Ontario

Ministry of the Environment, Conservation and Parks

Ministère de l'Environnement, de la Protection de la nature et des Parcs

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER A-500-3338671444

Version: 1.0

Issue Date: October 6, 2026

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

R. W. TOMLINSON LIMITED

100 CITIGATE DR
NEPEAN ONTARIO
K2J6K7

For the following site:

Loyalist Quarry
6595 County Road 2
Loyalist (Odessa) ON, K0H 2H0

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 stormwater management and industrial process water Works as well as the modification of existing Works to facilitate operation of the Loyalist Quarry located at the above site address, for the collection, transmission treatment and disposal of stormwater runoff from approximately 23.0 hectares of the overall approximately 47.4 hectare licensed area as well as collection, transmission and disposal of approximately 14.35 hectares of external runoff, to provide enhanced level quality control for effluent discharging to Wilton Creek, as well establishment of sewage works for the collection, transmission, treatment and disposal of effluent of up to 2,566 Liters per minute from quarry dewatering operations and transmission, treatment and re-use of up to 4,550 litres per minute of aggregate wash water, consisting of the following Works:

Proposed Works:

- **Aggregate Wash Plant:** a wash water management facility designed to operate with no off-site discharge to surface water from the ponds during routine operations, consisting of overland piping and two (2) cells, Pond #1 (clear pond) and Pond #2 (settling pond) operating at a depth of approximately 1.0 metre, with makeup water provided by an on-site sump collecting surface runoff from the active quarry area, wash water is proposed to be recycled at a rate of approximately 4,550 Liters per minute taken from the clear pond with an approximate surface area of 2,000 square meters and returned to the settling pond with an approximate surface area of 4,000 square meters, with both cells surrounded by an approximately 2.5 meter berm and interconnected by an approximately 5 meter wide flow passage.
- **Interim Quarry Pond:** one (1) pumping sump measuring approximately 6 metres wide, 6 metres long and 3 metres deep, initially located in the northwest portion of the quarry but periodically relocated in the quarry floor as extraction operations progress, equipped with a submersible pump operating at up to 2,566 Liters per minute, discharging via an approximately 190 meters long drainage ditch to the existing sedimentation pond described below;

Existing Works to be modified:

- **Stormwater Management Pond (catchment area 37.35 hectares):** One (1) wet pond “Sediment Pond A” located along the north-west property boundary, consisting of three (3) cells separated by two (2) internal berms complete with equalization culverts, receiving discharge from the quarry pond described above, providing a permanent pool volume of approximately 4,300 cubic meters, an extended detention volume of approximately 2,875 cubic metres and a total active storage volume of approximately 3,500 cubic metres, to be modified with one (1) 200 millimetre diameter reversed slope outlet pipe equipped with 166 millimetre diameter orifice plate, complete with overflow catch basin equipped with 230 millimetre diameter orifice plate to discharge up to approximately 43 litres per second via 450 millimetre diameter outlet pipe towards Wilton Creek during active dewatering of the interim quarry pond.

including erosion/sedimentation control measures and all other appurtenances essential for the proper operation of the aforementioned Works.

all in accordance with supporting documents listed in Schedule 1.

DEFINITIONS

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

1. "Approval" means this entire Environmental Compliance Approval and any Schedules attached to it;
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. "District Manager" means the District Manager of the appropriate local District Office of the Ministry, where the Works are geographically located;
4. "EPA" means the *Environmental Protection Act*, R.S.O. 1990, c.E.19, as amended;
5. "Existing Works" means those portions of the Works included in the Approval that have been constructed previously;
6. "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;
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 R.W. Tomlinson Limited and its successors and assignees;
9. "OWRA" means the *Ontario Water Resources Act*, R.S.O. 1990, c. O.40, as amended;
10. "Proposed Works" means those portions of the Works included in the Approval that are under construction or to be constructed;
11. “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;
12. "Works" means the approved sewage works, and includes Proposed Works and Existing Works.

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 terms and conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

    2. The Owner shall design, construct, operate and maintain the Works in accordance with the conditions of this Approval.

3. Where there is a conflict between a provision of any document referred to in this Approval and the conditions of this Approval, the conditions in this Approval shall take precedence.

4. The issuance of, and compliance with the conditions of, this Approval does not: (if needed)

    a. relieve any person of any obligation to comply with any provision of any applicable statute, regulation or other legal requirement, including, but not limited to, the obligation to obtain approval from the local conservation authority necessary to construct or operate the Works; or

    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. **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.

2. In the event that completion and commissioning of any portion of the Works is anticipated to be more than five (5) years, the Owner shall submit an application for extension at least **twelve (12) months** prior to the end of the five (5) years from the day of issuance of this Approval. The application shall include the reason(s) for the delay, whether there is any design change(s) and a review of whether the standards applicable at the time of Approval of the Works are still applicable at the time of request for extension, to ensure the ongoing protection of the environment.

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. B.17shall be included in the notification; or

d. change of name of the corporation, and a copy of the most current information filed under the *Corporations Information 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, 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. Upon the construction of the Works, the Owner shall prepare a statement, certified by a Licensed Engineering Practitioner, that the Works are constructed in accordance with this Approval, and upon request, shall make the written statement available for inspection by Ministry personnel.

2. Within **one (1) year** of the construction of the Proposed Works, a set of as-built drawings showing the Works "as constructed" shall be prepared. These drawings shall be kept up to date through revisions undertaken from time to time and a copy shall be retained at the Works for the operational life of the Works.

5. **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, health or flooding hazard to the general public.

2. Notwithstanding any other condition in this Approval, the Owner shall ensure that the effluent from the Works shall not cause flooding or erosion on the receiving watercourses.

3. The Owner shall undertake an inspection of the condition of the Works, at least once a year, and undertake any necessary cleaning and maintenance to ensure that sediment, debris and excessive decaying vegetation are removed from the Works to prevent the excessive build-up of sediment, oil/grit, debris and/or decaying vegetation, to avoid reduction of the capacity and/or permeability of the Works, as applicable. The Owner shall also regularly inspect and clean out the inlet to and

outlet from the Works to ensure that these are not obstructed.

4. The Owner shall ensure the immediate clean-out of the Works after a fuel or oil spill capture.

5. During the period when aggregate washing is occurring, the Owner shall undertake monthly visual inspections of the Works for potential spills, structural integrity of the perimeter containment berms and accumulation of sediment in the Works and undertake corrective measures, if necessary, to ensure continued suspended solids removal performance of the Works, with results recorded in a log book.

6. The Owner shall periodically visually monitor the amount of sediment accumulating in the wash plant sedimentation ponds to ensure continued suspended solids removal performance of the sedimentation pond, with results recorded in a log book. No sediment shall be used on Site for rehabilitation without complying with all applicable laws in place at the time of reuse.

7. The Owner shall ensure that equipment and material for the containment, clean-up and disposal of fuel and oil and materials contaminated with such, is on hand and in good repair for immediate use in the event of:

    a. loss of fuel or oil to the Works; or

    b. a spill within the meaning of Part X of the EPA.

8. The Owner shall prepare an operations manual prior to the commencement of operation of the Works that includes, but is not necessarily limited to, the following information:

    a. operating and maintenance 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 abnormal situations and for notifying the District Manager; and

e. procedures for receiving, responding and recording public complaints, including recording any follow-up actions taken.

9. 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.

10. The Owner shall maintain a logbook to record the results of these inspections and any cleaning and maintenance operations undertaken, and shall keep the logbook at the Works for inspection by the Ministry. The logbook shall include the following:

    a. the name of the Works;

    b. the date and results of each inspection, maintenance and cleaning, including an estimate of the quantity of any materials removed and method of clean-out of the Works; and

    c. the date of each spill within the catchment area, including follow-up actions and remedial measures undertaken.

11. 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 operation and maintenance activities required by this Approval.

6. **TEMPORARY EROSION AND SEDIMENT CONTROL**

1. The Owner shall install and maintain temporary sediment and erosion control measures during construction and conduct inspections **once every two (2) weeks** and after each significant storm event (a significant storm event is defined as a minimum of 25 millimetres of rain in any 24 hours period). The inspections and maintenance of the temporary sediment and erosion control measures shall continue until they are no longer required and at which time they shall be removed and all disturbed areas reinstated properly.

2. The Owner shall maintain records of inspections and maintenance which shall be made available for inspection by the Ministry, upon request. The record shall include the name of the inspector, date of inspection, and the remedial measures, if any, undertaken to maintain the temporary sediment and erosion control measures.

7. **EFFLUENT OBJECTIVES**

1. The Owner shall design and undertake everything practicable to operate the Works in accordance with the following objectives:

    a. 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 or sheen or foam or discolouration on the receiving waters.

2. In the event of an exceedance of the objective set out in subsection 1, the Owner shall:

    a. notify the District Manager as soon as possible during normal working hours;

    b. take immediate action to identify the source of contamination; and

    c. take immediate action to prevent further exceedance.

8. **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 2** are not exceeded in the effluent from the Works.

9. **EFFLUENT MONITORING**

1. The Owner shall, upon commencement of operation of the 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 following sampling point(s), at the sampling frequencies and using the sample type specified for each parameter listed in the effluent monitoring table in **Schedule 2.**

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 Version 2.0" (January 2016), PIBS 2724e02, as amended;

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;

c. for any parameters not mentioned in the documents referenced in Paragraphs 3.a and 3.b, the written approval of the District Manager shall be obtained prior to sampling.

4. The measurement frequencies specified in the effluent monitoring table in **Schedule 2** in respect of any parameter are minimum requirements which may, after **24 months** of monitoring in accordance with this Condition, be modified by the Director in writing from time to time.

5. The Owner shall install and maintain a flow measuring device(s), to measure the peak discharge rate towards the sedimentation pond on a daily basis during the operational period, with an accuracy to within plus or minus 15 per cent (+/- 15%) of the actual flowrate for the entire design range of the flow measuring device(s).

6. Temperature and pH shall be measured and recorded in the field at the time of sampling. The concentration of un-ionized ammonia shall be calculated using the total ammonia concentration, pH and temperature using the methodology stipulated in"Ontario's Provincial Water Quality Objectives" dated July 1994, as amended, for ammonia (un-ionized).

7. Should monitoring results exceed the effluent limits for Total Suspended Solids outlined in schedule 2 for more than three (3) times in any given 12 month rolling period, and if it is determined through investigation that resuspension is the cause, a low-permeability liner, such as a 600 mm thick compacted clay liner with a hydraulic conductivity less than 1×10^{-7} m/s shall be installed to limit seepage and prevent resuspension of sediments due to groundwater intrusion.

8. 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.

10. **REPORTING**

1. **One (1) 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 orally **as soon as possible** any non-compliance with the compliance limits, and in writing **within seven (7) days** of non-compliance.

3. The Owner shall, upon request, make all reports, manuals, plans, records, data, procedures and supporting documentation available to Ministry staff.

4. 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.

5. 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 monitoring data and a comparison to the effluent limits outlined in Condition 8, including an overview of the success and adequacy of the 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 Works, including an estimate of the quantity of any materials removed from the Works;

    d. a summary of the calibration and maintenance carried out on all effluent monitoring equipment;

e. a summary of any effluent quality assurance or control measures undertaken in the reporting period;

f. a description of efforts made and results achieved in meeting the Effluent Objectives of Condition 7.

g. a summary of any complaints received during the reporting period and any steps taken to address the complaints;

h. a summary of all spill or abnormal discharge events; and

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

11. **SPILL CONTINGENCY PLAN**

1. No later than **four (4) weeks** prior to commencement of operation of the Works, the Owner shall implement a spill contingency plan - that is a set of procedures describing how to mitigate the impacts of a spill within the area serviced by the Works. The Owner shall, upon request, make this plan available to Ministry staff. This plan shall include as a minimum:

   a. the name, job title and location (address) of the Owner, person in charge, management or person(s) in control of the facility;

   b. the name, job title and 24-hour telephone number of the person(s) responsible for activating the spill contingency plan;

   c. a site plan drawn to scale showing the facility, nearby buildings, streets, catch-basins and manholes, drainage patterns (including direction(s) of flow in storm sewers), any receiving body(ies) of water that could potentially be significantly impacted by a spill and any features which need to be taken into account in terms of potential impacts on access and response (including physical obstructions and location of response and clean-up equipment);

   d. steps to be taken to report, contain, clean up and dispose of contaminants following a spill;

   e. a listing of telephone numbers for: local clean-up company(ies) who may be called upon to assist in responding to spills; local emergency responders including health institution(s); and Ministry Spills Action Centre 1-800-268-6060;

f. Safety Data Sheets (SDS) for each hazardous material which may be transported or stored within the area serviced by the Works;

g. the means (internal corporate procedures) by which the spill contingency plan is activated;

h. a description of the spill response training provided to employees assigned to work in the area serviced by the Works, the date(s) on which the training was provided and by whom;

i. an inventory of response and clean-up equipment available to implement the spill contingency plan, location and, date of maintenance/replacement if warranted; and

j. the date on which the contingency plan was prepared and subsequently, amended.

2. The spill contingency plan shall be kept in a conspicuous, readily accessible location on-site.

3. The spill contingency plan shall be amended from time to time as required by changes in the operation of the facility.

REASONS

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

1. Condition 1 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. 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 1.4 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 specifically highlights the need to obtain any necessary conservation authority approvals. 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, 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 in accordance with the approval and that record drawings of the Works “as constructed” are maintained for future references.
5. Condition 5 is included as regular inspection and necessary removal of sediment and excessive decaying vegetation from the Works are required to mitigate the impact of sediment, debris and/or decaying vegetation on the treatment capacity of the Works. The Condition also ensures that adequate storage is maintained in the Works at all times as required by the design. Furthermore, this Condition is included to ensure that the Works are operated and maintained to function as designed.
6. Condition 6 is included as installation, regular inspection and maintenance of the temporary sediment and erosion control measures is required to mitigate the impact on the downstream receiving watercourse during construction until they are no longer required.
7. Condition 7 is imposed to establish non-enforceable effluent quality objectives which the Owner is obligated to use best efforts to meet on an ongoing basis. Also imposed are procedures to be followed to minimize environmental impact in the event the objectives are exceeded.
8. Condition 8 is imposed to ensure that the effluent discharged from the Works meets the Ministry's effluent quality requirements, as specified, on a continuous basis, thus minimizing environmental impact on the receiver.
9. Condition 9 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 and effluent objectives specified in the Approval and that the approved Works does not cause any impairment to the receiving watercourse.
10. Condition 10 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.
11. Condition 11 is included to ensure that the Owner will implement the Spill Contingency Plan, such that the environment is protected and deterioration, loss, injury or damage to any person(s) or property is prevented.

APPEAL PROVISIONS

In accordance with Section 139 of the *Environmental Protection Act*, you may by written notice served upon me and the Ontario Land Tribunal, within 15 days after the service of this notice, require a hearing by the Tribunal. You must also provide notice to, the Minister of the Environment, Conservation and Parks in accordance with Section 47 of the *Environmental Bill of Rights*, 1993 who 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 Notice") shall state:

1. 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;
2. 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 40 St. Clair Avenue West, 2nd Floor Toronto, Ontario M4V 1M2

*** 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 Ontario Land Tribunal's

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 Environmental Registry of Ontario, 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 6th day of October, 2026



Fariha Pannu

Director

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

c: Rob Pierce, R. W. TOMLINSON LIMITED

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

SCHEDULE 1

1. Environmental Compliance Approval Application for Industrial Sewage Works submitted by R. W. Tomlinson Limited dated and received on March 11, 2025, and all supporting documentation and information.
2. Stormwater Management Report “Loyalist Quarry, 6595 County Road 2”, dated June 2, 2025 and revised August 9, 2026 including calculations and engineering drawings, prepared by FOREFRONT Engineering Inc.

SCHEDULE 2

Effluent Limits Table

(Measured at the Sediment Pond A discharge point)

Final Effluent Parameter	Averaging Calculator	Concentration Limit (milligrams per litre unless otherwise indicated)
Total Suspended Solids	Single Sample Result	25 mg/L
Oil and Grease	Single Sample Result	15 mg/L
pH	Single Sample Result	6.0 - 9.5 inclusive

Effluent Monitoring Table
(Measured at the Sediment Pond A discharge point)

Frequency	Once each month during periods of active effluent discharge
Sample Type	Grab
Parameters	TSS, Oil and Grease, Total Phosphorus, Total Ammonia Nitrogen (TAN), Nitrate, Nitrite, Temperature (field), and pH (field). Un-ionized ammonia concentrations should be calculated for each sample result.