#### COE HILL PUBLIC SCHOOL ANNUAL REPORT

Drinking water system number:	260013923
Drinking water system name:	Coe Hill Public School
Drinking water system owner:	Hastings and Prince Edward District School Board
Drinking water system category:	Small Non-Municipal Non-Residential
Period Being Reported:	April 1, 2020 - March 31, 2021

Number of Designated Facilities Served:	1
Copies provided of annual report to all designated facilities	YES
served:	
Number of interested authorities you report to:	3
Copies provided of annual report to all interested authorities	YES
for each designated facility served:	
List all drinking water systems (if any) which receive all of their	Coe Hill Public School
drinking water from your system:	
Copies provided of annual report to all drinking water system	YES
owners to whom you provide all of its drinking water:	
Indicate method of notifying system users of annual report	Website and Public Request
availability free of charge:	

#### Description of Drinking Water System:

The Coe Hill Public School drinking water system consists of one well, located south of the school along the western fenceline. A submersible pump supplies raw water to a mechanical room in the basement of the school. The water passes through a pressure tank initially and then passes a pre-chlorination injection point. The pre-chlorinated water passes through a 450-litre retention tank and then a flow meter prior to water conditioning. The water then passes through a water softener and an activated carbon filter. After carbon filtration the water passes through a 25-1 micron cartridge filter and then a 1-micron (absolute) cartridge filter. Primary disinfection is then provided by a Trojan UV max pro 20 followed by a solenoid valve that automatically shuts off water flow in the case of poor water quality or loss of power. The water is then passed by a post-chlorination injector prior to distribution to the school plumbing (supplemental chlorination). Chlorine residual is measured each day the school is open.

A service contract is in place with Culligan Water, Belleville, to maintain the treatment system.

To satisfy treatment requirements as described in Ontario Regulation 170/03, Ultraviolet disinfection equipment is used as primary disinfection. In addition to meeting the minimum treatment requirement we add chlorination as a means of secondary disinfection, though it is not required in this system. The free chlorine residual is sampled and recorded on a daily basis and the UV solenoid is tested for proper functioning on a weekly basis.

A professional engineer hired by the Board certified that the water supply and works do meet the minimum standards set out in the Ontario Regulation 170/03. They also certified that the minimum treatment laid out in Schedule 2 of the regulations is being complied with and that all equipment required by Schedule 6 and Schedule 9 of the regulations is provided.

Water treatement chemicals used over this reporting period: 12% Sodium hypochlorite solution

Cientificant Evenence included (0-N/A, V-ADDUCADIE).					
Significant Expenses incurred included (0=N/A, X=APPLICABLE):					
X Install Required Equipment					
X Repair Required Equipment					
X Replace Required Equipment					
Description and breakdown of monetary expenses incurred: April 1, 2020 - M	arch 31, 2021				
Water system upgrades and replacements:					
Replacement - Pressure tank and chlorine injector pump	\$7,599.63				
Routine system maintenance (Including service contracts):					
Regular maintenance includes monthly checks of the water treatment system. Where					
components are replaced as regular maintenace (ie filters), that cost is noted under					
upgrades/replacements/part repair. The costs for regular maintenance on water treatmen	t				
equipment was :	\$2,824.18				
Water sampling and analysis:					
The cost for microbiological and chemical water sampling by Greer Galloway and analytical					
fees was:	\$2,793.66				
Staff Training:					
Costs for required training of staff under Ontario Regulation 170/03 was:	\$84.62				

Details on notices submitted in accordance with subsection 18(1) of the SDWA or section 16-4 of Schedule 16 of O.Reg. 170/03 and reported to SAC:

April 1, 2020 - March 31, 2021

			Unit of		Corrective action
Incident Date	Parameter	Result	Measure	<b>Corrective Action</b>	date
No incidents.					

**Microbiological testing done under the Schedule 10, 11 or 12 of O.Reg 170/03:** April 1, 2020 - March 31, 2021

	Number of samples	Range of E.Coli or Fecal Results	Range of TC Results
		(min-max)	(min-max)
Raw	10	0-0	0-0
Treated- Staff Kitchen	17	0-0	0-0
Distribution	17	0-0	0-0

Operational testing done under Schedule 7, 8 or 9 of O.Reg. 170/03:

April 1, 2020 - March 31, 2021

	Number of Grab Samples	Range of Results
		(min-max)
Turbidity	17	0.10 - 0.87
Chlorine	180	0.08 - 0.44

Inorganic testing done during this reporting period or most recent sample results:					
				Unit of	
Parameter		Sample Date	<b>Result Value</b>	Measure	Exceedance
Antimony		21-May-19	< 0.0001	mg/L	No
Arsenic		21-May-19	0.0001	mg/L	No
Barium		21-May-19	<0.001	mg/L	No
Boron		21-May-19	0.029	mg/L	No
Cadmium		21-May-19	<0.000015	mg/L	No
Chromium		21-May-19	<0.002	mg/L	No
*Lead	STANDING	6-Oct-20	0.00369	mg/L	No
	FLUSHED	6-Oct-20	0.001	mg/L	No
Mercury		21-May-19	<0.00002	mg/L	No
Selenium		21-May-19	< 0.001	mg/L	No
Sodium		21-May-19	57.1	mg/L	Yes
Uranium		21-May-19	0.00011	mg/L	No
Fluoride 21		21-May-19	<0.1	mg/L	No
Nitrite - 4th o	quarter result	Mar-21	0.1	mg/L	No
Nitrate - 4th	quarter result	Mar-21	3.3	mg/L	No

Organic testing done during this reporting period	Organic testing done during this reporting period or most recent sample results:					
			Unit of			
Parameter	Sample Date	Result Value	Measure	Exceedance		
Alachlor	21-May-19	<0.0003	mg/L	No		
Atrazine + N-dealkylated metobolites	21-May-19	<0.0005	mg/L	No		
Azinphos-methyl	21-May-19	<0.001	mg/L	No		
Benzene	21-May-19		0.	No		
Benzo(a)pyrene	21-May-19	<0.000005	mg/L	No		
Bromoxynil	21-May-19			No		
Carbaryl	21-May-19	<0.003	mg/L	No		
Carbofuran	21-May-19		0.	No		
Carbon Tetrachloride	21-May-19		-	No		
Chlorpyrifos	21-May-19		-	No		
Diazinon	21-May-19		mg/L	No		
Dicamba	21-May-19		0.	No		
1,2-Dichlorobenzene	21-May-19	<0.0005	mg/L	No		
1,4-Dichlorobenzene	21-May-19		<b>U</b> .	No		
1,2-Dichloroethane	21-May-19	<0.0005	mg/L	No		
1,1-Dichloroethene (vinylidene chloride)	21-May-19		U.	No		
Dichlormethane	21-May-19	<0.005	mg/L	No		
2,4-Dichlorophenol	21-May-19	<0.0001	mg/L	No		
2,4-Dichlorophenoxyacetic acid (2,4-D)	21-May-19		U.	No		
Diclofop-methyl	21-May-19		-	No		
Dimethoate	21-May-19		mg/L	No		
Diquat	21-May-19		0.	No		
Diuron	21-May-19	<0.005	mg/L	No		
Glyphosate	21-May-19			No		
MCPA 2-Methyl-4-chlorophenoxyacetic Acid	21-May-19	<0.010	mg/L	No		

	Unit of			
Inorganic or Organic Parameter(s) that e	xceed half the standard p	prescribed in So	chedule 2	2 of ODWQS:
Vinyl Chloride	21-May-19	<0.0002	mg/L	No
Trifluarlin	21-May-19	< 0.0005		No
2,4,6-Trichlorophenol	21-May-19	<0.0001	<u>.</u>	No
Trichloroethylene	21-May-19	<0.0005	-	No
Triallate	21-May-19	<0.010		No
2,3,4,6-Tetrachlorophenol	21-May-19	<0.0001	mg/L	No
Tetrachloroethylene	21-May-19	<0.0005	mg/L	No
Terbufos	21-May-19	<0.0003	mg/L	No
ТНМ	1-Sep-20	0.01	mg/L	No
Simazine	21-May-19	<0.0005	mg/L	No
Prometryne	21-May-19	<0.0001	mg/L	No
PolyChlorinated Biphenyls (PCB)	21-May-19	<0.00005	mg/L	No
Picloram	21-May-19	<0.020	mg/L	No
Phorate	21-May-19	<0.0003		No
Pentachlorophenol	21-May-19	<0.0001		No
Paraquat	21-May-19	< 0.001		No
Monochlorobenzene	21-May-19	<0.0005		No
Metribuzin	21-May-19	<0.003		No
Metolachlor	21-May-19	<0.003	-	No
Malathion	21-May-19	<0.005	mg/L	No

		Unit of		
Parameter	Result Value	Measure	Date of Sample	Notes:
Sodium	57.1	mg/L	21-May-19	Bottled water is made
				available.