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Independent School District #197  
1897 Delaware Avenue  
Mendota Heights, MN 55118  
Attn: Mr. Mark Fenton

**RE: Lead in Drinking Water Sampling**  
**SITE: Moreland Elementary**  
**DATE: December 2018**

Dear Mark Fenton,

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

Initial sampling ("first draw") was completed on Thursday, October 4, 2018. Results indicated seven (7) fixtures above the action level of 20 ppb (or  $\mu\text{g/L}$ ). Provided with verbal results on October 23, 2018, ISD #197 Operations Department cleaned aerators for these seven (7) taps. After aerator cleaning was completed, FIELD ENVIRONMENTAL re-sampled these faucets on Friday, November 16, 2018. Results at four (4) areas were still above the recommended action level; all other locations were satisfactory. After receiving these results, water supplying the following fixtures in these rooms was permanently suspended\*:

- Sink & drinking fountain - Room 14
- Sink & drinking fountain - Room 28
- Sink - Room 100G
- Sink & drinking fountain - Room B035

*\*fixtures will be addressed during summer construction.*

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.**

Amy Weinzierl (CSP #27824)

Environmental Health and Safety Manager

amy@fieldconsultinginc.com

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School Name: **Moreland Elementary (MOR)**

Dates: **10/4/2018 & 11/16/2018**

Floor	Room Number	Location	Sample ID	Type DF = Drinking Fountain S = Sink WC = Water Cooler BF = Bottle Filler K=Kettle	Lead Result 10/4/18 (ppb)	Lead Result 11/16/18 (ppb)	Lead Result 30 Sec Flush 11/16/2018 (ppb)
First	200D	Kitchen	1	S	13.4	-	-
First	200D	Kitchen	2	S	1.4	-	-
First	200D	Kitchen	3	S	3.9	-	-
First	200D	Kitchen	4	K	4.3	-	-
First	12	Classroom	5	DF	2.6	-	-
First	12	Classroom	6	S	1.8	-	-
First	14	Classroom	7	DF	62.3	Water permanently shut-off to fixture	
First	14	Classroom	8	S	68.9	71.4	46.3
First	15	Classroom	9	DF	9.1	-	-
First	15	Classroom	10	S	1.8	-	-
First	15	Classroom	11	S	0.28	-	-
First	16	Classroom	12	DF	4.9	-	-
First	16	Classroom	13	S	9.1	-	-
First	17	Classroom	14	DF	10.9	-	-
First	17	Classroom	15	S	12.5	-	-
First	19	Classroom	16	DF	7.4	-	-
First	19	Classroom	17	S	4.8	-	-
First	20	Classroom	18	DF	5.6	-	-
First	20	Classroom	19	S	5.3	-	-
First	-	Hallway	20	WC	ND	-	-
First	-	Hallway	21	WC	ND	-	-
First	-	Hallway	22	BF	ND	-	-
First	21	Classroom	23	DF	4.6	-	-
First	21	Classroom	24	S	3	-	-
First	22	Classroom	25	DF	3	-	-
First	22	Classroom	26	S	2.9	-	-
First	24	Classroom	27	DF	0.85	-	-
First	24	Classroom	28	S	1.4	-	-
First	25	Classroom	29	DF	3.8	-	-
First	25	Classroom	30	S	5.6	-	-
First	26	Classroom	31	DF	3.3	-	-
First	26	Classroom	32	S	5.7	-	-
First	28	Classroom	33	S	1.1	-	-
First	28	Classroom	34	DF	54.3	60.1	21.1
First	28	Classroom	35	S	134	28.4	7.3
First	1	Classroom	36	DF	3.8	-	-
First	1	Classroom	37	S	15.5	-	-
First	2	Classroom	38	DF	9.1	-	-
First	2	Classroom	39	S	6.2	-	-
First	4	Classroom	40	DF	4.4	-	-
First	4	Classroom	41	S	5.3	-	-
First	5	Classroom	42	DF	2.8	-	-
First	5	Classroom	43	S	3.6	-	-
First	6	Classroom	44	DF	3	-	-
First	6	Classroom	45	S	6	-	-
First	7	Classroom	46	DF	4.7	-	-
First	7	Classroom	47	S	4.1	-	-
First	9	Classroom	48	DF	17.3	-	-
First	9	Classroom	49	S	52.5	8	ND
First	10	Classroom	50	S	5	-	-
First	11	Classroom	51	S	19.8	-	-
First	-	Hallway	52	WC	0.11	-	-
First	-	Hallway	53	WC	ND	-	-
First	-	Hallway	54	BF	ND	-	-
First	200E	Classroom	55	S	0.58	-	-
First	100G	Classroom	56	S	82.6	414	12.8
First	100K	Classroom	57	S	0.77	-	-
First	100N	Classroom	58	S	0.84	-	-

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Dates: **10/4/2018 & 11/16/2018**

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Basement	B036	Classroom	59	S	7.9	-	-
Basement	B036	Classroom	60	DF	4.5	-	-
Basement	B031	Classroom	61	DF	4.1	-	-
Basement	B031	Classroom	62	S	2.8	-	-
Basement	B030	Classroom	63	DF	2.6	-	-
Basement	B030	Classroom	64	S	7.6	-	-
Basement	B035	Classroom	65	DF	<b>21.6</b>	<b>26.7</b>	4.1
Basement	B035	Classroom	66	S	12.4	-	-

Moreland Elementary School  
Lower Level  
Lead in Drinking Water  
Project # 19010



First Draw Sampling (October 2018)

- ◆ Lead <= 20 ppb
- ◆ Lead > 20 ppb (Action Level)

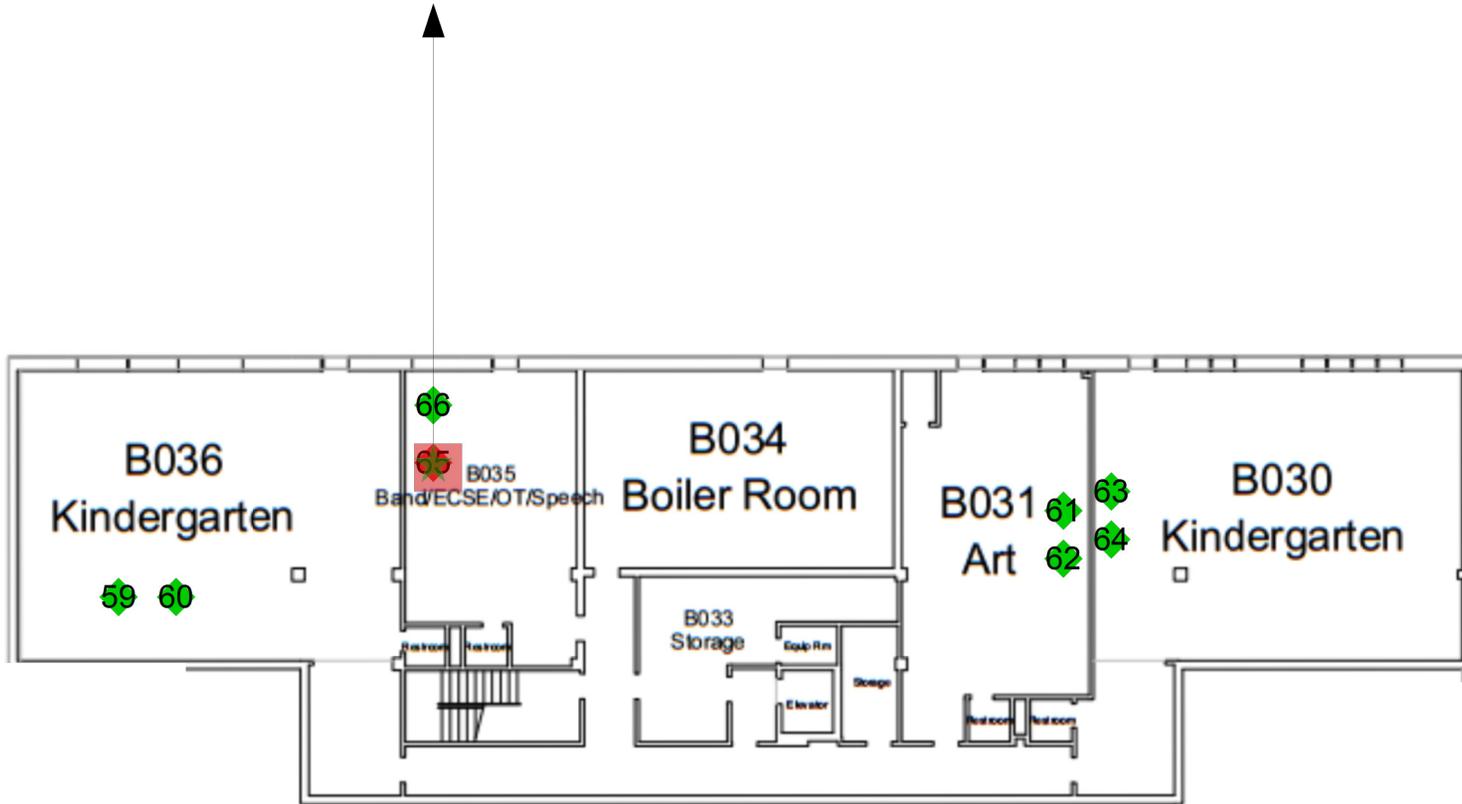
First Draw Sampling (November 2018)

- Lead <= 20 ppb
- Lead > 20 ppb (Action Level)

Flush Sampling (November 2018)

- ★ Lead <= 20 ppb
- ★ Lead > 20 ppb (Action Level)

*Water has been permanently shut-off to fountain/sink within this room; summer construction shall correct issue.*



Moreland Elementary School  
 1<sup>st</sup> Floor  
 Lead in Drinking Water  
 Project # 19010



First Draw Sampling (October 2018)	First Draw Sampling (November 2018)	Flush Sampling (November 2018)
Lead <= 20 ppb	Lead <= 20 ppb	Lead <= 20 ppb
Lead > 20 ppb (Action Level)	Lead > 20 ppb (Action Level)	Lead > 20 ppb (Action Level)

Water has been permanently shut-off to fountains/sinks within these rooms; summer construction shall correct issues.

