

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 1634-CAELS9
 Issue Date: February 28, 2022

2141632 Ontario Inc.
 55 Samnah Crescent, Town of Ingersoll,
 Ontario, N5C 3J7

Site Location: Mount Elgin Golf Club - WTP
 324183 Mount Elgin Rd E Mount Elgin
 South-West Oxford Township,
 Restructured County of Oxford.

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:

establishment, usage and operation of new non-municipal proprietary designed sewage works, for the treatment of sanitary sewage from a golf club and banquet facility, and disposal of effluent to a raised subsurface disposal bed via the sewage treatment plant (Golf Club Wastewater Treatment Plant) with a rated daily average flow of 30.0 m³/d. as follows:

Classification of Sewage Treatment Plant: Secondary Equivalent

Details of Service Area:

- **Type of Occupancy:** Commercial/Institutional/Industrial/Permanent Golf Club and restaurant facilities.

Design Capacity of Sewage Treatment Plant:

Design Capacity with All Treatment Trains in Operation	Upon Completion of Construction of All Proposed Works
Annual Maximum Daily Influent Flow	35.11 m ³ /d
Annual Average Daily Influent Flow/ Rated Capacity	30.00 m ³ /d

Influent and Imported Sewage

Receiving Location	Types
In Collection System	Sanitary Sewage

Proposed Works:

Golf Club Wastewater Treatment Plant (GCWTP)

Preliminary Treatment System

- **Grease Interceptor:** one (1) 3 chamber grease interceptor located within the kitchen / building to discharge decanted fluid by an ejector pump rated at 15 gal /min into a balancing tank as described below; and the sludge into a sludge holding tank described later on;
- **Flow Balancing/Equalization Tank:** one (1) balancing /equalization tank to accept sewage flow from a gravity sewer and with a holding capacity of 30.3 cu.m. with carbon lid venting; complete with a duplex pumps rated at 3.33 L/s at a 2.3 m TDH, to discharge into two (2) septic tanks #1 and #2 complete with effluent filters:

Primary Treatment:

- Dosed wastewater from the Equalization Tank undergoes primary treatment using (1) Septic Tank 1 (capacity 47.3 cu.m.) followed by (1) Septic Tank 2 (capacity 19 cu.m.) designed as: Septic Tank 1 to provide settling and storage of primary and secondary solids and Septic Tank 2 to provide additional settling and conditioning of the wastewater including pre-anoxic denitrification; and septic tank 2 to discharge partially treated sewage into the secondary treatment system MBBR tank 1 as follows:

Secondary Treatment System: Biological Treatment (proprietary designed iQ.MBBR by Bergmann North America Inc):

- Secondary treatment is provided through the iQ.MBBR™ system which utilizes a moving bed biofilm reactor (MBBR) process, consists of (2) aerobic bioreactors tanks #1 and #2 in series containing specially designed plastic carrier media having a specific surface area of $500 \text{ m}^2/\text{m}^3$. Microorganisms attach to the carrier media and consume the organic material in the wastewater. Oxygen needed for the aerobic treatment process is supplied by (2) side channel air blowers and distributed in the biological reactors stage by fine bubble diffusers and the blowers are controlled using dissolved oxygen (DO) sensors to run only when required. Media retaining screens are installed in each bioreactor to keep the carrier media in

place while allowing the wastewater pass through carbonaceous and subsequent nitrogenous biological treatment steps.

- Wastewater from Bioreactor Tank #1 (15.9 cu.m. capacity) flows by gravity to the Intermediate Clarifier (16.2 cu.m. capacity) with (3) sloped wall hoppers, (1) surface skimmer, and (3) sludge return pumps. Sludge settles to the bottom of the hoppers and is returned to the Sludge Storage tank (septic tank 1) along with any floating sludge removed by the skimmer pump. Wastewater from Intermediate Clarifier flows by gravity to Bioreactor 2.
- In Bioreactor Tank #2 (15.9 cu.m. capacity) complete with (1) recirculation pump returns part of the process mixed liquor at up to **4 x design flow** to the Sludge Storage tank to facilitate pre-anoxic denitrification in the secondary process. Through recirculation, a maximum of approximately **80%** nitrogen reduction is proposed assuming sufficient soluble reactive carbon is available in the influent. Supplemental carbon dosing is not included to support pre-anoxic denitrification; however, is included for tertiary denitrification.
- Wastewater from Bioreactor 2 flows by gravity to the Secondary Clarifier (6.1 cu.m. capacity) with (1) sloped wall double hopper, (1) surface skimmer, and (2) sludge return pumps. Sludge settles to the bottom of the hoppers and is returned to Septic Tank 1 along with any floating sludge removed by the skimmer pump.

Tertiary / Post-Secondary Treatment: Bioreactor (MBBR) System

- **Anoxic Bioreactor:** one (1) anoxic bioreactor unit with volume of 4.5 cu.m. is provided to remove any residual nitrate nitrogen supplement of carbon dosing is to be flow-paced based on the influent Equalization Pump operation and proportioned to limit residual nitrate for tertiary denitrification. The anoxic bioreactor is fully mixed periodically using coarse bubble diffusers and two (2) dedicated linear air blowers to remove any excess biomass while limiting the oxygen added. The MBBR effluent is to discharge into the Bioreactor 3 Tank as follows:
- **Aerobic Bioreactor Tank 3:** Tertiary Effluent Polishing is provided using Bioreactor tank 3 having a volume of 4.5 cu.m., using aerobic MBBR principle with air supply from two (2) linear air blowers; all effluent to discharge into the tertiary clarifier tank as follows:
- **Tertiary Clarifier Tank:** One (1) 6.1 cu.m. capacity hopper bottom tank to allow sedimentation of the biomass and ejector pumps to discharge sludge into the sludge tank via two (2) sludge return pups, and one (1) surface skimmer; and all effluent to discharge into the pump tank as follows:

Effluent Pump Tank: one (1) 11.2 cu.m. capacity tank complete with a flow meter, a duplex pumping system having a rated capacity of 2.4 L/s at 17.1 m TDH, via a 50 mm diameter PE pipe into a septic tile bed subsurface disposal system complete with a distribution valve chamber;

Sludge Management System

- Sludge Digestion/haulage:
 - **Septic Tank 1** (Primary sludge storage Tank): all sludge to store in the 47.3 cu.m. capacity septic tank to work as an anoxic zone to provide settlement of solids and decant sent to the Septic Tank 2 for additional settling and conditioning including pre-anoxic denitrification in the MBBR system, and balance of sludge to dispose by licensed hauler.

Septic Tile Bed: a raised tile bed on a 5,225 sq.m. area complete with 10 rows of 18 m long 100 mm diameter perforated pipes laid at a distance of 800 mm c/c in 300 mm deep clear stone aggregates over 750 mm deep imported sand (filter medium) and covered with 400 mm deep approved sand fill; together with a 50 m X 40 m sand mantle located down hill of the bed;

including all other mechanical system, electrical system, instrumentation and control system, stand-by power system, piping, pumps, valves and appurtenances essential for the proper, safe and reliable operation of the Works in accordance with this Approval, in the context of process performance and general principles of wastewater engineering only;

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

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

1. "Annual Maximum Daily Influent Flow" means the maximum Influent collected in a single day during a calendar year;
2. "Annual Average Daily Influent Flow" means the cumulative total sewage flow of Influent to the Sewage Treatment Plant during a calendar year divided by the number of days during which sewage was flowing to the Sewage Treatment Plant that year;
3. "Approval" means this entire Environmental Compliance Approval and any Schedules attached to it;
4. "BOD5" (also known as TBOD5) means five day biochemical oxygen demand measured in an unfiltered sample and includes carbonaceous and nitrogenous oxygen demands;)
5. "CBOD5" means five day carbonaceous (nitrification inhibited) biochemical oxygen demand measured in an unfiltered sample;
6. "Director" means a person appointed by the Minister pursuant to section 5 of the EPA for the purposes of Part II.1 of the EPA;
7. "District Manager" means the District Manager of the appropriate local district office of the Ministry where the Works is geographically located;

8. "EPA" means the *Environmental Protection Act* , R.S.O. 1990, c.E.19;
9. "Final Effluent" means effluent that is discharged to the environment through the approved effluent disposal facilities, including all Bypasses, that are required to meet the compliance limits stipulated in the Approval for the Sewage Treatment Plant at the Final Effluent sampling point(s);
10. "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;
11. "Influent" means flows to the Sewage Treatment Plant from the collection system and Imported Sewage but excluding process return flows ;
12. "Licensed Engineering Practitioner" means a person who holds a licence, limited licence or temporary licence under the *Professional Engineers Act*, R.S.O. 1990, c. P.28;
13. "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;
14. "Owner" means 2141632 Ontario Inc.; including any successors and assignees;
15. "OWRA" means the *Ontario Water Resources Act* , R.S.O. 1990, c. O.40;
16. "Preliminary Treatment System" means all facilities in the Sewage Treatment Plant associated with screening and grit removal;
17. "Proposed Works" means those portions of the Works included in the Approval that are under construction or to be constructed;
18. "Secondary Treatment System" means all facilities in the Sewage Treatment Plant associated with biological treatment, secondary sedimentation and phosphorus removal unit processes;)
19. "Sewage Treatment Plant" means all the facilities related to sewage treatment within the sewage treatment plant site excluding the Final Effluent disposal facilities;
20. "Works" means the approved sewage works, and includes Proposed Works, and any Existing 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 terms and conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

2. The Owner shall design, construct, operate and maintain the Works in accordance with the conditions of this Approval.
3. Where there is a conflict between a provision of any document referred to in this Approval and the conditions of this Approval, the conditions in this Approval shall take precedence.
4. The issuance of, and compliance with the conditions of this Approval does not:
 - a. relieve any person of any obligation to comply with any provision of any applicable statute, regulation or other legal requirement, including, but not limited to, the obligation to obtain approval from the local conservation authority necessary to construct or operate the sewage Works;

2. CHANGE OF OWNER AND OPERATING AGENCY

1. The Owner shall notify the District Manager and the Director, in writing, of any of the following changes within thirty (30) days of the change occurring:
 - a. change of address of Owner;
 - b. change of Owner, including address of new 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. B.17* , as amended, shall be included in the notification;
 - 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. C.39* , as amended, shall be included in the notification.
2. In the event of any change in ownership of the Works, the Owner shall notify the succeeding owner in writing, of the existence of this Approval, and forward a copy of the notice to the District Manager.
3. The Owner shall ensure that all communications made pursuant to this condition refer to the environmental compliance approval number.

3. CONSTRUCTION OF PROPOSED WORKS / RECORD DRAWINGS)

1. All Proposed Works in this Approval shall be constructed and installed and must commence operation within five (5) years of issuance of this Approval, after which time the Approval ceases to apply in respect of any portions of the Works not in operation. In the event that the construction, installation and/or operation of any portion of the Proposed Works is anticipated to be delayed beyond the time period stipulated, the Owner shall submit to the Director an application to amend the Approval to extend

this time period, at least six (6) months prior to the end of the period. The amendment application shall include the reason(s) for the delay and whether there is any design change(s).)

2. Upon completion of construction of the Proposed Works, the Owner shall prepare and submit a written statement to the District Manager, certified by a Licensed Engineering Practitioner, that the Proposed Works is constructed in accordance with this Approval.
3. One (1) week prior to the commencement of the operation of the Proposed Works, the Owner shall notify the District Manager (in writing) of the pending start-up date.)
4. Within one (1) year of completion of construction of the Proposed Works, a set of record drawings of the Works shall be prepared or updated. These drawings shall be kept up to date through revisions undertaken from time to time and a copy shall be readily accessible for reference at the Works.
5. A set of record drawings of the Works shall be kept up to date through revisions undertaken from time to time and a copy shall be readily accessible for reference at the Works.
6. The Owner shall ensure that the treatment technologies are installed in accordance with the manufacturer's installation manual.
7. Owner shall ensure that an imported soil that is required for construction of any subsurface disposal bed as per this Approval is tested and verified by the Licensed Engineering Practitioner for the percolation time (T) prior to delivering to the site location and the written records are kept at the site.

4. DESIGN OBJECTIVES

1. The Owner shall design and undertake everything practicable to operate the Sewage Treatment Plant in accordance with the following objectives:
 - a. Final Effluent parameters design objectives listed in the table(s) included in **Schedule B**.

5. OPERATION AND MAINTENANCE

1. The Owner shall ensure that, at all times, the Works and the related equipment and appurtenances used to achieve compliance with this Approval are properly operated and maintained. Proper operation and maintenance shall include effective performance, adequate staffing and training, including training in all procedures and other requirements of this Approval and the OWRA and relevant regulations made under the OWRA, process controls and alarms and the use of process chemicals and other substances used in the Works.
2. The Owner shall prepare/update the operations manual for the Works within six (6) months of completion of construction of the Proposed Works, that includes, but not necessarily limited to, the following information:

- a. operating procedures for the Works under Normal Operating Conditions;
 - b. inspection programs, including frequency of inspection, for the Works and the methods or tests employed to detect when maintenance is necessary;
 - c. repair and maintenance programs, including the frequency of repair and maintenance for the Works;
 - d. procedures for the inspection and calibration of monitoring equipment;
 - e. operating procedures for the Works to handle situations outside Normal Operating Conditions and emergency situations such as a structural, mechanical or electrical failure, or an unforeseen flow condition;
 - f. a spill prevention control and countermeasures plan, consisting of contingency plans and procedures for dealing with equipment breakdowns, potential spills and any other abnormal situations, including notification of the Spills Action Centre (SAC) and District Manager;
 - g. procedures for receiving, responding and recording public complaints, including recording any follow-up actions taken.
3. The Owner shall maintain an up to date operations manual and make the manual readily accessible for reference at the Works for the operational life of the Works. Upon request, the Owner shall make the manual available to Ministry staff.
 4. The Owner shall, upon the construction, prepare and make available for inspection by Ministry staff, a maintenance agreement with the manufacturer for the treatment process/technology. The maintenance agreement must be retained at the site and kept current for the operational life of the Works.)
 5. The Owner shall ensure that grass-cutting is maintained regularly over the subsurface disposal bed(s), and that adequate steps are taken to ensure that the area of the underground works is protected from vehicle traffic.
 6. The Owner shall visually inspect the general area where sewage works are located for break-out once every month during the operating season.
 7. In the event a break-out is observed from a subsurface disposal bed, the Owner shall do the following:
 - a. sewage discharge to that subsurface disposal system shall be discontinued;
 - b. the incident shall be **immediately** reported verbally to the Spills Action Centre (SAC) at (416) 325-3000 or 1-800-268-6060;
 - c. submit a written report to the District Manager within **one (1) week** of the break-out;

- d. access to the break-out area shall be restricted until remedial actions are complete;
 - e. during the time remedial actions are taking place the sewage generated at the site shall not be allowed to discharge to the environment; and
 - f. sewage generated at the site shall be safely collected and disposed of through a licensed waste hauler to an approved sewage disposal site.
8. The Owner shall ensure that the septic tanks / sludge tanks be inspected at least twice per year by a qualified person, and the sewage sludge accumulated in the septic tanks be periodically withdrawn at the frequency required to maintain efficiency of the treatment system. The effluent filters in septic tanks shall be cleaned out at least once every six (6) months, when the tank is pumped out.
 9. The owner shall install two (2) ground-water monitoring wells between the dispersal bed and the downgradient property boundary and collect samples at the frequency specified in **Table 4 Schedule C**, by means of the specified sample type, analyze for each parameter listed and record all results;
 10. The Owner shall have a valid written agreement with a hauler who is in possession of a Waste Management Systems Approval, for the treatment and disposal of the sludge generated from the Works, at all times during operation of the Works.
 11. The Owner shall ensure the grease interceptors be cleaned out at least once per year, or more frequently as determined by the Works operator, for removal of fats, oil and grease from the kitchen wastewater.
 12. The Owner shall ensure that flow of treated effluent discharged into the subsurface sewage system does not exceed 30,000 litres per day, based on an Annual Average basis.

6. MONITORING AND RECORDING

1. The Owner shall, upon commencement of operation of the Works, carry out a scheduled monitoring program of collecting samples at the required sampling points, at the frequency specified or higher, by means of the specified sample type and analyzed for each parameter listed in the tables under the monitoring program included in **Schedule C** and record all results, as follows:
 - a. all samples and measurements are to be taken at a time and in a location characteristic of the quality and quantity of the sewage stream over the time period being monitored.
 - b. definitions and preparation requirements for each sample type are included in document referenced in Paragraph 2.c.
 - c. definitions for frequency:
 - i. Monthly means once every month;

- ii. Annually means once every year;
 - d. The measurement frequencies specified in **Schedule D** in respect to any parameter may, after one (1) year of monitoring in accordance with this Condition, be modified by the Director in writing.
2. The methods and protocols for sampling, analysis and recording shall conform, in order of precedence, to the methods and protocols specified in the following documents and all analysis shall be conducted by a laboratory accredited to the ISO/IEC:17025 standard or as directed by the District Manager:
 - a. the Ministry's Procedure F-10-1, "Procedures for Sampling and Analysis Requirements for Municipal and Private Sewage Treatment Works (Liquid Waste Streams Only), as amended;
 - b. the Ministry's publication "Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater Version 2.0" (January 2016), PIBS 2724e02, as amended;
 - c. the publication "Standard Methods for the Examination of Water and Wastewater", as amended; and
 - d. for any parameters not mentioned in the documents referenced in Paragraphs 2.a, 2.b and 2.c, the written approval of the District Manager shall be obtained prior to sampling.
 3. The Owner shall monitor and record the flow rate and daily quantity using flow measuring devices or other methods of measurement as approved below calibrated to an accuracy within plus or minus 15 per cent (+/- 15%) of the actual flowrate of the following:
 - a. Final Effluent discharged from the Sewage Treatment Plant by continuous flow measuring devices and instrumentations/pumping rates.
 4. The Owner shall retain for a minimum of five (5) years from the date of their creation, all records and information related to or resulting from the monitoring activities required by this Approval.

7. REPORTING

1. The Owner shall report to the District Manager orally as soon as possible any non-compliance with the compliance limits, and in writing within seven (7) days of non-compliance.
2. In addition to the obligations under Part X of the EPA and O. Reg. 675/98 (Classification and Exemption of Spills and Reporting of Discharges), the Owner shall, within fifteen (15) days of the occurrence of any reportable spill as provided in Part X of the EPA and Ontario Regulation 675/98, submit a full written report of the occurrence to the District Manager describing the cause and discovery of the spill, clean-up and recovery measures taken, preventative measures to be taken and a schedule of implementation.
3. The Owner shall, upon request, make all manuals, plans, records, data, procedures and supporting documentation available to Ministry staff,
4. The Owner shall prepare annual performance reports on a calendar year basis and submit to the District

Manager in an electronic format by March 31 of the calendar year following the period being reported upon. The reports shall contain, but shall not be limited to, the following information pertaining to the reporting period:

- a. a summary and interpretation of all flow data and results achieved in not exceeding the maximum daily flow discharged into the subsurface disposal system;
- b. a summary and interpretation of all Final Effluent monitoring data, including concentration, flow rates and a comparison to the design objectives and compliance limits in this Approval, including an overview of the success and adequacy of the Works;
- c. a summary and interpretation of ground-water monitoring data including shallow ground-water flow direction, interpretation of analytical results and comparison with the trigger level of 2.5 mg/l for Nitrates concentration in accordance with the Reasonable Use Policy;
- d. a summary of all operating issues encountered and corrective actions taken;
- e. a summary of all normal and emergency repairs and maintenance activities carried out on any major structure, equipment, apparatus or mechanism forming part of the Works;
- f. a summary of any effluent quality assurance or control measures undertaken;
- g. a summary of the calibration and maintenance carried out on all monitoring equipment to ensure that the accuracy is within the tolerance of that equipment as required in this Approval or recommended by the manufacturer;
- h. a summary of efforts made to achieve the design objectives in this Approval, including an assessment of the issues and recommendations for pro-active actions when any of the design objectives is not achieved more than 50% of the time in a year or there is an increasing trend in deterioration of Final Effluent quality;
- i. a summary of any complaints received and any steps taken to address the complaints;
- j. any changes or updates to the schedule for the completion of construction and commissioning operation of major process(es) / equipment groups in the Proposed Works;
- k. any other information the District Manager requires from time to time.

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

1. Condition 1 regarding general provisions is imposed to ensure that the Works are constructed and operated in the manner in which they were described and upon which approval was granted.
2. Condition 2 regarding change of Owner and Operating Agency is included to ensure that the Ministry

records are kept accurate and current with respect to ownership and Operating Agency of the 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.

3. Condition 3 regarding construction of Proposed Works/record drawings is included to ensure that the Works are constructed in a timely manner so that standards applicable at the time of Approval of the Works are still applicable at the time of construction to ensure the ongoing protection of the environment, and also ensure that the Works are constructed in accordance with the Approval and that record drawings of the Works "as constructed" are updated and maintained for future references.
4. Condition 4 regarding design objectives is imposed to establish non-enforceable design objectives to be used as a mechanism to trigger corrective action proactively and voluntarily before environmental impairment occurs.
5. Condition 5 regarding operation and maintenance is included to require that the Works be properly operated, maintained, funded, staffed and equipped such that the environment is protected and deterioration, loss, injury or damage to any person or property is prevented. As well, the inclusion of a comprehensive operations manual governing all significant areas of operation, maintenance and repair is prepared, implemented and kept up-to-date by the Owner. Such a manual is an integral part of the operation of the Works. Its compilation and use should assist the Owner in staff training, in proper plant operation and in identifying and planning for contingencies during possible abnormal conditions. The manual will also act as a benchmark for Ministry staff when reviewing the Owner's operation of the Works.
6. Condition 6 regarding monitoring and recording is included to enable the Owner to evaluate and demonstrate the performance of the Works, on a continual basis, so that the Works are properly operated and maintained at a level which is consistent with the design objectives and compliance limits.
7. Condition 7 regarding reporting is included to provide a performance record for future references, to ensure that the Ministry is made aware of problems as they arise, and to provide a compliance record for this Approval.

Schedule A

1. Application for Environmental Compliance Approval submitted by Bob Phillips, P.Eng. of J.H. Cohoon Engineering Ltd. received on June 2, 2021 for the proposal including Design Brief, Plan Drawing and limited specifications.

Schedule B

Concentration Objectives upon completion of construction of all Proposed Works

Final Effluent Parameter	Averaging Calculator	Objective
CBOD5	Monthly Average Effluent Concentration	10 mg/L
Total Suspended Solids	Monthly Average Effluent Concentration	10 mg/L
Total Inorganic Nitrogen (TIN)	Monthly Average Effluent Concentration	(04/30 -10/30): 3.3 mg/L (11/01- 03/31): 6.6 mg/L

Schedule C

Monitoring Program

Table 1: Influent: sampling point at the balancing tank pump out

Parameters	Sample Type	Minimum Frequency
BOD5	Grab	Monthly
Total Suspended Solids	Grab	Monthly
Total Phosphorus	Grab	Monthly
Total Kjeldahl Nitrogen	Grab	Monthly

Table 2: Final Effluent - Final Effluent sampling point at the effluent pump tank

Parameters	Sample Type	Minimum Frequency
CBOD5	Grab	Monthly
Total Suspended Solids	Grab	Monthly
Total Phosphorus	Grab	Monthly
Total Ammonia Nitrogen	Grab	Monthly
Total Kjeldahl Nitrogen	Grab	Monthly
Nitrate + Nitrite as Nitrogen	Grab	Monthly

Table 3: Sludge/Biosolids – septic tank 1/holding tank/truck loading bay

Parameters	Sample Type	Minimum Frequency
Total Solids	Grab	Annually
Total Phosphorus	Grab	Annually
Total Ammonia Nitrogen	Grab	Annually
Nitrate as Nitrogen	Grab	Annually
Metal Scan for: - Arsenic, Cadmium - Cobalt, Chromium - Copper, Lead - Mercury, Molybdenum - Nickel, Potassium - Selenium and Zinc	Grab	Annually

Table 4: Ground-water Monitoring Table

Sampling Location	At the two (2) downgradient monitoring wells located between the Leaching Beds and the property boundary.
Frequency	Quarterly
Sample Type	Grab
Parameters	Nitrate - Nitrogen, Nitrite - Nitrogen, Total Nitrogen, Unionized Ammonia, pH and phosphorus and Water level.

In accordance with Section 139 of the *Environmental Protection Act*, you may by written notice served upon me, the Ontario Land Tribunal and in accordance with Section 47 of the *Environmental Bill of Rights*, 1993, the Minister of the Environment, Conservation and Parks, within 15 days after receipt of this notice, require a hearing by the Tribunal. The Minister of the Environment, Conservation and Parks will place notice of your appeal on the Environmental Registry. Section 142 of the *Environmental Protection Act* provides that the notice requiring the hearing ("the Hearing") shall state:

- a. 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;
- b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

- 1. The name of the appellant;
- 2. The address of the appellant;
- 3. The environmental compliance approval number;
- 4. The date of the environmental compliance approval;
- 5. The name of the Director, and;
- 6. 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:

Registrar*
 Ontario Land Tribunal
 655 Bay Street, Suite 1500
 Toronto, Ontario
 M5G 1E5
 OLT.Registrar@ontario.ca

and

The Minister of the Environment,
 Conservation and Parks
 777 Bay Street, 5th Floor
 Toronto, Ontario
 M7A 2J3

and

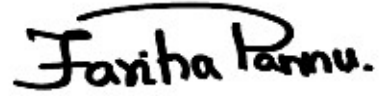
The Director appointed for the purposes of
 Part II.1 of the *Environmental Protection Act*
 Ministry of the Environment,
 Conservation and Parks
 135 St. Clair Avenue West, 1st Floor
 Toronto, Ontario
 M4V 1P5

*** Further information on the Ontario Land Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349 or 1 (866) 448-2248, or www.olt.gov.on.ca**

This instrument is subject to Section 38 of the *Environmental Bill of Rights*, 1993, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at <https://ero.ontario.ca/>, you can determine when the leave to appeal period ends.

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

DATED AT TORONTO this 28th day of February, 2022

A handwritten signature in black ink that reads "Fariha Pannu." The signature is written in a cursive style with a large, sweeping initial 'F'.

Fariha Pannu, P.Eng.

Director

appointed for the purposes of Part II.1 of the
Environmental Protection Act

MN/

c: District Manager, MECP London - District
Bob Phillips, J.H. Cohoon Engineering Ltd.