



*Effective and Economical
Environmental Solutions*

**Lead-in-Drinking Water Screening
Patrick McGaheran Elementary School
63 Allerton Road
Lebanon, NJ 08833**

Karl Environmental Group Project #: 21-0738D

August 19, 2021

Prepared for:

Mr. Frank Bolognini
Buildings & Grounds Supervisor
Clinton Township School District
128 Cokesbury Road
Lebanon, NJ 08833

Prepared by:

Karl Environmental Group
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Mohnton, PA 19540
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Web: www.karlenv.com

August 19, 2021

Mr. Frank Bolognini
Buildings & Grounds Supervisor
Clinton Township School District
128 Cokesbury Road
Lebanon, NJ 08833

**Re: Lead-in-Drinking Water Screening
Clinton Township School District
Patrick McGaheran School
Karl Environmental Group Project #: 21-0738D**

Dear Mr. Bolognini:

Thank you for selecting Karl Environmental Group ("Karl") for this project. This report details the methods and findings of the lead in drinking water services as per New Jersey state regulations (amendments to N.J.A.C 6A:26 Educational Facilities) performed at the Patrick McGaheran Elementary School (the "Facility"), on August 4, 2021.

1.0 PROJECT BACKGROUND

Karl Environmental was contacted by Mr. Frank Bolognini of the Clinton Township School District (the "Client") to conduct lead in drinking water sampling to determine the lead content of drinking water from sources throughout the Facility. The purpose of lead in drinking water sampling is to determine if any sampled drinking water sources exhibit lead levels exceeding the Regulatory Action Level of 15 parts per billion (ppb).

Drinking water collection points included any water sources from which a student, staff, or faculty may reasonably drink; or from which the water may be used for cooking or beverage preparation, including kitchen faucets and sinks in Faculty/Staff lounges.



2.0 LEAD IN DRINKING WATER

Lead is a toxic substance that can be harmful to human health. As compared to adults, children are more susceptible to the detrimental health effects of lead, as their nervous systems are not yet fully developed. Exposure to lead can occur in a variety of ways including through food, soil, deteriorating lead-based paint, and drinking water. Lead can leach into drinking water from plumbing materials such as pipes and solder, as well as brass plumbing fixtures. For this investigation, planning, preparation, methodology, sampling, and follow-up actions were conducted according to the technical guidance provided by New Jersey following the adoption of amendments to N.J.A.C. 6A:26: Educational Facilities, requiring the sampling of drinking water for lead in schools.

3.0 DRINKING WATER SAMPLING METHODOLOGY

Karl Environmental collected drinking water samples from water outlets throughout the Patrick McGaheeran Elementary School facility. At each collection point, Karl Environmental filled a 250 milliliter (mL) wide-mouth high density polyethylene (HDPE) sample collection bottle from the selected water source. Samples were collected after the water in each building had not been used for at least 8 hours, but not more than 48 hours. Samples were preserved using concentrated Nitric Acid (HNO_3). The initial sample at each collection point represents the first draw sample. The first draw sample is representative of the water from the end point of the water source (i.e., the bubbler or tap).

A field blank using lead-free laboratory reagent water was also collected at each Facility during the sampling event to rule out contamination of samples during the collection and transportation process. All samples were recorded under proper chain of custody and couriered to Suburban Testing Labs (Suburban), a New Jersey certified laboratory (NJ Lab ID #PA081) located in Reading, Pennsylvania for analysis by EPA method 200.8, NJ DOE. During the sampling event on August 4, 2021, Karl Environmental collected the following number of samples at the facility:

Patrick McGaheeran School

- Twenty-One First Draw Samples
- One Field Blank



4.0 DRINKING WATER ANALYSIS RESULTS

The analytical lead in drinking water results for each sample collected are listed below:

Table 1: Patrick McGaheran Elementary School – August 4, 2021

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
PME-BLANK	Field Blank	<1.00	No
PME-01-KIT-FP1-P	Sink	7.04	No
PME-01-KIT-FP2-P	Sink	25.1	Yes
PME-01-KIT-FP3-P	Sink	10.9	No
PME-01-H GYM-WC-P	Water Fountain	<1.00	No
PME-01-H GYM-WC2-P	Water Fountain	<1.00	No
PME-01-NURSE-NS-P	Sink	3.76	No
PME-01-NURSE-DW-P	Water Fountain	<1.00	No
PME-01-MO CONF-TP-P	Sink	4.11	No
PME-01-FACULTY-TF-P	Sink	6.79	No
PME-01-H A-6-WC1-P	Water Fountain	<1.00	No
PME-01-H A-6-BF1-P	Bottle Filler	<1.00	No
PME-01-H Custodial WC1-P	Water Fountain	34.3	YES
PME-01-H Custodial WC2-P	Water Fountain	<1.00	No
PME-01-H Custodial BF2-P	Bottle Filler	<1.00	No
PME-01-H 42-WC1-P	Water Fountain	<1.00	No
PME-01-H 42-BF1-P	Bottle Filler	<1.00	No
PME-01-KIT-FP4-P	Sink	11.0	No
PME-01-KIT-FP5-P	Sink	12.8	No
PME-01-KIT-FP5-P	Sink	14.4	No
PME-01-KIT-FP5-P	Sink	20.9	Yes
PME-01-LIB-28B-P	Sink	84.1	Yes

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling four (4) outlets at the Patrick McGaheran School exceeded the Action Level. Upon receipt of results the District was notified and removed the outlets from service.



5.0 CONCLUSIONS & RECOMMENDATIONS

Karl Environmental Group collected first draw samples from drinking water sources throughout the Patrick McGaheran Elementary School of the Clinton Township Board of Education. First draw sample results indicated that of the Twenty-One samples collected, four of the samples exhibited lead levels above the Regulatory Action Level of 15 ppb. At the conclusion of the lead in drinking water services, Karl Environmental offers the following recommendations at this time:

- The District should perform second draw flush sampling of each outlet exceeding the regulatory action level of 15ppb prior to placing outlets in service.
- Continue to monitor lead in drinking water levels as part of a regular sampling and maintenance plan, as per New Jersey State regulations. Amendments will require district-wide sampling every three (3) years.
- In the interim, when drinking water outlets are replaced/added, or the plumbing is disturbed, sampling of the impacted outlets should be completed to determine if lead levels were affected.
- Implement an aerator cleaning maintenance program to prevent the build-up of debris behind the screen which may contribute to elevated lead levels.
- Enter all filter maintenance, aerator maintenance, plumbing repairs/changes and any other pertinent information into the Field Log Book for each Facility.
- Use only cold water for food and beverage preparation. Hot water is more likely to contribute to the corrosion of plumbing materials and therefore contain a greater level of contaminants from the plumbing system.



6.0 LIMITATIONS

This investigation focused on lead in drinking water only. No other heavy metals or additional contaminants were sampled for or analyzed. Lead concentrations can change as water continues to move through the water system. Each sample was a grab sample and represents lead concentrations only at the specific time of collection and may vary based on the water usage in the facility. Interpretation of these results is only valid if the facility is serviced by a municipal water supplier or water utility.

This lead sampling event was in response to the amendments to N.J.A.C. 6A:26, Educational Facilities dated July 13, 2016, which requires testing for lead in the drinking water of public and charter school districts every three (3) years.

7.0 CLOSING

Thank you for using Karl to assist you with this project. Please do not hesitate to call if you have any questions relating to this report or for any other environmental health and safety concerns.

Respectfully submitted,
Karl Environmental Group

Aja Slater

Aja Slater
Industrial Hygienist
aslater@karlenv.com
610-856-7700 (Office)
610-856-5040 (Fax)

Attachments:
A – Laboratory Analytical Report



Attachment A
Laboratory Analytical Results



Results Report

Order ID: 1H02201

Karl Environmental Group
20 Lauck Road
Mohnton, PA 19540

Project: Clinton Township School District

Attn: Jake Edwards

Regulatory ID:

Sample Number: 1H02201-01 Site: PME-BLANK Sample ID: Patrick McGaheran Elementary
Collector: JE Collect Date: 08/04/2021 6:16 am Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead < 1.00 µg/L EPA 200.8 1.00 1 08/05/21 TAH 08/16/21 18:09 RPV

Sample Number: 1H02201-02 Site: PME-01-KIT-FP1-P Sample ID: Patrick McGaheran Elementary
Collector: JE Collect Date: 08/04/2021 6:16 am Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead 7.04 µg/L EPA 200.8 1.00 1 08/05/21 TAH 08/16/21 18:21 RPV

Sample Number: 1H02201-03 Site: PME-01-KIT-FP2-P Sample ID: Patrick McGaheran Elementary
Collector: JE Collect Date: 08/04/2021 6:16 am Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead 25.1 µg/L EPA 200.8 1.00 1 08/05/21 TAH 08/16/21 18:23 RPV

Sample Number: 1H02201-04 Site: PME-01-KIT-FP3-P Sample ID: Patrick McGaheran Elementary
Collector: JE Collect Date: 08/04/2021 6:16 am Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead 10.9 µg/L EPA 200.8 1.00 1 08/05/21 TAH 08/16/21 18:26 RPV

Sample Number: 1H02201-05 Site: PME-01-H GYM-WC1-P Sample ID: Patrick McGaheran Elementary
Collector: JE Collect Date: 08/04/2021 6:22 am Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead < 1.00 µg/L EPA 200.8 1.00 1 08/05/21 TAH 08/16/21 18:28 RPV

Report Generated On: 08/17/2021 2:04 pm 1H02201
STL_Results Revision #1.9 Effective: 04/16/2020





SUBURBAN TESTING LABS

Sample Number: 1H02201-06	Site: PME-01-H GYM-WC2-P	Sample ID: Bottle Filler
Collector: JE	Collect Date: 08/04/2021 6:22 am	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead	< 1.00	µg/L	EPA 200.8	1.00	1	08/05/21	TAH	08/16/21 17:04	RPV
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Sample Number: 1H02201-07	Site: PME-01-NURSE-NS-P	Sample ID: Patrick McGaheran Elementary
Collector: JE	Collect Date: 08/04/2021 6:27 am	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead	3.76	µg/L	EPA 200.8	1.00	1	08/05/21	TAH	08/16/21 17:10	RPV
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Sample Number: 1H02201-08	Site: PME-01-NURSE-DW-P	Sample ID: Patrick McGaheran Elementary
Collector: JE	Collect Date: 08/04/2021 6:27 am	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead	< 1.00	µg/L	EPA 200.8	1.00	1	08/05/21	TAH	08/16/21 17:13	RPV
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Sample Number: 1H02201-09	Site: PME-01-MO CONF-TF-P	Sample ID: Patrick McGaheran Elementary
Collector: JE	Collect Date: 08/04/2021 6:29 am	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead	4.11	µg/L	EPA 200.8	1.00	1	08/05/21	TAH	08/16/21 17:15	RPV
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Sample Number: 1H02201-10	Site: PME-01-FACULTY-TF-P	Sample ID: Patrick McGaheran Elementary
Collector: JE	Collect Date: 08/04/2021 6:32 am	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead	6.79	µg/L	EPA 200.8	1.00	1	08/05/21	TAH	08/16/21 17:17	RPV
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Sample Number: 1H02201-11	Site: PME-01-H A-6-WC1-P	Sample ID: Patrick McGaheran Elementary
Collector: JE	Collect Date: 08/04/2021 6:33 am	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead	< 1.00	µg/L	EPA 200.8	1.00	1	08/05/21	TAH	08/16/21 17:19	RPV
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Sample Number: 1H02201-12	Site: PME-01-H-A-6-BF1-P	Sample ID: Patrick McGaheran Elementary
Collector: JE	Collect Date: 08/04/2021 6:33 am	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead	< 1.00	µg/L	EPA 200.8	1.00	1	08/05/21	TAH	08/16/21 17:26	RPV
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Report Generated On: 08/17/2021 2:04 pm 1H02201
 STL_Results Revision #1.9 Effective: 04/16/2020





Sample Number: 1H02201-13	Site: PME-01-H CUSTODIAL WC1-P	Sample ID: Patrick McGaheran Elementary
Collector: JE	Collect Date: 08/04/2021 6:43 am	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead	34.3	µg/L	EPA 200.8	1.00	1	08/05/21	TAH	08/16/21 17:28	RPV
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Sample Number: 1H02201-14	Site: PME-01-H CUSTODIAL WC2-P	Sample ID: Patrick McGaheran Elementary
Collector: JE	Collect Date: 08/04/2021 6:43 am	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead	< 1.00	µg/L	EPA 200.8	1.00	1	08/05/21	TAH	08/16/21 17:30	RPV
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Sample Number: 1H02201-15	Site: PME-01-H CUSTODIAL BF2-P	Sample ID: Patrick McGaheran Elementary
Collector: JE	Collect Date: 08/04/2021 6:43 am	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead	< 1.00	µg/L	EPA 200.8	1.00	1	08/05/21	TAH	08/16/21 17:33	RPV
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Sample Number: 1H02201-16	Site: PME-01-H 42-WC1-P	Sample ID: Patrick McGaheran Elementary
Collector: JE	Collect Date: 08/04/2021 6:47 am	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead	< 1.00	µg/L	EPA 200.8	1.00	1	08/05/21	TAH	08/16/21 17:35	RPV
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Sample Number: 1H02201-17	Site: PME-01-H 42-BF1-P	Sample ID: Patrick McGaheran Elementary
Collector: JE	Collect Date: 08/04/2021 6:47 am	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead	< 1.00	µg/L	EPA 200.8	1.00	1	08/05/21	TAH	08/16/21 17:37	RPV
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Sample Number: 1H02201-18	Site: PME-01-KIT-FP4-P	Sample ID: Left Sink
Collector: JE	Collect Date: 08/04/2021 6:16 am	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead	11.0	µg/L	EPA 200.8	1.00	1	08/05/21	TAH	08/16/21 17:40	RPV
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Sample Number: 1H02201-19	Site: PME-01-KIT-FP5-P	Sample ID: Right Sink
Collector: JE	Collect Date: 08/04/2021 6:16 am	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead	12.8	µg/L	EPA 200.8	1.00	1	08/05/21	TAH	08/16/21 17:42	RPV
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Report Generated On: 08/17/2021 2:04 pm 1H02201
 STL_Results Revision #1.9 Effective: 04/16/2020





Sample Number: 1H02201-20	Site: PME-01-KIT-FP6-P	Sample ID: Left Sink
Collector: JE	Collect Date: 08/04/2021 6:16 am	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead	14.4	µg/L	EPA 200.8	1.00	1	08/05/21	TAH	08/16/21 17:44	RPV
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Sample Number: 1H02201-21	Site: PME-01-KIT-FP7-P	Sample ID: Right Sink
Collector: JE	Collect Date: 08/04/2021 6:16 am	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead	20.9	µg/L	EPA 200.8	1.00	1	08/05/21	TAH	08/16/21 17:47	RPV
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Sample Number: 1H02201-22	Site: PME-01-LIB-28B-01	Sample ID: Patrick McGaheran Elementary
Collector: JE	Collect Date: 08/04/2021 6:38 am	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead	84.1	µg/L	EPA 200.8	1.00	1	08/05/21	TAH	08/16/21 17:53	RPV
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Sample Receipt Conditions:

All samples met the sample receipt requirements for the relevant analyses.

The test *pH, Lab* is performed in the Laboratory as soon as possible. These results are not appropriate for compliance with NPDES, SDWA, or other regulatory programs that require analysis within 15 minutes of sample collection and should be considered for informational purposes only.

**pH, Final* for ASTM leachate is performed by method SM 4500-H-B.

All results meet the requirements of STL's TNI (NELAC) Accredited Quality System unless otherwise noted. If your results contain any data qualifiers or comments, you should evaluate useability relative to your needs.

If collectors initials include "STL", samples have been collected in accordance with STL SOP SL0015.

All results reported on an As Received (Wet Weight) basis unless otherwise noted.

This laboratory report may not be reproduced, except in full, without the written approval of STL.

Results are considered Preliminary unless report is signed by authorized representative of STL.

Reviewed and Released By:

Ryan F Knerr
Project Manager II

Report Generated On: 08/17/2021 2:04 pm 1H02201
STL_Results Revision #1.9 Effective: 04/16/2020





1H02201
Ryan F Knerr

TAT (Check One): Standard 24hr 48hr 72hr Other
(Additional charges may apply for rush TAT. If not specified, standard TAT will apply)

Order ID: _____

Client Name: Karl Environmental Group
 Address: 20 Lauck Road Phone: 610-856-07700
Mohnton PA 19540 Email: aslater@karlenv.com
 Contact Name: Aja Slater/ Jake Edwards P.O. Info: _____

Address: Clinton Township School District 21-0738
Patrick McGaheran Elementary
63 Allerton Road, Lebanon NJ 08833
 Regulatory ID (SDWA/Permit #): _____

Comments: NJ DOE Lead in Drinking Water - Page 1

STL Sample Number	Sample Description / Site ID: NR 8/4/21	Date Sampled	Time Sampled	Samplers Initials	Test(s) Requested:	Bottle Quantity	See Codes Below				Comments / Field Data:	
							Matrix	Sample Type	Bottle Type	Preservative		
(8) 230 mL P HNO3 Preserved w/ 20 drops HNO3 - pH 2												
★ PME-BLANK		8/4/2021	6:16	JE	Lead, 200.8, NJ DOE	1	PW	G	P	H	Field Blank	
PME-01-KIT-FP1-P		8/4/2021	6:16	JE	Lead, 200.8, NJ DOE	1	PW	G	P	H		
PME-01-KIT-FP2-P		8/4/2021	6:16	JE	Lead, 200.8, NJ DOE	1	PW	G	P	H		
PME-01-KIT-FP3-P		8/4/2021	6:16	JE	Lead, 200.8, NJ DOE	1	PW	G	P	H		
PME-01-H GYM-WC1-P		8/4/2021	6:22	JE	Lead, 200.8, NJ DOE	1	PW	G	P	H		
PME-01-H GYM-WC2-P		8/4/2021	6:22	JE	Lead, 200.8, NJ DOE	1	PW	G	P	H	Bottle Filler	
PME-01-NURSE-NS-P		8/4/2021	6:27	JE	Lead, 200.8, NJ DOE	1	PW	G	P	H		
✓ PME-01-NURSE-DW-P		8/4/2021	6:27	JE	Lead, 200.8, NJ DOE	1	PW	G	P	H		

Relinquished By: <u>[Signature]</u>	Count: <u>8</u>	Date: <u>8/4/21</u>	Temp °C: _____	Sample Conditions	Matrix Key	Bottle Type Key
Received By: _____		Date: _____	Temp °C: _____	Submitted with COC? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	NPW = Non-Potable Water	P = Plastic
Relinquished By: _____		Date: _____	Temp °C: _____	Number of containers match number on COC? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Solid = Raw Sludge, Dewatered sludge, soil, etc. (reported as mg/kg)	G = Glass
Received in Lab By: <u>[Signature]</u>	Count: <u>8</u>	Date: <u>8/4/21</u>	Temp °C: <u>17.6</u>	All containers in tact? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PW = Potable Water (not for SDWA compliance)	GA = Glass Amber
		Date: _____	Temp °C: _____	Tests within holding times? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	SDWA = Safe Drinking Water Act Potable Sample	VOA = 40mL G or GA
		Date: _____	Temp °C: _____	40 mL VOA vials free of headspace? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Sample Type Key	Preservative Key
		Date: _____	Temp °C: _____		G = Grab	A = Ascorbic Acid
		Date: _____	Temp °C: _____		C = Composite	C = HCl
		Date: _____	Temp °C: _____		8HC = 8 Hr. Composite	H = HNO3
		Date: _____	Temp °C: _____		24HC = 24 Hr. Composite	N = Sodium Thiosulfate
		Date: _____	Temp °C: _____			OH = NaOH
		Date: _____	Temp °C: _____			S = H2SO4
		Date: _____	Temp °C: _____			O = Other
		Date: _____	Temp °C: _____			NA = None Required

Signing this form indicates your agreement with STL's Standard Terms and Conditions unless otherwise specified in writing. SLF059 Rev. 1.5 Effective April 24, 2020. Shaded areas are for STL use only.



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1H02201
Ryan F Kherr

TAT (Check One): Standard 24hr 48hr 72hr Other
(Additional charges may apply for rush TAT. If not specified, standard TAT will apply)

Order ID: _____

Client Name: Karl Environmental Group

Address: 20 Lauck Road
Mohnton PA 19540

Phone: 610-630-0110

Email: aslater@karlenv.com

Contact Name: Aja Slater/ Jake Edwards

P.O. Info: _____

Clinton Township School District 21-0738

Address: Patrick McGaheran Elementary

63 Allerton Road, Lebanon NJ 08833

Regulatory ID (SDWA/Permit #): _____

Comments:

NJ DOE Lead in Drinking Water - Page 2

STL Sample Number	Sample Description / Site ID:	Date Sampled	Time Sampled	Samplers Initials	Test(s) Requested:	Bottle Quantity	See Codes Below				Comments / Field Data:
							Matrix	Sample Type	Bottle Type	Preservative	
	<i>* - Preserved w/ 20 drops HNO3 - pH < 2</i> <i>NR 8/4/21</i>				<i>Δ - Preserved w/ 30 drops HNO3 - pH < 2</i> <i>NR 8/4/21</i>						
<i>*</i>	PME-01-MO CONF-TF-P ✓	8/4/2021	6:29	JE	Lead, 200.8, NJ DOE	1	PW	G	P	H	
	PME-01-FACULTY-TF-P ✓	8/4/2021	6:32	JE	Lead, 200.8, NJ DOE	1	PW	G	P	H	
	PME-01-H A-6-WC1-P ✓	8/4/2021	6:33	JE	Lead, 200.8, NJ DOE	1	PW	G	P	H	
	PME-01-H-A-6-BF1-P ✓	8/4/2021	6:33	JE	Lead, 200.8, NJ DOE	1	PW	G	P	H	
	PME-01-H CUSTODIAL WC1-P ✓	8/4/2021	6:43	JE	Lead, 200.8, NJ DOE	1	PW	G	P	H	
	PME-01-H CUSTODIAL WC2-P ✓	8/4/2021	6:43	JE	Lead, 200.8, NJ DOE	1	PW	G	P	H	
<i>✓</i>	PME-01-H CUSTODIAL BF2-P ✓	8/4/2021	6:43	JE	Lead, 200.8, NJ DOE	1	PW	G	P	H	
<i>Δ</i>	PME-01-H 42-WC1-P ✓	8/4/2021	6:47	JE	Lead, 200.8, NJ DOE	1	PW	G	P	H	

(8) 250 mL P HNO3

Relinquished By: <i>[Signature]</i>	Count: <i>8</i>	Date: <i>8/4/21</i>	Temp °C: _____	Sample Conditions	Matrix Key	Bottle Type Key
Received By: _____		Date: _____	Temp °C: _____	Submitted with COC? <i>01</i> N	NPW = Non-Potable Water	P = Plastic G = Glass
		Date: _____	Temp °C: _____	Number of containers match number on COC? <i>01</i> N	Solid = Raw Sludge, Dewatered sludge, soil, etc. (reported as mg/kg)	PP = Sterile Polypropylene PS = Sterile Polystyrene
Relinquished By: _____		Date: _____	Temp °C: _____	All containers in tact? <i>01</i> N	PW = Potable Water (not for SDWA compliance)	GA = Glass Amber HDPE = High Density Polyethylene
Received in Lab By: <i>[Signature]</i>	<i>8</i>	Date: <i>8/4/21</i>	Temp °C: <i>17.6</i>	Tests within holding times? <i>01</i> N	SDWA = Safe Drinking Water Act Potable Sample	VOA = 40mL G or GA O = Other
		Date: _____	Temp °C: _____	40 mL VOA vials free of headspace? <i>Y/N</i>	Sample Type Key	Preservative Key
		Date: _____	Temp °C: _____		G = Grab C = Composite 8HC = 8 Hr. Composite 24HC = 24 Hr. Composite	A = Ascorbic Acid C = HCl H = HNO3 N = Sodium Thiosulfate
		Date: _____	Temp °C: _____		SDWA Sample Types	OH = NaOH S = H2SO4 O = Other NA = None Required

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1H02201
Ryan F Knerr

TAT(Check One): Standard 24hr 48hr 72hr Other
(Additional charges may apply for rush TAT. If not specified, standard TAT will apply)

Order ID: _____

Client Name: Karl Environmental Group
 Address: 20 Lauck Road Phone: 610-856-07700
Mohnton PA 19540 Email: aslater@karlenv.com
 Contact Name: Aja Slater/ Jake Edwards P.O. Info: _____

Client Name: Clinton Township School District 21-0738
 Address: Patrick McGaheran Elementary
63 Allerton Road, Lebanon NJ 08833
 Regulatory ID (SDWA/Permit #): _____

Comments: NJ DOE Lead in Drinking Water - Page 3

STL Sample Number	Sample Description / Site ID:	Date Sampled	Time Sampled	Samplers Initials	Test(s) Requested:	Bottle Quantity	See Codes Below				Comments / Field Data:	
							Matrix	Sample Type	Bottle Type	Preservative		
(6) 250 mL PHNO3 * - Preserved w/ 20 drops HNO3 - pH 2	NR 8/4/21											
✓	PME-01-H 42-BF1-P pH 2	8/4/2021	6:47	JE	Lead, 200.8, NJ DOE	1	PW	G	P	H		
★	PME-01-KIT-FP4-P	8/4/2021	6:16	JE	Lead, 200.8, NJ DOE	1	PW	G	P	H	Left Sink	
↓	PME-01-KIT-FP5-P	8/4/2021	6:16	JE	Lead, 200.8, NJ DOE	1	PW	G	P	H	Right Sink	
↓	PME-01-KIT-FP6-P	8/4/2021	6:16	JE	Lead, 200.8, NJ DOE	1	PW	G	P	H	Left Sink	
↓	PME-01-KIT-FP7-P	8/4/2021	6:16	JE	Lead, 200.8, NJ DOE	1	PW	G	P	H	Right Sink	
✓	PME-01-LIB-28B-01	8/4/2021	6:38	JE	Lead 200.8, NJDOE	1	PW	G	P	H		

Relinquished By: <u>[Signature]</u>	Count: <u>8</u>	Date: <u>8/4/21</u>	Temp °C: _____	Sample Conditions Submitted with COC? Y / N Number of containers match number on COC? Y / N All containers in tact? Y / N Tests within holding times? Y / N 40 mL VOA vials free of headspace? Y / N	Matrix Key NPW = Non-Potable Water Solid = Raw Sludge, Dewatered sludge, soil, etc. (reported as mg/kg) PW = Potable Water (not for SDWA compliance) SDWA = Safe Drinking Water Act Potable Sample	Bottle Type Key P = Plastic G = Glass GA = Glass Amber VOA = 40mL G or GA PP = Sterile Polypropylene PS = Sterile Polystyrene HDPE = High Density Polyethylene O = Other
Received By:	Date: _____	Temp °C: _____	Acceptable: Y / N			
Relinquished By:	Date: _____	Temp °C: _____	Acceptable: Y / N	Sample Type Key G = Grab C = Composite 8HC = 8 Hr. Composite 24HC = 24 Hr. Composite	SDWA Sample Types D=Distribution E=Entry Point R=Raw C=Check S=Special M=Maximum Residence	Preservative Key A = Ascorbic Acid C = HCl H = HNO ₃ N = Sodium Thiosulfate OH = NaOH S = H ₂ SO ₄ O = Other NA = None Required
Received in Lab By: <u>[Signature]</u>	Date: <u>8/9/21</u>	Temp °C: <u>17.6</u>	Acceptable: <u>Y</u>			

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6 Fee Client counted samples wrong NR 8/4/21 Page 7 of 7