 18:53 VD

Client Sample Description NES-2
NS-FCBF-HW MUSIC ROOM-02
Collected: 2/5/2022 8:47:00 AM
Lab ID: *012201971-0002*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	2/10/2022 KB	2/14/2022 18:58 VD

Client Sample Description NES-3
NS-FCBF-HW 201-01
Collected: 2/5/2022 8:50:00 AM
Lab ID: *012201971-0003*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	2/10/2022 KB	2/14/2022 19:00 VD

Client Sample Description NES-4
NS-FCBF-HW 201-02
Collected: 2/5/2022 8:52:00 AM
Lab ID: *012201971-0004*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	2/10/2022 KB	2/14/2022 19:01 VD

Client Sample Description NES-5
NS-FCBF-HW 206-01
Collected: 2/5/2022 8:53:00 AM
Lab ID: *012201971-0005*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	2/10/2022 KB	2/14/2022 19:04 VD

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: 012201971
CustomerID: AERO50
CustomerPO:
ProjectID:

Attn: **Michael Berta**
AERO Environmental Services, Inc
275 Route 10 East
Suite 220-306
Succasunna, NJ 07876

Phone: (973) 920-9061
Fax: (973) 529-0335
Received: 2/9/2022 09:00 AM

Project: **Netcong ES DW 1st Draw**

Analytical Results

Client Sample Description NES-6 NS-FCBF-HW 206-02 ***Collected:*** 2/5/2022 8:54:00 AM ***Lab ID:*** *012201971-0006*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	2/10/2022 KB	2/14/2022 19:06 VD

Client Sample Description NES-7 NS-FCBF-HW 301-01 ***Collected:*** 2/5/2022 8:55:00 AM ***Lab ID:*** *012201971-0007*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	2/10/2022 KB	2/14/2022 19:08 VD

Client Sample Description NES-8 NS-FCBF-HW 301-02 ***Collected:*** 2/5/2022 8:57:00 AM ***Lab ID:*** *012201971-0008*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	2/10/2022 KB	2/14/2022 19:09 VD

Client Sample Description NES-9 NS-FCBF-HW 305-01 ***Collected:*** 2/5/2022 8:59:00 AM ***Lab ID:*** *012201971-0009*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	2/10/2022 KB	2/14/2022 19:14 VD

Client Sample Description NES-10 NS-FCBF-HW 305-02 ***Collected:*** 2/5/2022 9:00:00 AM ***Lab ID:*** *012201971-0010*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	2/10/2022 KB	2/14/2022 19:15 VD

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: 012201971
CustomerID: AERO50
CustomerPO:
ProjectID:

Attn: **Michael Berta**
AERO Environmental Services, Inc
275 Route 10 East
Suite 220-306
Succasunna, NJ 07876

Phone: (973) 920-9061
Fax: (973) 529-0335
Received: 2/9/2022 09:00 AM

Project: **Netcong ES DW 1st Draw**

Analytical Results

Client Sample Description NES-11
NS-FCBF-HW 111-01
Collected: 2/5/2022 9:03:00 AM
Lab ID: *012201971-0011*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	2/10/2022 KB	2/14/2022 19:17 VD

Client Sample Description NES-12
NS-FCBF-HW 111-02
Collected: 2/5/2022 9:04:00 AM
Lab ID: *012201971-0012*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	2/10/2022 KB	2/14/2022 19:25 VD

Client Sample Description NES-13
NS-FCBF-LR Girls-01
Collected: 2/5/2022 9:06:00 AM
Lab ID: *012201971-0013*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	2/10/2022 KB	2/14/2022 19:26 VD

Client Sample Description NES-14
NS-FCBF-LR Girls-02
Collected: 2/5/2022 9:09:00 AM
Lab ID: *012201971-0014*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	2/10/2022 KB	2/14/2022 19:28 VD

Client Sample Description NES-15
NS-FCBF-HW MAIN OFFICE-01
Collected: 2/5/2022 9:11:00 AM
Lab ID: *012201971-0015*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	2/10/2022 KB	2/14/2022 19:29 VD

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: 012201971
CustomerID: AERO50
CustomerPO:
ProjectID:

Attn: **Michael Berta**
AERO Environmental Services, Inc
275 Route 10 East
Suite 220-306
Succasunna, NJ 07876

Phone: (973) 920-9061
Fax: (973) 529-0335
Received: 2/9/2022 09:00 AM

Project: **Netcong ES DW 1st Draw**

Analytical Results

Client Sample Description NES-16 NS-FCBF-HW MAIN OFFICE-02 ***Collected:*** 2/5/2022 9:12:00 AM ***Lab ID:*** *012201971-0016*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	2/10/2022 KB	2/14/2022 19:31 VD

Client Sample Description NES-17 NS-FCBF-HW 117-01 ***Collected:*** 2/5/2022 9:15:00 AM ***Lab ID:*** *012201971-0017*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	2/10/2022 KB	2/14/2022 19:32 VD

Client Sample Description NES-18 NS-FCBF-HW 117-02 ***Collected:*** 2/5/2022 9:16:00 AM ***Lab ID:*** *012201971-0018*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	2/10/2022 KB	2/14/2022 19:34 VD

Client Sample Description NES-19 NS-FCBF-LR Boys-01 ***Collected:*** 2/5/2022 9:17:00 AM ***Lab ID:*** *012201971-0019*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	2/10/2022 KB	2/14/2022 19:36 VD

Client Sample Description NES-20 NS-FCBF-LR Boys-02 ***Collected:*** 2/5/2022 9:18:00 AM ***Lab ID:*** *012201971-0020*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	2/10/2022 KB	2/14/2022 19:37 VD

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:	012201971
CustomerID:	AERO50
CustomerPO:	
ProjectID:	

Attn: **Michael Berta**
AERO Environmental Services, Inc
275 Route 10 East
Suite 220-306
Succasunna, NJ 07876

Phone: (973) 920-9061
Fax: (973) 529-0335
Received: 2/9/2022 09:00 AM

Project: **Netcong ES DW 1st Draw**

Analytical Results

Client Sample Description NES-21
NS-Field Blank

Collected: 2/5/2022
9:25:00 AM

Lab ID: *012201971-0021*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*	*Analysis Date & Analyst*
METALS						
200.8	Lead	ND	1.00	µg/L	2/10/2022 KB	2/10/2022 21:39 KB

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: 012201971

Lead (Pb) Chain of Custody

EMSL Order ID *(Lab Use Only)*: 012201971

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE:856-858-4800
FAX:856-786-5971

Company : AERO Environmenal Services Inc.	EMSL-Bill to: ☐ Same ☐ Different If Bill to is Different note instructions in Comments**
Street: 275 Rt 10 East, Suite 220-306	*Third Party Billing requires written authorization from third party*
City: Succasunna / State/Province: NJ	Zip/Postal Code: 07876 / Country: USA
Report To (Name): Michael Berta	Telephone #: 973 920 9061
Email Address: mberta@aeroenvironmental.net	Fax #: 973 529 0335 / Purchase Order:
Project Name/Number: Netcong ES DW 1st Draw	Please Provide Results: ☐ Fax ☒ Email
U.S. State Samples Taken: NJ	CT Samples: ☐ Commercial/Taxable ☐ Residential/Tax Exempt

Turnaround Time (TAT) Options* - Please Check

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

**Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide*

Matrix	Method	Instrument	Reporting Limit	Check
Chips ☐ % by wt. ☐ mg/cm² ☐ 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* ASTM ☐ non ASTM ☐ *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 ☐ Preserved with HNO_3 pH < 2 ☐	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 ☐ Preserved with HNO_3 pH < 2 ☒ EC	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: Michael Berta **Signature of Sampler:** [signature]

	Sample #	Location	Volume/Area	Date/Time Sampled
1	NES-1	NS-FCBF-HW music room-01	250 ml	02/05/22 845
2	NES-2	NS-FCBF-HW music room-02	250 ml	02/05/22 847
3	NES-3	NS-FCBF- HW 201-01	250 ml	02/05/22 850
4	NES-4	NS-FCBF- HW 201-02	250 ml	02/05/22 852
5	NES-5	NS-FCBF- HW 206-01	250 ml	02/05/22 853

Client Sample #'s NES-1- NES-21 **Total # of Samples:** 21

Relinquished (Client): [signature]	**Date:** 2/8/22	**Time:** 1421	
Received (Lab): [signature] (WI)	**Date:** 2.8.22	**Time:** 226pm	

Comments: JM COURIER 2/8/22 8:05 pm

Entered 2/9/22 9:00 21 JM