

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 9576-BYSRPS
Issue Date: May 27, 2022

1770888 Ontario Inc.
220 Carswell Street
Renfrew, Ontario
K7V 2G4

Site Location: Anywhere in Ontario

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:

pilot studies consisting of the installation and use of the coagulant (ClariPhos™ or equivalent), for the removal of total phosphorus at any municipal, private and/or industrial sewage treatment plant within Ontario;

including all other controls and appurtenances essential for the proper operation of the aforementioned sewage Works;

all in accordance with supporting documents listed in Schedule 'A'.

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

1. "Application" means the application for an environmental compliance approval submitted to the Ministry for approval by or on behalf of the Owner and dated February 23, 2021;
2. "Approval" means this environmental compliance approval, any schedules attached to it, and the Application;
3. "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;
4. "District Manager" means the District Manager of the local Ministry District / Area Office with jurisdiction over the site where the herein approved mobile sewage works are to be operated;
5. "EPA" means the *Environmental Protection Act*, R.S.O 1990, c.E.19 , as amended;
6. "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;

7. "Owner" means 1770888 Ontario Inc., and includes its successors and assignees;
8. "OWRA" means the *Ontario Water Resources Act, R.S.O. 1990, c. O.40* , as amended;
9. "Site" means the location where the mobile sewage works is to be deployed; and
10. "Works" means the sewage works described in the Owner's application, and this Approval.

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. Except as otherwise provided by these terms and conditions, the Owner shall install, operate and maintain the Works in accordance with this Approval.
3. Where there is a conflict between a provision of this environmental compliance approval and any document submitted by the Owner, the conditions in this environmental compliance approval shall take precedence. Where there is a conflict between one or more of the documents submitted by the Owner, the Application shall take precedence unless it is clear that the purpose of the document was to amend the Application.
4. Where there is a conflict between the documents listed in the Schedule A, 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 terms and conditions of this Approval are severable. If any term and condition of this environmental compliance approval, or the application of any requirement of this environmental compliance 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.
6. 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 the Environmental Compliance Approval for the existing sewage treatment plants where the Works are being operated;

- b. limit in any way the authority of the Ministry to require certain steps be taken to require the Owner to furnish any further information related to compliance with this Approval.

2. 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. B.17* ; and
 - d. change of name of the corporation where the Owner is or at any time becomes a corporation, and a copy of the “Initial Return” or “Notice of Change” filed under the *Corporations Information Act, R.S.O. 1990, c. C.39* , shall be included in the notification to the District Manager.
2. In the event of any change in ownership of the Works, 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.
3. The Owner shall ensure that all communications made pursuant to this condition refer to the number at the top of this environmental compliance approval.

3. OPERATION AND MAINTENANCE

1. The Owner shall make all necessary investigations, take all necessary steps and obtain all necessary approvals so as to ensure that the physical structure, siting and operations of the Works do not constitute a safety or health hazard to the general public.
2. The Owner shall ensure that any chemical or microbial organism used in the Works will not result in any visual, chemical or environmental impacts on the receiver.
3. The Owner shall ensure that at all times, the Works and related equipment and appurtenances which are installed or used to achieve compliance with this Approval are properly operated and maintained in accordance with manufacturer's specifications.
4. In furtherance of, but without limiting the generality of, the obligation imposed by condition 3.3, the Owner shall ensure that:
 - a. funding, staffing, training of staff, laboratory and process controls, quality assurance and quality control procedures of or in relation to the Works are adequate to achieve compliance

with this Approval; and

- b. equipment and material are kept on hand and in good repair for immediate use in the event of:
 - i. upset;
 - ii. bypass;
 - iii. abnormal loss of any product, by-product, intermediate product, oil, solvent, waste material or any other polluting substance into the environment or interior of any building; or
 - iv. spill within the meaning of Part X of the EPA.
 - c. and staff are trained in the use of said equipment and material and in the methods and procedures to be employed upon the occurrence of such an event.
5. The Owner shall prepare an operations manual of the Works prior to the commencement of the operation of the Works at any Site. The operations manual shall include, but not necessarily limited to, the following information:
- a. Treatment configuration proposed;
 - b. Operating procedures for routine operation of the Works;
 - c. Inspection programs, including frequency of inspection, for the Works and the methods or tests employed to detect when maintenance is necessary;
 - d. Repair and maintenance programs, including the frequency of repair and maintenance for the Works;
 - e. Contingency Plans and Procedures for dealing with upset, bypasses and any other abnormal situations, and for notifying the District Manager; and
 - f. Complaint procedures for receiving and responding to public complaints.
6. The Owner shall maintain the operations manual up to date through revisions undertaken from time to time and retain a copy at the location of the Works. Upon request, the Owner shall make the manual available for inspection and copying by Ministry personnel.
7. The Works are permitted for installation and use at any sewage treatment plant, provided:
1. all effluent from the Works is returned back to the sewage treatment plant at a point no further than **immediately** downstream of the location from where the side-stream is drawn;

2. the effluent from the Works returned to the sewage treatment plant does not significantly alter the composition/concentration of or add any new contaminant/inhibiting substances to the sewage to be treated in the downstream process;
3. the pilot studies will not have any negative impacts on the operation of the sewage treatment plant or cause a deterioration of effluent quality;
4. the pilot studies do not exceed a maximum of **two (2) years** and a notification of completion shall be submitted to the District Manager within one month of completion of the pilot project.

4. NOTIFICATION TO THE DISTRICT MANAGER

1. The Owner shall carry out the pre-deployment consultation with the District Manager of the Ministry's District Office where the mobile sewage Works are to be deployed.
2. The Owner shall provide operation commencement notification to the District Manager of the Ministry's District Office where the mobile sewage Works are to be deployed at least **fifteen (15) working days**, or other time period as specified by the District Manager, prior to commencing operation at any Site by submitting:
 - a. a copy of this Approval;
 - b. a site plan, indicating the intended location of the equipment relative to the onsite structures, inflow and discharge locations of the Works; and
 - c. operations manual of the Works.
3. The Owner shall retain a copy of this Approval at each Site at which the Works are in operation for inspection by the Ministry's staff.

5. MONITORING AND RECORDING

1. The Owner shall carry out the following monitoring program:
 1. All samples and measurements taken for the purposes 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 following sampling points, at the frequency specified, by means of the specified sample type and analyzed for each parameter listed and all results recorded:

Table 1 - Influent Monitoring - Into the Works	
Frequency	Weekly
Sample Type	Grab Sample
Parameter	Total Phosphorus

Table 2 - Effluent Monitoring - From the Works	
Frequency	Weekly
Sample Type	Grab Sample
Parameter	Total Phosphorus

3. 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" (January 1999), ISBN 0-7778-1880-9, as amended from time to time by more recently published editions; 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;

6. REPORTING

1. 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.
2. The Owner shall, upon request, make all manuals, plans, records, data, procedures and supporting documentation available to Ministry staff.
3. The Owner shall, upon completion of a pilot study at a Site, prepare and submit a performance report to the District Manager of the local District Office of the Ministry, no later than **ninety (90) working days** following the end of the pilot study. The report shall contain, but shall not be limited to, the following information in a format acceptable to the District Manager:
 - a. a summary and interpretation of all monitoring data including an overview of the success and adequacy of the Works;
 - b. a description of any operating problems encountered and corrective actions taken; and

c. any other information the District Manager requires from time to time.

7. RECORD KEEPING

1. 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, operation and maintenance activities required by this Approval.

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

1. Condition 1 is imposed to ensure that the Works are 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. Condition 1.6 is included to emphasize that the issuance of this Approval does not diminish any other statutory and regulatory obligations to which the Owner is subject in the construction, maintenance and operation of the Works. The condition also emphasizes the fact that this Approval doesn't limit the authority of the Ministry to require further information.
2. Condition 2 is included to ensure that the Ministry records are kept accurate and current with respect to 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.
3. Condition 3 are 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.
4. Condition 4 is included to ensure that the Ministry is notified when and where the Works shall be deployed to ensure that their operation does not lead to impairment of the local environment.
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, maintained and that the Works do not cause any impairment to the receiving watercourse.
6. Condition 6 is included to provide a performance record for future references and to ensure that the Ministry is made aware of problems as they arise, so that the Ministry can work with the Owner in resolving any problems in a timely manner.
7. Condition 7 is included to require that all records are retained for a sufficient time period to adequately evaluate the long-term operation and maintenance of the Works.

Schedule A

1. Application for Environmental Compliance Approval submitted by McIntosh Perry Consulting Engineers Ltd., received on February 23, 2021, for the proposed pilot study.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me, the Environmental Review 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 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:

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

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 Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.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 27th day of May, 2022



A handwritten signature in black ink that reads "A. Ahmed". The signature is written in a cursive style and is positioned above a solid horizontal line.

Aziz Ahmed, P.Eng.

Director

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

MO/

c: District Manager, MECP Ottawa District Office

Mark Priddle, McIntosh Perry Consulting Engineers Ltd.