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Ministry of the Environment, Conservation and Parks
Ministère de l'Environnement, de la Protection de la nature et des Parcs

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 4788-BHAK4N

Issue Date: January 10, 2020

2359497 Ontario Inc.
50 Helston Cres
Whitby, Ontario
L1M 2K3

Site Location: 1041 Gore Street
Selwyn Township, County of Peterborough
K0L 1H0

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:

the establishment of sewage works for the collection, transmission, treatment and disposal of process wastewater from the vehicle wash system with a rated capacity of 22,991 L/d and non-process impacted stormwater runoff from a total on-site catchment area of approximately 0.325 hectares discharging to the existing municipal storm sewer on Gore Street that eventually drains to Chemong Lake, located at the above noted location, consisting of the following:

Process Wastewater Treatment

one (1) existing sediment tank with a minimum capacity of 6,819 L, equipped with three (3) access risers fitted to grade with a watertight and lockable cover, receiving process wastewater from the car wash via gravity pipes and discharging effluent via a 100 mm diameter gravity pipe to the existing oil/grit separator described below;

one (1) existing oil/grit separator with a minimum capacity of 3,410 L, having an oil holding capacity of 2,885 L and a solids holding capacity of 525 L, discharging effluent via a 100 mm diameter gravity pipe to the existing storage tank described below;

one (1) existing storage tank with a minimum capacity of 6,819 L, discharging effluent to the proposed filter bag system at a maximum of 15,912 L/day (with maximum flows of 22,991 L/d during maintenance of the compact packaged treatment system) via one (1) demand-dosed effluent pump (Home Plumber model 602423 or Equivalent Equipment) rated at a maximum of 69 L/min at a total dynamic head of 6 m and to the existing compact packaged treatment system at a maximum of 7,079 L/d, as described below;

one (1) proposed filter bag system bypass conveying effluent from the existing storage tank directly to the proposed sand filter via a 100 mm gravity pipe;

one (1) existing compact packaged treatment system (ECOLIT 200-MF or Equivalent Equipment) rated at 288,000 L/d for the treatment of the process wastewater, discharging effluent back into the automatic touchless car wash process via the following:

- one (1) existing positive displacement pump (CAT model 3535 or Equivalent Equipment) rated at 136 L/min for the pumping of process wastewater and fresh ground water to wash vehicles in the automatic touchless car wash at a maximum of 17,755 L/day;
- two (2) existing positive displacement pumps (CAT model 310 or Equivalent Equipment) rated at 15 L/min for the pumping of process wastewater and fresh ground water to wash vehicles in each of the two (2) self serve car wash bays at a maximum of 5,236 L/day;

One (1) proposed filter bag system with one (1) 200 L tank equipped with one (1) 5 micron filter bag discharging to one (1) 200 L tank equipped with one (1) 1 micron filter bag, each manually changed at least once per month, discharging to the proposed sand filter described below;

one (1) proposed sand filter with a peak hourly flow rate of 3,000 L/h and a total surface area of 37.21 m², together with distribution piping and underdrain collection piping, discharging via a 100 mm gravity pipe to the existing municipal storm sewer on Gore Street;

Stormwater Management

One (1) existing dry pond located along the western property line of the site servicing the total catchment area of 0.325 ha, having a total storage volume of approximately 124 cubic metres and a total depth of approximately 1.0 m, with fencing and an emergency overflow weir at an elevation of 96.80 m, discharging via a control structure complete with a Hickenbottom outlet structure and a 50 mm diameter orifice at an elevation of 95.60 m for an allowable discharge flow rate of 0.005 cubic metre per second [100 year return storm event] to a 200 mm outlet pipe discharging to the proposed oil/grit separator described below;

One (1) proposed oil/grit separator rated at a maximum of 31 L/s with a minimum capacity of 423 L, having an oil holding capacity of 140 L and a solids holding capacity of 283 L, discharging effluent via a 200 mm diameter

gravity pipe to the existing municipal storm sewer on Gore Street that ultimately drains to Chemong Lake;

including erosion/sedimentation control measures during construction and all other pipes, controls and appurtenances essential for the proper operation of the aforementioned Works;

all in accordance with the submitted supporting documents listed in Schedule "A" forming part of this Approval.

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

1. "Approval" means this entire Approval document and any Schedules to it, including the application and Supporting Documentation;
2. "Bypass" means diversion of process wastewater around the bag filter system with the diverted sewage flows being returned to the sand filter upstream of the Final Effluent sampling point(s) and discharged via the approved effluent disposal facilities;
3. "District Manager" means the District Manager of the Peterborough District Office of the Ministry;
4. "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;
5. "EPA" means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended;
6. "Equivalent Equipment" means a substituted equipment or like-for-like equipment that meets the required quality and performance standards of a named equipment;
7. "Event" means an action or occurrence, at a given location within the Works that causes a Bypass. An Event ends when there is no recurrence of Bypass in the 12-hour period following the last Bypass;
8. "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;
9. "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;
10. "Owner" means 2359497 Ontario Inc., and their successors and assignees;

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

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

13. "Rated Capacity" means design daily sanitary sewage flow for which the Works are approved to handle;

14. "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 CONDITIONS

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 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 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. 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 Owner or operating authority, or both;
 - b. change of address of Owner or operating authority or address of new Owner or operating authority;
 - c. change of partners where the Owner or operating authority is or at any time becomes a partnership, and a copy of the most recent declaration filed under the *Partnerships Registration Act*;
 - d. change of name of the corporation where the Owner or operator is or at any time becomes a corporation, and a copy of the most current "Initial Notice or Notice of Change" (Form 1, 2 or 3 of O. Reg. 189, R.R.O. 1980, as amended from time to time), filed under the *Corporations Information Act*, 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 will refer to this Approval's number.

3. CHANGES IN PROCESSES OR PROCESS MATERIALS

1. The Owner shall give written notice to the District Manager of any plans to change the processes or process materials in the Owner's enterprise serviced by the Works where the change may significantly alter the quantity or quality of the influent to or effluent from the Works, and no such change(s) shall be made unless with the written concurrence of the District Manager and approval of the Director.

4. OPERATIONS MANUAL

1. The Owner shall prepare an operations manual prior to the commencement of operation of the sewage works, that includes, but not necessarily limited to, the following information:
 - a. operating procedures for routine operation of the Works;
 - 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. contingency plans and procedures for dealing with potential spill, bypasses and any other abnormal situations and for notifying the District Manager; and
 - e. complaint procedures for receiving and responding to public complaints.
2. 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 sewage works. Upon request, the Owner shall make the manual available for inspection and copying by Ministry personnel.

5. EFFLUENT OBJECTIVES

1. The Owner shall use best efforts to design, construct and operate the Works with the objective that the concentrations of the materials listed as effluent parameters in the effluent objectives table in **Schedule B** are not exceeded in the effluent from the Works.
2. As a further effluent objective, the Owner shall use best efforts to maintain the pH of the effluent from the Works within the range of 6.5 - 8.5, inclusive, at all times.
3. The Owner shall include in all reports submitted in accordance with Condition 9, a summary of the efforts made and results achieved under this Condition.

6. EFFLUENT LIMITS

1. The Owner shall design, construct and operate the Works such that the concentrations of the materials listed as effluent parameters 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. non-compliance with respect to a Concentration Limit is deemed to have occurred when any single (composite, grab) sample analyzed for a parameter named in Column 1 of the Effluent Limits Table listed in **Schedule B** is greater than the corresponding maximum concentration set out in Column 2 of the Effluent Limits Table listed in **Schedule B**;
 - b. non-compliance with respect to pH is deemed to have occurred when any single measurement is outside of the range of 6.5 to 8.5, inclusive, at all times.

7. EFFLUENT - VISUAL OBSERVATIONS

1. Notwithstanding any other condition in this Approval, the Owner shall ensure that the effluent from the Works is essentially free of floating and settleable solids and does not contain oil or any other substance in amounts sufficient to create a visible film, sheen or foam on the receiving waters.

8. EFFLUENT MONITORING AND RECORDING

1. The Owner shall, upon commencement of operation of the sewage works, carry out a monitoring program and 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 and analyzed at the sampling point(s), at the sampling frequencies and using the sample type specified for each parameter listed in the effluent monitoring table included in **Schedule C**:
3. The methods and protocols for sampling, analysis, toxicity testing, and recording shall conform, in order of precedence, to the methods and protocols specified in the following:
 - a. 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;
 - b. the publication "Standard Methods for the Examination of Water and Wastewater" (21st edition) as amended from time to time by more recently published editions; and
 - c. in respect of any parameters not mentioned in Paragraphs 3.a and 3.b of Condition 8, the written approval of the District Manager, which approval shall be obtained prior to sampling.
4. The measurement frequencies specified in subsection (1) in respect of any parameter are minimum requirements which may, after 24 months of monitoring in accordance with this Condition, be modified by the District Manager in writing from time to time.
5. The Owner shall determine the daily quantity of process wastewater discharged to the municipal storm sewer on Gore Street using the groundwater supply records and the Owner shall record the flowrate for the process wastewater effluent stream on each day of sampling.
6. The Owner shall retain for a minimum of three (3) years from the date of their

creation, all records and information related to or resulting from the monitoring activities required by this Approval.

9. **GROUNDWATER MONITORING AND RECORDING**

1. Groundwater Samples shall be collected from the groundwater supply well at the sampling frequency indicated, using the sample type specified and analyzed for each parameter listed in Groundwater Monitoring Table in the **Schedule C**.
2. The methods and protocols for sampling, analysis and recording shall conform to that outlined in Condition 8(3).
3. The owner shall measure and record the water level in each monitoring well and the groundwater supply well each time the well is sampled.
4. The measurement frequencies specified in subsection (1) in respect of any parameter are minimum requirements which may, after 24 months of monitoring in accordance with this Condition, be modified by the District Manager in writing from time to time.

10. **REPORTING**

1. One week prior to the start up of the operation of the 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 or designate, any exceedance of any parameter specified in Condition 6 orally, as soon as reasonably possible, and in writing within seven (7) days of the exceedance.
3. In addition to the obligations under Part X of the EPA, the Owner shall, within ten (10) working days of the occurrence of any reportable spill as defined in Ontario Regulation 675/98, bypass or loss of any product, by-product, intermediate product, oil, solvent, waste material or any other polluting substance into the environment, submit a full written report of the occurrence to the District Manager describing the cause and discovery of the spill or loss, clean-up and recovery measures taken, preventative measures to be taken and schedule of implementation.
4. The Owner shall prepare and submit a performance report to the District Manager on an annual basis within sixty (60) days following the end of the period being reported upon. The first such report shall cover the first annual period following the commencement of operation of the Works and subsequent reports shall be submitted to cover successive annual periods following thereafter. The reports shall contain, but shall not be limited to, the following information:
 - a. a summary and interpretation of all monitoring data as well as

- compare to the effluent limits outlined in Condition 6 with the related monitoring data, and include an overview of the success and adequacy of the sewage Works;
- b. a description of any operating problems encountered and corrective actions taken;
 - c. a summary of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of the sewage works;
 - d. a summary of any effluent quality assurance or control measures undertaken in the reporting period;
 - e. a summary of any complaints received during the reporting period and any steps taken to address the complaints;
 - f. a summary of all spills or abnormal discharge events including Bypass Events;
 - g. a summary of the calibration and maintenance carried out on all effluent monitoring equipment;
 - h. a description of efforts made and results achieved in meeting the Effluent Objectives of Condition 5;
 - i. any other information the District Manager requires from time to time.

11. CONSTRUCTION OF PROPOSED WORKS

12. The oil/grit separator servicing the dry pond in this Approval shall be constructed and installed and must commence operation within one (1) year of issuance of this Approval. In the event that the construction, installation and/or operation of any portion of the oil/grit separator 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).

13. 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.

14. BYPASSES

15.

Bypassing of the filter bag system directly to the sand filter is prohibited, except:

- a. an emergency Bypass when a mechanical or electrical failure causes a temporary reduction in the capacity of a treatment process or when an unforeseen flow condition exceeds the design capacity of a treatment process that is likely to result in property damage, equipment damage or treatment process upset, if a portion of the flow is not bypassed; and,
- b. a planned Bypass that is a direct and unavoidable result of a planned repair and maintenance procedure or other circumstance(s).

16. At the end of each Bypass Event, the Owner shall notify the District Manager within three (3) days of the Bypass Event. This notice shall include, at a minimum, the following information:

- a. the type of the Bypass as indicated in Paragraph 1 and the reason(s) for the Bypass;
- b. the date and time of the beginning of the Bypass Event;
- c. the reason(s) why the Bypass was not avoided;
- d. the date and time of the end of the Bypass Event; and
- e. the estimated or measured volume of Bypass.

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.
- 2.
3. 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.
- 4.
5. Condition 3 is included to ensure that the Owner continue to comply with the effluent criteria established for the sewage Works in the previous approval until such time as the Proposed Works are constructed and commissioned.
- 6.

7. Condition 4 is included to ensure that a comprehensive operations manual 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 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.
- 8.
9. Condition 5 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 and before the compliance limits of Condition 6 are exceeded.
- 10.
11. Conditions 6 and 7 are imposed to ensure that the effluent discharged from the Works to the subsurface meets the Ministry's effluent quality requirements thus minimizing environmental impact on the receiver.
- 12.
13. Condition 8 is included to require the Owner to demonstrate on a continual basis that the quality and quantity of the effluent from the approved works is consistent with the (design objectives and) effluent limits specified in the Approval and that the approved works does not cause any impairment to the receiving watercourse.
- 14.
15. Condition 8 and 9 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 the problems in a timely manner.
- 16.
17. Condition 10 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 the problems in a timely manner.
18. Condition 11 regarding construction of the oil/grit separator is included to ensure that the Works are constructed in a timely manner to ensure the ongoing protection of the environment.
19. Condition 12 regarding Bypasses is included to indicate that Bypass is prohibited, except in circumstances where the failure to Bypass could result in greater damage to the environment than the Bypass itself. The notification and documentation requirements allow the Ministry to take action in an informed

manner and will ensure the Owner is aware of the extent and frequency of Bypass Events.

Schedule A

1. Application for Environmental Compliance Approval submitted by Bruno Dobri, P.Eng, of Dobri Engineering Ltd. received at the Ministry on August 26, 2019 for the proposed Industrial Sewage Works, including final design report, final plans and specifications.
2. Supporting documents and design brief for the industrial process wastewater dated November 7, 2001, prepared by M.J. Davenport & Associates Ltd.
3. Supporting documents and design brief for the stormwater management works dated July 1, 2003, prepared by M.J. Davenport & Associates Ltd.

Schedule B

Effluent Objectives Table (Downstream of the sand filter)

Effluent Parameter	Concentration Objective (milligrams per litre unless otherwise indicated)
Total Suspended Solids	10
Total Phosphorous	0.1
Oil and Grease	10

Effluent Limits Table (Downstream of the sand filter)

Effluent Parameter	Concentration Limit (milligrams per litre unless otherwise indicated)
Total Suspended Solids	25
Total Phosphorous	0.25
Oil and Grease	15
Benzene	0.10
Ethylbenzene	0.008
Toluene	0.0008
Xylenes	M (0.002); O (0.04); P (0.03)

Schedule C

Effluent Monitoring Table

Sampling Location	Downstream of the sand filter, prior to the
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	municipal storm sewer
Frequency	Quarterly
Sample Type	Grab
Parameters	Total Suspended Solids Total Phosphorus Oil and Grease Benzene Ethylbenzene Toluene Xylenes pH Total Petroleum Hydrocarbons Chemical Oxygen Demand Chloride Iron Zinc Copper

Groundwater Monitoring Table

Sampling Location	Groundwater supply well
Frequency	Quarterly
Sample Type	Grab
Parameters	Total Phosphorus Chloride Iron Zinc Copper

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*		The Minister of the Environment,		The Director appointed for the purposes of
Environmental Review Tribunal		Conservation and Parks		Part II.1 of the Environmental Protection Act
655 Bay Street, Suite 1500	AND	777 Bay Street, 5th Floor	AND	Ministry of the Environment, Conservation
Toronto, Ontario		Toronto, Ontario		and Parks
M5G 1E5		M7A 2J3		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 10th day of January,
2020

Fariha Pannu, P.Eng.
Director
appointed for the purposes of Part
II.1 of the *Environmental
Protection Act*

NZ/
c: District Manager, MECP Peterborough
Bruno Dobri, Dobri Engineering Ltd.