

**ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER 0324-CUHGTV  
Issue Date: August 30, 2023

Jordan Christian School  
4171 Fifteenth Street  
Lincoln, Ontario  
L0R 1S0

Site Location: Jordan Christian School  
4171 Fifteenth Street  
Town of Lincoln, Regional Municipality of Niagara  
L0R 1S0

*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:*

upgrades to the existing Works for the treatment of sanitary sewage and subsurface disposal of treated effluent from the existing Jordan Christian School, including the proposed 690 m<sup>2</sup> building addition to replace the existing temporary portable classrooms, for four hundred (400) students and thirty five (35) staff, and the existing Church Chapel, at the above site location, rated at a total Maximum Daily Flow of 18,900 litres per day (L/day), consisting of the following:

**PROPOSED WORKS**

the establishment of Works for the treatment of sanitary sewage and subsurface disposal of treated effluent from the existing Jordan Christian School and the proposed 690 m<sup>2</sup> building addition, for four hundred (400) students and thirty five (35) staff, rated at a Maximum Daily Flow of 14,000 L/day, consisting of the following:

- one (1) two-compartment precast concrete septic tank located east of the existing Jordan Christian School and south of the proposed 690 m<sup>2</sup> building addition, receiving raw sewage from the existing Jordan Christian School and the proposed 690 m<sup>2</sup> building addition, having a minimum working capacity of 13,500 L, complete with risers and access hatches and one (1) effluent filter (OBC approved) rated at a minimum daily flow of 14,000 L/day, installed on the outlet pipe, discharging by gravity to the first compartment of a Waterloo Biofilter anaerobic digester;
- one (1) two-compartment precast concrete Waterloo Biofilter anaerobic digester located east of the existing Jordan Christian School and south of the proposed 690 m<sup>2</sup> building addition, the first compartment receiving effluent from the 13,500 L septic tank, having a total minimum working capacity of 22,500 L, complete

with risers and access hatches, the first compartment housing a Waterloo Biofilter InnerTube pipe and the second compartment housing three (3) EC-P Phosphorus Removal units using electrocoagulation for phosphorus removal, each unit consisting of an electrode assembly, and the second compartment complete with one (1) effluent filter (OBC approved) rated at a minimum daily flow of 14,000 L/day, installed on the outlet pipe, discharging by gravity to a pump chamber;

- one (1) one-compartment precast concrete pump tank located east of the existing Jordan Christian School and south of the proposed 690 m<sup>2</sup> building addition, receiving effluent from the second compartment of the 22,500 L Waterloo Biofilter anaerobic digester, having a minimum working capacity of 18,000 L, housing one (1) basket filled with 6.4 m<sup>3</sup> of proprietary Waterloo Biofilter synthetic foam medium (trickling filter) and two (2) submersible effluent pumps (Liberty Pump Model 280 or Equivalent Equipment), complete with risers and access hatches, liquid level float switches, including a high liquid level audible and visual alarm system and discharge piping, discharging via one (1) 50 mm diameter forcemain to a Waterloo Biofilter treatment system;
- one (1) Waterloo Biofilter treatment system located east of the existing Jordan Christian School and south of the proposed 690 m<sup>2</sup> building addition, receiving effluent from the 18,000 L pump tank, designed to provide treatment to a daily design sanitary sewage flow of 14,000 L/day, consisting of two (2) one-compartment precast concrete Waterloo Biofilter treatment tanks, interconnected with two (2) bottom drains, each treatment tank having a minimum working capacity of 22,500 L, housing two (2) baskets filled with a total of 17.4 m<sup>3</sup> of proprietary Waterloo Biofilter synthetic foam medium (trickling filter) and complete with risers and access hatches, an air fan and spray manifolds, the second treatment tank housing one (1) submersible effluent pump (Liberty Pump Model 280 or Equivalent Equipment) recirculating a portion of the treated effluent via one (1) 50 mm diameter recirculation line to the inlet of the 13,500 L septic tank and via one (1) 50 mm diameter recirculation line to the first compartment of the 22,500 L Waterloo Biofilter anaerobic digester, and two (2) submersible effluent pumps (Liberty Pump Model 290 or Equivalent Equipment) rated at a minimum 2.75 L/min when operating against a total dynamic head (TDH) of 9.0 m, dosing the treated effluent to a Type A dispersal bed, the second treatment tank complete with liquid level float switches, including a high liquid level audible and visual alarm system and discharge piping, discharging via one (1) 50 mm diameter forcemain delivering approximately fifteen (15) cycles per day of an approximate volume of 933 L/cycle for a total treated effluent flow of 14,000 L/day to a Type A dispersal bed;
- one (1) raised 24 m by 34 m Type A dispersal bed located approximately 60 m north-east of the proposed 690 m<sup>2</sup> building addition, receiving effluent via the 50 mm diameter forcemain and one (1) concrete distribution box from the Waterloo Biofilter treatment system, designed for a daily design sanitary sewage flow of 14,000 L/day, having a top stone area of 288 m<sup>2</sup> (18 m by 16 m and a minimum 300 mm thick layer of clear stone meeting OBC specifications), a total imported sand fill contact base area of 816 m<sup>2</sup> (24 m by 34 m and a minimum 300 mm thick layer of imported sand fill having a percolation time of 6 min/cm to 10 min/cm and meeting OBC specifications), and sixteen (16) 17 m long runs, spaced at 1.0 m centre to centre, for the total length of 272 m of 75 mm diameter perforated distribution piping installed in a minimum 300 mm thick clear stone layer covered with permeable geo-textile fabric/filter cloth, having a minimum separation distance of 600 mm between the bottom of the stone layer and the high groundwater table, rock or soil with a percolation rate (T) greater than 50 min/cm, the clear stone layer overlying a minimum 300 mm thick layer of imported sand fill having a percolation time of 6 min/cm to 10 min/cm, including a

minimum 300 mm thick imported sand fill mantle extending 15 m beyond the outermost distribution pipes in any direction which effluent will move laterally in the soil away from the dispersal bed, all in accordance with the OBC requirements;

all other controls, electrical equipment, instrumentation, piping, pumps, valves and appurtenances essential for the proper operation of the aforementioned Works;

## **EXISTING WORKS**

### Church Chapel

the existing Works for the treatment of sanitary sewage and subsurface disposal of treated effluent from the existing Church Chapel, previously approved under the Regional Niagara Public Health Department Use Permit LO187/00 issued on December 18, 2000, rated at a Maximum Daily Flow of 4,900 L/day, consisting of the following:

- one (1) existing two-compartment septic tank located north of the existing Church Chapel, receiving raw sewage from the existing Church Chapel, having a minimum working capacity of 11,350 L, discharging by gravity to the existing pump chamber;
- one (1) existing pump chamber located north of the existing Church Chapel, discharging via the existing forcemain to two (2) existing filter beds;
- two (2) existing 7 m by 7 m filter beds for a total filter size of 98 m<sup>2</sup>, located east of the existing Church Chapel;

all other controls, electrical equipment, instrumentation, piping, pumps, valves and appurtenances essential for the proper operation of the aforementioned Works;

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 Average Effluent Concentration" is the mean of all single sample results of the concentration of a contaminant in the final effluent sampled or measured during a calendar year.
2. "Approval" means this entire Approval document and any Schedules to it, including the application and Supporting Documentation;
3. "BOD<sub>5</sub>" (also known as TBOD<sub>5</sub>) means five day biochemical oxygen demand measured in an unfiltered sample and includes carbonaceous and nitrogenous oxygen demand;
4. "CBOD<sub>5</sub>" means five day carbonaceous (nitrification inhibited) biochemical oxygen demand measured in an unfiltered sample;

5. "Commissioned" means the construction is complete and the system has been tested, inspected, and is ready for operation consistent with the design intent;
6. "Director" means a person appointed by the Minister pursuant to Section 5 of the EPA for the purposes of Part II.I of the EPA;
7. "District Manager" means the District Manager of the Niagara District Office;
8. "EPA" means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended;
9. "Equivalent Equipment" means a substituted equipment or like-for-like equipment that meets the required quality and performance standards of a named equipment;
10. "Existing Works" means those portions of the Works included in the Approval that have been constructed previously;
11. "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;
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. "Maximum Daily Flow" means the largest volume of flow to be received during a one-day period for which the Works is designed to handle;
14. "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;
15. "OBC" means the Ontario Building Code, Ontario Regulation 332/12 (Building Code) as amended to January 1, 2015, made under the *Building Code Act*, 1992, S.O. 1992, c. 23;
16. "Owner" means Jordan Christian School and its successors and assignees;
17. "OWRA" means the *Ontario Water Resources Act*, R.S.O. 1990, c. O.40, as amended;
18. "Proposed Works" means those portions of the Works included in the Approval that are under construction or to be constructed;
19. "Single Sample Result" means the test result of a parameter in the effluent discharged on any day, as measured by a probe, analyzer or in a composite or grab sample, as required;
20. "Works" means the sewage works described in the Owner's applications, this Approval and in the supporting documentation referred to herein, to the extent approved by this Approval, and includes Proposed Works, and 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.

### **2. EXPIRY OF APPROVAL**

1. This Approval will cease to apply to those parts of the Works which have not been constructed within **five (5) years** of the date of this Approval.

### **3. CHANGE OF OWNER**

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.B17 shall be included in the notification;
  - d. change of name of the corporation and a copy of the most current information filed under the *Corporations Informations Act* , R.S.O. 1990, c. C39 shall be included in the notification.
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 District Manager and the Director.
3. The Owner shall ensure that all communications made pursuant to this condition refer to the number of this Approval.

#### 4. CONSTRUCTION OF PROPOSED WORKS

1. The Owner shall ensure that the construction of the Proposed Works is supervised by a Licensed Engineering Practitioner.
2. The Owner shall ensure that the Proposed Works are constructed such that minimum horizontal clearance distances as specified in the OBC are satisfied.
3. The Owner shall ensure that the Waterloo Biofilter treatment system is installed in accordance with the manufacturer's installation manual.
4. The 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.
5. Within **six (6) months** of the Proposed Works being Commissioned, the Owner shall prepare a statement, certified by a Licensed Engineering Practitioner, that the Proposed Works are constructed in accordance with this Approval, and upon request, shall make the written statement available for inspection by Ministry staff.
6. Within **six (6) months** of the Proposed Works being Commissioned, the Owner shall prepare a set of as-built drawings showing the Proposed Works "as constructed". "As-built" drawings shall be kept up to date through revisions undertaken from time to time and a copy shall be retained at the site for the operational life of the Works and shall be made available for inspection by Ministry staff.

#### 5. MONITORING AND RECORDING

The Owner shall, upon commencement of operation of the Works, carry out the following monitoring program:

1. All samples and measurements taken for the purpose of this Approval are to be taken at a time and in a location characteristic of the quality and quantity of the effluent stream over the time period being monitored.
2. Samples shall be collected at the sampling point, at the sampling frequency and using the sample type specified for each parameter listed in the Influent Monitoring Table included in **Schedule B**.
3. Samples shall be collected at the sampling point, at the sampling frequency and using the sample type specified for each parameter listed in the Effluent Monitoring Table included in **Schedule B**.
4. Samples shall be collected at the sampling points, at the sampling frequency and using the sample type specified for each parameter listed in the Groundwater Monitoring Table included in **Schedule B**.
5. Samples shall be collected at the sampling points, at the sampling frequency and using the sample

type specified for each parameter listed in the Surface Water Monitoring Table included in **Schedule B**.

6. Prior to the startup of the Proposed Works, background groundwater quality must be established by collecting groundwater samples and having them analyzed for the parameters listed in the Groundwater Monitoring Table included in **Schedule B**.
7. The Owner shall employ measurement devices to accurately measure quantity of effluent being discharged to each individual subsurface disposal bed, including but not limited to water/wastewater flow meters, event counters, running time clocks, or electronically controlled dosing, and shall record the daily volume of effluent being discharged to the subsurface disposal bed.
8. The Owner shall ensure that the flow of treated effluent discharged into the Proposed Works subsurface disposal bed does not exceed 14,000 L/day.
9. 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 from time to time by more recently published editions;
  - b. the Ministry's publication "Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater Version 2.0" (January 2016), PIBS 2724e02, as amended; and
  - c. the publication "Standard Methods for the Examination of Water and Wastewater" (21st edition), as amended from time to time by more recently published editions.
10. 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.

## **6. EFFLUENT OBJECTIVES**

1. The Owner shall design and undertake everything practicable to operate the Works in accordance with the Final Effluent parameters design objectives listed in the table included in **Schedule B**.
2. For the purposes of subsection 1:
  - a. The concentrations of CBOD<sub>5</sub> and TSS named in Column 1 of Effluent Objectives Table listed in **Schedule B**, as measured at each monitoring event, should be compared to the corresponding concentration set out in Column 3 of Effluent Objectives Table listed in **Schedule B**.

- b. The annual average concentration of TP named in Column 1 of Effluent Objectives Table listed in **Schedule B**, should be compared to the corresponding concentration set out in Column 3 of Effluent Objectives Table listed in **Schedule B**.

## 7. EFFLUENT LIMITS

1. The Owner shall design, construct, operate and maintain the Works such that the concentrations of the materials named as effluent parameter in the Effluent Limits Table in **Schedule B** are not exceeded in the effluent from the Works:
2. For the purposes of determining compliance with and enforcing subsection (1):
  - a. The annual average concentration of TP named in Column 1 of the Effluent Limit Table listed in **Schedule B** shall not exceed the corresponding maximum concentration set out in Column 3 of the Effluent Limits Table listed in **Schedule B**.

## 8. OPERATIONS 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 funding, adequate staffing and training, including training in all procedures and other requirements of this Approval and the OWRA and regulations, adequate laboratory facilities, process controls and alarms and the use of process chemicals and other substances used in the Works.
2. The Owner shall prepare an operations manual within **six (6) months** of the Proposed Works being Commissioned, that includes, but shall not be limited to, the following information:
  - a. operating procedures for routine operation of all the Works;
  - b. inspection programs, including frequency of inspection, for all 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 all the Works; copies of maintenance contracts for any routine inspections and pump-outs should be included for all the tanks and treatment units;
  - d. procedures for the inspection and calibration of monitoring equipment;
  - e. 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; and
  - f. 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 completion of 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 all septic tanks are pumped out every 3-5 years or when the tank is 1/3 full of solids and the effluent filters are cleaned out at minimum once a year or more often if required.
6. The Owner shall ensure that grass-cutting is maintained regularly over the subsurface disposal beds, and that adequate steps are taken to ensure that the area of the underground Works is protected from vehicle traffic.
7. The Owner shall visually inspect the general area where Works are located for break-out once every month during the operating season.
8. 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.
9. The Owner shall employ for the overall operation of the Proposed Works a person who possesses the level of training and experience sufficient to allow safe and environmentally sound operation of the Works.
10. 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 operations and maintenance activities required by

this Approval.

## 9. REPORTING

1. **One week** prior to the start up of the operation of the Proposed Works, the Owner shall notify the District Manager (in writing) of the pending start up date.
2. The Owner shall report to the District Manager orally **as soon as possible** any non-compliance with the compliance limits specified in subsection 2 of Condition 7, and in writing within **seven (7) days** of non-compliance.
3. 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) made under the EPA, the Owner shall, within **fifteen (15) days** of the occurrence of any reportable spill as provided in Part X of the EPA and O. Reg. 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.
4. The Owner shall, upon request, make all manuals, plans, records, data, procedures and supporting documentation available to Ministry staff.
5. The Owner shall prepare and submit a performance report, on an annual basis, within **ninety (90) days** following the end of each operational season to the District Manager. The first such report shall cover the first annual period following the commencement of operation of the Proposed Works and subsequent reports shall cover successive annual periods following thereafter. The reports shall contain, but shall not be limited to, the following information:
  - a. a summary and description of efforts made and results achieved in meeting the effluent objectives of Condition 6;
  - b. a summary and interpretation of all monitoring data and a comparison to the effluent limits of Condition 7, including an overview of the success and adequacy of the Works, and a Contingency Plan in the event of non-compliance with the effluent limits.
  - c. a summary and interpretation of groundwater monitoring data;
  - d. a summary and interpretation of surface water monitoring data;
  - e. a review and assessment of the performance of the Works, including all treatment units and subsurface disposal beds;
  - f. a description of any operating problems encountered and corrective actions taken at all Works located at the property;
  - g. a record of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of all Works located at the property including but not

limited to: records of maintenance inspections for the treatment system, records of septic tank effluent filters cleaning, records of septic tank pump-outs, records of sludge pump-outs accumulated from the treatment system, records of visual inspections of all disposal systems;

- h. a summary of any effluent quality assurance or control measures undertaken in the reporting period;
- i. a summary and interpretation of all daily flow data and results achieved in not exceeding the maximum daily sewage flow discharged into each one of the subsurface disposal system;
- j. a summary of any complaints received during the reporting period and any steps taken to address the complaints;
- k. a summary of all spill or abnormal discharge events;
- l. any other information the District Manager requires from time to time;

## **10. DECOMMISSIONING OF UN-USED WORKS**

1. The Owner shall properly abandon any portion of unused existing Works, as directed below, and upon completion of decommissioning report in writing to the District Manager:
  - a. any sewage pipes leading from building structures to unused Works components shall be disconnected and capped;
  - b. any unused septic tanks, holding tanks and pump chambers shall be completely emptied of its content by a licensed hauler and either be removed, crushed and backfilled, or be filled with granular material;
  - c. if the area of the existing leaching bed is going to be used for the purposes of construction of a replacement bed or other structure, all distribution pipes and surrounding material must be removed by a licensed hauler and disposed off site at an approved waste disposal site; otherwise the existing leaching bed may be abandoned in place after disconnecting, if there are no other plans to use the area for other purposes.

*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, and may be operated and maintained such that the environment is protected and deterioration, loss, injury or damage to any person or property is prevented.
5. Condition 5 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 specified in the Approval and that the Works does not cause any impairment to the receiving watercourse.
6. Condition 6 is imposed to establish non-enforceable effluent quality objectives which the Owner is obligated to use best efforts to strive towards on an ongoing basis. These objectives are to be used as a mechanism to trigger corrective action proactively and voluntarily before environmental impairment occurs.
7. Condition 7 is imposed to ensure that the effluent discharged from the Works to the groundwater meets the Ministry's effluent quality requirements thus minimizing environmental impact on the receiver.
8. Condition 8 is included to require that the Works be properly operated, maintained, and equipped such that the environment is protected. As well, the inclusion of an operations manual, maintenance agreement with the manufacturer for the treatment process/technology and a complete set of "as constructed" drawings governing all significant areas of operation, maintenance and repair is prepared, implemented and kept up-to-date by the owner and made available to the Ministry. Such information 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 work.
9. Condition 9 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 all the terms and conditions outlined in this Approval, so that the Ministry can work with the Owner in resolving any problems in a timely manner.
10. Condition 10 is included to ensure that any components of un-used Works are properly decommissioned.

## **SCHEDULE A**

1. Environmental Compliance Approval Application submitted by Anne Egan, M.Sc.(Eng.), P.Eng., Manager, Onsite Wastewater, R.J. Burnside & Associates Limited, dated May 29, 2023, and received on June 6, 2023.
2. The design report titled "Sewage System Design Brief, ECA Application, Jordan Christian School, 4171 Fifteenth Street, Jordan Station, ON L0R 1S0" dated June 2023 and prepared by R.J. Burnside & Associates Limited.
3. All other information and documentation provided by R.J. Burnside & Associates Limited.

## SCHEDULE B

### Influent Monitoring Table

<b>Sampling Location</b>	The septic tank outlet
<b>Frequency</b>	Semi-annually (once every six months), spring and fall
<b>Sample Type</b>	Grab
<b>Parameters</b>	BOD <sub>5</sub> , Total Suspended Solids (TSS), Total Kjeldahl Nitrogen (TKN), Total Ammonia Nitrogen (TAN), Total Phosphorus (TP), Alkalinity  Field Parameters: pH, Temperature, Dissolved Oxygen (DO)

### Effluent Monitoring Table

<b>Sampling Location</b>	Effluent discharged from the Waterloo Biofilter treatment system upstream from the raised Type A dispersal bed
<b>Frequency</b>	Quarterly (once every three months), winter, spring, summer and fall
<b>Sample Type</b>	Grab
<b>Parameters</b>	CBOD <sub>5</sub> , Total Suspended Solids (TSS), Total Kjeldahl Nitrogen (TKN), Total Ammonia Nitrogen (TAN), Nitrate-Nitrogen, Nitrite-Nitrogen, Total Phosphorus (TP)  Field Parameters: pH, Temperature, Dissolved Oxygen (DO)

### Groundwater Monitoring Table

<b>Sampling Locations</b>	1) Monitoring Well MW1, 2) Monitoring Well MW2 (background), 3) Monitoring Well MW3, 4) Monitoring Well MW5 (downgradient), and 5) Monitoring Well MW6 (downgradient)
<b>Frequency</b>	Semi-annually (once every six months), spring and fall
<b>Sample Type</b>	Grab
<b>Parameters</b>	Total Phosphorus (TP), Dissolved Phosphorus, Total Kjeldahl Nitrogen (TKN), Total Ammonia Nitrogen (TAN), Nitrate-Nitrogen, Nitrite-Nitrogen  Field Measurement: Groundwater Level

### Surface Water Monitoring Table

<b>Sampling Locations</b>	1) SW1 (upstream), 2) SW3 (downstream of the existing pond), and 3) Ditch 1 (downstream, near the property line)
<b>Frequency</b>	Quarterly (once every three months), winter, spring, summer and fall
<b>Sample Type</b>	Grab
<b>Parameters</b>	Total Suspended Solids (TSS), Total Phosphorus (TP), Dissolved Phosphorus, Total Kjeldahl Nitrogen (TKN), Total Ammonia Nitrogen (TAN), Nitrate-Nitrogen, Nitrite-Nitrogen  Field Measurement: Surface Water Flow at each Monitoring Location

## Effluent Objectives Table

**Effluent discharged from the Waterloo Biofilter treatment system upstream from the raised Type A dispersal bed**

Final Effluent Parameter (Effluent discharged from the Waterloo Biofilter treatment system upstream from the raised Type A dispersal bed)	Averaging Calculator	Effluent Concentration Objective (maximum unless otherwise indicated)
<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
CBOD <sub>5</sub>	Single Sample Result	< 10 mg/L
Total Suspended Solids	Single Sample Result	< 10 mg/L
Total Phosphorus (TP)	Annual Average Effluent Concentration	0.5 mg/L

## Effluent Limit Table

**Effluent discharged from the Waterloo Biofilter treatment system upstream from the raised Type A dispersal**

Final Effluent Parameter (Effluent discharged from the Waterloo Biofilter treatment system upstream from the raised Type A dispersal bed)	Averaging Calculator	Effluent Concentration Limit (maximum unless otherwise indicated)
<i>Column 1</i>	<i>Column 2</i>	<i>Column 3</i>
Total Phosphorus (TP)	Annual Average Effluent Concentration	1.0 mg/L



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

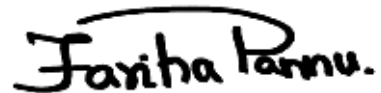
The Director appointed for the purposes of  
Part II.1 of the *Environmental Protection Act*  
Ministry of the Environment,  
Conservation and Parks  
135 St. Clair Avenue West, 1st Floor  
Toronto, Ontario  
M4V 1P5

**\* 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](http://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 30th day of August, 2023



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Fariha Pannu, P.Eng.

Director

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

KC/

c: District Manager, MECP Niagara District Office

Anne Egan, M.Sc.(Eng.), P.Eng., Manager, Onsite Wastewater, R.J. Burnside & Associates Limited