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Independent School District #191

200 Burnsville Pkwy

Burnsville, MN 55337

Attn: Mr. Glenn Simon

RE: Lead in Drinking Water Sampling

SITE: Nicollet Middle School

DATE: January 2019

Dear Glenn Simon,

Field Environmental Consulting, Inc. (FIELD ENVIRONMENTAL) appreciates the opportunity to provide results for lead in drinking water sampling conducted at Nicollet Middle School.

Initial sampling ("first draw") was completed on Wednesday, October 31, 2018*. Nine (9) out of the forty-seven (47) initial first draw samples collected at Nicollet Middle School were above the recommended limit of 20 ppb (or µg/L). Provided with results, ISD #191 removed two (2) taps from service located in the kitchen and cleaned aerators for five (5) of the nine (9) taps. Furthermore, ISD #191 decided to identify science department prep sinks with labels that state "water not for consumption."

After aerator cleaning was completed for the five (5) identified outlets, ISD #191 re-sampled these faucets on Thursday, November 29, 2018. Results at four (4) taps were below the recommended action level; however, one (1) tap located in workroom 120 remained above the recommended limit. After receiving this result, initial and thirty (30) second flush sampling was used to re-sample this tap on December 14, 2018. After results were reviewed, the initial sample was above the recommended action limit of 20 ppb. The flush sample was below the action limit. Therefore, ISD #191 labeled the faucet in workroom 120 "water not for consumption."

Analysis was conducted by Pace Analytical Services, Inc. of Minneapolis, Minnesota using EPA Method 200.8 ICPMS for determination of trace elements in drinking water.

PREPARED and REVIEWED BY:

Field Environmental Consulting, Inc.

A handwritten signature in blue ink, appearing to read "Amy Weinzierl", is positioned above the printed name.

Amy Weinzierl (CSP #27824)

Environmental Health and Safety Manager

amy@fieldconsultinginc.com

952-746-5880

*sampling was performed by ISD #191 Health & Safety Supervisor

LEAD IN THE WATER TESTING	BUILDING: Nicollet ML 1	DATE 10/31/2018
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TYPE OF FAUCET WC - water cooler DF - drinking fountain S - Sink K - Kettle BF - Bottle Filler HW - Hot Water Dispenser

Lead < = 20 ppb, **Lead > 20 ppb (Action Level)**, ND= None Detected

	LABEL	BUILDING	ROOM/LOCATION	TYPE OF FAUCET	LEAD RESULT (ppb or µg/L)
1	01	NM	Kitchen Southeast wall (sprayer)	S	6.0
2	02	NM	Kitchen Southeast wall	S	1.6
3	03	NM	Kitchen Southwest wall Left	K	523
Kettle Removed					
4	04	NM	Kitchen Southwest wall Right	K	522
Kettle Removed					
5	05	NM	Kitchen Southwest wall	HW	3.2
6	06	NO SAMPLE COLLECTED			
7	07	NO SAMPLE COLLECTED			
8	08	NM	Custodian Break Room	S	1.9
9	09	NM	408	S	2.1
10	10	NM	WC outside room west side of Gym	WC	ND
11	11	NM	404	S	329
11- Resample 11/29/2018					4.8
12	12	NM	In hallway area music dept.	WC	4.0
13	13	NM	Main Office work room	S	1.8
14	14	NM	Nurse's Office	S	ND
15	15	NM	WC outside room 202	WC	1.7
16	16	NM	232	S	7.7
17	17	NM	WC outside room 214	WC	0.78
18	18	NM	Media Production room	S	7.9
19	19	NM	WC outside room 224	WC	1.4

LEAD IN THE WATER TESTING	BUILDING: Nicollet LL 1	DATE 10/31/2018
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TYPE OF FAUCET WC - water cooler DF - drinking fountain S - Sink K - Kettle BF - Bottle Filler

Lead < = 20 ppb, **Lead > 20 ppb (Action Level)**, ND= None Detected

	LABEL	BUILDING	ROOM/LOCATION	TYPE OF FAUCET	LEAD RESULT (ppb or µg/L)
1	20	NM	100	S	23.8
20-Resample 11/29/2018					1.3
2	21	NM	100	S	1.9
3	22	NM	102	S	3.0
4	23	NM	102	S	0.88
5	24	NM	Special Ed Office across from room 102	S	7.3
6	25	NM	WC outside room #102	WC	2.1
7	26	NM	Drinking fountain in the weight room	WC	7.7
8	27	NM	106	S	3.1
9	28	NM	106	S	13.7
10	29	NM	108	S	3.9
11	30	NM	108	S	18.5
12	31	NM	Special Ed room 121	S	7.7
13	32	NM	WC outside room #116	WC	1.6
14	33	NM	Work room 120	S	78.5
33-Resample 11/29/2018					52.2
33-Initial Resample/30 Second Flush Sample 12/14/18					49.8/2.3
Labeled "Non Potable Water - Do Not Drink"					
15	34	NO SAMPLE COLLECTED			
16	35	NM	124	S	48.0
35-Resample 11/29/2018					3.4
17	36	NM	WC outside room #124	WC	ND
18	37	NM	Special Ed room 117	S	20.3
37-Resample 11/29/2018					11.2
19	38	NM	West side of the room Left	S	1.1
20	39	NM	West side of the room Center	S	2.5
21	40	NM	West side of the room Right	S	1.4
22	41	NM	East side of the room Left	S	1.1
23	42	NM	East side of the room Center	S	1.2
24	43	NM	East side of the room Right	S	1.7

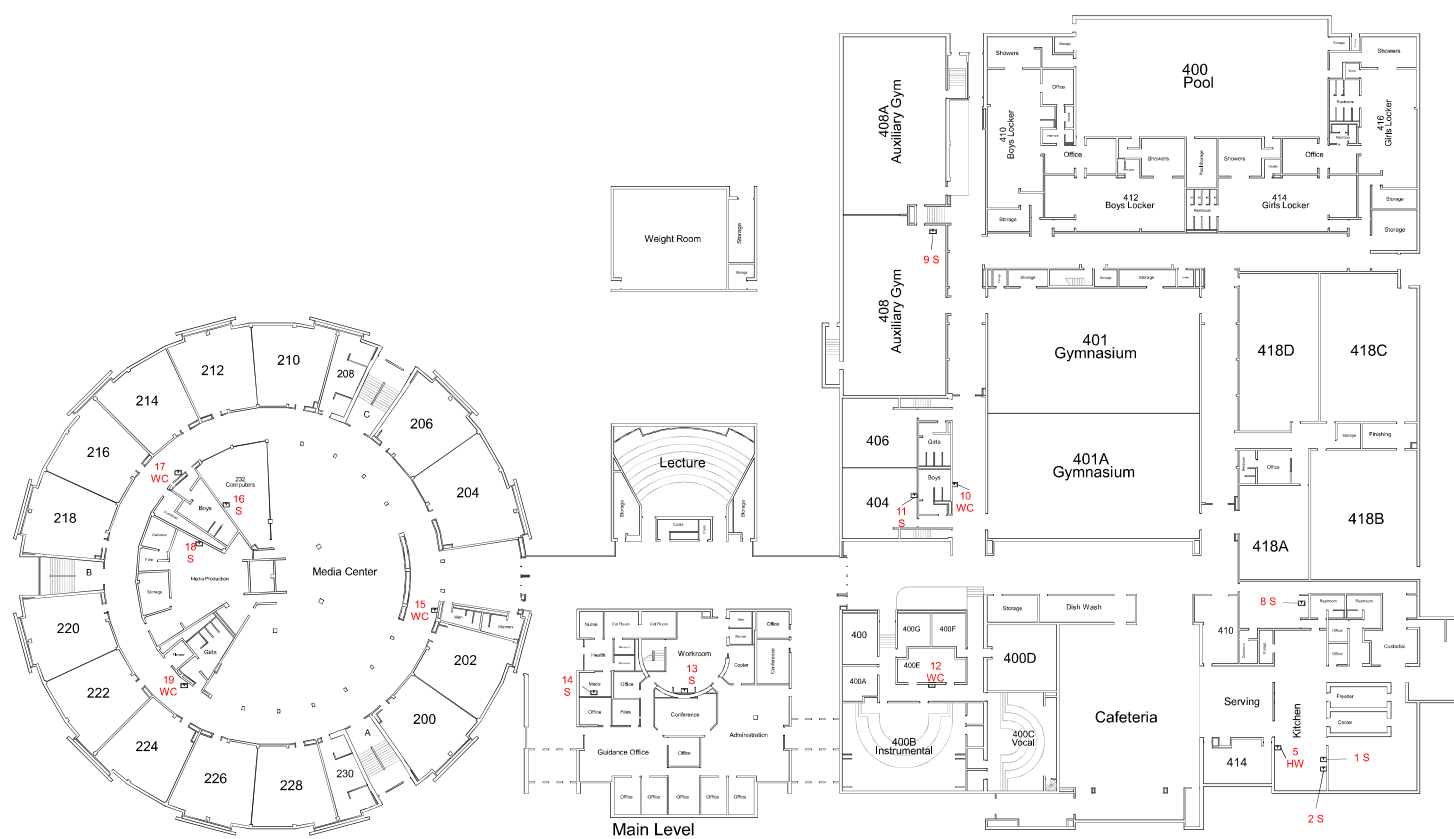
LEAD IN THE WATER TESTING	BUILDING: Nicollet 3rd level	DATE 10/31/2018
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TYPE OF FAUCET WC - water cooler DF - drinking fountain S - Sink K - Kettle BF - Bottle Filler HW - Hot Water Dispenser

Lead < = 20 ppb, **Lead > 20 ppb (Action Level)**, ND= None Detected

	LABEL	BUILDING	ROOM/LOCATION	TYPE OF FAUCET	LEAD RESULT (ppb or µg/L)
1	44	NM	WC outside room 304	WC	2.6
2	45	NM	Science Prep Area (ctr round) Left	S	18.1
Labeled "Non Potable Water - Do Not Drink"					
3	46	NM	Science Prep Area (ctr round) Center	S	26.1
Labeled "Non Potable Water - Do Not Drink"					
4	47	NM	Science Prep Area (ctr round) Right	S	29.0
Labeled "Non Potable Water - Do Not Drink"					
5	48	NM	WC outside room 316	WC	2.2
6	49	NM	320	S	8.6
7	50	NM	WC outside room 324	WC	3.2

Nicollet Middle School



Nicollet Middle School



The floor plan shows a circular building with 16 rooms numbered 300 to 316. The rooms are arranged in a circular pattern around a central core. The central core contains a Science Prep room, a Boys' room, a Girls' room, and a Storage room. There are also three central staircases labeled A, B, and C. The plan is labeled with room numbers, room names, and a central staircase labeled 'A'.

Room numbers: 300, 301, 302, 303, 304, 305, 306, 308, 310, 311, 312, 314, 315, 316, 318, 320, 322, 324, 326, 328, 330.

Room names: Science Prep, Boys, Girls, Storage, 310 Office, 48 WC, 49 S, 44 WC, 50 WC.

Staircases: A, B, C.