

**ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER A-500-9087159133

Version: 1.0

Issue Date: March 12, 2021

*Pursuant to section 20.3 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 and subject to all other applicable Acts or regulations this Environmental Compliance Approval is issued to:*

WALINGA INC

RR 5 STN MAIN  
ONTARIO  
N1H6J2

*For the following site:*

5656 Highway 6  
Guelph, ONTARIO  
N1H 6J2

*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 sewage Works with a Rated Capacity of 20,000 L/day for collection, treatment and subsurface disposal system of domestic sewage to service the existing Walinga Inc. site, located at 5656 Highway 6 North, Guelph-Eramosa Township, Ontario, with the production of fully-assembled truck bodies and trailers primarily for the grain handling industry, and comprising of the following:

**Proposed Works****Anaerobic Digester Tanks**

Two (2) one-compartment precast concrete tanks (Anaerobic Digester Tanks No. 1 and No. 2), operated in series, each having a nominal capacity of 30,000 L, receiving sewage from the manufacturing plant (including the material processing building), offices, remote assembly plant, and truck loading building and recirculated flow from the Biofilter Tanks and discharging to Pump Tank No. 1;

**Pump Tank**

A one-compartment, precast concrete pump tank, having an nominal capacity of 15,900 L, receiving sewage flow from the Anaerobic Digester Tank No. 2 by gravity, equipped with level float switches, a high level alarm system, and two (2) effluent pumps, one for duty and one for standby, each rated at approximately 132 L/min at 13.4 m total dynamic head (TD H), to the Biofilter Tanks;

**Biofilter Tanks**

Three (3) one compartment precast concrete tanks, operating in parallel and inter connected with each other, having nominal volume of 22,700 L (Biofilter Tanks No. 1, 2 and 3), receiving flow from Pump Tank, each

tank equipped with a spray unit and two (2) baskets filled with approximately 8.8 m<sup>3</sup> of Biofilter media; Biofilter Tank No. 1 equipped with one (1) internal recirculation pump for the treated effluent recirculation to the inlet of Anaerobic Digester No. 2; two effluent pumps to pump the effluent to the Denitrification Tank;

### **Stage 1 Denitrification and Discharge Tank**

One (1) two-compartment precast concrete Stage 1 Denitrification and Discharge Tank having a nominal capacity of 29,500 L with the first compartment filled with approximately 20 m<sup>3</sup> denitrifying medium, flowing by gravity to the second compartment of the tank, equipped with a submersible internal recirculation pump discharging to the Stage 2 Denitrification Tank, and two (2) effluent pumps, one for duty and one for standby, discharging the treated effluent through a flow meter to the leaching bed;

### **Stage 2 Denitrification Tank**

One (1) single compartment precast concrete Stage 2 Denitrification Tank having a nominal capacity of 6,000 L, filled with approximately 6 m<sup>3</sup> denitrifying medium, draining by gravity back to the second compartment of the Stage 1 Denitrification and Discharge Tank, and;

### **Subsurface Sewage Disposal System (In-ground Type A Dispersal Bed)**

Subsurface disposal system designed as in-ground Type A Dispersal Bed, receiving the treated effluent from Stage 1 Denitrification and Discharge Tank, consisting of 39 runs and 10 m long 75mm diameter perforated distribution piping 1 m centre to centre, installed within 200 mm thick (minimum) stone layer of 400 m<sup>2</sup> (40m long x 10 m wide), placed on underlying 300 mm thick (minimum) layer of imported sand (T time of between 6 and 10 min/cm) with area of 1,250 m<sup>2</sup> (approximately 14.4 m wide x 87.4 m long);

All in accordance with the **Schedule 1**.

## **DEFINITIONS**

---

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

1. Approval means this entire document and any schedules attached to it, and the application.
2. 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
3. EPA means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended.
4. Grab sample is defined in Section 3.1.1 of the Ministry publication, "Protocol For the Sampling and Analysis of Industrial/Municipal Waste Water" dated January 2016, and as amended
5. District Manager means the District Manager of the appropriate local district office of the Ministry, where the site is geographically located.
6. mg/L means milligrams per Litre.
7. 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
8. Owner means Walinga Inc., and its successors and assignees.
9. OWRA means the Ontario Water Resources Act, R.S.O. 1990, c. O.40, as amended.
10. Professional Engineer means a person entitled to practice as a Professional Engineer in the Province of Ontario under a licence issued under the Professional Engineers Act.

11. Works means the sewage works described in the Owner's application, and in this Approval.

## **TERMS AND CONDITIONS**

---

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

### **1. GENERAL PROVISIONS**

1. The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Works is notified of this Approval and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.
2. Except as otherwise provided by these conditions, the Owner shall design, build, install, operate and maintain the Works in accordance with the description given in this Approval, and the application for approval of the Works.
3. Where there is a conflict between a provision of any document referred to in this Approval and the conditions of this Approval, the conditions in this Approval shall take precedence.

### **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. The Owner shall notify the District Manager, in writing, of any of the following changes within thirty (30) days of the change occurring:
  - a. change of address of Operating Agency;
  - b. change of Operating Agency, including address of new Operating Agency
3. 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.
4. 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. The Owner shall ensure that the Works are constructed such that minimum horizontal clearance distances as specified in the OBC are satisfied.
8. 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 or Registered Installer 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 2**.
  - b. Final Effluent 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 or sheen or foam or discolouration on the receiving waters.
  - c. Maximum Daily Effluent Flow is within the Rated Capacity of the Sewage Treatment Plant.

#### 5. COMPLIANCE LIMITS

1. The Owner shall design, construct, operate and maintain the Works such that the concentrations of the materials named as effluent parameters in the Effluent Limits Table in **Schedule 3** 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 CBOD5 & TSS named in Column 1 of Effluent Limits Table listed in **Schedule 3** shall not exceed the corresponding maximum concentration set out in Column 3 of Effluent Limits Table listed in **Schedule 3**.

- b. The annual average concentration of Nitrate Nitrogen named in Column 1 of Effluent Limits Table listed in **Schedule 3** shall not exceed the corresponding maximum concentration set out in Column 3 of Effluent Limits Table listed in **Schedule 3**.

## 6. MONITORING AND RECORDING

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

1. The 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 sampling point(s), at the sampling frequencies, or higher, and using the sample type specified for each parameter listed in the Effluent Monitoring Table included in **Schedule 4**.
3. The Owner shall employ measurement devices to accurately measure quantity of effluent being discharged to subsurface disposal system, 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 system.
4. The Owner shall ensure that flow of treated effluent discharged into the subsurface sewage system does not exceed 20,000 L/d.
5. 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 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. 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. 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 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/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, including procedures to minimize Bypasses and Overflows;
  - f. a spill prevention and contingency plan, consisting of procedures and contingency plans, including notification to the District Manager, to reduce the risk of spills of pollutants and prevent, eliminate or ameliorate any adverse effects that result or may result from spills of pollutants;
  - g. procedures for receiving, responding and recording public complaints, including recording any followup 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 maintain a logbook to record the results of all inspections, repair and maintenance undertaken, calibrations, monitoring and spill response or contingency measures undertaken and shall make the logbook available for inspection by Ministry staff. The logbook shall include the following:
  1. the name of the operator making the entry; and
  2. the date and results of each inspection, repair, maintenance, calibration, monitoring, spill response and contingency measure.
5. 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 or an authorized installer. The maintenance agreement must be retained at the site and kept current for the operational life of the Works.
6. The Owner shall ensure that the drainage operations in the subsurface disposal beds on the property are visually inspected on a monthly basis for break-outs, odours and excess grass growth, and results of the inspection are recorded in a log book.
7. The Owner shall ensure that grass-cutting is maintained regularly over all the subsurface disposal beds, and the drainage operations in all beds are visually observed on a monthly basis. In the event a break-out is observed from a subsurface disposal bed, the Owner shall ensure that the sewage discharge to the bed is discontinued and the incident immediately reported verbally to the District Manager, followed by a written report within one (1) week. The Owner shall ensure that during the time remedial actions are taking place the sewage generated at the site shall not be allowed to discharge to a surface water body or to the environment, and safely collected and disposed off through a licensed waste hauler to an approved waste disposal site.

8. The Owner shall ensure that adequate steps are taken to ensure that the area of the Works are protected from all forms of vehicle traffic.

## 8. 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. The Owner shall, within fifteen (15) days of occurrence of a spill within the meaning of Part X of the EPA, 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 schedule of implementation, in addition to fulfilling the requirements under the EPA and O. Reg. 675/98 "Classification and Exemption of Spills and Reporting of Discharges".
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 performance reports on a calendar year basis and submit to the District Manager 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 Influent monitoring data;
  - b. a summary and interpretation of all flow data and results achieved in not exceeding the maximum daily flow discharged into the subsurface disposal system;
  - c. a summary and interpretation of all Final Effluent monitoring data, including concentrations, flow rates, loading and a comparison to the design objectives and compliance limits in this Approval, including an overview of the success and adequacy of the Works;
  - d. a summary of any deviation from the monitoring schedule and reasons for the current reporting year and a schedule for the next reporting year;
  - e. a summary of all operating issues encountered and corrective actions taken;
  - f. 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;
  - g. a summary of any effluent quality assurance or control measures undertaken;
  - h. a summary of the calibration and maintenance carried out on all Influent, and Final Effluent monitoring equipment to ensure that the accuracy is within the tolerance of that equipment as required in this Approval or recommended by the manufacturer;
  - i. 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;
  - j. a summary of any complaints received and any steps taken to address the complaints;
  - k. a summary of all Bypasses, Overflows, other situations outside Normal Operating Conditions and spills within the meaning of Part X of EPA and abnormal discharge events;
  - l. 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;
  - m. any other information the District Manager requires from time to time.

## **REASONS**

---

*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 compliance limits is imposed to ensure that the Final Effluent discharged from the Works to the environment meets the Ministry's effluent quality requirements.
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 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.
8. Condition 8 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.

## **APPEAL PROVISIONS**

---



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

- 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*

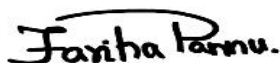
AND

*The 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 <https://olt.gov.on.ca/tribunals/ert/about-the-ert/>**

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

Dated at Toronto this 12th day of March, 2021



Fariha Pannu

Director

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

c: Taylor Roumeliotis, Ramboll Canada Inc.  
Butch Medemblik  
District Manager, MECP Guelph District

The following schedules are a part of this environmental compliance approval:

## **SCHEDULE 1**

---

Application for Environmental Compliance Approval submitted by Walinga Inc., dated April 20, 2020, including Environmental Study Report, design report, final plans and specifications.

## SCHEDULE 2

---

### Final Effluent Design Objectives

#### Concentration Objectives

<b>Final Effluent Parameter</b>	<b>Averaging Calculator</b>	<b>Objective</b> (milligrams per litre unless otherwise indicated)
CBOD5	Annual Average Effluent Concentration	10 mg/L
Total Suspended Solids	Annual Average Effluent Concentration	10 mg/L
Nitrate-Nitrogen	Annual Average Effluent Concentration	6.5 mg/L

## SCHEDULE 3

---

### Final Effluent Compliance Limits

#### Concentration Limits

<b>Effluent Parameter</b>	<b>Averaging Calculator</b>	<b>Limit</b> (maximum unless otherwise indicated)
CBOD5	Annual Average Effluent Concentration	15 mg/L
Total Suspended Solids	Annual Average Effluent Concentration	15 mg/L
Nitrate-Nitrogen	Annual Average Effluent Concentration	10 mg/L

## SCHEDULE 4

---

### Monitoring Program

#### Influent Monitoring

Influent sampling point - Outlet of Anaerobic Digester Tank #1

Parameters	Sample Type	Minimum Frequency
BOD5	Grab	Annually
Total Suspended Solids	Grab	Annually
Total Kjeldahl Nitrogen	Grab	Annually
Alkalinity	Grab	Annually
pH	Grab	Annually

#### Final Effluent Monitoring

Final Effluent sampling point - 2nd Compartment of the Stage 1 Denitrification and Discharge Tank

Parameters	Sample Type	Minimum Frequency
cBOD5	Grab	Quarterly*
Total Suspended Solids	Grab	Quarterly*
Nitrate-Nitrogen	Grab	Quarterly*
Alkalinity	Grab	Quarterly*
pH	Grab	Quarterly*

\* *Quarterly means once every three months.*