1.0 INTRODUCTION

Edgemont UFSD retained Regulatory Compliance to test outside water spigots in select areas, as identified by the district, for lead contamination. The overall objective is to determine the lead content in drinking water in the district's buildings. On October 25, 2016 sampling was conducted at the High School/Middle School, Greenville Elementary and Seely Place School.

Lead is a toxic metal that can be harmful when ingested (or inhaled), and young children are particularly sensitive to the effects of lead. Lead can get into drinking water by being present in the source water, or by interaction of the water with plumbing materials containing lead (through corrosion). Common sources of lead in drinking water include: solder, fluxes, pipes and pipefittings, fixtures, and sediments. Thus, it is possible that different water outlets in a given building could have dissimilar concentrations of lead. Lead in drinking water is regulated under the Safe Drinking Water Act (1974) as amended. The Lead Contamination Control Act (LCCA) amended the Safe Drinking Water Act and is aimed at identifying and reducing lead in drinking water in schools (and day care facilities). In April 1994, EPA prepared two guidance documents to assist municipalities in meeting the requirements of the LCCA. On September 6, 2016 the Department of Health DOH issued emergency regulations for the implementation of the new law, *Lead Testing in School Drinking Water*, the regulations became Subpart 67-4 of Title 10 (Health) of the Official Compilation of Codes, Rule and Regulations of the State of New York

2.0 SAMPLING METHODOLOGY

Samples were collected in accordance with the *Lead testing in School Drinking Water* – 10 NYCRR Subpart 67-4.3. A first-draw sample was collected in a wide mouth 250 mL bottle and collected from a cold water outlet before the water is used. The water was motionless in the pipes for a minimum of 8 hours but not more than 18 hours prior to collection.

3.0 RESULTS

The water fountains /sinks that were tested are in compliance with the NYS *Lead testing in School Drinking Water – 10 NYCRR Subpart 67-4*, with the exception of the sinks/water fountains listed in the Results Section of the report.

Table 1.0 Locations that are above the lead NYS Action Level of 0.015 mg/L:

Sample ID #	Sample Location	Results (mg/L)
8	EHS Outside Water Spigot Rear of "B" Building	0.084
9	EHS Outside Water Spigot by Mechanical/HVAC Units	0.038

Sample ID #	Sample Location	Results (mg/L)
10	EHS Outside Water Spigot Side of AV - Rear of "D" Building	0.068
13	EHS Outside Water Spigot Side of Gym Building – Business Parking Lot	0.032
15	EHS Outside Water Spigot by Directors Office	0.078
16	EHS Outside Water Spigot by Gym East – Near Directors Office	0.022
18	EHS Water Spigot – Side of Gym – Football Room	0.051
21	EHS Turf Field Spigot – South East Combo Box	0.084
22	EHS Turf Field Spigot – North East Combo Box	0.107
23	EHS Turf Field Spigot – North West Combo Box	0.193
24	EHS Turf Field Spigot – South West Combo Box	1.114
25	EHS Baseball Field Water Spigot	0.066
28	Greenville – Water Spigot by Gas Meter	0.016
29	Greenville – Water Spigot #1 – closest to Building/Inside- Serves Water Fountain	0.093
30	Greenville – Water Spigot #2 – Outside Spigot – Serves Lawn Sprinkler System	0.084
31	Greenville – Water Spigot – Courtyard Between Classrooms 1 & 2	0.795
32	Greenville – Water Spigot – Courtyard Spigot by Room #7	0.048
35	Greenville – Water Spigot – In Garden by Room #108	0.047
36	Greenville – Water Spigot – In Garden by Room #11	0.243