



RENFREW COUNTY CATHOLIC DISTRICT SCHOOL BOARD

MEMORANDUM

TO: Ivan Johnson

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

DATE: October 5, 2021

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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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. The Ontario Regulation 243/07 standard for Lead is 10ug/L. We had two distribution taps that did not meet the standard. 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 from the Renfrew County District Health Unit is that the schools will continue to follow Reg.243/07 flushing daily to reduce the concentration of lead in our drinking water. Results indicate flushing reduces lead below the acceptable standard.

SCHOOLS TESTED WITH EXCEEDANCES

School Name	SFIS #	DWS Number	Collection Date	Location Type	Parameter Name	Test Result	Ontario Standard
Bishop Smith CHS	3052/3065	500045189	2021/05/19	Standing – Fountain by Rm 259 Flushed – Fountain by Rm 259	Lead Lead	13.0 3.03	10 ug/L
Our Lady of Fatima	3505	500000898	2021/05/25	Standing – Fountain by Rm 23 Flushed – Fountain by Rm 23	Lead Lead	34.6 MAC 20.9 MAC	10 ug/L

The Lead exceedance for Bishop Smith CHS had the exceedance in the standing therefore, that tap will be flushed daily until it has good results for two consecutive years.

The Lead exceedance for Our Lady of Fatima had both the standing and flushed over the Ontario 247/07 regulation therefore, the old fountain was changed to a bottle filling station which has a lead reducing filter on it. As well the tap will continue to be flushed daily until it has good results for two consecutive years.

SCHOOLS TESTED WITHOUT EXCEEDANCES

School Name	SFIS Number	Collection Date	Test Results	Location Type
St. John XXIII	3356	2021/05/18	0.02 ug/L 0.02 ug/L	Standing – Fountain by rm 410 bubbler Flushed – Fountain by rm 410 bubbler
St. John XXIII	3356	2021/05/31	0.01 ug/L 0.01 ug/L	Standing—Fountain by rm 410 bottle fill Flushed—Fountain by rm 410 bottle fill
St. Joseph’s, Arnprior	4085	2021/05/18	0.29 Ug/L 0.32 ug/L	Standing – Fountain in Room 37 Left Flushed – Fountain in Room 37 Left
St. Joseph’s, Arnprior	4085	2021/05/18	2.45 ug/L 0.78 ug/L	Standing – Fountain in room #5 Flushed – Fountain in room #5
St. John Bosco	4056	2021/06/02	1.28 ug/L 0.44 ug/L	Standing – Tap in Room 24 – Back Tap Flushed – Tap in Room 24 – Back Tap
St. Joseph’s, Calabogie	4088	2021/05/18	0.01 RVNS 0.01 <MDL RVNS	Standing – Fountain by rm #18 Bubbler fill Flushed – Fountain by rm #18 Bubbler Fill
St. Joseph’s, Calabogie	4088	2021/05/18	1.05 ug/L 0.25 ug/L	Standing – Tap by window in room 12 Flushed – Tap by window in rm 12
St. Joseph’s Calabogie	4088	2021/07/05	0.01 ug/L 0.02 ug/L	Standing—Fountain by rm #18 bottle fill Flushed—Fountain by rm #18 bottle fill
St. Joseph’s Calabogie	4088	2021/07/05	0.51ug/L 0.31 ug/L	Standing—Tap at back counter Room 12 Flushed—Tap at back counter Room 12
St. Anthony’s	3767	2021/05/17	0.02 ug/L 0.01<MDL ug/L	Standing—Fountain by Room 7 bottle fill Flushed—Fountain by Room 7 bottle fill
St. Anthony’s	3767	2021/05/17	3.09 ug/L 1.67 ug/L	Standing—Tap in Room 10 Flushed—Tap in Room 10
St. Anthony’s	3767	2021/05/17	0.04 ug/L 0.04 ug/L	Standing – Fountain by Room 16 bottle fill Flushed – Fountain by Room 16 bottle fill
St. Anthony’s	3767	2021/05/18	0.02 ug/L 0.01 ug/L	Standing – Fountain by Room 7 –bubbler fill Flushed – Fountain by Room 7 – bubbler fill
St. Anthony’s	3767	2021/05/18	0.01<MDL RVNS 0.01<MDL RVNS	Standing – Fountain by Room 16 bubbler fill Flushed – Fountain by Room 16 bubbler fill
George Vanier	3604	2021/06/02	8.36 ug/L 4.60 ug/L	Standing – Tap in Room 15 – Left Tap Flushed – Tap in Room 15 – Left Tap
St. Mary’s OLG	4274	2021/05/17	0.15 ug/L 0.39 ug/L	Standing – Tap in Room 143 Middle back Flushed – Tap in Room 143 Middle back
St. Mary’s OLG	4274	2021/05/17	1.16 ug/L 0.13 ug/L	Standing – Fountain in room 108 Flushed – Fountain in room 108
St. Michael’s	4326	2021/05/26	0.01 ug/L 0.01 ug/L	Standing – Fountain outside of gym bubbler fill Flushed – Fountain outside of gym bubbler fill
St. Michael’s	4326	2021/05/31	0.01 ug/L 0.01 ug/L	Standing – Fountain outside of gym bottle fill Flushed – Fountain outside of gym bottle fill
St. James	4013	2021/05/26	1.09 ug/L 0.52 ug/L	Standing – Fountain by room 2 Flushed – Fountain by room 2
St. Andrew’s	3715	2021/06/02	1.50 ug/L 1.58 ug/L	Standing – Tap in Room 14 Flushed – Tap in Room 14
St. Francis of Assisi	17382	2021/05/25	0.07 ug/L 0.02 ug/L	Standing – Tap in Room 109 – Hall Side Flushed – Tap in Room 109 – Hall Side
Cathedral	3116	2021/05/28	1.27 ug/L 0.60 ug/L	Standing – Fountain in hall by Room 104 Flushed – Fountain in hall by Room 104
Holy Name/Valleycrest I	3298/2693	2021/05/26	7.22 ug/L 2.32 ug/L	Standing – Fountain by room 7 Flushed – Fountain by room 7

Our Lady of Lourdes	3543	2021/05/26	1.46 ug/L 0.62 ug/L	Standing – Tap in room 30 left tap Flushed – Tap in room 30 left tap
School Name	SFIS #	Collection Date	Test Results	Location Type
Our Lady of Sorrows	10762	2021/05/25	0.24 ug/L 0.08 ug/L	Standing – Tap in Room 5 Flushed – Tap in room 5
Our Lady of Fatima	3505	2021/09/21	0.01<MDI ug/L 0.27 ug/L	Standing – Fountain by room 23—bottle fill Flushed – Fountain by Room 23 – Bottle Fill
Our Lady of Fatima	3505	2021/09/21	0.06 ug/L 0.08 ug/L	Standing – Fountain by Room 23 - Bubbler Flushed – Fountain by Room 23 – Bubbler
St. Thomas the Apostle/Valleycrest II	4513/6472	2021/05/25	0.85 ug/L 0.70 ug/L	Standing – Fountain in room 404 Flushed – Fountain in room 404
Our Lady of Grace	3531	2021/06/01	0.47 ug/L 0.26 ug/L	Standing – Tap in Room #5 Flushed – Tap in Room #5
Bishop Smith CHS—Secondary Bishop Smith CHS—Elementary	3052/3065	2021/05/19	2.05 ug/L 1.05ug/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	2021/05/19	2.76 ug/L 2.47 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	2021/05/19	2.31 ug/L 2.06 ug/L	Standing—Special Education Fountain – Bottle Fill Flushed—Special Education Fountain – Bottle Fill
Bishop Smith CHS—Secondary Bishop Smith CHS—Elementary	3052/3065	2021/05/19	3.69 ug/L 0.84 ug/L	Standing – Fountain by Room 203 – Bottle Fill Flushed – Fountain by Room 203 – Bottle Fill
Bishop Smith CHS—Secondary Bishop Smith CHS—Elementary	3052/3065	2021/05/27	2.29 ug/L 1.88 ug/L	Standing – Fountain by Room 264 – Bubbler Flushed – Fountain by Room 264 – Bubbler
Bishop Smith CHS—Secondary Bishop Smith CHS—Elementary	3052/3065	2021/05/27	3.01 ug/L 2.78 ug/L	Standing – Fountain In Rm 138 bubbler fill Flushed – Fountain in Rm 138 bubbler fill
Bishop Smith CHS—Secondary Bishop Smith CHS—Elementary	3052/3065	2021/05/27	4.79 ug/L 2.65 ug/L	Standing—Fountain by room 203 bubbler fill Flushed—Fountain by room 203 bubbler fill
Bishop Smith CHS—Secondary Bishop Smith CHS—Elementary	3052/3065	2021/05/27	2.36 ug/L 2.39 ug/L	Standing—Special Education Fountain – Bubbler Fill Flushed—Special Education Fountain – Bubbler Fill
Bishop Smith CHS—Secondary Bishop Smith CHS—Elementary	3052/3065	2021/08/25	2.33 ug/L 1.23 ug/L	Standing—Fountain by room 142 bottle fill Flushed—Fountain by room 142 bottle fill
Bishop Smith CHS—Secondary Bishop Smith CHS—Elementary	3052/3065	2021/08/25	0.79 ug/L 0.70 ug/L	Standing—Tech wing fountain by rm 163A Bottle fill Flushed—Tech wing fountain by rm 163A bottle fill
Bishop Smith CHS—Secondary Bishop Smith CHS—Elementary	3052/3065	2021/08/25	3.80 ug/L 1.06 ug/L	Standing—Fountain by rm 146 bottle fill Flushed—Fountain by rm 146 bottle fill
Bishop Smith CHS—Secondary Bishop Smith CHS—Elementary	3052/3065	2021/08/26	1.58 ug/L 0.44 ug/L	Standing—Fountain by rm 142 bubbler fill Flushed—Fountain by rm 142 bubbler fill
Bishop Smith CHS—Secondary Bishop Smith CHS—Elementary	3052/3065	2021/08/26	0.86 ug/L 0.40 ug/L	Standing—Tech wing fountain by rm 163A Bubbler Flushed—Tech wing fountain by rm 163A bubbler
Bishop Smith CHS—Secondary Bishop Smith CHS—Elementary	3052/3065	2021/08/26	1.66 ug/L 0.60 ug/L	Standing—Fountain by rm 146 bubbler fill Flushed—Fountain by rm 146 bubbler fill
St. Joseph’s Alternate School	11079/4141	2021/05/25	2.28 ug/L 1.27 ug/L	Standing—Tap in kitchen Flushed—Tap in kitchen
St. Joseph’s CHS – Secondary St. Joseph’s CHS – Elementary	11079/4141	2021/05/25	0.50 ug/L 0.26 ug/L	Standing – Prep Room Tap in Room 111 Flushed – Prep Room Tap in Room 111