The Scotch Plains-Fanwood Public Schools

512 Cedar Street Scotch Plains, New Jersey 07076

June 13, 2022

William J. McGinn Elementary School 1100 Roosevelt Avenue Scotch Plains, NJ 07076

Dear McGinn Community,

Our school system is committed to protecting student, teacher, and staff health. To protect our community and be in compliance with the Department of Education regulations, Scotch Plains - Fanwood School District tested our schools' drinking water for lead.

In accordance with the Department of Education regulations, William J. McGinn has implemented immediate remedial measures for any drinking water outlet with a result greater than the action level of 15 $\mu g/l$ (parts per billion [ppb]). This includes turning off the outlet unless it is determined the location must remain on for non-drinking purposes. In these cases, a "DO NOT DRINK – SAFE FOR HANDWASHING ONLY" sign will be posted.

Testing Results

Following instructions given in technical guidance developed by the New Jersey Department of Environmental Protection, we completed a plumbing profile for each of the buildings within Scotch Plains -Fanwood School District. Through this effort, we identified and tested all drinking water and food preparation outlets. Of the 37 samples taken, all but 1 tested below the lead action level established by the US Environmental Protection Agency for lead in drinking water (15 μ g/l [ppb]).

The table below identifies the drinking water outlets that tested above the 15 μ g/l for lead, the actual lead level, and what temporary remedial action Scotch Plains - Fanwood School District has taken to reduce the levels of lead at these locations.

Sample Location	First Draw Result in µg/l (ppb)	Remedial Action
Classroom 123 ID # MG.DW.FL.1.123	97.0 ug/L (ppb)	Disconnected outlet and posted signage "DO NOT DRINK - SAFE FOR HANDWASHING ONLY"

Health Effects of Lead

High levels of lead in drinking water can cause health problems. Lead is most dangerous for pregnant women, infants, and children under 6 years of age. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. Exposure to high levels of lead during pregnancy contributes to low birth weight and developmental delays in infants. In young children, lead exposure can lower IQ levels, affect hearing, reduce attention span, and hurt school performance. At *very* high levels, lead can even cause brain damage. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults.

How Lead Enters our Water

Lead is unusual among drinking water contaminants in that it seldom occurs naturally in water supplies like groundwater, rivers and lakes. Lead enters drinking water primarily as a result of the corrosion, or wearing away, of materials containing lead in the water distribution system and in building plumbing. These materials include lead-based solder used to join copper pipe, brass, and chrome-plated brass faucets. In 1986, Congress banned the use of lead solder containing greater than 0.2% lead, and restricted the lead content of faucets, pipes and other plumbing materials. However, even the lead in plumbing materials meeting these new requirements is subject to corrosion. When water stands in lead pipes or plumbing systems containing lead for several hours or more, the lead may dissolve into the drinking water. This means the first water drawn from the tap in the morning *may* contain fairly high levels of lead.

Lead in Drinking Water

Lead in drinking water, although rarely the sole cause of lead poisoning, can significantly increase a person's total lead exposure, particularly the exposure of children under the age of 6. EPA estimates that drinking water can make up 20% or more of a person's total exposure to lead.

For More Information

A copy of the test results is available in our central office for inspection by the public, including students, teachers, other school personnel, and parents, and can be viewed between the hours of 8:30 a.m. and 4:00 p.m. and are also available on our website at SPFK12.ORG. For more information about water quality in our schools, contact Jeanne Cleary at 908-232-6161 x 41601.

For more information on reducing lead exposure around your home and the health effects of lead, visit EPA's Web site at **www.epa.gov/lead**, call the National Lead Information Center at 800-424-LEAD, or contact your healthcare provider.

If you are concerned about lead exposure at this facility or in your home, you may want to ask your health care providers about testing children to determine levels of lead in their blood.

Sincerely, Jeanne Cleary J Director of Operations and Special Projects Scotch Plains - Fanwood Public Schools

Consultants, Inc. 20-21 Wagaraw Road - Bldg. 35E, Fair Lawn, NJ 07410 PH (973) 636-9145 Email: Envirovision@ontonline.net Email: Envirovision@optonline.net

CLIENT: Scotch Plains – Fanwood School District	Project No. 21-226
PROJECT: Lead (Pb) in Water Sampling	McGinn Elementary School
ADDRESS: 1100 Roosevelt Ave, Scotch Plains, NJ 07076	
FIELD TECHNICIAN(S) Jordan Prysko	
REPORT DATE: January 11, 2022	

As per your request, EnviroVision Consultants, Inc. was contracted by Scotch Plains – Fanwood School District to conduct Lead (Pb) in water sampling at the McGinn Elementary School on December 18, 2021. The sample locations, in addition to a unique sample location code was determined/assigned by school district personnel. The school district performed the proper flushing of outlets prior to sampling and EnviroVision was instructed to collect only first draw samples for this sampling event. The school district's corresponding flushing logs should be attached to this report.

The facility was closed at the time of sampling in order to prevent occupants from utilizing any water outlets. After flushing, the water in the facility must remain motionless in the plumbing fixtures for a minimum of 8 hours, but no more than 48 hours. Cold water samples were collected in pre-cleaned high-density polyethylene (HDPE) 250mL wide mouth bottles.

Samples were analyzed at EMSL Analytical Inc. in Cinnaminson, New Jersey *(NJDEP# 03036), accredited in accordance with NELAC (National Environmental Laboratory Accreditation Conference). The analytical method utilized was inductively coupled plasma mass spectrometry ICP-MS (EPA 200.8).

Thirty-seven of the thirty-nine initially requested samples were collected from McGinn Elementary School. Two outlets were out of service at the time of sampling. A blank sample was also collected as required.

Results: Thirty-six of the thirty-seven samples analyzed were either "None Detected" or less than the EPA established threshold for lead in drinking water of 15 parts per billion (ppb). The action level has been further defined for compliance by the New Jersey Department of Environmental Protection Agency as an amount greater than or equal to 15.5 ug/L (lug/L = 1ppb). When a water outlet/faucet meets or exceeds the USEPA/NJDEP threshold, EnviroVision recommends that the outlet/faucet be immediately put out of service until the system can be further evaluated and proper remedial action is achieved.



Page 2 (McGinn Elementary School)

Project Number 21-226

MCGINN ELEMENTARY SCHOOL - LEAD (Pb) in Water Results of Concern

Outlet ID/Sample Number	Location	Results
MG.DW.FL.1.123	Classroom 123	97.0 ug/L (ppb)

Due to the elevated levels in the above outlets, we recommend some or all of the following steps be taken at this time;

- Closure of the affected water outlet until the system can be further evaluated and proper remedial action is achieved.
- > Removal and replacement with non-containing lead fixtures
- Installation of filtration systems.
- Development of a Flushing Program for those taps high in lead and turbidity (this may include automatic flushing systems).
- Contact the local water utility company to obtain information about their corrosion control procedures and how it might affect the District's control plans.
- \succ Permanent closure of outlet(s).

Once the remedial action(s) are complete, follow up testing is required to ensure alterations/replacement to plumbing fixtures has lowered the amount of lead to acceptable levels.

I have also enclosed documents with detailed steps from the New Jersey Department of Environmental Protection regarding notifications that must be made, posting of results, and initial and long-term remedial requirements.

If you have any questions, or if we could be of any further assistance, please feel free to contact our office. EnviroVision looks forward to providing you with the service and attention to detail you have come to expect from us.

Sincerely, EnviroVision Consultants, Inc.

Cathy DiNardo

Cathy DiNardo, Project Manager

Attached: Lab results, Associated data sheets, DEP Overview of Lead in Drinking Water at School Facilities, DEP Guidance for Selecting a Remedial Measure for Lead Removal



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

1/5/2022

Frederick Larson EnviroVision Consultants, Inc 20-21 Wagaraw Rd Bldg 35E Fair Lawn, NJ 07410

Phone: (973) 636-9145 Fax: (973) 636-9144

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 12/20/2021. The results are tabulated on the attached data pages for the following client designated project:

21-226 Scotch Plains/Fanwood PS - McGinn ES

The reference number for these samples is EMSL Order #012115060. 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:

- W. Uh

Phillip Worby, Environmental Chemistry Laboratory Director



The test results contained within this report meet the requirements of NELAP and/or the specific cartification 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.

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	EMISL	EMSL Analytical, 200 Route 130 North, Cinnami Phone/Fax: (856) 303-2500, http://www.EMSL.com	inson, NJ 08077	1		EMSL Order: CustomerID: CustomerPO: ProjectID:	012115060 RAMA51 21-226
Attn:	20-21 Wag Bidg 35E	ion Consultants, Inc	;	Phone: Fax: Received:	(973) 636-9145 (973) 636-9144 12/20/2021 09:0	0 AM	
Proje	ct: 21-226 Sco	otch Plains/Fanwood PS - N	AcGinn ES				,
			Analytical	Results			
				.	40/40/0004	(- h /D-	040445060 0026

Client Sample Description	MG.DW.FI-1.152 Room 152	Collected:	12/18/2021 9:35:00 AM	Lab ID:	012115060-0036
Melhod P	araméter	RL Uni	(<u>s</u>)	Prep Date & Analyst	Analysis Date & Analyst
METALS 200.8		1.00.ug/		4/2022 KB-	1/4/2022 20:04 KB
Client Sample Description	MG.DW.FI-1.152A Room 152	Collected:	12/18/2021 9:36:00 AM	Lab ID:	012115060-0037
Method	araméter Result	RLUn	ls	Prep Date & Analyst	Analysis Date & Analyst
METALS 200.8	ead	1.00 µg/	Ens Mittal	4/2022 KB	1/4/2022 20:06 KB
Client Sample Description	MG-Błank	Collected:	12/18/2021 9:38:00 AM	Lab ID:	012115060-0038
Method	arameter Result	RL Un	í(s	Prep Date & Analyst	Analysis Date & Analyst
METALS 200.8		100 µg/	Quiini 网络马马马马马马马马马马马马马马马马马马马马马马马马马马马马马马马马马马马马	4/2022 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 (Analyticat) D - Dilution Sample required a dilution which was used to calculate final results

EMSL	EMSL C	Chain of Cust			- 11, 11, 11, 10, 10, 10, 10, 10, 10, 10,	130 North son, NJ 08077	
EMBL ANALYTICAL, INC. TETTHO LATE PROPUETE TRANK	0/2	115060		-125		INE: (800) 220 AIL: Chnaverso	
Customer ID: RAMA51	<u></u>	Balling ID	RAN	IA51	- 1 91		11-20-0
Company Name EnviroVision Co		5 Company	Nome: Envl	oVision Consul	ants, I	nc.	
S Comact Name: Frederick Larso		# # Loo	Ming Contact: Frederick Larson		······································		
Street Address: 20-21 Wagaraw Road, Bldg 35E City State. Ze: Fair Lawn, NJ 07410		SA g Cay, Stat		Wagaraw Road,	1.1.1.1.1.1.1.1.1	the second se	
City State. Zp: Fair Lawn, NJ 07410 County: U Phone: 973-636-9145		SA 8 Cay, Stat	t an	Lawn, NJ 07410		Country.	
Binal(s) for Report. Info@envirov	Islanconsultants com			636-9145 Jenvirovisioncons	illinete		·
		Project Information	mou			GOUR	
Name/Mo 21-226 Scotch Pla	ins/Fanwood PS - McC			Purchase Order: 21			
EMSL LBAS Project ID: (II epijestei Eusti wil trovide)		US State when painplos collect	NJ	State of Connecticut (CT) Commercial (Tax		project location: Residential (h	ion Taxabi
Samulad By Name	MSKO Sempled By Signature:	Jun	e.	ىلىمەتىمەت مەتتىكى يۈتۈنىيا تەرە تىلىمىيەت.	1.00.0000	No. of Samples In Stepment	
		In-Around-Time (TAT)			المستحدين. روينيندر ر		
3 Hour 6 Hour Please as	24 Hour 32 Hour I shand for large projects and/or lamatound times 8 Hours	48 Hout	72 Hour	96 Hour		Week 🗹	2 Week
MATRIX	METHOD	NSTRUM		REPORTING LIN		SELECT	M
CHIPS Thi by m. Deminental Dates	SW 846-70008	Flame Atomic	Absorption	0.008% (80ppm)		Ô	
Reporting Limit based on a minimum 0.250 sample weight	SW 846-6010D	KP-O	ES .	0.0004% (4ppm)			
	NIOSH 7082	Flame Alomic ,	Absorption	4 jig/liner			
AIR	NIOSH 7300M / NIOSH 7303M	ICP-OI	8 8	0.6µg/fitter		—	····.
	NIOSH 7300M / NIOSH 7303M	icp-M	S	Q.05µg/filter			
	SW 846-7000B	Flame Atomic	Absorption	10µg/wipe			
"If no box is checked, non-ASTM Wipe is assumed	SW 845-6010D*	KP-O	S	1.0µg/wipe			
TCLP	SW 846-1311 / 7000B / SM 3111B SW 846-1311 / SW 848-60100*	Flame Atomic /	The second s	0.4 mg/L (ppm) 0.1 mg/L (ppm)		<u> </u>	
Set of the	SW 845-1312 / 70008 / SM 3111B	Flame Atomic	and the second	0.4 mg/L (ppm)			
	SW 845-1312 / SW 846-6010D* 22 CCR App. II, 70008	Fleme Alomic	and the state of the second	0.1 mg/L (ppm)			
TTLC	22 CCR App. II, SW 846-6010D*	ICP-O		40mg/kg (ppm) 2mg/kg (ppm)			
STLC	22 CCR App. II, 70008	Flame Atomic / TCP-OF		0.4 mg/L (ppm) 0,1 mg/L (ppm)		1 1 1	
Sol	22 CCR App. II, SW 848-60100* SW 846-70008	Flame Alignite	<u> </u>	40mg/kg (ppm)			
Waster	SW 846-6010D* SM 3(118 / SW 846-70008	ICP-Ot Fierrie Atomic /	the second s	2mg/kg (ppm) 0.4 mg/L (ppm)			
	EPA 200.7	icp-oi		0,020 mg/L (ppm)			·····
Preserved with HNO3 PH <z Drinking Water</z 	EPA 200.5	ICP OF	S	0,003 mg/L (ppm)		i i i i i i i i i i i i i i i i i i i	
Unpreserved Preserved with HINO3	10 198 EPA 200.8	КР-М	s	0.001 mg/L (ppm			
TSP/SPM Filter	40 CFR Part 50	ICP-OF		12 µg/litter			·····
Other:					-		* 10- 10-00
					<u></u> _	ن د کار بناره بار هند. موتند	
Sample Number	Semple Location			lume / Area		Date / Time Samp)73
Mb.WC.F1-1.159A	Halfwany at 69				112/4	STAL US	<u>25</u>
Gn 6. TL FI-1. 115	Lion 115	an all and a second				08	(37
MU.WC.FI-J.MPR	Koom III					0{	(90
Mbr. WC. FI-1.10-14	Unitivan at 112	<u></u>		· · · · ·			43
Mb.WC. FI-112-14	Dallers at 112	••••••••••••••••••••••••••••••••••••••	na an a	Constant and the second se	V	0	3441
Neithind of Billioment.							
Relaguished by:	Date/Time:	112a Reactived	5 An m	als	Date	18/71 11	29
Rolingial artist		Repetred	by we	Land .	Date/Tim		
Contractor Contractor		Deterformer J2118/21 100 CA valiable Upon Request		125 PM	12	100101	9/00
	AGREE TO ELECTRONIC SIGNATU	RE (By chiecking, I consid				Practice A	TH T
SMSL Loublied fitc.'s Laboratory Terms	end Conditions are incorporated into this Ci	tein of Custody by refere	nce in their entrei inditions by Custo	y. Submission of samples	TH EMOL	Analytical, Inc. cor	sticles

OrderID: 012115060	Lead Chain of Cust	Lead Chain of Custody			
EMSL ANALYTICAL, INC.	0/2/15060	0/2/15060			
	energy if needed for additional sample information Special instructions and/or Regulatory Regulatements (Sample Specifications,	Processing Methods, Limits of Detection	EMAIL: Christinson escletation	emsi.com	
MCGINN E	6				
Bainple Number	Sample Location	Sample Location Volume / Area			
6 Nb. WC. FI-1 . 112-18F	Hallway at 112		12/18/2 2845	1	
7 MG. DW. FI-1. 104	L. Lum 1324		1 08247]	
8 Mb. Dw. FI-1. 103	Lion 103	and the second	0849		
9 Mb. DW.FI-1. 105	Room 105		1851		
10 Mb. Ow. F1-2. 105	1 Dom 102		0850		
11 Mb. Qw.F1.2.108	Lion 102		0853		
12 MU. Dw . FT-2. 121			0855		
13 MO. DW. FI- 1.116			0857	.	
14 M6, DW. FI-1. 117			0 868		
15 MG, Dw, F1-2, 119	Rum 119		0859	ini. Refe	
16 MG. DW. FHI. 10	D Riggi 120		0901	al contraction	
17 MG. DW. FI-1.12	1 Rum 121		0903		
18 Mb. Ow. F1-2-123			2090		
19 MG, DW, FI- 2 128	(A)		0906		
20 M.b. Dw. FI-1. 121	75	· · · · · · · · · · · · · · · · · · ·	0908	1 1 4 1993	
21 NO. WOF1-1 1420L	Hallings of 142	i in an	0912		
22 MB WE .FI-1. 142AU	Hallwan at 142	<u>, , , , , , , , , , , , , , , , , , , </u>	0913	,	
13 MO.WL. 5)-1.142ABE			D914		
24 mb, OW. FI-1.130	lion 130	······································	09 Castan		
25 NO. DW. FI-2. B	Rion para 131		098	連続	
26 Mb. Qw. FI-1. 130	Prom 132		0920	が開いた。	
27 MG. Dw F1-1 133	Pian 133		0922	3454 21	
28 Mb. Dw. FI-1 134	- Marine -	n an	0923		
29 MG. Dw. FT-2. 13	1 11 1222		0924		
30 M.G. Qu. FT-1. 136	D 12	1	V 0925		
Mathod of Shipment:		ondition Upon Receipt			
Reinquished by: J. Aum 2.C	Date Trate: 12/18/21 109 Record	Din Jan do	12/18/21 1179		
Restriction of DINGIO	B Deterring Backwood	by	Ditte/Titte		
Constant Configuration CDC-26 Law R15 41192021	AGREE TO ELECTRONIC SIGNATURE (By checking, I consort				
EMSE Analytical, Inc.'s Laboratory Ter	ms and Conditions are incorporated into this Chain of Custody by refer acceptance and acknowledgment of all terms and co	nce in their entirety, Submission of a inditions by Customer.	amples to ENBL Analytical, inc. constitutive		
			Page 2 of 2		
	Page 2 Of 3				

EMSE		Lead Chain c	f Custody List Line Chity	EMSL Analytical, Inc. 200 Route 130 North 200 Route 130 North Chnaminision, NJ 08077		
	NAMEL ANALY TICAL INC. The Relation of the Control of Control on Long Tenness Tenness	a de la seconda de la secon	15060	PHONE: (800) 220 3675 EMAIL: Chromanal sectors		
	MCGINN ES	donas aurou sa Krisicu A Ciatroninaise (Sandrie Si	ecologians, Processing Methods, Linids of Delection.	****)		
	Sample Number	Sampis Location	Volume / Area	Date / Three Sampled		
31	MG. Qw. F1. 2. 137	Room 137		12/18/21 8927		
32	M6-Dw.F1-7.148	Rum 148		12/18/21 8930		
33	NU. Dw. F. 1. 149	Loom 141		1 0932		
34	MU. DW. F1.2. 60	Rion 150		0933		
35	MO.DW. F. 1.151	Russist		0934		
36	MG. DW. F1-1. 152	Rion 152	in de la constance de la const La constance de la constance de	0935		
37	MU. DW FI-1. 1527	Room 152		4 0936		
38	MG-Blank		an Barine and Baranda Yang di Kabupatén na Kabupatén ng Kabupatén ng Kabupatén ng Kabupatén ng Kabupatén ng Kab Kabupatén	0938		
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		······································	Sample Condition Upon Receipt			
	Mentiod of Shipment	Data Time:	Received by	DeterTing		
	Retrivisted by J Keyne	13/18/21 1129	(D) Navo	12/18/21 1129 Data/Three		
Ę	DIN ando	1415/21				
	Armiyiles, inc.'s Laboratory Terms and Condi	IREE TO ELECTRONIC SIGNATURE (By check) Kome are incorporated into this Chain of Custo	ng, I consent to signing this Chilin of Custody doctime by by reference in their entirety. Submission of se	ning and have an anyther of		
		acceptance and acknowledgment of all t	imia and conditiona by Gualonwr.			
				Page 2012		