

**AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL**

 NUMBER 1824-9PBJEX  
 Issue Date: November 5, 2014

 Maple Leaf Acres Tenants Association  
 Rural Route, No. 4  
 Fergus, Ontario. N1M 2W5

 Site Location: Maple Leaf Acres Trailer & Mobile Home Park  
 6478 Fifth Line, Township of Centre Wellington,  
 County of Wellington. N1M 2W5

*You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:*

Modification and re-rating of an existing on-site sewage systems for collection, transmission, treatment and disposal of domestic sewage with a proposed effluent disinfection system to service a total 523 sites (518 trailers sites and mobile homes and 5 other associated facilities) of the Maple Leaf Acres residential trailer park, located at the above site location, designed for a maximum annual average flow of 132 cubic meters per day consisting of the following:

**Proposed Change in Design Flow:**

Design Flow: Average Annual Day Flow (Q) = 132 cubic meters per day based on actual average annual wastewater flows operated during the last 5 years for total 523 sites as described below:

<b>Details of Trailer Sites and Other facility</b>				
<b>Phase</b>	<b>No. of Seasonal Sites(Occupied for 6 months)</b>	<b>No. of Seasonal Sites(Occupied for 9 months)</b>	<b>No. of Year Round Sites</b>	<b>Total Sites</b>
Phase I	106			106
Phase II	206			206
Phase III	2	5	166	173
Mobile Homes			33	33
Halls	-	-	2	2
Shop	1	-	-	1
House	1	-	-	1
Store	1			1
<b>Total</b>	<b>317(314+3)</b>	<b>5</b>	<b>201(199+2)</b>	<b>523(518+5)</b>

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## **Proposed Work:**

### **Effluent Disinfection System**

- installation of new forcemain piping onto the existing 150 millimetre diameter forcemain between the existing irrigation pumping station and the flow meter chamber, and a new above ground structure to house the sodium hypochlorite dosing system consisting of a 200 L sodium hypochlorite solution storage tank equipped with an emergency spill containment and two (2) sodium hypochlorite solution metering pumps (one on stand-by) each rated at a maximum capacity of approximately 2.6 to 10.5 litre/hour, for chlorine dosing approximately 12% sodium hypochlorite solution together with all internal station piping, fittings, valves, couplings, sampling taps, heating, ventilating, electrical and control systems, piping and connections to a 600 millimetre diameter chlorine contact main, 70 meters long with flushing port, providing a total volume of 22.4 cubic meter and a total chlorine contact detention time of 15 minutes.

- all other controls, electrical equipment, instrumentation, piping, pumps, valves and appurtenances essential for the proper operation of the aforementioned sewage works.

all in accordance with the submitted supporting documents listed in Schedule A.

**Previous Works:** Approved vide C of A # 3570-4K6QGT issued on date July 20, 2000, Notice 2 issued on date November 21, 2008, Notice 3 issued on date April 03, 2009, and Notice 4 issued on date September 8, 2009 described as follows:

Maple Leaf Acres Tenants Association (MLA) Sewage Works consist of a sewage treatment system and an effluent disposal system which include: the main pumping station a facultative lagoon, an irrigation pumping station, flow metering facilities and an effluent-spray irrigation system. A subsurface disposal system is available for emergency discharge.

### **Main Pumping Station (MPS)**

- One 2.4 m diameter precast concrete submersible pumping station; equipped with two (2) submersible pumps each rated at 20.2 L/s at 7.1 m TDH, discharging to a two-cell facultative sewage lagoon through 700 meters long, 150 mm diameter forcemain.

- Two (2), magnetic flow meters are installed on the MPS forcemain and irrigation discharge lines to monitor and record daily flows; Two (2) valves allow either one or both cells of the lagoon to be filled.

### **Two-Cell Facultative Lagoon**

- A two (2) cell waste stabilization pond, interconnected by a flexible pipe inlet and float arrangement to allow withdrawal from Cell #1 at variable depths; Each cell has a surface area of 1.05 hectares at mid operating depth, with 1.5 m operating water depth, plus 0.6 m free board and 0.3 metres sludge storage depth. Each cell provides a nominal operating volume of 15,400 m<sup>3</sup>. Top berm is approximately 3 m wide with 4:1 (horizontal: vertical) inside berm slope and 3:1 (horizontal : vertical) outside berm slope. Berms are complete with two (2) inlet structures. An

outlet pipe with an intake collar connects to an irrigation pumping station. Two cells are connected by a 200 mm transfer pipes. A lagoon aeration system is installed in Cell #1 (north cell) consisting of six (6) windmills, 6.1 m (20 ft) in height, with 1.8 m (70 in) upwind turbines are capable of producing 0.04 m<sup>3</sup>/min (1.5 cfm) of air at 15 km/hr wind-speed. Three (3) electric air compressors provide an approximate combined total flow of 0.4 m<sup>3</sup>/min (14.7 cfm) of air to thirty (30) fine bubble air diffusers, via 200 m of 13 mm diameter air distribution tubing; a 2.5 m x 3.6 m metal-sided storage container houses the compressors and associated electrical power supply.

#### **Irrigation Pumping Station (IPS)**

- One (1) 1.8 m diameter x 6.2 m deep, below grade, sewage pumping station located on the berm of the facultative lagoon. Equipped with two (2) submersible pumps rated at 24.9 L/s at 63.6 m TDH for discharge to the effluent irrigation system through a 50 mm diameter forcemain complete with a magnetic flow meter, level controls, an air purge connection, safety-platform, vent pipe and associated appurtenances; also equipped with a sump pump rated at approximately 2.27 L/s for discharge to sub-surface sewage disposal beds.

#### **Effluent Spray Irrigation**

- An effluent spray irrigation system consisting of three (3) spray areas 2 hectares, 3.4 hectares, and 3.4 hectares, totaling 8.8 hectares, located on the northern side of the facultative lagoon, complete with an effluent discharge network consisting of approximately 150 spray nozzles including low trajectory nozzles (for the periphery of the spray areas), spray irrigation control system and associated appurtenances.

#### **Sewage Disposal Bed for emergency discharge**

- One (1) leaching bed, located in the southern portion of the irrigation field, with overall dimensions of 178 metres x 68 metres, with two (2) cells each having 48 runs of 21 metre long distribution piping installed in a imported fill mantle, including a distribution box serving each cell.

#### **Previous Works (House, Shop and Hall):**

- A Class 4 subsurface sewage system serving the house, shop and hall, consisting of a 5400 L septic tank and a disposal field with approximately 152 m of tile.”

- All other controls, electrical equipment, instrumentation, piping, pumps, valves and appurtenances essential for the proper operation of the aforementioned sewage work;

*For the purpose of this environmental compliance approval, the following definitions apply:*

"Act" means the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, as amend

"Approval" means this entire document and any schedules attached to it, and the application;

"Annual Average Daily Flow" means the cumulative total sewage flow to the sewage works during a particular calendar year divided by the number of days during which sewage was flowing to the sewage works that year;

"Average Effluent Application Rate" means the total volume of effluent applied to a spray irrigation field during a particular spray irrigation season divided by the number of days within that season during which effluent was actually applied to that field;

"Annual Average Concentration" means the arithmetic mean of all monthly concentration of a contaminant in the lagoon effluent calculated for any particular spray irrigation season;

"CBOD5" means five day carbonaceous (nitrification inhibited) biochemical oxygen demand measured in an unfiltered sample;

"Director" means a person appointed by the Minister pursuant to section 5 of the Environment Protection Act (EPA) for the purposes of Part II.1 of the EPA;

"District Manager" means the District Manager of the Guelph District Office of the Ministry;

"EPA" means *the Environmental Protection Act*, R.S.O. 1990, c.E.19, as amended;

"E.Coli" refers to the thermally tolerant forms of Escherichia that can survive at 44.5 degrees Celsius;

"Emergency Situation" includes a structural, mechanical or electrical failure that causes a temporary reduction in the capacity of the Sewage Treatment System and an unforeseen flow condition that may result in:

- a) danger to the health or safety of any person; or,
- b) injury or damage to any property, or serious risk of injury or damage to any property.

"Geometric Mean Density" is the nth root of the product of multiplication of the result of n number of samples over the period specified.

"Grab Sample" means an individual sample of at least 1000 millilitres collected in an appropriate container at a randomly selected time over a period of time not exceeding 15 minutes;

"Ministry" means the ministry of the government of Ontario responsible for the (EPA) and OWRA and includes all officials, employees or other persons acting on its behalf;

"Regional Director" means the Regional Director of the West Central Region of the Ministry;

"Owner" means Maple Leaf Acres Tenants Association; and includes its successors and assignees;

"OWRA" means *the Ontario Water Resources Act*, R.S.O. 1990, c. O.40, as amended;

"Previous Works" means those portions of the sewage works previously constructed and approved under an Approval;

"Proposed Works" means the sewage works described in the Owner's application, this Approval, to the extent approved by this Approval;

"Sewage Treatment Plant" means the entire sewage treatment system, including the effluent disposal facilities;

"Spray Irrigation Season" means the period of time starting on the first and ending on the last day of application of effluent to the spray irrigation fields during a particular calendar year;

"Works" means the sewage works described in the Owner's application, and this Approval, and includes both Proposed Works and Previous Works.

*You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:*

## **TERMS AND CONDITIONS**

### **1. GENERAL PROVISIONS**

(1) The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Works is notified of this Approval and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

(2) Except as otherwise provided by these conditions, the Owner shall design, build, install, operate and maintain the Works in accordance with the description given in this Approval, and the application for approval of the Works.

(3) Where there is a conflict between a provision of any document in the schedule referred to in this Approval and the conditions of this Approval, the Conditions in this Approval shall take precedence, and where there is a conflict between the documents in the schedule, the document bearing the most recent date shall prevail.

(4) Where there is a conflict between the documents listed in the Schedule submitted documents, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.

(5) The Conditions of this Approval are severable. If any Condition of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such condition to other circumstances and the remainder of this Approval shall not be affected thereby.

2. EXPIRY OF APPROVAL

The approval issued by this Approval will cease to apply to those parts of the Works, which have not been constructed within one (1) years of the date of this Approval.

3. CHANGE OF OWNER

(1) The Owner shall notify the Director, in writing, of any of the following changes within thirty (30) days of the change occurring:

(a) change of Owner;

(b) change of address of the Owner;

(c) change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c.B17 shall be included in the notification to the Water Supervisor;

(d) change of name of the corporation where the Owner is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C39 shall be included in the notification to the Water Supervisor;

(2) In the event of any change in ownership of the Works, other than a change to a successor municipality, the Owner shall notify in writing the succeeding owner of the existence of this Approval, and a copy of such notice shall be forwarded to the Director.

4. AS-CONSTRUCTED DRAWINGS

(1) A set of as-built drawings showing the existing and proposed works “as constructed” shall be prepared. These drawings shall be kept up to date through revisions undertaken from time to time and a copy shall be retained at the Works for the operational life of the Works.

(2) Upon the Substantial Completion of the proposed Works, the Owner shall prepare a statement, certified by a Professional Engineer, that the works are constructed in accordance with this Approval, and upon request, shall make the written statement available for inspection by Ministry personnel.

5. PERFORMANCE

(1) The Owner shall ensure that the annual average daily flow of sewage into the sewage treatment plant does not exceed 132 cubic meters per day.

(2) The Owner shall use best effort to design, construct and operate the works with the object that the average concentration of the materials named below as effluent parameters are not exceeded in the effluent from the facultative lagoon before spraying:

Effluent Parameters	Objective Concentration in Effluent	Non Compliance Concentration in final Effluent
CBOD <sub>5</sub>	25 mg/L	40 mg/L
Suspended Solids	25 mg/L	40 mg/L
Total Phosphorus	3 mg/L	3.5 mg/L
TKN	7 mg/L	7.5 mg/L

(3) For the purpose of determining compliance with and enforcing Condition No. 5.2, noncompliance with respect to concentration of CBOD<sub>5</sub>, Suspended Solids, Total Phosphorus, TKN in the effluent is deemed to have occurred when the annual average concentration of the parameter, as defined in the Approval, based on all monthly samples taken in accordance with Condition No. 6.1, supplemented by spot sampling by the Ministry's staff as necessary, during any calendar year, exceeds its corresponding noncompliance concentration in final effluent specified above in Condition No. 5.2.

(4) The owner shall ensure that the effluent spray irrigation system is operated in such a manner that the average rate of effluent application to any of the approved spray irrigation field does not exceed an acceptable determined rate or whichever is less.

(5) The Owner shall ensure that the effluent spray irrigation system is operated in a manner such that there is no overland run-off of sprayed effluent and sprayed effluent is not applied on frozen ground or between October 31st and April 1st of any calendar year.

(6) The Owner shall ensure that the effluent spray irrigation system is operated in a manner that precludes the sprayed effluent ponding, to the extent that it causes run-off, and aerosol drift beyond the limits of the approved spray irrigation fields at all times.

(7) Any diversion of sewage from any portion of the sewage works is prohibited, except where it is unavoidable in preventing loss of life, danger to public health, personal injury or severe property damage.

(8) The Owner shall only use the Sewage Disposal Beds as a secondary means of effluent disposal in the event of:

(a) excessive accumulation of effluent in the lagoon prior to the permitted spray irrigation application period, or

(b) premature ending of seasonal spray irrigation operations due to poor weather conditions, or

(c) as permitted by the District Manager in writing;

provided that the maximum daily volume of effluent applied to the beds does not exceed 60,000 litres per day.

6. MONITORING AND RECORDING

(1) The Owner shall ensure that the following monitoring program is carried out upon commencement of operation of the works:

- (a) Daily quantities of sewage being conveyed to the sewage treatment plant and the lagoon effluent being disposed of by spray irrigation onto individual spray irrigation fields shall be measured or estimated, and recorded.
- (b) Samples of raw sewage, lagoon effluent ahead of the spray irrigation system, groundwater in monitoring wells within and around the spray irrigation fields, and surface water shall be collected at locations satisfactory to the Regional Director and analyzed for at least the following parameters at the indicated **minimum** frequencies:

<u>Raw Sewage Parameter (Lagoon)</u>	<u>Type of Sample</u>	<u>Minimum Frequency</u>
CBOD <sub>5</sub>	grab	monthly
Suspended Solids	grab	monthly
Total Phosphorus	grab	monthly
TKN	grab	monthly

<u>Final Effluent Parameter</u>	<u>Type of Sample</u>	<u>Minimum Frequency</u>
CBOD <sub>5</sub>	grab	monthly*
Suspended Solids	grab	monthly*
Total Phosphorus	grab	monthly*
Total Kjeldahl Nitrogen	grab	monthly*
(Ammonia + Ammonium)	grab	monthly*
Nitrogen	grab	monthly*
E.Coli		
Chloride	grab	monthly*

\* The monthly sampling of the lagoon effluent shall take place during each spray irrigation season between May to September.



<u>Groundwater Parameter</u>	<u>Type of Sample</u>	<u>Minimum Frequency</u>
Total Phosphorus	grab	3 per season**
Nitrates	grab	3 per season**
Nitrites	grab	3 per season**
Chlorides	grab	3 per season**
Conductivity	grab	3 per season**
pH	grab	3 per season**
Temperature	grab	3 per season**

\*\* The groundwater sampling shall take place prior to, in the middle, and after each spray irrigation season.

<u>Surface Water Parameter</u>	<u>Type of Sample</u>	<u>Minimum Frequency</u>
CBOD <sub>5</sub>	grab	3 per season***
Suspended Solids	grab	3 per season***
Total Phosphorus	grab	3 per season***
Total Kjeldahl Nitrogen(TKN)	grab	3 per season***
(Ammonia + Ammonium) Nitrogen	grab	3 per season***
Nitrates	grab	3 per season***
Nitrites	grab	3 per season***
pH	grab	3 per season***
Temperature	grab	3 per season***
Chlorides	grab	3 per season***

\*\*\* The surface water sampling shall take place prior to, in the middle, and after each spray irrigation season.

- (c) The sampling and analyses required by clause (b) above shall be performed in accordance with the Ministry's Procedure F-10-1 (formerly Policy No. 08-06); "Procedure for Sampling and Analysis Requirements for Municipal and Private Sewage Treatment Works (Liquid Waste Streams Only)", Ministry of Environment and Energy, December 31, 1994; or as described in "Standard Methods for Examination of Water and Wastewater", 20th Edition, 1998, or a more recently published edition.
- (2) The Owner shall retain for a minimum of three years from the date of their creation, all records and information related to or resulting from the monitoring activities required by this certificate.
- (3) Following review of any of the analytical results required by Condition 6.1 or any of the reports required by Condition 8.1 of this Approval, the District Manager may alter the frequencies and locations of sampling and parameters for analysis required by Condition 6.1 if he/she considers it necessary for proper assessment of the operation of the sewage treatment plant and its impact on the environment or if he/she is requested to do so by the Owner and considers it acceptable by the evidence of information submitted in support of the request.

## 7. OPERATION AND MAINTENANCE

(1) The Owner should ensure that the application of effluent to individual irrigation sites within the approved spray irrigation fields and rotation of the irrigation sites is carried out in a manner that maximizes evapotranspiration and allows the soil to dry out periodically.

(2) The Owner should ensure that whenever ponding exists and run-off of sprayed effluent is probable, the application of effluent to the affected area of the spray irrigation field is immediately terminated, and adequate time is allowed before resumption of the application of effluent to that area for the area to dry to a degree that would preclude immediate recurrence of ponding or run-off.

(3) The Owner should ensure that no effluent application to the spray irrigation fields takes place during rainfall, when the ground is saturated, and when the wind velocity exceeds 15 km/hr.

(4) The Owner shall provide and maintain:

- a) permanent fences around the sewage lagoon and entire spray irrigation fields, and
- b) suitably posted signs at all points of access to all spray irrigation fields, indicating that treated sewage effluent is being used to irrigate the field and that trespassing is prohibited.

(5) Based on the performance requirements and operational objectives stipulated above in Conditions 5.1 through 5.8 and 7.1 through 7.3, the Owner shall prepare an operations manual within six (6) months of commissioning of the sewage works and keep it up to date. Upon request, the Owner shall make the manual available for inspection by the Ministry personnel and furnish a copy to the Ministry.

(6) Within one (1) year of substantial completion of the sewage works, the Owner shall prepare a set of record drawings which shall show the sewage works as constructed at that time, and keep the drawings up-to-date, incorporating all modifications made to the works throughout its operational life.

(7) The Owner shall keep a complete set of the up-to-date record drawings required to be prepared by Condition 7.6 at the site of the sewage works throughout the operational life of the sewage works, and upon request, shall make the drawings available for inspection by Ministry staff.

(8) In order to prevent or minimize any unacceptable liquid discharges and gas and odour emissions into the natural environment, the Owner shall ensure that contingency plans and procedures are established and adequate equipment and material are available for dealing with: emergency and upset conditions including equipment breakdowns at the sewage works, flooding, overflows of raw and partly treated sewage and spills of sludge into or out of the sewage works. The Owner shall establish notification procedures to be used to contact the District Manager and

other relevant authorities in the case of an emergency situation and upset conditions.

(9) The Owner shall establish procedures for receiving and responding to complaints including a reporting system which records what steps were taken to determine the cause of complaint and the corrective measures taken to alleviate the cause and prevent its reoccurrence.

(10) The Owner shall provide for the overall operation of the sewage treatment plant with an operator who holds a licence that is applicable to that type of facility and that is of the same class as or higher than the class of the facility in accordance with Ontario Regulation 435/93.

## 8. REPORTING

(1) The Owner shall report the District Manager and the Grand River Conservation Authority any concentration or other result that exceeds an effluent limit specified in Condition 5.1 through 5.7 orally, as soon as is reasonably possible, and in writing within seven (7) days of exceedance.

(2) The Owner shall prepare, and upon request, submit to the District Manager annual performance reports for the sewage treatment plant. The first such report shall cover the period from the commencement of operation of the sewage works to the end of the calendar year and shall be prepared within the following ninety (90) calendar days. Each subsequent annual report shall be prepared within ninety (90) calendar days following the completion of the calendar year being reported upon. The reports shall contain the following information in a format acceptable to the District Manager:

- (a) a summary of all monitoring data, including an overview of the success and adequacy of the sewage treatment program;
- (b) a tabulation of all monitoring and analytical results obtained during the reporting period, including sampling/monitoring location and date;
- (c) a record of the operation of the spray irrigation system, including dates and hours of operation, irrigation areas utilized, rates of effluent application, and volumes of effluent applied;
- (d) an account of any environmental and operating problems encountered at the site and the mitigative measures taken during the reporting period.

## 9. FINANCIAL ASSURANCE

(1) Within thirty (30) days of issuance of this Approval the Owner shall submit to the Director, Financial Assurance, as defined in Section 131 of the Act, for the amount of \$335,000 (three hundred thirty five thousand dollars). This Financial Assurance shall be in a form acceptable to the Director and shall provide sufficient funds for the compliance with and performance of any action specified in this Approval including the analysis, transportation, site clean-up, monitoring and any incurred or potential expenditure by the

Ministry to carry out any environmental measure, including any obligation of the Owner in connection with the Works which is imposed by (i) any other provision of this Approval, (ii) any order of the Director or Regional Director; or (iii) the EPA or OWRA or any regulations made thereunder.

(2) Before October 01, 2015, the Owner shall submit to the Director, Municipal Responsibility Agreement (MRA) with the Township of Centre Wellington and, shall submit a copy for the Director's review and acceptance.

(3) The amount of Financial Assurance (FA) is subject to review at any time by the Director and may be amended at his/her discretion. If any Financial Assurance is scheduled to expire or notice is received, indicating Financial Assurance will not be renewed, and satisfactory methods have not been made to replace the Financial Assurance at least sixty (60) days before the Financial Assurance terminates, the Financial Assurance shall forthwith be replaced by cash.

(4) The approval issued by this Approval expires after one year of the Approval date, unless a MRA is provided to the MOECC. If MRA is not submitted within one (1) year, than Maple Leaf Acres Tenants Association has to apply for amendment of ECA before expiry period of ECA, for FA Re-evaluation, with the reason that why MRA is not executed with Township.

#### 10. RESPONSIBILITY AGREEMENT

(1) The Owner shall enter into a duly signed Responsibility Agreement with the Township of Centre Wellington within one (1) year of this Approval. If Owner failed to execute the responsibility agreement with the Township of Centre Wellington within one (1) year of this Approval, than Owner has to apply for new amendment of ECA.

(2) Any dealings with the property are prohibited in any way without first giving a copy of this Approval and the Responsibility Agreement to each person acquiring an interest in the property.

(3) In the event that a municipality or other public authority with the power to provide sewage service to the users of the Works, determines to do so directly, pursuant to the Responsibility Agreement or otherwise, or is required, by the Medical Officer of Health or the Director, to do so, the Owner shall, without compensation, transfer to the Township of Centre Wellington, such parts of the Works and any related interests in land required for the Works as are determined by the municipality.

(4) The Owner shall submit a copy of the registered Certificate of Requirement to the District Manager.

## Schedule A

Environmental Compliance Approval (ECA) supporting documents:

1. Environmental Compliance Approval Application for Private Sewage Works dated February 1, 2014 and received on March 11, 2014 submitted by Al Dias Secretary/Treasurer, Maple Leaf Acres (MLA) Tenants Association and Stephen D Burns, P. Eng., of B.M. ROSS AND ASSOCIATES LIMITED, Goderich, Ontario;
2. A report entitled "MAPLE LEAF ACRES SEWAGE WORK Design Brief and Notes" with supporting documents, dated February 14, 2014 and prepared by B.M. ROSS AND ASSOCIATES LIMITED and signed by Stephen D Burns, P. Eng., dated March 10, 2014;
3. A set of engineering drawings ( G1 and M1) entitled "Wastewater Treatment Upgrades for MLA" and Figure No. 1.1 and 2.2 prepared by B.M. ROSS AND ASSOCIATES LIMITED and signed by Stephen D Burns, P. Eng., and R.P.DEVRIES dated February 14, 2014;
4. An electronic mail (with attachments) dated April 24, 2014, May 20, 2014 and June 09, 2014, August 13, 2014, and September 12 and 23 2014, and October 3, 14, 16, 24 and 28, 2014 from Stephen D Burns, P. Eng., of B.M. ROSS AND ASSOCIATES LIMITED;
5. An electronic mail to Andy Goldie, Chief Administrative Officer, Township of Centre Wellington dated August 14, 2014 and electronic mail from Colin Baker, P.Eng. Managing Director of Infrastructure, Township of Centre Wellington, 7444 Wellington Road 21, Elora, ON N0B 1S0 dated August 14, 2014.

### *Previously Submitted Documents:*

**With the Certificate of Approval # 3570-4K6QGT issued on July 20, 2000 as follows:**

1. Application dated April 3rd 2000,
2. Reports entitled "Maple Leaf Acres Sewage Works Upgrading Design Brief" dated March 2000, "Township of Centre Wellington Maple Leaf Acres Sewage Works Upgrading Environmental Study Report Volume 1 of 2" dated November 1999,
3. Township of Centre Wellington Maple Leaf Acres Sewage Works Upgrading Environmental Study Report Volume 2 of 2" dated November 1999 and
4. Engineering drawings all prepared by C.C. Tatham and Associates Limited Consulting Engineers.

**With the Notice No 2 issued on December 15, 2008 as follows:**

1. The application for approval dated August 19, 2008 and supporting information and documentation prepared by B.M. Ross and Associates Ltd.

**With the Notice No 3 issued on April 3, 2009 as follows:**

1. Application for Approval of Municipal and Private Sewage Works submitted by Arch Hollett of Maple Leaf Acres Tenants Association dated August 19, 2008 and attachments;
2. Letter and attachments dated November 5, 2008 from S.D. Burns of B.M Ross and Associates Limited to Michael Hindricks of the Ministry of the Environment;
3. Letter dated December 3, 2008 from S.D. Burns of B.M Ross and Associates Limited to Zarko Tesic of the Ministry of the Environment;
4. Application for Approval of Municipal and Private Sewage Works submitted by James Magee of Maple Leaf Acres Tenants Association dated March 25, 2000;
5. Maple Leaf Acres Sewage Works Upgrading Design Brief, dated March 2000, prepared by C.C. Tatham and Associates Limited Consulting Engineers;
6. Township of Centre Wellington Maple Leaf Acres Sewage Works Upgrading Environmental Study Report, Volumes 1 and 2, dated November 1999, prepared by C.C. Tatham and Associates Limited Consulting Engineers; and
7. Engineering drawings prepared by C.C. Tatham and Associates Limited Consulting Engineers.

**With the Notice No 4 issued on September 8, 2009 as follows:**

1. Application for Approval of Municipal and Private Sewage Works submitted by Bill Hornby of Maple Leaf Acres Tenants Association dated June 11, 2009 ;
2. Letter and attachments dated June 22, 2009 from Sally McLeod, P. Eng. of B.M. Ross and Associates Limited to the Application Processor of the Ministry of the Environment;
3. Letter and attachments dated August 7, 2009 from Stephen Burns, P. Eng. of B.M. Ross and Associates Limited to Randy Chin of the Ministry of the Environment; and
4. Letter and attachments dated August 19, 1993 from Byron England of England Naylor Engineering Ltd. to Maple Leaf Tenants Association

*The reasons for the imposition of these terms and conditions are as follows:*

1. Condition 1 is imposed to ensure that the Works are built and operated in the manner in which they were described for review and upon which approval was granted. This condition is also included to emphasize the precedence of Conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review. The condition also advises the Owners their responsibility to notify any person they authorized to carry out work pursuant to this Approval the existence of this Approval.
2. Condition 2 is included to ensure that, when the Works are constructed, the Works will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.
3. Condition 3 is included to ensure that the Ministry records are kept accurate and current with respect to the approved works and to ensure that subsequent owners of the Works are made aware of the Approval and continue to operate the Works in compliance with it.
4. Condition 4 is included to ensure that the Works are constructed in accordance with the approval and that record drawings of the existing and proposed Works “as constructed” are maintained for future references.
5. Conditions 5.1 through 5.8 are included to ensure that the flow of sewage to the treatment plant, and the times, manner and rates of effluent application to the spray irrigation fields are within the approved treatment capacity of the works.

Condition 5.5 is being amended to allow for a greater degree of flexibility in when spray irrigation operations can take place while still being protective of the environment.

Condition 5.8 is included to reflect the fact that use of the tile beds is a contingency measure in the event that disposal via spray irrigation is not possible.

6. Conditions 6.1 through 6.2 relating to monitoring and recording the quality and quantity of the effluent from the sewage treatment plant on a continual basis are required to enable the Owner to evaluate the performance of the works and to ensure that it is operated and maintained at a level which is consistent with the design objectives and other requirements of this certificate.
7. Conditions 7.1 through 7.10 are included to ensure that the works will be operated, maintained, funded, staffed and equipped in a manner enabling compliance with the terms and conditions of this certificate, such that the environment is protected and deterioration, loss, injury or damage to any person or property is prevented.
8. Conditions 8.1 through 8.3 are included to ensure that all pertinent information is available for the evaluation of the performance of the sewage works.

9. Condition 9 is included to ensure that the owner provides financial assurance on a timely basis, in an amount adequate to cover the capital and operating costs of the environmental measures for which it is provided and is in a form readily utilizable by Ministry personnel.
10. Condition 10 is included to ensure that there is a Responsibility Agreement in place between the Owner and the Municipality prior to operation of the Works next year, so that in the event that the Owner is unable to continue to provide sewage service, the Municipality may be able to assume ownership and operation of the Works.

**Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 3570-4K6QGT issued on July 20, 2000.**

*In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:*

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

*Pursuant to subsection 139(3) of the Environmental Protection Act, a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.*

*The Notice should also include:*

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in.

*And the Notice should be signed and dated by the appellant.*

*This Notice must be served upon:*

The Secretary\*  
Environmental Review Tribunal  
655 Bay Street, Suite 1500  
Toronto, Ontario  
M5G 1E5

AND

The Director appointed for the purposes of  
Part II.1 of the Environmental Protection Act  
Ministry of the Environment  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

**\* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 314-4506 or [www.ert.gov.on.ca](http://www.ert.gov.on.ca)**



*The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.*

DATED AT TORONTO this 5th day of November, 2014



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Edgardo Tovilla  
Director  
appointed for the purposes of Part II.1 of the  
*Environmental Protection Act*

LP/

c: District Manager, MOE Guelph  
Stephen D. Burns, P.Eng., B.M.Ross and Associates Ltd.