



RENFREW COUNTY CATHOLIC DISTRICT SCHOOL BOARD

MEMORANDUM

TO: Ivan Johnson

FROM: Renee Rivard
Community Use of Schools/Plant Services Officer

DATE: October 22, 2020

SUBJECT: Lead-Testing Report

The attached report requested by the Renfrew County Catholic District School Board describes the impact of the lead in our school drinking water systems. I believe you will find the results of the study useful in evaluating future lead outputs in our schools.

This study was designed to examine lead in our schools and actions, which were taken to resolve the issues.

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RENFREW COUNTY CATHOLIC DISTRICT SCHOOL BOARD

LEAD EXCEEDANCE TEST RESULTS

As required under the Ontario Regulation 243/07—Schools, Private Schools and Day Nurseries under the Safe Drinking Water Act; there is a mandatory annual sampling and testing of school water systems for lead in drinking water. All of RCCDSB's school sites had lead sampling completed in the summer. Two required samples are taken; the first of the two are taken from a tap which is commonly used to provide water for consumption by children under 18 years of age (not a fountain), however has been unused for six hours or more. The second sample is taken after the water has been flushed through the system for at least five minutes.

The following chart illustrates the exceedance of lead in specific schools drinking water systems. A written notice was sent out to each school affected, the Ministry of the Environment, as well as the Medical Officer of Health.

The recommendation is that the schools will continue to follow Reg.243/07 flushing daily to reduce the concentration of lead in our drinking water. Some schools, fountains were replaced and resampled. Another school a carbon filter was installed on the lines leading to the taps in exceedance. Results indicate flushing reduces lead below the acceptable standard.

School Name	SFIS #	DWS Number	Collection Date	Location Type	Parameter Name	Test Result	Ontario Standard
St. Joseph's, Calabogie	4088	500045397	2020/10/01	Standing – Tap at back counter Rm#12	Lead	16.8	10 ug/L
			2020/10/01	Flushed – Tap at back counter Rm#12	Lead	6.31	
			2020/09/30	Standing – Tap by Window in Rm#12	Lead	20.7	
			2020/09/30	Flushed – Tap by Window Rm#12	Lead	6.65	
			2020/09/21	Standing – Tap at back counter Rm#12	Lead	17.3	
			2020/09/21	Flushed – Tap at back counter Rm#12	Lead	6.35	
St. Anthony's	3767	500045319	2020/09/15	Standing – Fountain by Rm 7	Lead	28.7	10 ug/L
			2020/09/15	Flushed – Fountain by Rm 7	Lead	15.5	
			2020/09/15	Standing – Tap in Room 10	Lead	10.7	
			2020/09/15	Flushed – Tap in Room 10	Lead	3.87	
			2020/09/23	Standing—Fountain by Rm 7 (Resample)	Lead	31.4	
			2020/09/23	Flushed—Fountain by Rm 7 (Resample)	Lead	13.5	
			2020/10/23	Standing—Fountain by Rm 7 Bottle Fill (Resample)	Lead	0.12	
			2020/10/23	Flushed—Fountain by Rm 7 Bottle Fill (Resample)	Lead	0.15	
2020/10/29	Standing – Fountain by Rm 7 Bubblers (Resample)	Lead	0.06				
2020/10/29	Flushed – Fountain by Rm 7 Bubblers (Resample)	Lead	0.04				
St. Mary's OLGC	4274	500123722	2020/09/16	Standing – Tap in Rm #143 – Middle Back	Lead	10.7	10 ug/L
			2020/09/16	Flushed – Tap in Rm #143 – Middle Back	Lead	1.61	

SCHOOLS TESTED

School Name	SFIS Number	Collection Date	Test Results	Location Type
St. John XXIII	3356	2020/09/17	0.30 ug/L 0.35 ug/L	Standing – Tap in Room 129 Flushed – Tap in Room 129
St. Joseph’s, Arnprior	4085	2020/09/17	4.31 ug/L 3.09 ug/L	Standing – Fountain in Room 5 Flushed – Fountain in Room 5
St. Joseph’s, Arnprior	4085	2020/09/17	0.05 ug/L 0.03 ug/L	Standing – Fountain by Room 44 – Bottle Fill Flushed – Fountain by Room 44 – Bottle Fill
St. Joseph’s, Arnprior	4085	2020/09/18	0.02 ug/L 0.02 ug/L	Standing – Fountain by Room 44 - Bubbler Flushed – Fountain by Room 44 - Bubbler
St. John Bosco	4056	2020/09/22	1.90 ug/L 0.82 ug/L	Standing – Tap in Room 24 – Front Tap Flushed – Tap in Room 24 – Front Tap
St. Joseph’s, Calabogie	4088	2020/09/21	2.20 ug/L 1.74 ug/L	Standing – Tap in Room 2 Flushed – Tap in Room 2
St. Joseph’s, Calabogie	4088	2020/09/21	17.3 ug/L 6.35 ug/L	Standing – Tap at back counter Room 12 Flushed – Tap at back counter Room 12
St. Joseph’s Calabogie	4088	2020/09/22	15.6 ug/L 6.24 ug/L	Standing—Tap by window in Room 12 Flushed—Tap by window in Room 12
St. Joseph’s Calabogie	4088	2020/10/01	16.8 ug/L 6.31 ug/L	Standing—Tap at back counter Room 12 (Resample) Flushed—Tap at back counter Room 12 (Resample)
St. Joseph’s, Calabogie	4088	2020/09/30	20.7 ug/L 6.65 ug/L	Standing – Tap by window in Room 12 (Resample) Flushed – Tap by window in Room 12 (Resample)
St. Anthony’s	3767	2020/09/15	28.7 ug/L 15.5 ug/L	Standing—Fountain by Room 7 Flushed—Fountain by Room 7
St. Anthony’s	3767	2020/09/15	10.7 ug/L 3.87 ug/L	Standing—Tap in Room 10 Flushed—Tap in Room 10
St. Anthony’s	3767	2020/09/23	31.4 ug/L 13.5 ug/L	Standing – Fountain by Room 7 (Resample) Flushed – Fountain by Room 7 (Resample)
St. Anthony’s	3767	2020/10/23	0.12 ug/L 0.15 ug/L	Standing – Fountain by Room 7 – Bottle Fill (Resample) Flushed – Fountain by Room 7 – Bottle Fill (Resample)
St. Anthony’s	3767	2020/10/29	0.06 ug/L 0.04 ug/L	Standing – Fountain by Room 7 – Bubbler (Resample) Flushed – Fountain by Room 7 - Bubbler (Resample)
George Vanier	3604	2020/09/21	1.44 ug/L 1.50 ug/L	Standing – Tap in Room 15 – Right Tap Flushed – Tap in Room 15 – Right Tap
St. Mary’s OLGC	4274	2020/09/15	5.22 ug/L 1.10 ug/L	Standing – Tap in Room 143 Front Flushed – Tap in Room 143 Front
St. Mary’s OLGC	4274	2020/09/16	10.7 ug/L 1.61 ug/L	Standing – Tap in Room 143 Middle Back Flushed – Tap in Room 143 Middle Back
St. Michael’s	4326	2020/09/28	0.01 ug/L 0.03 ug/L	Standing – Fountain by Room 3 – Bottle Fill Flushed – Fountain by Room 3 – Bottle Fill
St. Michael’s	4326	2020/09/29	0.02 ug/L 0.01 ug/L	Standing – Fountain by Room 3 - Bubbler Flushed – Fountain by Room 3 - Bubbler
St. James	4013	2020/09/28	0.50 ug/L 0.54 ug/L	Standing – Fountain in Room 13 Flushed – Fountain in Room 13
St. Andrew’s	3715	2020/09/21	0.01 ug/L 0.01 ug/L	Standing – Fountain by Room 15 – Bottle Fill Flushed – Fountain by Room 15 – Bottle Fill
St. Andrew’s	3715	2020/09/22	0.01 ug/L 0.01 ug/L	Standing – Fountain by Room 15 - Bubbler Flushed – Fountain by Room 15 – Bubbler
St. Francis of Assisi	17382	2020/09/17	0.70 ug/L 0.29 ug/L	Standing – Tap in Room 109 – Gym Side Flushed – Tap in Room 109 – Gym Side
Cathedral	3116	2020/09/17	0.17 ug/L 0.06 ug/L	Standing – Fountain in hall by Room 107 – Bottle Fill Flushed – Fountain in hall by Room 107 – Bottle Fill
Cathedral	3116	2020/09/23	0.19 ug/L 0.05 ug/L	Standing – Fountain in hall by Room 107 – Bubbler Flushed – Fountain in hall by Room 107 – Bubbler
Holy Name/Valleycrest I	3298/2693	2020/09/16	4.73 ug/L 1.93 ug/L	Standing – Tap in Room 1 Flushed – Tap in Room 1
Our Lady of Lourdes	3543	2020/09/24	0.13 ug/L 0.19 ug/L	Standing – Fountain by Room 6 – Bottle Fill Flushed – Fountain by Room 6 – Bottle Fill

Our Lady of Lourdes	3543	2020/09/25	0.23 ug/L 0.41 ug/L	Standing—Fountain by Room 6 - Bubbler Flushed—Fountain by Room 6 – Bubbler
Our Lady of Sorrows	10762	2020/09/17	0.02 ug/L 0.02 ug/L	Standing – Fountain #2 left side – Bottle Fill Flushed – Fountain #2 left side – Bottle Fill
School Name	SFIS #	Collection Date	Test Results	Location Type
Our Lady of Sorrows	10762	2020/09/24	0.02 ug/L 0.02 ug/L	Standing – Fountain #2 left side - Bubbler Flushed – Fountain #2 left side – Bubbler
Our Lady of Fatima	3505	2020/09/23	0.06 ug/L 0.02 ug/L	Standing – Fountain by Room 3 – Bottle Fill Flushed – Fountain by Room 3 – Bottle Fill
Our Lady of Fatima	3505	2020/09/24	0.02 ug/L 0.03 ug/L	Standing – Fountain by Room 3 - Bubbler Flushed – Fountain by Room 3 – Bubbler
St. Thomas the Apostle/Valleycrest II	4513/6472	2020/09/23	0.93 ug/L 0.34 ug/L	Standing – Fountain by Room 410 Flushed – Fountain by Room 410
Our Lady of Grace	3531	2020/10/02	0.01 ug/L 0.01 ug/L	Standing – Fountain by Exit 2 - Bubbler Flushed – Fountain by Exit 2 – Bubbler
Our Lady of Grace	3531	2020/10/05	0.01 ug/L 0.01 ug/L	Standing – Fountain by Exit 2 – Bottle Fill Flushed – Fountain by Exit 2 – Bottle Fill
Bishop Smith CHS— Secondary Bishop Smith CHS— Elementary	3052/3065	2020/09/25	2.58 ug/L 3.29 ug/L	Standing – Tap in Room 141 Flushed – Tap in Room 141
Bishop Smith CHS— Secondary Bishop Smith CHS— Elementary	3052/3065	2020/09/25	0.74 ug/L 1.00 ug/L	Standing—Fountain by Room 138 – Bottle Fill Flushed—Fountain by Room 138 – Bottle Fill
Bishop Smith CHS— Secondary Bishop Smith CHS— Elementary	3052/3065	2020/10/08	2.81 ug/L 1.32 ug/L	Standing—Fountain by Room 138 – Bubbler Flushed—Fountain by Room 138 – Bubbler
Bishop Smith CHS— Secondary Bishop Smith CHS— Elementary	3052/3065	2020/09/25	1.08 ug/L 0.79 ug/L	Standing – Fountain by Room 264 – Bottle Fill Flushed – Fountain by Room 264 – Bottle Fill
Bishop Smith CHS— Secondary Bishop Smith CHS— Elementary	3052/3065	2020/10/08	1.54 ug/L 1.37 ug/L	Standing – Fountain by Room 264 – Bubbler Flushed – Fountain by Room 264 – Bubbler
Bishop Smith CHS— Secondary Bishop Smith CHS— Elementary	3052/3065	2020/09/25	1.05 ug/L 2.23 ug/L	Standing – Fountain in Hall by Room 100 Flushed – Fountain in Hall by Room 100
Bishop Smith CHS— Secondary Bishop Smith CHS— Elementary	3052/3065	2020/09/25	1.06 ug/L 1.34 ug/L	Standing—Fountain by Courtyard 1 – Bottle Fill Flushed—Fountain by Courtyard 1 – Bottle Fill
Bishop Smith CHS— Secondary Bishop Smith CHS— Elementary	3052/3065	2020/10/08	3.03 ug/L 2.68 ug/L	Standing—Fountain by Courtyard 1 – Bubbler Flushed—Fountain by Courtyard 1 – Bubbler
Bishop Smith CHS— Secondary Bishop Smith CHS— Elementary	3052/3065	2020/09/25	0.70 ug/L 0.84 ug/L	Standing—Special Education Fountain – Bottle Fill Flushed—Special Education Fountain – Bottle Fill
Bishop Smith CHS— Secondary Bishop Smith CHS— Elementary	3052/3065	2020/10/08	1.50 ug/L 1.21 ug/L	Standing—Special Education Fountain – Bubbler Flushed—Special Education Fountain – Bubbler
St. Joseph’s Alternate School	11079/4141	2020/09/30	3.82 ug/L 0.68 ug/L	Standing—Tap in kitchen Flushed—Tap in kitchen

St. Joseph's CHS – Secondary St. Joseph's CHS – Elementary	11079/4141	2020/09/15	0.62 ug/L 0.36 ug/L	Standing – Tap in Room 217 Flushed – Tap in Room 217
St. Joseph's CHS—Secondary St. Joseph's CHS—Elementary	11079/4141	2020/09/15	0.91 ug/L 0.66 ug/L	Standing—Fountain by Room 222 Flushed—Fountain by Room 222