



RENFREW COUNTY CATHOLIC DISTRICT SCHOOL BOARD

MEMORANDUM

TO: Ivan Johnson

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

DATE: Sept 30, 2019

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, the taps and fountains were replaced and resampled. Another school the sink and tap was completely removed. 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 Arnprior	4085	500045462	2019/06/19	Standing—Room 5	Lead	10.7	10 ug/L
			2019/06/19	Flushed—Room 5	Lead	1.70	
St. Joseph's, Calabogie	4088	500045397	2019/06/17	Standing – Tap by window in Rm 12	Lead	66.9	10 ug/L
			2019/06/17	Flushed – Tap by Window in Rm 12	Lead	6.88	
			2019/06/18	Standing – Tap at back counter in Rm 12	Lead	55.0	10 ug/L
			2019/06/18	Flushed – Tap at back counter in Rm 12	Lead	20.6	
			2019/07/08	Standing – Tap by window in Rm 12	Lead	54.6	10 ug/L
			2019/07/08	Flushed – Tap by Window in Rm 12	Lead	16.1	
			2019/07/04	Standing – Tap at back counter in Rm 12 (resample)	Lead	63.8	10 ug/L
			2019/07/04	Flushed – Tap at back counter in Rm 12	Lead	19.9	
			2019/08/14	Standing – Tap by window in Rm 12 (resample)	Lead	34.2	10 ug/L
			2019/08/14	Flushed – Tap by Window in Rm 12	Lead	8.85	
			2019/08/13	Standing – Tap at back counter in Rm 12 (resample)	Lead	39.9	10 ug/L
2019/08/13	Flushed – Tap at back counter in Rm 12	Lead	7.78				
St. Anthony's	3767	500045319	2019/06/06	Standing—Tap Room 10	Lead	13.1	10 ug/L
			2019/06/06	Flushed—Tap Room 10	Lead	0.27	
St. Mary's OLGC	4274	500123722	2019/06/11	Standing – Rm 143 Far Back	Lead	14.7	10 ug/L
			2019/06/11	Flushed – Rm 143 Far Back	Lead	2.75	
St. Mary's OLGC	4274	500123722	2019/08/22	Standing-Rm 143 Far Back (resample)	Lead	12.3	10 ug/L
			2019/08/22	Flushed—Rm 143 Far Back (resample)	Lead	11.0	
Bishop Smith CHS	3052/ 3065	500045189	2019/06/07	Standing – Spec. Ed. Fountain	Lead	11.3	10 ug/L
			2019/06/07	Flushed – Spec. Ed. Fountain	Lead	4.54	
			2019/06/11	Standing – Fountain Room 138	Lead	14.1	10 ug/L
			2019/06/11	Flushed – Fountain Room 138	Lead	5.17	
			2019/06/25	Standing – Hall Fountain by Rm 264	Lead	33.1	10 ug/L
2019/06/25	Flushing – Hall Fountain by Rm 264	Lead	6.71				

SCHOOLS TESTED

School Name	SFIS Number	Collection Date	Test Results	Location Type
St. John XXIII	3356	2019/06/19	7.04 ug/L 7.81 ug/L	Standing – Fountain by Room 107 Flushed – Fountain by Room 107
St. John XXIII	3356	2019/06/19	0.33 ug/L 0.49 ug/L	Standing – Fountain in Rm 108 Flushed – Fountain in Rm 108
St. Joseph's, Arnprior	4085	2019/06/19	0.47 ug/L 0.30 ug/L	Standing – Fountain in Rm 4 Flushed – Fountain in Rm 4
St. Joseph's, Arnprior	4085	2019/06/19	10.7 ug/L 1.70 ug/L	Standing – Fountain in Rm 5 Flushed – Fountain in Rm 5
St. John Bosco	4056	2019/06/04	0.07 ug/L 0.04 ug/L	Standing – Fountain in hall by Exit 7 bubbler fill Flushed – Fountain in hall by Exit 7 bubbler fill
St. John Bosco	4056	2019/06/04	0.01 ug/L 0.04 ug/L	Standing – Fountain in hall by Exit 7 bottle fill Flushed – Fountain in hall by Exit 7 bottle fill
St. Joseph's, Calabogie	4088	2019/06/17	66.9 ug/L 6.88 ug/L	Standing – Tap by window in Rm#12 Flushed – Tap by window in Rm#12
St. Joseph's Calabogie	4088	2019/07/08	54.6 ug/L 16.1 ug/L	Standing—Tap by window in Rm #12 (Resample) Flushed—Tap by window in Rm #12 (Resample)
St. Joseph's Calabogie	4088	2019/07/14	34.2 ug/L 8.85 ug/L	Standing—Tap by window in Rm #12 (Resample) Flushed—Tap by window in Rm #12 (Resample)
St. Joseph's, Calabogie	4088	2019/06/18	55.0 ug/L 20.6 ug/L	Standing – Tap at back counter in Rm#12 Flushed – Tap at back counter in Rm#12
St. Joseph's Calabogie	4088	2019/07/04	63.8 ug/L 19.9 ug/L	Standing—Tap at back counter in Rm #12 (resample) Flushed—Tap at back counter in Rm #12 (Resample)
St. Joseph's Calabogie	4088	2019/07/13	39.9 ug/L 7.78 ug/L	Standing—Tap at back counter in Rm #12 (resample) Flushed—Tap at back counter in Rm #12 (resample)
St. Joseph's, Calabogie	4088	2019/06/17	2.40 ug/L 0.97 ug/L	Standing – Fountain upstairs Flushed – Fountain upstairs
St. Anthony's	3767	2019/06/06	13.1 ug/L 0.27 ug/L	Standing – Tap room 10 Flushed – Tap Room 10
George Vanier	3604	2019/06/04	6.55 ug/L 1.04 ug/L	Standing – Fountain across from Rm 3 Flushed – Fountain across from Rm 3
George Vanier	3604	2019/06/04	0.34 ug/L 0.20 ug/L	Standing – Tap in Rm 7 Flushed – Tap in Rm 7
St. Mary's OLGC	4274	2019/06/11	0.10 ug/L 0.12 ug/L	Standing – Hall Fountain by Rm 144 (Bottle Fill) Flushed – Hall Fountain by Rm 144 (Bottle Fill)
St. Mary's OLGC	4274	2019/06/11	0.08 ug/L 0.07 ug/L	Standing – Fountain in hall by rm 135 (Bottle fill) Flushed – Fountain in hall by rm 135 (Bottle fill)
St. Mary's OLGC	4274	2019/06/10	1.16 ug/L 0.97 ug/L	Standing – Fountain in hall by rm 157 Flushed – Fountain in hall by rm 157
St. Mary's OLGC	4274	2019/06/10	1.22 ug/L 0.27 ug/L	Standing – Fountain in hall by rm 400 Flushed – Fountain in hall by rm 400
St. Mary's OLGC	4274	2019/06/10	0.25 ug/L 0.70 ug/L	Standing – Hall Fountain by Rm 144 (Bubbler) Flushed – Hall Fountain by Rm 144 (Bubbler)
St. Mary's OLGC	4274	2019/06/11	14.7 ug/L 2.75 ug/L	Standing – Room 143 Far Back Flushed – Room 143 Far Back
St. Mary's OLGC	4274	2019/08/22	12.3 ug/L 11 ug/L	Standing—Room 143 Far Back (resample) Flushed—Room 143 Far Back (resample)
St. Mary's OLGC	4274	2019/06/10	1.48 ug/L 3.37 ug/L	Standing – Room 143 Middle Back Flushed – Room 143 Middle Back
St. Mary's OLGC	4274	2019/06/10	0.10 ug/L 0.10 ug/L	Standing-Fountain in hall by rm 135 (bubbler) Flushed—Fountain in hall by rm 135 (bubbler)
St. Michael's	4326	2019/06/05	0.24 ug/L 0.53 ug/L	Standing – Fountain in hall by rm 27 bottle fill Flushed – Fountain in hall by rm 27 bottle fill
St. Michael's	4326	2019/06/06	0.18 ug/L 0.21 ug/L	Standing – Fountain in hall by rm 27 bubbler Flushed – Fountain in hall by rm 27 bubbler

School Name	SFIS#	Collection Date	Test Results	Location Type
St. James	4013	2010/06/10	0.01 ug/L 0.03 ug/L	Standing – Fountain in Hall by Rm 18 (Bottle Fill) Flushed – Fountain in hall by rm 18 (Bottle Fill)
St. James	4013	2019/06/11	0.02 ug/L 0.02 ug/L	Standing – Fountain in hall by rm 18 (bubbler) Flushed – Fountain in hall by rm 18 (Bubbler)
St. Andrew's	3715	2019/06/04	1.04 ug/L 0.77 ug/L	Standing – Fountain in Room 8 Flushed – Fountain in Room 8
St. Francis of Assisi	17382	2019/06/14	0.02 ug/L 0.02 ug/L	Standing – Fountain in middle corridor bottle fill Flushed – Fountain in middle corridor bottle fill
St. Francis of Assisi	17382	2019/06/13	0.02 ug/L 0.03 ug/L	Standing – Fountain in middle corridor bubbler fill Flushed – Fountain in middle corridor bubbler fill
St. Francis of Assisi	17382	2019/06/13	0.01 ug/L 0.01 ug/L	Standing--Fountain in left corridor Flushed—Fountain in left corridor

Cathedral	3116	2019/06/19	0.10 ug/L 0.01 ug/L	Standing – Fountain in Hall by Rm 209 right Flushed – Fountain in Hall by Rm 209 right
Cathedral	3116	2019/06/19	0.34 ug/L 0.30 ug/L	Standing – Fountain in Hall by Rm 114 right Flushed – Fountain in Hall by Rm 114 right
Holy Name/Valleycrest I	3298/2693	2019/06/18	4.42 ug/L 1.36 ug/L	Standing – Fountain in hall by Rm 8 Flushed – Fountain in hall by Rm 8
Holy Name/Valleycrest I	3298/2693	2019/06/18	2.72 ug/L 1.25 ug/L	Standing – Tap in Rm 6 left tap Flushed – Tap in Rm 6 left tap
Holy Name/Valleycrest I	3298/2693	2019/06/19	4.63 ug/L 1.57 ug/L	Standing – Tap in Rm 6 middle tap Flushed – Tap in Rm 6 middle tap
Holy Name/Valleycrest I	3298/2693	2019/06/20	3.28 ug/L 2.02 ug/L	Standing – Tap in Rm 6 right tap Flushed – Tap in Rm 6 right tap
Holy Name/Valleycrest I	3298/2693	2019/06/18	0.46 ug/L 0.33 ug/L	Standing – Tap in Rm 31 Flushed – Tap in Rm 31
Our Lady of Lourdes	3543	2019/06/21	0.18 ug/L 0.25 ug/L	Standing – Fountain in hall by rm 22 (bottle fill) Flushed – Fountain in hall by rm 22 (Bottle fill)
Our Lady of Lourdes	3543	2019/06/21	3.11 ug/L 2.38 ug/L	Standing—Fountain in hall by rm 44 Flushed—Fountain in hall by rm 44
Our Lady of Lourdes	3543	2019/06/21	1.72 ug/L 1.05 ug/L	Standing – Tap in Room 7 Flushed – Tap in Room 7
Our Lady of Lourdes	3543	2019/06/24	0.18 ug/L 1.22 ug/L	Standing—Fountain in hall by rm 22 (bubbler) Flushed—Fountain in hall by rm 22 (bubbler)
Our Lady of Sorrows	10762	2019/06/14	0.10 ug/L 0.03 ug/L	Standing – Fountain in hall by rm 202 left Flushed – Fountain in hall by rm 202 left
Our Lady of Sorrows	10762	2019/06/14	1.69 ug/L 1.26 ug/L	Standing – Fountain in hall by rm 2 Flushed – Fountain in hall by rm 2
Our Lady of Fatima	3505	2019/06/26	0.40 ug/L 0.23 ug/L	Standing – Right fountain by rm 3 Flushed – Right fountain by rm 3
St. Thomas the Apostle/Valleycrest II	4513/6472	2019/06/20	0.04 ug/L 0.07 ug/L	Standing – Fountain in hall by Rm 102 (Bottle Fill) Flushed – Fountain in hall by Rm 102 (Bottle Fill)
St. Thomas the Apostle/Valleycrest II	4513/6472	2019/06/21	0.09 ug/L 0.07 ug/L	Standing – Fountain in hall by Rm 102 (Bubbler) Flushed – Fountain in hall by Rm 102 (Bubbler)
St. Thomas the Apostle/Valleycrest II	4513/6472	2019/06/20	0.02 ug/L 0.01 ug/L	Standing – Fountain in hall by Rm 310 (Bottle Fill) Flushed – Fountain in hall by Rm 310 (Bottle Fill)
St. Thomas the Apostle/Valleycrest II	4513/6472	2019/06/21	0.03 ug/L 0.02 ug/L	Standing – Fountain in hall by Rm 102 (Bubbler) Flushed – Fountain in hall by Rm 102 (Bubbler)
St. Thomas the Apostle/Valleycrest II	4513/6472	2019/06/20	1.02 ug/L 0.41 ug/L	Standing – Left Tap in Rm 403D Flushed – Left Tap in Rm 403D
St. Thomas the Apostle/Valleycrest II	4513/6472	2019/06/21	0.45 ug/L 0.20 ug/L	Standing – Right Tap in Rm 403D Flushed – Right Tap in Rm 403D
Our Lady of Grace	3531	2019/06/12	0.90 ug/L 0.24 ug/L	Standing – Tap in room 5 Flushed – Tap in room 5
Bishop Smith CHS – Secondary Bishop Smith CHS - Elementary	3052/3065	2019/06/07	11.3 ug/L 4.54 ug/L	Standing – Spec Ed Fountain Flushed – Spec Ed Fountain

School Name	SFIS #	Collection Date	Test Results	Location Type
Bishop Smith CHS -Secondary Bishop Smith CHS—Elementary	3052/3065	2019/09/17	2.10 ug/L 0.82 ug/L	Standing –Spec Ed Fountain (Bottle fill) (Resample) Flushed—Spec Ed Fountain (Bottle Fill) (Resample)
Bishop Smith CHS—Secondary Bishop Smith CHS—Elementary	3052/3065	2019/09/19	2.30 ug/L 1.64 ug/L	Standing—Spec Ed Fountain (Bubbler fill) (Resample) Flushed—Spec Ed Fountain (Bubbler fill) (Resample)
Bishop Smith CHS – Secondary Bishop Smith CHS - Elementary	3052/3065	2019/06/07	2.68 ug/L 2.56 ug/L	Standing – Room 112 Flushed – Room 112
Bishop Smith CHS – Secondary Bishop Smith CHS - Elementary	3052/3065	2019/06/11	14.1 ug/L 5.17 ug/L	Standing – Fountain Rm 138 Flushed – Fountain Rm 138
Bishop Smith CHS—Secondary Bishop Smith CHS—Elementary	3052/3065	2019/09/17	1.89 ug/L 1.22 ug/L	Standing—Fountain in Rm 138 (Bottle fill) (Resample) Flushed—Fountain Rm 138 (Bottle fill)(Resample)
Bishop Smith CHS—Secondary Bishop Smith CHS—Elementary	3052/3065	2019/09/19	2.98 ug/L 1.19 ug/L	Standing—Fountain in Rm 138 (Bubbler fill)Resample Flushed—Fountain in Rm 138 (Bubbler fill) Resample
Bishop Smith CHS – Secondary Bishop Smith CHS - Elementary	3052/3065	2019/06/25	33.1 ug/L 6.71 ug/L	Standing – Hall Fountain by Rm 264 Flushed – Hall Fountain by Rm 264
Bishop Smith CHS—Secondary Bishop Smith CHS—Elementary	3052/3065	2019/09/17	1.87 ug/L 1.74 ug/L	Standing-Hall Fountain by Rm 264(Bottle fill)resample Flushed-Hall Fountain by Rm 264 (Bottle fill)resample
Bishop Smith CHS—Secondary Bishop Smith CHS—Elementary	3052/3065	2019/09/19	2.50 ug/L 0.81 ug/L	Standing-Hall Fountain by Rm 264(Bubbler fill)resample Flushed-Hall Fountain by Rm 264(Bubbler fill)resample
Bishop Smith CHS – Secondary Bishop Smith CHS - Elementary	3052/3065	2019/06/07	0.76 ug/L 1.56 ug/L	Standing – Tap in 101F Flushed – Tap in 101F
Bishop Smith CHS – Secondary Bishop Smith CHS - Elementary	3052/3065	2019/06/07	0.95 ug/L 1.09 ug/L	Standing – Fountain in hall by rm 169 bubbler Flushed – Fountain in hall by rm 169 bubbler
Bishop Smith CHS - Elementary	3052/3065	2019/06/11	0.65 ug/L 0.20 ug/L	Standing-Fountain in hall by rm 169 bottle fill Flushed—Fountain in hall by rm 169 bottle fill
Bishop Smith CHS - Elementary	3052/3065	2019/06/07	1.98 ug/L 2.34 ug/L	Standing—Fountain in hall by rm 107 Flushed—Fountain in hall by rm 107
Bishop Smith CHS - Elementary	3052/3065	2019/06/07	8.99 ug/L 8.44 ug/L	Standing—Fountain in hall by rm 125 Flushed—Fountain in hall by rm 125
St. Joseph's Alternate School	11079/4141	2019/06/24	2.49 ug/L 0.67 ug/L	Standing—Tap in kitchen Flushed—Tap in kitchen
St. Joseph's CHS – Secondary St. Joseph's CHS – Elementary	11079/4141	2019/06/24	0.02 ug/L 0.01 ug/L	Standing – Fountain in hall by rm 206 bottle fill Flushed – Fountain in hall by rm 206 bottle fill
St. Joseph's CHS—Secondary St. Joseph's CHS—Elementary	11079/4141	2019/06/26	0.04 ug/L 0.03 ug/L	Standing—Fountain in hall by rm 206 bubbler Flushed—Fountain in hall by rm 206 bubbler
St. Joseph's CHS – Secondary St. Joseph's CHS – Elementary	11079/4141	2019/06/24	0.10 ug/L 0.03 ug/L	Standing – Tap in rm 104 left tap Flushed – Tap in rm 104 left tap
St. Joseph's CHS – Secondary St. Joseph's CHS – Elementary	11079/4141	2019/06/26	0.19 ug/L 0.06 ug/L	Standing – Tap in rm 104 right tap Flushed – Tap in rm 104 right tap