



RENFREW COUNTY CATHOLIC DISTRICT SCHOOL BOARD

MEMORANDUM

TO: Ivan Johnson

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

DATE: July 17, 2017

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. Results indicate flushing reduces lead below the acceptable standard.

| School Name | SFIS Number | DWS Number | Collection Date | Location Type | Parameter Name | Test Results | Ontario Standard |
|-----------------------------|---------------|------------|-----------------|-------------------------------|----------------|--------------|------------------|
| St. Mary’s OLGC | 4274 | 500123722 | 2017/06/20 | Standing – Rm 143 Far Back | Lead | 24.3 | 10ug/L |
| | | | 2017/06/20 | Flushed – Rm 143 Far Back | Lead | 4.55 | |
| | | | 2017/06/23 | Standing – Rm 143 Middle Back | Lead | 16.3 | |
| | | | 2017/06/23 | Flushed – Rm 143 Middle Back | Lead | 2.66 | |
| Bishop Smith CHS | 3052/ 3065 | 500045189 | 2017/01/16 | Standing – Rm 112 | Lead | 13.4 | 10ug/L |
| | | | 2017/01/16 | Flushed – Rm 112 | Lead | 5.04 | |
| | | | 2017/03/30 | Standing – Spec. Ed. Fountain | Lead | 20.5 | |
| | | | 2017/03/30 | Flushed – Spec. Ed. Fountain | Lead | 7.48 | |

SCHOOLS TESTED

| School Name | SFIS Number | Collection Date | Test Results | Location Type |
|-------------------------|-------------|-----------------|--------------------------|---|
| St. John XXIII | 3356 | 2017/06/14 | 1.22 ug/L 0.20 ug/L | Standing – Room 129 Flushed – Room 129 |
| St. John XXIII | 3356 | 2017/06/14 | 0.22 ug/L 0.26 ug/L | Standing – Fountain by Rm 410 (Bubbler) Flushed – Fountain by Rm 410 (Bubbler) |
| St. John XXIII | 3356 | 2017/06/14 | 1.28 ug/L 2.42 ug/L | Standing – Room 109 Flushed – Room 109 |
| St. John XXIII | 3356 | 2017/06/15 | 0.10 ug/L 0.36 ug/L | Standing – Fountain by Rm 410 (Bottle Fill) Flushed – Fountain by Rm 410 (Bottle Fill) |
| St. Joseph's, Arnprior | 4085 | 2017/06/14 | 0.05 ug/L 0.04 ug/L | Standing – Fountain by Rm 44 (Bubbler) Flushed – Fountain by Rm 44 (Bubbler) |
| St. Joseph's, Arnprior | 4085 | 2017/06/14 | 0.49 ug/L 0.33 ug/L | Standing – Room 37 Left Tap Flushed – Room 37 Left Tap |
| St. Joseph's, Arnprior | 4085 | 2017/06/15 | 0.52 ug/L 0.38 ug/L | Standing – Room 37 Right Tap Flushed – Room 37 Right Tap |
| St. Joseph's, Arnprior | 4085 | 2017/06/15 | 0.04 ug/L 0.04 ug/L | Standing – Fountain by Rm 44 (Bottle Fill) Flushed – Fountain by Rm 44 (Bottle Fill) |
| St. John Bosco | 4056 | 2017/06/27 | 3.36 ug/L 1.10 ug/L | Standing – Room 24 Front Sink Flushed – Room 24 Front Sink |
| St. John Bosco | 4056 | 2017/06/27 | 0.82 ug/L 0.33 ug/L | Standing – Fountain by Gym Flushed – Fountain by Gym |
| St. John Bosco | 4056 | 2017/06/28 | 5.11 ug/L 1.41 ug/L | Standing – Room 24 Back Sink Flushed – Room 24 Back Sink |
| St. Joseph's, Calabogie | 4088 | 2017/06/14 | 3.96 ug/L 1.70 ug/L | Standing – Room 2 Flushed – Room 2 |
| St. Joseph's, Calabogie | 4088 | 2017/06/14 | <0.01 ug/L <0.01 ug/L | Standing – Fountain by Rm 18 (Bubbler) Flushed – Fountain by Rm 18 (Bubbler) |
| St. Joseph's, Calabogie | 4088 | 2017/06/15 | <0.01 ug/L <0.01 ug/L | Standing – Fountain by Rm 18 (Bottle Fill) Flushed – Fountain by Rm 18 (Bottle Fill) |
| St. Anthony's | 3767 | 2017/06/20 | 0.51 ug/L 0.64 ug/L | Standing – Room 10 Flushed – Room 10 |
| St. Anthony's | 3767 | 2017/06/20 | 7.39 ug/L 1.76 ug/L | Standing – Fountain by Rm 7 Flushed – Fountain by Rm 7 |
| George Vanier | 3604 | 2017/06/27 | 1.76 ug/L 0.66 ug/L | Standing – Room 15 Right Tap Flushed – Room 15 Right Tap |
| George Vanier | 3604 | 2017/06/28 | 2.32 ug/L 1.42 ug/L | Standing – Room 15 Left Tap Flushed – Room 15 Left Tap |
| St. Mary's OLGC | 4274 | 2017/06/20 | 24.3 ug/L 4.55 ug/L | Standing – Room 143 Far Back Flushed – Room 143 Far Back |
| St. Mary's OLGC | 4274 | 2017/06/20 | 1.61 ug/L 0.99 ug/L | Standing – Room 143 Front Flushed – Room 143 Front |
| St. Mary's OLGC | 4274 | 2017/06/20 | 0.95 ug/L 0.24 ug/L | Standing – Room 108 Fountain Flushed – Room 108 Fountain |
| St. Mary's OLGC | 4274 | 2017/06/20 | 4.21 ug/L 3.06 ug/L | Standing – Room 114 Fountain Flushed – Room 114 Fountain |
| St. Mary's OLGC | 4274 | 2017/06/21 | 6.60 ug/L 1.64 ug/L | Standing – Room 143 Front Middle Flushed – Room 143 Front Middle |
| St. Mary's OLGC | 4274 | 2017/06/22 | 1.75 ug/L 1.92 ug/L | Standing – Room 143 Middle Front Flushed – Room 143 Middle Front |
| St. Mary's OLGC | 4274 | 2017/06/23 | 16.3 ug/L 2.68 ug/L | Standing – Room 143 Middle Back Flushed – Room 143 Middle Back |
| St. Michael's | 4326 | 2017/06/21 | <0.01 ug/L 0.06 ug/L | Standing – Fountain by Rm 3 (Bubbler) Flushed – Fountain by Rm 3 (Bubbler) |
| St. Michael's | 4326 | 2017/06/21 | 0.41 ug/L 0.32 ug/L | Standing – Fountain Room 26 Flushed – Fountain Room 26 |

| School Name | SFIS Number | Collection Date | Test Results | Location Type |
|---------------------------------------|-------------|-----------------|--------------------------|---|
| St. Michael's | 4326 | 2017/06/21 | 0.15 ug/L 0.06 ug/L | Standing – Tap Room 8 Flushed – Tap Room 8 |
| St. Michael's | 4326 | 2017/06/22 | 0.01 ug/L <0.01 ug/L | Standing – Fountain by Rm 3 (Bottle Fill) Flushed – Fountain by Rm 3 (Bottle Fill) |
| St. James | 4013 | 2017/06/21 | 0.23 ug/L 0.22 ug/L | Standing – Room 13 Fountain Flushed – Room 13 Fountain |
| St. James | 4013 | 2017/06/21 | 0.48 ug/L 0.22 ug/L | Standing – Fountain by Rm 2 Flushed – Fountain by Rm 2 |
| St. Andrew's | 3715 | 2017/06/27 | <0.01 ug/L <0.01 ug/L | Standing – Fountain by Rm 15 (Bubbler) Flushed – Fountain by Rm 15 (Bubbler) |
| St. Andrew's | 3715 | 2017/06/27 | 2.49 ug/L 2.38 ug/L | Standing – Room 14 Flushed – Room 14 |
| St. Andrew's | 3715 | 2017/06/28 | 0.02 ug/L <0.01 ug/L | Standing – Fountain by Rm 15 (Bottle Fill) Flushed – Fountain by Rm 15 (Bottle Fill) |
| St. Francis of Assisi | 17382 | 2017/06/22 | 0.08 ug/L 0.06 ug/L | Standing – Room 109 Gym Side Flushed – Room 109 Gym Side |
| St. Francis of Assisi | 17382 | 2017/06/23 | 0.23 ug/L 0.07 ug/L | Standing – Room 109 Hall Side Flushed – Room 109 Hall Side |
| Cathedral | 3116 | 2017/06/15 | 0.04 ug/L 0.06 ug/L | Standing – Fountain by Rm 107 Flushed – Fountain by Rm 107 |
| Cathedral | 3116 | 2017/06/15 | 0.35 ug/L 0.21 ug/L | Standing – Room 104 Flushed – Room 104 |
| Cathedral | 3116 | 2017/06/16 | 0.58 ug/L 0.32 ug/L | Standing – Fountain by Rm 114 Flushed – Fountain by Rm 114 |
| Holy Name/Valleycrest I | 3298/2693 | 2017/06/26 | 0.37 ug/L 0.76 ug/L | Standing – Room 1 Flushed – Room 1 |
| Holy Name/Valleycrest I | 3298/2693 | 2017/06/26 | 0.48 ug/L 1.12 ug/L | Standing – Fountain by Rm 1 Flushed – Fountain by Rm 1 |
| Holy Name/Valleycrest I | 3298/2693 | 2017/06/26 | 3.94 ug/L 1.41 ug/L | Standing – Fountain by Rm 7 Flushed – Fountain by Rm 7 |
| Our Lady of Lourdes | 3543 | 2017/06/15 | 0.29 ug/L 0.13 ug/L | Standing – Fountain by Rm 6 (Bubbler) Flushed – Fountain by Rm 6 (Bubbler) |
| Our Lady of Lourdes | 3543 | 2017/06/15 | 0.31 ug/L 0.15 ug/L | Standing – Fountain by Rm 20 Flushed – Fountain by Rm 20 |
| Our Lady of Lourdes | 3543 | 2017/06/16 | 0.39 ug/L 0.11 ug/L | Standing – Fountain by Rm 6 (Bottle Fill) Flushed – Fountain by Rm 6 (Bottle Fill) |
| Our Lady of Sorrows | 10762 | 2017/06/22 | 0.03 ug/L 0.02 ug/L | Standing – Fountain 2 Left Side (Bubbler) Flushed – Fountain 2 Left Side (Bubbler) |
| Our Lady of Sorrows | 10762 | 2017/06/22 | 0.19 ug/L 0.12 ug/L | Standing – Room 5 Flushed – Room 5 |
| Our Lady of Sorrows | 10762 | 2017/06/23 | 0.03 ug/L 0.01 ug/L | Standing – Fountain 2 Left Side (Bottle Fill) Flushed – Fountain 2 Left Side (Bottle Fill) |
| Our Lady of Fatima | 3505 | 2017/06/19 | 0.12 ug/L 0.11 ug/L | Standing – Left Fountain by Rm 3 Flushed – Left Fountain by Rm 3 |
| Our Lady of Fatima | 3505 | 2017/06/19 | 6.75 ug/L 9.00 ug/L | Standing – Fountain by Rm 23 Flushed – Fountain by Rm 23 |
| Our Lady of Fatima | 3505 | 2017/06/19 | 0.66 ug/L 0.39 ug/L | Standing – Left Fountain by Rm 7 Flushed – Left Fountain by Rm 7 |
| St. Thomas the Apostle/Valleycrest II | 4513/6472 | 2017/06/19 | 0.49 ug/L 0.32 ug/L | Standing – Fountain in Rm 404 Flushed – Fountain in Rm 404 |
| St. Thomas the Apostle/Valleycrest II | 4513/6472 | 2017/06/19 | 1.00 ug/L 0.54 ug/L | Standing – Fountain by Rm 410 Flushed – Fountain by Rm 410 |
| St. Thomas the Apostle/Valleycrest II | 4513/6472 | 2017/06/19 | 0.41 ug/L 0.23 ug/L | Standing – Rm 100 Left Side Flushed – Rm 100 Left Side |
| St. Thomas the Apostle/Valleycrest II | 4513/6472 | 2017/06/20 | 1.12 ug/L 0.39 ug/L | Standing – Rm 100 Right Side Flushed – Rm 100 Right Side |

| School Name | SFIS Number | Collection Date | Test Results | Location Type |
|---|-------------|--------------------------|------------------------|---|
| Our Lady of Grace | 3531 | 2017/06/23 | 0.93 ug/L 0.65 ug/L | Standing – Room 5 Tap Flushed – Room 5 Tap |
| Bishop Smith CHS – Secondary Bishop Smith CHS - Elementary | 3052/3065 | 2017/01/16 | 13.4 ug/L 5.04 ug/L | Standing – Room 112 Flushed – Room 112 |
| Bishop Smith CHS – Secondary Bishop Smith CHS – Elementary | 3052/3065 | 2017/01/16 | 5.73 ug/L 3.64 ug/L | Standing – Room 114 Flushed – Room 114 |
| Bishop Smith CHS – Secondary Bishop Smith CHS – Elementary | 3052/3065 | 2017/03/30 | 4.54 ug/L 0.62 ug/L | Standing – Tech. Wing Fountain Flushed – Tech Wing Fountain |
| Bishop Smith CHS – Secondary Bishop Smith CHS – Elementary | 3052/3065 | 2017/03/30 | 0.49 ug/L 0.48 ug/L | Standing – Room 141 Flushed – Room 141 |
| Bishop Smith CHS – Secondary Bishop Smith CHS – Elementary | 3052/3065 | 2017/03/30 | 1.23 ug/L 2.15 ug/L | Standing – Cafeteria Flushed – Cafeteria |
| Bishop Smith CHS – Secondary Bishop Smith CHS – Elementary | 3052/3065 | 2017/03/30 2017/04/07 | 2.61 ug/L 1.49 ug/L | Standing – Grade 8 Wing Fountain Flushed – Grade 8 Wing Fountain |
| Bishop Smith CHS – Secondary Bishop Smith CHS – Elementary | 3052/3065 | 2017/03/30 | 20.5 ug/L 7.48 ug/L | Standing – Spec. Ed. Fountain Flushed – Spec. Ed. Fountain |
| Bishop Smith CHS – Secondary Bishop Smith CHS – Elementary | 3052/3065 | 2017/01/16 | 0.57 ug/L 0.55 ug/L | Standing – Room 124 Flushed – Room 124 |
| Bishop Smith CHS – Secondary Bishop Smith CHS – Elementary | 3052/3065 | 2017/01/16 | 7.45 ug/L 1.30 ug/L | Standing – Room 126 Flushed – Room 126 |
| St. Joseph's CHS – Secondary St. Joseph's CHS – Elementary | 11079/4141 | 2017/06/19 | 0.32 ug/L 0.10 ug/L | Standing – Room 111 Prep Tap Flushed – Room 111 Prep Tap |
| St. Joseph's CHS – Secondary St. Joseph's CHS – Elementary | 11079/4141 | 2017/06/19 | 0.21 ug/L 0.10 ug/L | Standing – Fountain by Room 122 Flushed – Fountain by Room 122 |
| St. Joseph's CHS – Secondary St. Joseph's CHS – Elementary | 11079/4141 | 2017/06/19 | 0.42 ug/L 0.28 ug/L | Standing – Room 111 Front Tap Flushed – Room 111 Front Tap |
| St. Joseph's CHS – Secondary St. Joseph's CHS – Elementary | 11079/4141 | 2017/06/19 | 0.16 ug/L 0.09 ug/L | Standing – Fountain by Room 322 Flushed – Fountain by Room 322 |
| St. Joseph's Alternate School | 6298 | 2017/06/28 | 1.77 ug/L 0.77 ug/L | Standing – Kitchen Tap Flushed – Kitchen Tap |