



MINNEAPOLIS
PUBLIC SCHOOLS

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Environmental Health & Safety

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Jason Karpe
Safety Specialist,
Environmental Health & Safety

MEMORANDUM

To: Kari Page, Principal Dowling Elementary School

From: Jason Karpe, Safety Specialist, Environmental Health & Safety

Date: December 14, 2022

RE: **Dowling Elementary School**
Lead in Water Testing

Drinking water was tested at Dowling Elementary School on October 6, 2022 (see attached initial laboratory report). The testing was performed as part of our Lead in Water Safety Program and as required by the Minnesota Department of Health.

All water was collected on a first draw basis with a minimum of six-hour system stagnation. This method represents the worst case scenario for lead in water concentrations. A total of twenty-seven (27) drinking sources were tested. All samples collected were below the detection limit for lead in drinking water, except for room 107 (4.7ppb) which was still below the 20 ppb Action level. Environmental Health & Safety (EH&S) worked with the MPS Plumbing Shop to review the drinking fountain in room 107. The drinking source was evaluated and was determined that the fountain was previously updated with a "lead free" kit. Following the plumbing evaluation, the fountain was re-tested. The testing was completed to confirm the effectiveness of the MPS Daily Lead in Water Flushing Protocol. The sampling protocol included an initial first draw sample, a one minute sample and a three minute sample. The testing confirmed MPS Daily Lead in Water Flushing was effective at bringing the drinking fountain to levels of none-detected for lead (see attached post laboratory report). EH&S recommends that all fountains be "run until cool before drinking" as a good practice for all students and staff.

It is very good news to receive test results showing low lead levels, however, because not all piping at Dowling Elementary School has been replaced with new piping and so potential sources of lead still remain; we have determined the safest course of action is for Dowling Elementary to continue its participation in the MPS Daily Lead in Water Flushing Protocol. EH&S has communicated the procedures for proper flushing with your Senior Custodian and the importance to perform these procedures on a daily basis.

The memorandum and the laboratory analysis reports will be maintained available to the public on the district website. <https://www.mpschools.org/departments/operations/environmental-health-safety>

Please contact me if you have any questions.

Attachment: Initial Laboratory Analysis Report dated October 18, 2022
Post Laboratory Analysis Report dated December 12, 2022

CC: Jim Wiggins, Lee Setter, James Tschida, Joseph Hayes, Haydee Segovia-Pope, Tony Newman, Bridget Cook

Twin City Water Clinic Laboratory Test Report

Minnesota State Laboratory ID# 027-053-119
 Wisconsin State Laboratory ID# 105-10117
 Wisconsin DNR Lab ID #399073400

Client: Dowling School
 Minneapolis Public Schools
Address: 1225 North 7th Street
 Minneapolis, MN 55411

Report Number: 22-10109
Sample Receipt Date: 10/6/22
Sample Prep. Date: 10/6/22
Sample Prep. Time: 10:30
Report Issue Date: 10/18/22

Twin City Water Clinic Inc.
617 13th Avenue South
Hopkins, MN 55343
Phone: (952)935-3556
Fax: (952)935-5077

X No samples were subcontracted; or the above test result(s) with '**' designation were produced by a subcontracted laboratory. [Laboratory name; address; MDH Lab ID#]. The subcontracted laboratory maintains MDH Certification for the field(s) of testing performed.

Laboratory	Analyte	Sample	Parameter	Sample Collection		Sample Analysis		Test	
Sample ID		Location		Date	Time	Date	Time	Results	Units
22-10109	Lead	Room 132 DF	Drinking Water	10/6/2022	04:05	10/11/22	11:21	<2.0	µg/L
22-10110	Lead	Hall 131 DF	Drinking Water	10/6/2022	04:08	10/11/22	11:26	<2.0	µg/L
22-10111	Lead	Room 130	Drinking Water	10/6/2022	04:10	10/11/22	11:32	<2.0	µg/L
22-10112	Lead	Hall 130 DF	Drinking Water	10/6/2022	04:15	10/11/22	11:37	<2.0	µg/L
22-10113	Lead	Hall 128 DF	Drinking Water	10/6/2022	04:18	10/11/22	11:42	<2.0	µg/L
22-10114	Lead	Kitchen prep sink	Drinking Water	10/6/2022	04:21	10/11/22	12:00	<2.0	µg/L
22-10115	Lead	Kitchen wash sink	Drinking Water	10/6/2022	04:24	10/11/22	12:16	<2.0	µg/L
22-10116	Lead	Health office 102J sink	Drinking Water	10/6/2022	04:26	10/11/22	12:22	<2.0	µg/L
22-10117	Lead	Hall 117 DF	Drinking Water	10/6/2022	04:29	10/11/22	12:27	<2.0	µg/L
22-10118	Lead	Room 104 sink	Drinking Water	10/6/2022	04:32	10/11/22	12:33	<2.0	µg/L
22-10119	Lead	Room 105 sink	Drinking Water	10/6/2022	04:36	10/11/22	12:38	<2.0	µg/L
22-10120	Lead	Room 107 DF	Drinking Water	10/6/2022	04:39	10/11/22	12:44	4.70	µg/L
22-10121	Lead	Room 108 DF	Drinking Water	10/6/2022	04:42	10/11/22	12:50	<2.0	µg/L
22-10122	Lead	Room 110 DF	Drinking Water	10/6/2022	04:44	10/11/22	12:55	<2.0	µg/L
22-10123	Lead	Room 111 DF	Drinking Water	10/6/2022	04:47	10/11/22	13:01	<2.0	µg/L
22-10124	Lead	Room 112 DF	Drinking Water	10/6/2022	04:50	10/18/22	11:47	<2.0	µg/L
22-10125	Lead	Room 113 DF	Drinking Water	10/6/2022	04:53	10/18/22	11:53	<2.0	µg/L
22-10126	Lead	Room 114 DF	Drinking Water	10/6/2022	04:56	10/18/22	11:58	<2.0	µg/L
22-10127	Lead	Staff room 123B sink	Drinking Water	10/6/2022	04:58	10/18/22	12:04	<2.0	µg/L
22-10128	Lead	Room 119 DF	Drinking Water	10/6/2022	05:04	10/18/22	12:10	<2.0	µg/L

Approved methods used in analyzing the samples listed above have the following reporting levels:
 SM3113 - Lead, 2.0 µg / L
 Maximum contaminant level: Lead, 15.0 µg/L

Sample Collected by: Client TCWC

Sample Temp.: 14° C

Notes: DF = drinking fountain

Discussion:

Approved By:



Bill Van Arsdale
 Laboratory Manager

The results listed in this report apply only to the above listed samples. All routine quality assurance procedures were followed, unless otherwise noted. This analytical report must be reported in its entirety. All methods are certified by the Minnesota Department of Health, unless otherwise noted.

Twin City Water Clinic Laboratory Test Report

Minnesota State Laboratory ID# 027-053-119
 Wisconsin State Laboratory ID# 105-10117
 Wisconsin DNR Lab ID #399073400

Client: Dowling School
 Minneapolis Public Schools
Address: 1225 North 7th Street
 Minneapolis, MN 55411

Report Number: 22-10129
Sample Receipt Date: 10/6/22
Sample Prep. Date: 10/6/22
Sample Prep. Time: 10:30
Report Issue Date: 10/18/22

Twin City Water Clinic Inc.
617 13th Avenue South
Hopkins, MN 55343
Phone: (952)935-3556
Fax: (952)935-5077

X No samples were subcontracted; or the above test result(s) with '**' designation were produced by a subcontracted laboratory. [Laboratory name; address; MDH Lab ID#]. The subcontracted laboratory maintains MDH Certification for the field(s) of testing performed.

Laboratory	Analyte	Sample	Parameter	Sample Collection		Sample Analysis		Test	
Sample ID		Location		Date	Time	Date	Time	Results	Units
22-10129	Lead	Hall 119 DF	Drinking Water	10/6/2022	05:08	10/18/22	12:16	<2.0	µg/L
22-10130	Lead	Room 142 DF	Drinking Water	10/6/2022	05:11	10/18/22	12:33	<2.0	µg/L
22-10131	Lead	Room 143 DF	Drinking Water	10/6/2022	05:12	10/18/22	12:50	<2.0	µg/L
22-10132	Lead	Hall 120A DF	Drinking Water	10/6/2022	05:15	10/18/22	12:55	<2.0	µg/L
22-10133	Lead	Hall 144 DF	Drinking Water	10/6/2022	05:18	10/18/22	13:01	<2.0	µg/L
22-10134	Lead	MPS Kids Room 38 W DF	Drinking Water	10/6/2022	05:20	10/18/22	13:07	<2.0	µg/L
22-10135	Lead	MPS Kids Restroom DF	Drinking Water	10/6/2022	05:08	10/18/22	13:12	<2.0	µg/L

Approved methods used in analyzing the samples listed above have the following reporting levels:
 SM3113 - Lead, 2.0 µg / L
 Maximum contaminant level: Lead, 15.0 µg/L

Sample Collected by: Client TCWC

Sample Temp.: 14° C

Notes: DF = drinking fountain

Discussion:

Approved By:


 Bill Van Arsdale
 Laboratory Manager

The results listed in this report apply only to the above listed samples. All routine quality assurance procedures were followed, unless otherwise noted. This analytical report must be reported in its entirety. All methods are certified by the Minnesota Department of Health, unless otherwise noted.

Twin City Water Clinic Laboratory Test Report							Minnesota State Laboratory ID# 027-053-119 Wisconsin State Laboratory ID# 105-10117 Wisconsin DNR Lab ID #399073400		
Client: Dowling School Minneapolis Public Schools			Report Number: 22-12525			Twin City Water Clinic Inc. 617 13th Avenue South Hopkins, MN 55343 Phone: (952)935-3556 Fax: (952)935-5077			
Address: 1225 North 7th Street Minneapolis, MN 55411			Sample Receipt Date: 12/9/22						
			Sample Prep. Date: 12/9/22						
			Sample Prep. Time: 13:00						
			Report Issue Date: 12/12/22						
Laboratory	Analyte	Sample	Parameter	Sample Collection		Sample Analysis		Test	
Sample ID		Location		Date	Time	Date	Time	Results	Units
22-12525	Lead	Room 107 DF - First Draw	Drinking Water	12/9/2022	05:05	12/12/22	11:36	2.07	µg/L
22-12526	Lead	Room 107 DF - 1 Minute	Drinking Water	12/9/2022	05:08	12/12/22	11:41	<2.0	µg/L
22-12527	Lead	Room 107 DF - 3 Minute	Drinking Water	12/9/2022	05:10	12/12/22	11:47	<2.0	µg/L

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Approved methods used in analyzing the samples listed above have the following reporting levels:
SM3113 - Lead, 2.0 µg / L
Maximum contaminant level: Lead, 15.0 µg/L

Sample Collected by: X Client TCWC

Sample Temp.: 19° C

Notes:

Discussion: DF = Drinking Fountain

Approved By:
Bill Van Arsdale
Laboratory Manager

The results listed in this report apply only to the above listed samples. All routine quality assurance procedures were followed, unless otherwise noted. This analytical report must be reported in its entirety. All methods are certified by the Minnesota Department of Health, unless otherwise noted.