

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 1792-DSAHJD
Issue Date: May 29, 2026

M.A.Q. Aggregates Inc.
78 Country Club Rd
King, Ontario
L7B 1M4

Site Location: Hewitt Quarry
2434 Brennan Line
Township of Severn, County of Simcoe
L3V 6H3

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:

sewage treatment system to service Phase 1 and 2 of the Hewitt Quarry works for the collection, transmission, treatment and disposal of groundwater and surface water runoff from an area of 31.2 ha, accumulating within the confines of the quarry through the use of a settling pond, discharging to a tributary of the North River, consisting of the following:

- one (1) dewatering sump, serving Phase 1 and located within Phase 1 area, with an approximate initial size of 10 x 10 m periodically adjusted within Phase 1 area as extraction operations progress, equipped with pumping equipment with a maximum rate of 80 L/sec, discharging to the settling pond via a 150 mm diameter piping;
- one (1) dewatering sump, serving Phase 2a and 2b and located within Phase 2 area, with an approximate initial size of 30 x 30 m periodically adjusted within Phase 2 area as extraction operations progress, equipped with pumping equipment with a maximum rate of 80 L/sec, discharging to the settling pond via a 150 mm diameter piping;
- one (1) wash pond, serving Phase 1 and 2, with a minimum available volume of 6,480 m³, designed as a closed loop system to support washing operations, to be located within the Phase 2a area and to be periodically relocated within the quarry Phase 2 area, and equipped with an emergency discharge to the settling pond via a 150 mm diameter piping;

- one (1) settling pond, with a minimum storage volume of 6,760 m³ at an elevation of 224.70 m and a maximum storage volume of 8,840 m³ at an elevation of 225.0 m, serving Phase 1 and 2 areas, including a forebay berm and two filtration berms, and a 3.0 m wide emergency spillway, discharging to the southern watercourse, which drains towards the North River after a distance of approximately 2 km off site;
- one (1) additional quantity control storage volume (if necessary), estimated in 7,200 m³ for Phase 2b, adjusted as extraction operations progress and located within Phase 2a area;
- one (1) 250 mm diameter low flow control orifice outflow controlling the settling pond discharge, equipped with a hickenbottom outlet that consist of a perforated riser pipe with a 600 mm diameter outlet pipe, and a secondary orifice of 450 mm diameter to be used if pond elevations exceed 224.70 m;
- one (1) rip rap lined overflow spillway to convey flows that exceed the capacity of the low flow outlet;
- establishment of a 30 m environmental buffer area to be maintained on either side of the tributary watercourses (intermittent watercourse #1, #2 and #3); and

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

all in accordance with the supporting documents listed in **Schedule A**.

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. "Director" means a person appointed by the Minister pursuant to Section 5 of Part I of the EPA for the purposes of Part II.1 of the EPA
3. "District Manager" means the District Manager of the Barrie District Office of the Ministry;
4. "EPA" means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended;
5. "Grab sample" means a volume of effluent of at least 100 millilitres which is collected over a period not exceeding fifteen minutes and immediately transferred to an appropriate laboratory sample container;
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 MAQ Aggregates 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. "Supporting Documentation" means the documents listed in Schedule A of this Approval; and
10. "Works" means the sewage works described in the Owner's application, this approval and in the supporting documentation referred to herein, to the extent approved by 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. The Owner shall design, construct, operate and maintain the Works in accordance with the conditions of this Approval.
3. Where there is a conflict between a provision of any document referred to in this Approval and the conditions of this Approval, the conditions in this Approval shall take precedence.

2. CHANGE OF OWNER

1. The Owner shall notify the District Manager and the Director, in writing, of any of the following changes within **thirty (30) days** of the change occurring:
 - a. change of address of Owner;
 - b. change of Owner, including address of new owner;
 - c. change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the *Business Names Act*, R.S.O. 1990, c.B17 shall be included in the notification to the District Manager;
 - d. change of name of the corporation and a copy of the most current information filed under the *Corporations Informations Act*, R.S.O. 1990, c. C39 shall be included in the notification to the District Manager;
2. In the event of any change in ownership of the Works, other than a change to a successor municipality, the Owner shall notify in writing the succeeding owner of the existence of this Approval, and a copy of such notice shall be forwarded to the District Manager and the Director.
3. The Owner shall ensure that all communications made pursuant to this condition refer to the number

of this Approval.

3. OPERATION AND MAINTENANCE

1. The Owner shall periodically measure the amount of sediment accumulating in the settling ponds and remove the sediment, if necessary, to ensure continued suspended solids removal performance of the channels.
2. The Owner shall record, in a log book, the day measurement of sediment was undertaken, the amount of sediment measured, if sediment removal was undertaken and where any removed sediment was disposed.
3. The log book shall be retained at the site and be made available for Ministry inspection upon request.
4. The Owner shall prepare an operations manual that includes, but not necessarily limited to, the following information:
 - a. operating procedures for routine operation of the Works, including reduction or termination of discharge during major rain events, if necessary;
 - b. inspection programs, including frequency of inspection for the works and the methods or tests employed to detect when maintenance is necessary, as well as downstream receiver inspections for the occurrence of erosion and flooding;
 - 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.
5. 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.

4. 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.

5. COMPLIANCE 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 the Total Suspended Solids concentration limit is deemed to have occurred when any single sample (along with a follow-up confirmation sample collected within **seven (7) days** of the receipt of the original sample result that indicated that an exceedance had occurred) analyzed for Total Suspended Solids is greater than the corresponding maximum concentration set out in Column 2 of the Effluent Limits Table 1 in **Schedule B**.
 - b. non-compliance with respect to an Average Concentration Limit for Boron is deemed to have occurred when the arithmetic mean concentration of all monthly samples taken in a quarter analyzed for boron is greater than the corresponding maximum concentration set out in Column 2 of the Effluent Limits Table 1 in **Schedule B**.

6. EFFLUENT OBJECTIVES

1. The Owner shall design and undertake everything practicable to operate the Works in accordance with the following objectives:
 - a. Effluent parameters design objectives listed in Table 2 in **Schedule B**.

7. MONITORING AND RECORDING

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** and **surface water** over the time period being monitored.
2. Samples shall be collected at the sampling locations, at the sampling frequencies and using the sample type specified for each parameter listed in the **Surface Water and Effluent Monitoring Table 3** included in **Schedule B**.
 - a. Definitions for frequency:
 - i. Monthly means once every month
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.
4. The Owner shall measure, record and calculate the flowrate from the intermittent **watercourse #1, 2 and 3** at the time of each sampling.
 5. The Owner shall establish a precipitation monitoring station on the site and monitor and record all precipitation events during the operation season of the Works.
 6. The sampling for Total Suspended Solids shall include at least one sample collected during the spring freshet and one sample collected during a major summer storm, each year.
 7. The measurement frequencies and the analytical parameters specified in subsections (2), in respect of any parameter are minimum requirements which may, in accordance with this Condition, be modified by the District Manager in writing from time to time.
 8. The Owner shall conduct several flow calibrations with measured flow data from the settling pond effluent to verify the low flow orifice calculations. A calibration report should be submitted to the District Manager one week prior to the start up of the operation of the works and any time when maintenance works require to modify and/or replace the low flow control orifice outflow.
 9. A calibration process will not be necessary if the Owner install a continuous flow measuring device to measure the flowrate of the effluent from the settling pond. Noting that the measuring device shall have an accuracy to within plus or minus 15 per cent of the actual flowrate for the entire design range of the flow measuring device and the Owner shall measure, record and calculate the flowrate for each effluent stream on each day of sampling.
 10. The Owner shall retain for a minimum of **five (5) years** from the date of their creation, all records and information related to or resulting from the monitoring activities required by this Approval.

8. REPORTING

1. The Owner shall report to the District Manager or designate, of any exceedence of any parameter specified in Conditions 4, 5 and 6 orally, as soon as reasonably possible, and in writing within **ten (10) days** of the exceedence, as defined in Condition 5(2).
2. 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.
3. The Owner shall prepare and submit a performance report, on an annual basis, within **ninety (90) days** following the end of each operational season to the District Manager. The reports shall contain, but shall not be limited to, the following information:
 - a. a summary and interpretation of all monitoring data collected pursuant to Condition 7 and a comparison to the Compliance Limits outlined in Condition 5 and the Effluent Objectives outlined in Condition 6 and the Provincial Water Quality Objective and/or Ontario Drinking Water Objective for the monitored parameter, including 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 any effluent quality control measures undertaken in the reporting period; and
 - d. a summary of the calibration & maintenance carried out on all effluent monitoring equipment.

Schedule A

1. Environmental Compliance Approval Application for Industrial Sewage Works submitted by John Gore, P.Eng., Tatham Engineering Limited, dated January 15, 2026, and signed by Charles Biehn, President, M.A.Q. Aggregates Inc., and all supporting documentation;
2. Application for Approval of Municipal and Private Sewage Works submitted by Quinn M. Moyer, President of MAQ Aggregates, dated February 12, 2008.
3. Township of Severn, Hewitt Quarry, Surface Water Management Report, prepared by C.C. Tatham & Associates Ltd., dated February 2008.
4. Letter from Dan Hurley, P.Eng., of C.C. Tatham & Associates Ltd., to Edgardo Tovilla, P.Eng.

of the MOE, dated November 18, 2008, with pre-consultation meeting results.

5. Hydrogeological Assessment Numerical Modelling Report, Hewitt Quarry, prepared by Azimuth Environmental Consulting, Inc., dated March 2005.
6. Letter from Dan Hurley, P.Eng., of C.C. Tatham & Associates Ltd., to Edgardo Tovilla, P.Eng. of the MOE, dated December 19, 2008, with responses to MOE letter dated December 3, 2008.
7. Township of Severn, Hewitt Quarry, Surface Water Management Report, prepared by C.C. Tatham & Associates Ltd., Revised December 2008.
8. Permit To Take Water, Ground Water # 6533-7BJS3N, dated February 22, 2008.
9. Email from Dan Hurley, P.Eng., of C.C. Tatham & Associates Ltd., to Edgardo Tovilla, P.Eng. of the MOE, dated January 16, 2008, with final comments to the draft CofA.

Schedule B

Table 1 Compliance Limits

(at outlet of the Settling Pond)

Effluent Parameter	Effluent Concentration Limit (milligrams per litre unless otherwise indicated)
Total Suspended Solids (TSS)	25*
Boron	1.5**

Note: *Single sample concentration, **Average concentration of all monthly samples taken in a quarter (3 months).

Table 2 Effluent Objectives

(at Station R3)

Effluent Parameter	Effluent Concentration Objectives (milligrams per litre unless otherwise indicated)
Boron	0.2*
Iron	0.3*

Note: *Single sample concentration

Table 3 Surface Water and Effluent Monitoring

Sampling Location	At Settling Pond Effluent before its discharge to the southern watercourse; At Station R3 where discharge from the settling pond ultimately leaves the site overland
Frequency	Monthly during periods of effluent discharge
Sample Type	Grab
Parameters	Total Suspended Solids (TSS), Boron, Iron, Oil and grease, Nitrites, Nitrates, Total Ammonia, pH (field), Temperature (field), Total Phosphorus, Total Petroleum Hydrocarbons, Conductivity(field), Chloride, Sulphate, Sodium, Potassium, Aluminum, Cadmium, Total Chromium, Cobalt, Copper, Lead, Nickel, Silicon, Silver, Zinc, Alkalinity, 5-Day Biochemical Oxygen Demand, Total Dissolved Solids, Dissolved Organic Carbon, Phenols (4AAP), Hardness, Carbonate, Bicarbonate, Turbidity, Chemical Oxygen Demand, Dissolved Oxygen(field) and Dissolved Inorganic Carbon.

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

1. Condition 1 (General Provisions) is imposed to ensure that the Works are built and operated in the manner in which they were described for review and upon which approval was granted. This condition is also included to emphasize the precedence of Conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review. The condition also advises the Owners their responsibility to notify any person they authorized to carry out work pursuant to this Approval the existence of this Approval.
2. Condition 2 (Change of Owner) 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.
3. Condition 3 (Operation and Maintenance) is imposed to ensure that accumulated sediment in the settling ponds are properly measured and periodically removed to maintain sediment removal performance of the settling ponds. Condition 3 is also 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.
4. Condition 4 (Effluent - Visual Observations) and Condition 5 (Compliance Limits) is imposed to ensure that the effluent discharged from the Works to the tributary to then North River meets the Ministry's effluent quality requirements, as specified, on a continuous basis, thus minimizing environmental impact on the receiver.
5. Condition 6 (Effluent Objectives) 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 5 are exceeded.
6. Condition 7 (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 specified in the Approval and that the Works does not cause any impairment to the receiving watercourse.
7. Condition 8 (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 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.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 0309-9SGMS5 issued on January 13, 2015.

In accordance with Section 139 of the *Environmental Protection Act*, you may by written notice served upon me, the Ontario Land Tribunal and in accordance with Section 47 of the *Environmental Bill of Rights*, 1993, the Minister of the Environment, Conservation and Parks, within 15 days after receipt of this notice, require a hearing by the Tribunal. The Minister of the Environment, Conservation and Parks will place notice of your appeal on the Environmental Registry. Section 142 of the *Environmental Protection Act* provides that the notice requiring the hearing ("the Notice") 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.

Pursuant to subsection 139(3) of the *Environmental Protection Act*, a hearing may not be available with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.

The Notice should also include:

1. The name of the appellant;
2. The address of the appellant;
3. The environmental compliance approval number;
4. The date of the environmental compliance approval;
5. The name of the Director, and;
6. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

Registrar*
Ontario Land Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5
OLT.Registrar@ontario.ca

and

The Minister of the Environment,
Conservation and Parks
777 Bay Street, 5th Floor
Toronto, Ontario
M7A 2J3

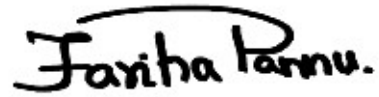
and

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

*** Further information on the Ontario Land Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349 or 1 (866) 448-2248, or www.olt.gov.on.ca**

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 29th day of May, 2026



Fariha Pannu, P.Eng.

Director

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

YK/

c: District Manager, MECP Barrie
John Gore, Tatham Engineering Limited