Ontario Drinking Water Systems Regulation 170/03

HARMONY PUBLIC SCHOOL (CISTERN) ANNUAL REPORT

Drinking water system number:	**260095667**
Drinking water system name:	**Harmony Public School Cistern System**
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, 2021 - March 31, 2022**

Number of Designated Facilities Served:	2
Copies provided of annual report to all designated facilities served:	YES
Number of interested authorities you report to:	3
Copies provided of annual report to all interested authorities for each designated facility served:	YES
List all drinking water systems (if any) which receive all of their drinking water from your system:	Harmony Public School and YMCA Kids Club-Harmony Site
Copies provided of annual report to all drinking water system owners to whom you provide all of its drinking water:	YES
Indicate method of notifying system users of annual report availability	Website and Public Request

Description of Drinking Water System:

The Harmony Public School Cistern System consists of 1 300 gallon holding tank stored within the school and delivers municipally supplied water (DWS 220001628) through separate plumbing lines to drinking water fountains only. The water from the cistern is pumped through to 2, 5 micron cartridges prior to entering the drinking water lines. Chlorine residual is measured each day the school is open.

A service contract is in place with Foxboro Water Service to ensure fresh water supply. As this system uses water from another DWS site, testing for the parameters is the responsibility of the providing site.

To satisfy treatment requirements as described in Ontario Regulation 170/03, water is tested daily for chlorine residual.

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 ensured that the DWS is providing all equipment required in order to ensure compliance with the provisions of SChedule 2 of O Reg 170/03, and ensures compliance with the operational checks, sampling and testing provisions of O Reg 170/03 as provided in Schedule 6, Schedule 8 or 9 that applies to this category of DWS.

Water treatment chemicals used over this reporting period:

None

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Significant Expenses incurred included (0=N/A, X=APPLICABLE):

0	Install Required Equipment
X	Repair Required Equipment
0	Replace Required Equipment

Description and breakdown of monetary expenses incurred: April 1, 2021 - March 31, 2022

Water system upgrades and replacements:

No upgrades or replacements of equipment were completed during this year. **$0.00**

Routine system maintenance (Including service contracts):

Regular maintenance includes ensuring fresh water supply and testing for chlorine residual daily. The costs for regular maintenance on water treatment equipment was :

$3,520.00

Water sampling and analysis:

The cost for microbiological and chemical water sampling by Greer Galloway and analytical fees **$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, 2021 - March 31, 2022

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective action date
No Incidents.					

Microbiological testing done under the Schedule 10, 11 or 12 of O.Reg 170/03:

April 1, 2021 - March 31, 2022

	Number of samples	Range of E.Coli or Fecal Results (min-max)	Range of TC Results (min-max)
Cistern	9	0-0	0-0
Treated- Fountains	9	0-0	0-0
Distribution	9	0-0	0-0

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

April 1, 2021 - March 31, 2022

	Number of Grab Samples	Range of Results (min-max)
Turbidity	n/a	n/a
Chlorine	196	0.20-1.10

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Inorganic testing done during this reporting period or most recent sample results: *Not required .*				
Parameter	**Sample Date**	**Result Value**	**Unit of Measure**	**Exceedance**
Antimony	N/A	No	mg/L	N/A
Arsenic	N/A	No	mg/L	N/A
Barium	N/A	No	mg/L	N/A
Boron	N/A	No	mg/L	N/A
Cadmium	N/A	No	mg/L	N/A
Chromium	N/A	No	mg/L	N/A
Lead STANDING	26-Mar-21	0.00104	mg/L	No
FLUSHED		0.00084	mg/L	No
Mercury	N/A	No	mg/L	N/A
Selenium	N/A	No	mg/L	N/A
Sodium	N/A	Yes	mg/L	N/A
Uranium	N/A	No	mg/L	N/A
Fluoride	N/A	No	mg/L	N/A
Nitrite	N/A	No	mg/L	N/A
Nitrate	N/A	No	mg/L	N/A

Organic testing done during this reporting period or most recent sample results:				
Parameter	**Sample Date**	**Result Value**	**Unit of Measure**	**Exceedance**
Alachlor	N/A	N/A	mg/L	N/A
Atrazine + N-dealkylated metobolites	N/A	N/A	mg/L	N/A
Azinphos-methyl	N/A	N/A	mg/L	N/A
Benzene	N/A	N/A	mg/L	N/A
Benzo(a)pyrene	N/A	N/A	mg/L	N/A
Bromoxynil	N/A	N/A	mg/L	N/A
Carbaryl	N/A	N/A	mg/L	N/A
Carbofuran	N/A	N/A	mg/L	N/A
Carbon Tetrachloride	N/A	N/A	mg/L	N/A
Chlorpyrifos	N/A	N/A	mg/L	N/A
Diazinon	N/A	N/A	mg/L	N/A
Dicamba	N/A	N/A	mg/L	N/A
1,2-Dichlorobenzene	N/A	N/A	mg/L	N/A
1,4-Dichlorobenzene	N/A	N/A	mg/L	N/A
1,2-Dichloroethane	N/A	N/A	mg/L	N/A
1,1-Dichloroethene (vinylidene chloride)	N/A	N/A	mg/L	N/A
Dichlormethane	N/A	N/A	mg/L	N/A
2,4-Dichlorophenol	N/A	N/A	mg/L	N/A
2,4-Dichlorophenoxyacetic acid (2,4-D)	N/A	N/A	mg/L	N/A
Diclofop-methyl	N/A	N/A	mg/L	N/A
Dimethoate	N/A	N/A	mg/L	N/A
Diquat	N/A	N/A	mg/L	N/A
Diuron	N/A	N/A	mg/L	N/A
Glyphosate	N/A	N/A	mg/L	N/A
Malathion	N/A	N/A	mg/L	N/A

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MCPA 2-Methyl-4-chlorophenoxyacetic	**N/A**	N/A	mg/L	N/A
Metolachlor	**N/A**	N/A	mg/L	N/A
Metribuzin	**N/A**	N/A	mg/L	N/A
Monochlorobenzene	**N/A**	N/A	mg/L	N/A
Paraquat	**N/A**	N/A	mg/L	N/A
Pentachlorophenol	**N/A**	N/A	mg/L	N/A
Phorate	**N/A**	N/A	mg/L	N/A
Picloram	**N/A**	N/A	mg/L	N/A
PolyChlorinated Biphenyls (PCB)	**N/A**	N/A	mg/L	N/A
Prometryne	**N/A**	N/A	mg/L	N/A
Simazine	**N/A**	N/A	mg/L	N/A
Terbufos	**N/A**	N/A	mg/L	N/A
Tetrachloroethylene	**N/A**	N/A	mg/L	N/A
2,3,4,6-Tetrachlorophenol	**N/A**	N/A	mg/L	N/A
Triallate	**N/A**	N/A	mg/L	N/A
Trichloroethylene	**N/A**	N/A	mg/L	N/A
2,4,6-Trichlorophenol	**N/A**	N/A	mg/L	N/A
Trifluarlin	**N/A**	N/A	mg/L	N/A
Trihalomethanes (THM)	**N/A**	N/A	mg/L	N/A
Vinyl Chloride	**N/A**	N/A	mg/L	N/A