

Environmental Health & Safety Office: (612) 668-0310 Direct: (612)-668-0307 Cell: (612) 806-1394 Jason Karpe Safety Specialist, Environmental Health & Safety

## MEMORANDUM

MINNEAPOLIS PUBLIC SCHOOLS

Urban Education. Global Citizens.

TO: Kevin Oldenburg, Principal, Hiawatha Community Howe Campus

**FROM:** Jason Karpe, Safety Specialist, Environmental Health & Safety (EH&S)

- DATE: December 21, 2018
- SUBJECT: Howe School Lead in Water Testing

As part of the Minneapolis Public Schools (MPS) Lead in Water Safety Plan, EH&S sampled drinking water fixtures at Howe school on December 5, 2018. All water was collected on a first draw basis with a minimum of 8-hour system stagnation. This method represents the worst-case scenario for lead in water concentrations. A total of fifteen (15) drinking sources were tested. All samples collected were found to below the detection limit for lead in water (see attached laboratory report).

Based on the laboratory results, Howe is not required to perform MPS Daily Lead in Water Flushing Protocol. As a good practice, EH&S recommends and encourages that staff and students run drinking sources until cool before drinking.

This memorandum and the laboratory analysis report will be maintained available to the public on the MPS website:

http://facilities.mpls.k12.mn.us/lead in water safety plan

If you have any questions, you may contact me at your convenience at 612-668-0307.

Attachment: Laboratory Analysis Report dated December 14, 2018

cc: Kevin Erickson, Lee Setter, Shawn Lindell, Terry Johnson, James Tschida, Diane Daun

Client:   Hawatha Community (Howe) Minneapolis Public Schools   Report Number:   18:16032   Twin City Water Clinic Inc. Sample Receipt Date:   12/06/18   G17 13th Avenue South Hopkins, MN 55343   Subcontracted laboratory.   MDH catified in the field(s) of testing Minneapolis, MN 55411   Sample Prep. Date:   12/06/18   Hopkins, MN 55343   MDH catified in for the field(s) of testing MDH catified in for the field(s) of testing     Sample 10   Location   Date   Time   Date   Time   Results   Units     18:16032   Lead   RM 109 hallway DF   Drinking Water   12/05/18   05:55   12/14/18   10:55   <.0.   µg/L   Maximum contaminant level: Lead   SM3113 - Lead, 2.0 µg/L   Maximum contaminant level: Lead   SM3113 - Lead, 2.0 µg/L   Maximum contaminant level: Lead   Maximum contaminant level: Lead   Maximum contaminant level: Lead   SM3113 - Lead, 2.0 µg/L   Maximum contaminant level: Lead   Maximum contaminant level: Lead   Sample Prep. Time:   12/05/18   06:07   12/14/18   11:00   <.0.   µg/L   Maximum contaminant level: Lead   Maximum contaminant level: Lead   Sample Prep.Time:   12/05/18   06:11   12/14/18   11:00   <.0.   µg/L	X No samples were subcontracted; or the above test result(s) with'**' designation were produced by a subcontracted laboratory. [Laboratory name; address;		Minnesota State Laboratory ID# 027-053-119 Wisconsin State Laboratory ID# 105-10117 Wisconsin DNR Lab ID #399073400					Twin City Water Clinic Laboratory Test Report					
Minneapolis Public SchoolsSample Receipt Date:12/06/18617 13th Avenue South Hopkins, MN 55343MDH Lab ID#].The subcontracted labor MDH Certification for the field(s) of testingAddress:1225 North 7th Street Minneapolis, MN 55411Sample Prep. Time:10:02 Sample Prep. Time:Hopkins, MN 55343 Fax: (952)935-5556 Fax: (952)935-5577MDH Lab ID#].The subcontracted labor MDH Certification for the field(s) of testingLaboratoryNalyteSample ParameterSample CollectionSample AnalysisTestApproved methods used in analyzis samples listed above have the foll reporting levels:18-16032LeadRM 109 hallway DFDrinking Water12/05/1805:5512/14/1810:55<2.0			Twin City Water Clinic Inc.			Report Number: 18-16032		tha Community (Howe)	Hiawat	Client:			
Addities:1225 Morth /th StreetSample Prep. Date10/00/15Hopkins, Min 35343Minneapolis, MN 55111Sample Prep. Time:10/20Phone: (952)935-5077LaboratorynalytSampleParameterSample CollectionSample Time: $10/20$ Sample IDLocationDateTimeDateTimeResultsUnitsSample IDLocationDateTimeDateTimeResultsUnits18:16032LeadRM 109 hallway DFDrinking Water12/05/1805:5512/14/1810:45<2.0 $\mu g/L$ 18:16033LeadRM 109 hallway DFDrinking Water12/05/1805:5712/14/1810:50<2.0 $\mu g/L$ 18:16034LeadNurses Office sinkDrinking Water12/05/1806:0312/14/1811:00<2.0 $\mu g/L$ 18:16037LeadRM 106 hallway DFDrinking Water12/05/1806:1312/14/1811:05<2.0 $\mu g/L$ 18:16037LeadRM 106 hallway DFDrinking Water12/05/1806:1312/14/1811:05<2.0 $\mu g/L$ 18:16038LeadRM 106 hallway DFDrinking Water12/05/1806:1312/14/1811:26<2.0 $\mu g/L$ 18:16039LeadRM 108 hallway DFDrinking Water12/05/1806:1412/14/1811:26<2.0 $\mu g/L$ 18:16041LeadRM 203 hallway DFDrinking Water12/05/1806:3312/14/1811:26<2.0 <td>•</td> <td colspan="2" rowspan="3"></td> <td colspan="3" rowspan="3">Hopkins, MN 55343</td> <td colspan="2">Sample Receipt Date: 12/06/18</td> <td colspan="2">Minneapolis Public Schools</td> <td></td>	•			Hopkins, MN 55343			Sample Receipt Date: 12/06/18		Minneapolis Public Schools				
Report Issue Date: $12/14/18$ Fax: $(952)935-5077$ LaboratoryAnalyteSampleParameterSample $\sim$ Sample $\sim$ Sample $\sim$ Sample $\sim$ IntsApproved methods used in analyzSample IDLocationDateTimeDateTimeResultsUnitssamples listed above have the foll18-16032LeadRM 109 hallway DFDrinking Water12/05/1805:5512/14/1810:05<2.0	g performed.						12/06/18	• •		lorth 7th Street	1225 N	Address:	
Laboratory   Nalyte   Sample   Parameter   Sample Collection   Sample Analysis   Test   Approved methods used in analyzis     Sample ID   Location   Date   Time   Date   Time   Results   Units   samples listed above have the foll     18-16032   Lead   RM 109 hallway DF   Drinking Water   12/05/18   05:55   12/14/18   10:45   <2.0							10:20			apolis, MN 55411	Minne		
Sample D   Location   Date   Time   Date   Time   Results   Units   samples listed above have the foll     18-16032   Lead   RM 109 hallway DF   Drinking Water   12/05/18   05:55   12/14/18   10:45   <2.0				Fax: (952)935-5077			12/14/18	Issue Date:	Report				
18-16032   Lead   RM 109 hallway DF   Drinking Water   12/05/18   05:55   12/14/18   10:45   <2.0   μg/L   reporting levels:   SM3113 - Lead, 2.0 µg/L     18-16033   Lead   RM 103 hallway DF   Drinking Water   12/05/18   05:57   12/14/18   10:50   <2.0	Approved methods used in analyzing the		Sample Analysis Test			ollection	Sample C	Parameter	Sample	Analyte	Laboratory		
18-16033   Lead   RM 103 hallway DF   Drinking Water   12/05/18   05:57   12/14/18   10:50   <2.0   µg/L   SM3113 - Lead, 2.0 µg/L   Maximum contaminant level: Lead     18-16034   Lead   Nurses Office sink   Drinking Water   12/05/18   05:59   12/14/18   10:55   <2.0	owing	samples listed above have the following reporting levels:	Units	Results	Time	Date	Time	Date		Location		Sample ID	
Image relation   Image r			μg/L	<2.0	10:45	12/14/18	05:55	12/05/18	Drinking Water	RM 109 hallway DF	Lead	18-16032	
10-100-4 Lead Twinse Onite sink Drinking Water 12/05/18 06:03 12/14/18 11:00 <2.0			μg/L	<2.0	10:50	12/14/18	05:57	12/05/18	Drinking Water	RM 103 hallway DF	Lead	18-16033	
18:16036 Lead Gym hallway DF Drinking Water 12/05/18 06:07 12/14/18 11:05 <2.0 μg/L Sample Collected by: _X_Client   18:16037 Lead RM 106 hallway DF Drinking Water 12/05/18 06:11 12/14/18 11:10 <2.0	d, 15.0 μg /L	Maximum contaminant level: Lead, 15.0	μg/L	<2.0	10:55	12/14/18	05:59	12/05/18	Drinking Water	Nurses Office sink	Lead	18-16034	
18-16037 Lead RM 106 hallway DF Drinking Water 12/05/18 06:11 12/14/18 11:10 <2.0			μg/L	<2.0	11:00	12/14/18	06:03	12/05/18	Drinking Water	Teachers Lounge sink	Lead	18-16035	
18-16038 Lead RM 108 hallway DF Drinking Water 12/05/18 06:14 12/14/18 11:26 <2.0 µg/L Sample Temp.: 4° C   18-16039 Lead RM 119C Kitchen prep sink Drinking Water 12/05/18 06:18 12/14/18 11:41 <2.0	TCWC	Sample Collected by: _X_ Client 1	μg/L	<2.0	11:05	12/14/18	06:07	12/05/18	Drinking Water	Gym hallway DF	Lead	18-16036	
18-16000 Lead RM 119C Kitchen prep sink Drinking Water 12/05/18 06:18 12/14/18 11:41 <2.0			μg/L	<2.0	11:10	12/14/18	06:11	12/05/18	Drinking Water	RM 106 hallway DF	Lead	18-16037	
18-16040 Lead RM 119C Kitchen wash sink Drinking Water 12/05/18 06:24 12/14/18 11:46 <2.0		Sample Temp.: 4º C	μg/L	<2.0	11:26	12/14/18	06:14	12/05/18	Drinking Water	RM 108 hallway DF	Lead	18-16038	
18-16041 Lead RM 201 hallway DF Drinking Water 12/05/18 06:33 12/14/18 11:51 <2.0			μg/L	<2.0	11:41	12/14/18	06:18	12/05/18	Drinking Water	RM 119C Kitchen prep sink	Lead	18-16039	
18-16042LeadRM 203 hallway DFDrinking Water12/05/1806:3812/14/1811:56 $<2.0$ $\mu g/L$ Notes: DF = drinking fountain18-16043LeadRM 209 Computer hallway DFDrinking Water12/05/1806:4312/14/1812:01 $<2.0$ $\mu g/L$ RR = restroom, LR = lunchroom18-16044LeadRM 208 hallway DFDrinking Water12/05/1806:4612/14/1812:06 $<2.0$ $\mu g/L$ RR = restroom, LR = lunchroom18-16045LeadRM 204 hallway DFDrinking Water12/05/1806:5312/14/1812:11 $<2.0$ $\mu g/L$ 18-16046LeadEngineers Office sinkDrinking Water12/05/1806:5312/14/1812:16 $<2.0$ $\mu g/L$ 19LeadEngineers Office sinkLeadLead<			μg/L	<2.0	11:46	12/14/18	06:24	12/05/18	Drinking Water	RM 119C Kitchen wash sink	Lead	18-16040	
18-16043LeadRM 209 Computer hallway DFDrinking Water12/05/1806:4312/14/1812:01 $<2.0$ $\mu g/L$ RR = restroom, LR = lunchroom18-16044LeadRM 208 hallway DFDrinking Water12/05/1806:4612/14/1812:06 $<2.0$ $\mu g/L$ Discussion:18-16045LeadRM 204 hallway DFDrinking Water12/05/1806:4912/14/1812:11 $<2.0$ $\mu g/L$ Discussion:18-16046LeadEngineers Office sinkDrinking Water12/05/1806:5312/14/1812:16 $<2.0$ $\mu g/L$ Discussion:18-16046LeadEngineers Office sinkDrinking Water12/05/1806:5312/14/1812:16 $<2.0$ $\mu g/L$ 18-16046LeadEngineers Office sinkDrinking Water12/05/1806:5312/14/1812:16 $<2.0$ $\mu g/L$ $<2.0$ 18-16046LeadEngineers Office sinkDrinking			μg/L	<2.0	11:51	12/14/18	06:33	12/05/18	Drinking Water	RM 201 hallway DF	Lead	18-16041	
18-16044 Lead RM 208 hallway DF Drinking Water 12/05/18 06:46 12/14/18 12:06 <2.0 μg/L Discussion:   18-16045 Lead RM 204 hallway DF Drinking Water 12/05/18 06:49 12/14/18 12:11 <2.0	Notes: DF = drinking fountain RR = restroom, LR = lunchroom		μg/L	<2.0	11:56	12/14/18	06:38	12/05/18	Drinking Water	RM 203 hallway DF	Lead	18-16042	
18-16045 Lead RM 204 hallway DF Drinking Water 12/05/18 06:49 12/14/18 12:11 <2.0 μg/L   18-16046 Lead Engineers Office sink Drinking Water 12/05/18 06:53 12/14/18 12:16 <2.0			μg/L	<2.0	12:01	12/14/18	06:43	12/05/18	Drinking Water	RM 209 Computer hallway DF	Lead	18-16043	
18-16046   Lead   Engineers Office sink   Drinking Water   12/05/18   06:53   12/14/18   12:16   <2.0   μg/L		Discussion:	μg/L	<2.0	12:06	12/14/18	06:46	12/05/18	Drinking Water	RM 208 hallway DF	Lead	18-16044	
Image: Constraint of the second se			μg/L	<2.0	12:11	12/14/18	06:49	12/05/18	Drinking Water	RM 204 hallway DF	Lead	18-16045	
			µg/L	<2.0	12:16	12/14/18	06:53	12/05/18	Drinking Water	Engineers Office sink	Lead	18-16046	
	1./	1											
Bill Van Arsdale	w	Approved By:											
	e	Bill Van Arsdale											
Laboratory Mai	nager	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.