

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 6114-DHGPKP
Issue Date: August 19, 2025

Red Rock Mill Development Inc.
1 Baker Road
Red Rock, Ontario
P0T 2P0

Site Location: Lot 2, Concession 1
Township of Red Rock, District of Thunder Bay

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:

amendment of the Existing sewage works approval to represent the current site conditions and operation, designed for the collection, transmission, treatment, operation and disposal of stormwater run off and landfill leachate with an Average Daily Flow of approximately 1,350 m³/day and Maximum Daily Flow of approximately 30,000 m³/day discharging to Nipigon Bay, serving a closed pulp and paper mill manufacturing facility, including an onsite landfill, all located at a 135.93 ha site located at Baker Road, Township Red Rock, Ontario, comprising;

EXISTING WORKS

Outlet 1 - Existing outfall via the Effluent Discharge Ditch to Nipigon Bay

● **Spill Basin**

One (1) spill basin, having 76 m diameter, with a storage volume of 7,500 m³, located north of the Waste Stabilization Basin receiving wastewater from stormwater runoff, landfill leachate and/or Lime Pond for storage prior to transfer via a portable pumping system to the Waste Stabilization Basin (WSB);

- **Landfill site runoff collection and portable pumping/transfer system with transfer to the WSB**
Landfill site runoff collection system comprising of a ditch network located at the base of the landfill site, designed to collect the runoff from the existing landfill area located at the northwest side of the property, collecting the run off in a pond or ditch network from where a portable pump is to be used to pump the collected stormwater to the Waste Stabilization Basin (WSB);
- **Primary Clarifier**
One (1) primary clarifier (45.7 m diameter / side water depth of 4.6 m) for the storage of water consisting of stormwater and precipitation prior to pumping via a portable pumping system to the Waste Stabilization Basin (WSB);
- **Settling Basin**
One (1) Settling Basin, having a maximum volume of 50,000 m³ for the storage of stormwater, landfill leachate and/or lime pond, discharging the treated effluent to the WSB for secondary treatment, via gravity or a portable pumping system;
- **Decant Basin**
One (1) Decant Basin with an estimated storage volume of 50,000 m³, located northeast of the Waste Stabilization Basin (WSB) receiving wastewater and sludge from the Waste Stabilization Basin (WSB) via a portable pumping system for the purposes of sludge dewatering, discharging back to the Waste Stabilization Basin via a portable pumping system, when in use;
- **Lime Pond**
One (1) Lime Pond with an estimated maximum storage volume of 60,000 m³, designed to collect the stormwater run off from the lime storage pile area, located south of the lime pile, discharging to the Spill Basin via gravity or pumped to the Waste Stabilization Basin via portable pumping system;
- **Sludge Drying Beds**
Two (2) sludge drying beds, located northeast of the existing Decant Basin, receiving sludge from decant basin and WSB, complete with sand filters and drainage pipes discharging the effluent/filtrate into the existing perimeter drainage ditch for return to the WSB, via a portable pumping system;
- **Waste Stabilization Basin (WSB)/Lagoon**
One (1) Wastewater Stabilization Basin, located west of the Waste Disposal Site, constructed with lined earth berms and low permeability silty sand till at the bottom, receiving inputs from the spill basin, landfill runoff collection system, primary clarifier, settling basin, lime pond, decant basin, sludge drying beds and stormwater, having two (2) Cells with a storage capacity of 250,000 m³ (Cell 1) and 330,000 m³ (Cell 2) respectively, discharging to Nipigon Bay via Outlet 1 or Outlet 2;

- **Outlet 1 - Existing outfall via the Effluent Discharge Ditch to Nipigon Bay**

One existing dissipation ditch and outfall to discharge treated effluent from the Waste Stabilization Basin as per the effluent discharge mechanism process depending upon the WSB liquid level; or through pumping into the weir or through overflow into the weir to the Effluent Discharge Ditch via gravity to the existing underground sewer to the Effluent Discharge Ditch that is complete with a Parshall Flume; or overflow from the Cell 2 seepage to the Effluent Discharge Ditch;

Outlet 2 -Southern drainage ditch, adjacent to Red Rock Mountain discharging to Nipigon Bay approximately 400 metres (m) downstream of the existing outfall

One existing stormwater Drainage Ditch originating northwest of the WSB, located between the WSB and Red Rock Mountain receiving surface run off from the western portion of the property and separated by a minimum distance of 10 m from the nearby landfill drainage ditch, directing the stormwater run off and treated effluent from the WSB via a portable pumping system, discharging to Nipigon Bay;

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

all in accordance with the Schedule A.

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. "Equivalent Equipment" means alternate piece(s) of equipment that meets the design requirements and performance specifications of the piece(s) of equipment to be substituted;
7. "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;
8. "Limited Operational Flexibility" (LOF) means the conditions that the Owner shall follow in order to undertake any modification that is pre-authorized as part of this Approval;

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 Red Rock Mill Development Inc., and its successors and assignees;
11. "OWRA" means the *Ontario Water Resources Act*, R.S.O. 1990, c. O.40, as amended;
12. "Works" means the approved sewage works, and includes Existing Works and modifications made under Limited Operational Flexibility.

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.
4. The issuance of, and compliance with the conditions of, this Approval does not:
 - a. relieve any person of any obligation to comply with any provision of 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. CHANGE OF OWNER

1. The Owner shall notify the District Manager and the Director, in writing, of any of the following changes within **thirty (30) days** of the change occurring:
 - a. change of address of Owner;
 - b. change of Owner, including address of new owner;
 - c. change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the *Business Names Act, R.S.O. 1990, c. B.17* shall 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.

3. RECORD DRAWINGS

1. 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.

4. 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. 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, 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.

3. The Owner shall construct, operate and maintain the Works with the objective 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, foam or discoloration on the receiving waters.
4. Where Final Effluent is discharged to a drainage ditch, appropriate control measures shall be implemented where there is a risk of erosion and sedimentation. These controls would consist of one or more check dams installed in the drainage ditch downstream of the discharge point(s).
5. Where required, flow check dams shall be constructed such that the spillway level of the downstream flow check dam is the same as the base of the upstream flow check dam when they are installed in series.
6. Flow check dams shall be constructed without gaps and without undermining to prevent sediment passage through, under, or around the flow check dam.
7. Flow check dams shall include protection placed against the downstream side at the lowest point of the flow check dam, so that any overflow of the flow check dam is prevented from causing soil scour and erosion.
8. The Owner shall ensure the immediate clean-out of the Works after a fuel or oil spill capture.
9. 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.
10. 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.

11. 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.
12. 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.
13. 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.

5. 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 the table(s) included in **Schedule B**.
 - b. 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.

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 C** are not exceeded in the effluent from the Works.

7. EFFLUENT DISCHARGE AND MONITORING

1. All samples and measurements taken for the purposes of this Approval are to be taken at a time and in a location characteristic of the quality and quantity of the effluent stream over the time period being monitored.
2. Samples shall be collected 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 in the **Schedule D and E**.
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 quality of the effluent being discharged shall meet the Effluent Limits, prior to a discharge occurring. The Owner shall proceed with the Final Effluent discharge from the Works upon the confirmation that the Final Effluent quality meets the Effluent Limits. The Final Effluent discharge event shall take place within two (2) weeks of the pre-discharge sampling event.
5. For active Final Effluent discharge events from the WSB over an extended period (more than two (2) weeks), the effluent throughout the WSB will be monitored in accordance with the requirements of this Approval, to verify that the Final Effluent discharge events meet Condition No. 6.
6. Upon determination that the Effluent toxicity test results in failure, discharge of effluent will be stopped, until a time when additional toxicity sampling have completed and results show that the test passed. Any effluent toxicity sampling resulting in the test failure must be reported as soon as practicably possible to the MECP District office and in writing within seven (7) days.

8. 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 or toxicity tests resulting in failure, and in writing **within seven (7) days** of

non-compliance. An electronic investigation report of the non-compliance occurrence shall be submitted to the District Manager, and to the Thunder Bay District Office at environment.thunderbay@ontario.ca within 30 days of the incident. The report shall include, but not be limited to the following:

- a. Date and location of the non-compliance;
 - b. Activities leading up to the non-compliance, including a description of any major weather events;
 - c. Laboratory results with an interpretation of the results;
 - d. Mitigative actions the Company completed to correct the non-compliance; and,
 - e. Any future mitigative actions the Company will employ in the future to reduce future non-compliance occurrences.
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. Reports shall be electronically submitted with a copy also sent to the Thunder Bay District Office at environment.thunderbay@ontario.ca. 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 6, including an overview of the success and adequacy of the Works;
 - b. Number of discharge days with an estimated flow rate and total volume discharged;
 - c. a description of any operating problems encountered and corrective actions taken;
 - d. 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;
 - e. a summary of the calibration and maintenance carried out on all effluent monitoring equipment;

- f. a summary of any effluent quality assurance or control measures undertaken in the reporting period;
- g. a description of efforts made and results achieved in meeting the Effluent Objectives of Condition 5.
- h. a summary of any complaints received during the reporting period and any steps taken to address the complaints;
- i. a summary of all spill or abnormal discharge events; and
- j. any other information the District Manager requires from time to time.

9. LIMITED OPERATIONAL FLEXIBILITY

1. The Owner may make modifications to the Works in accordance with the Terms and Conditions of this Approval and subject to the Ministry's "Limited Operational Flexibility Criteria for Modifications to Works", included under **Schedule F** of this Approval, as amended.
2. Works under Limited Operational Flexibility shall adhere to the design guidelines contained within the Ministry's publication "Design Guidelines for Sewage Works 2008", as amended.
3. The Owner shall ensure at all times, that the Works, related equipment and appurtenances which are installed or used to achieve compliance are operated in accordance with all Terms and Conditions of this Approval.
4. For greater certainty, the following are **not** permitted as part of Limited Operational Flexibility:
 - a. Modifications to the Works that result in an increase of the approved capacity of the Works;
 - b. Modifications to the Works that may adversely affect the approved effluent quality criteria or the location of the discharge/outfall;
 - c. Modifications to the treatment process technology of the Works, or modifications that involve construction of new reactors (tanks) or alter the treatment train process design;
 - d. Modifications to the Works approved under s.9 of the EPA, and
 - e. Modifications to the Works pursuant to an order issued by the Ministry.
5. Implementation of Limited Operational Flexibility is not intended to be used for piecemeal measures that result in major alterations or expansions.

6. If the implementation of Limited Operational Flexibility requires changes to be made to the Spill Contingency Plan, the Owner shall, provide a revised copy of this plan to the District Office prior to implementing Limited Operational Flexibility.
7. For greater certainty, any modification made under the Limited Operational Flexibility may only be carried out after other legal obligations have been complied with, including those arising from the Environmental Protection Act, Niagara Escarpment Planning and Development Act, Oak Ridges Moraine Conservation Act, Lake Simcoe Protection Act and Greenbelt Act.
8. At least **thirty (30) days** prior to implementing Limited Operational Flexibility, the Owner shall complete a Notice of Modifications describing any proposed modifications to the Works and submit it to the District Manager.
9. The Owner shall not proceed with implementation of Limited Operational Flexibility until the District Manager has provided written acceptance of the Notice of Modifications or a minimum of **thirty (30) days** have passed since the day the District Manager acknowledged the receipt of the Notice of Modifications.

10. SPILL CONTINGENCY PLAN

1. Within **six (6) months** from the issuance of this Approval , 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.

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 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.
5. Condition 5 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.
6. Condition 6 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.
7. Condition 7 are 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.

8. Condition 8 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.
9. Condition 9 is included to ensure that the Works are operated in accordance with the application and supporting documentation submitted by the Owner, and not in a manner which the Director has not been asked to consider. These Conditions are also included to ensure that a Professional Engineer has reviewed the proposed modifications and attests that the modifications are in line with that of Limited Operational Flexibility, and provide assurance that the proposed modifications comply with the Ministry's requirements stipulated in the Terms and Conditions of this Approval, Ministry's policies, guidelines, and industry engineering standards and best management practices.
10. Condition 10 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.

Schedule A

1. Application for Environmental Compliance Approval dated December 15, 2023 and received on March 7, 2024.

Schedule B

Final Effluent Design Objectives

Concentration Objectives prior to Final Disposal from the WSB*

- Sampling Locations:** 1 Existing outfall and (or WSB Seep**) via the effluent discharge ditch to Nipigon Bay
2. Southern drainage ditch adjacent to Red Rock Mountain

Final Effluent Parameter	Averaging Calculator	Effluent Objective (milligrams per litre unless otherwise indicated)
CBOD5	Annual Average Effluent Concentration	25 mg/L
Total Suspended Solids	Annual Average Effluent Concentration	30 mg/L
pH	Single Sample Result	6.0 - 9.5 inclusive
Acute Toxicity-Daphnia magna	Single Sample Result	Non-Lethal (no more than 50% lethality in 100% effluent)
Acute Toxicity-Rainbow Trout	Single Sample Result	Non-Lethal (no more than 50% lethality in 100% effluent)

*prior to discharge events (passive or active)

** in the event when only passive discharges (seepages) are noted, sampling shall be completed within the seepage drainage ditch.

Schedule C

Final Effluent Compliance Limits

Concentration Limits prior to Final Disposal from the Works*

Sampling Locations: 1 Existing outfall and (or WSB Seep**) via the effluent discharge ditch to Nipigon Bay

2. Southern drainage ditch adjacent to Red Rock Mountain

Final Effluent Parameter	Averaging Calculator	Effluent Limit (milligrams per litre unless otherwise indicated)
CBOD5	Annual Average Effluent Concentration	30 mg/L
Total Suspended Solids	Annual Average Effluent Concentration	40 mg/L
pH	Single Sample Result	6.0 - 9.5 inclusive
Acute Toxicity-Daphnia magna	Single Sample Result	Non-Lethal (no more than 50% lethality in 100% effluent)
Acute Toxicity-Rainbow Trout	Single Sample Result	Non-Lethal (no more than 50% lethality in 100% effluent)

*prior to discharge events (passive or active)

** In the event when only passive discharges (seepages) are noted, sampling shall be completed within the seepage drainage ditch.

Schedule D

Final Effluent Monitoring Program

Pre-Discharge Effluent Monitoring

Sampling Points: 1 Existing outfall and (or WSB Seep**) via the effluent discharge ditch to Nipigon Bay

2. Southern drainage ditch adjacent to Red Rock Mountain

Prior to the Final Effluent discharge from the Works, one (1) grab sample shall be collected from the effluent to be discharged in order to verify the effluent quality. In the event when only passive discharges (seepages) are noted, sampling shall be completed within the seepage drainage ditch. The sample shall be analyzed for the following suite of parameters presented below:

- Total Suspended Solids
- pH
- Conductivity
- Total Dissolved Solids
- Phenols (4-AAP)
- Chemical Oxygen Demand
- Biochemical Oxygen Demand
- Carbonaceous Biochemical Oxygen Demand
- True Colour
- Total Organic Carbon
- Dissolved Organic Carbon
- Total Ammonia
- Nitrate (as N)
- Nitrite (as N)
- Total Phosphorus
- Toluene
- Chloroform
- Tannins and Lignins
- Resin and Fatty Acids
- Total Metals
- Toxicity – *Daphnia magna*
- Toxicity – Rainbow Trout

Effluent Monitoring during the Discharge Event - Day 1

Sampling Points: 1 Existing outfall and (or WSB Seep**) via the effluent discharge ditch to Nipigon Bay

2. Southern drainage ditch adjacent to Red Rock Mountain

On Day 1 of the Final Effluent discharge from the Works, one (1) grab sample shall be collected from the effluent and shall be analyzed for pH, CBOD5, and TSS

Effluent Monitoring during the Discharge Event - Weekly

Sampling Points: 1 Existing outfall and (or WSB Seep**) via the effluent discharge ditch to Nipigon Bay

2. Southern drainage ditch adjacent to Red Rock Mountain

On Day 1, and Weekly thereafter, of the Final Effluent discharge from the Works, one (1) grab sample shall be collected from the effluent and shall be analyzed for pH, CBOD5, and TSS

**In the event when only passive discharges (seepages) are noted, sampling shall be completed within the seepage drainage ditch.

Schedule E

GENERAL WASTE STABILIZATION MONITORING PROGRAM

Discharge Effluent Monitoring

Sampling Points: Cell-1-mid, Cell1-out, Cell-2-mid, Cell-2-out, or WSP Seep*

Sample Type: Grab

Sampling Frequency: Weekly for discharge events greater than 2 weeks

- Total Suspended Solids
- pH
- Conductivity
- Total Dissolved Solids
- Phenols (4-AAP)
- Chemical Oxygen Demand
- Biochemical Oxygen Demand
- Carbonaceous Biochemical Oxygen Demand
- True Colour
- Total Organic Carbon
- Dissolved Organic Carbon
- Total Ammonia
- Nitrate (as N)
- Nitrite (as N)
- Total Phosphorus
- Toluene
- Chloroform
- Tannins and Lignins
- Total Metals

*In the event when only passive discharges (seepages) are noted, sampling shall be completed within the seepage drainage ditch.

Schedule F

Limited Operational Flexibility Criteria for Modifications to Works

1. The modifications to Works approved under an Environmental Compliance Approval (Approval) that are permitted under the Limited Operational Flexibility (LOF), are outlined below and are subject to the LOF conditions in the Approval, and require the submission of the Notice of Modifications. If there is a conflict between the Works listed below and the Terms and Conditions in the Approval, the Terms and Conditions in the Approval shall take precedence.
 - a. Sewage Pumping Stations
 - i. Alter pumping capacity by adding or replacing equipment where new equipment is located within an existing sewage treatment plant site or an existing sewage pumping station site, provided that the modifications do not result in an increase of the sewage treatment plant Rated Capacity and the existing flow process and/or treatment train are maintained, as applicable.
 - b. Sewage Treatment Process
 - i. Installing additional chemical dosage equipment including replacing with alternative chemicals for pH adjustment or coagulants (non-toxic polymers) provided that there are no modifications of treatment processes or other modifications that may alter the intent of operations and may have negative impacts on the effluent quantity and quality.
 - ii. Expanding the buffer zone between a sewage lagoon facility or land treatment area and adjacent uses provided that the buffer zone is entirely on the proponent's land.
 - iii. Optimizing existing sewage lagoons with the purpose to increase efficiency of treatment operations provided that existing sewage treatment plant rated capacity is not exceeded and where no land acquisition is required.
 - iv. Optimizing existing sewage treatment plant equipment with the purpose to increase the efficiency of the existing treatment operations, provided that there are no modifications to the Works that result in an increase of the approved Rated Capacity, and may have adverse effects to the effluent quality or location of the discharge.

- v. Replacement, refurbishment of previously approved equipment in whole or in part with Equivalent Equipment, like-for-like of different make and model, provided that the firm capacity, reliability, performance standard, level of quality and redundancy of the group of equipment is kept the same. For clarity purposes, the following equipment can be considered under this provision: pumps, screens, grit separators, blowers, aeration equipment, sludge thickeners, dewatering equipment, UV systems, chlorine contact equipment, bio-disks, and sludge digester systems.

c. Sewage Treatment Plant Outfall

- i. Replacement of discharge pipe with similar pipe size provided that the outfall locations are not changed.

d. Stormwater Management System

- i. Modifications of Works to service the existing approved drainage area located within the site, provided that there is no increase in the average impervious area established in the original design and the discharges from the site will not exceed the attenuated flows established in the original design.
- ii. Installation of new oil grit separators.

e. Pilot Systems

- i. Installation of pilot systems for new or existing technologies provided that:
 - any effluent from the pilot system is discharged to the inlet of the sewage treatment plant or hauled off-site for proper disposal,
 - any effluent from the pilot system discharged to the inlet of the sewage treatment plant or sewage conveyance system does not significantly alter the composition/concentration of the influent sewage to be treated in the downstream process; and that it does not add any inhibiting substances to the downstream process, and
 - the pilot system's duration does not exceed a maximum of two years; and a report with results is submitted to the Director and District Manager three months after completion of the pilot project.

- 2. Works that are exempt from section 53 of the OWRA by O. Reg. 525/98 continue to be exempt and are not required to follow the notification process under this Limited Operational Flexibility.

3. Normal or emergency operational modifications, such as repairs, reconstructions, or other improvements that are part of maintenance activities, including cleaning, renovations to existing approved Works equipment, provided that the modification is made with Equivalent Equipment, are considered pre-approved.
4. The modifications noted in section (3) above are not required to follow the notification protocols under Limited Operational Flexibility, provided that the number of pieces and description of the equipment as described in the Approval does not change.

Form 1
Notice of Modification to Sewage Works

RETAIN COPY OF COMPLETED FORM AS PART OF THE ECA AND SEND A COPY TO THE DISTRICT MANAGER.

Part 1 – Environmental Compliance Approval (ECA) with Limited Operational Flexibility <i>(Insert the ECA's owner, number and issuance date and notice number, which should start with "01" and consecutive numbers thereafter)</i>		
ECA Number	Issuance Date (mm/dd/yy)	Notice number (if applicable)
ECA Owner		Municipality

Part 2: Description of the modifications as part of the Limited Operational Flexibility <i>(Attach a detailed description of the sewage works)</i>
<p>Description shall include:</p> <ol style="list-style-type: none"> 1. A detail description of the modifications and/or operations to the sewage works (e.g. sewage work component, location, size, equipment type/model, material, process name, etc.) 2. Confirmation that the anticipated environmental effects are negligible. 3. List of updated versions of, or amendments to, all relevant technical documents that are affected by the modifications as applicable, i.e., submission of documentation is not required, but the listing of updated documents is (design brief, drawings, emergency plan, etc.)

Part 3 – Declaration by Professional Engineer	
<p>I hereby declare that I have verified the scope and technical aspects of this modification and confirm that the design:</p> <ol style="list-style-type: none"> 1. Has been prepared or reviewed by a Professional Engineer who is licensed to practice in the Province of Ontario; 2. Has been designed in accordance with the Limited Operational Flexibility as described in the ECA; 3. Has been designed consistent with Ministry's Design Guidelines, adhering to engineering standards, industry's best management practices, and demonstrating ongoing compliance with s.53 of the Ontario Water Resources Act; and other appropriate regulations. <p>I hereby declare that to the best of my knowledge, information and belief the information contained in this form is complete and accurate</p>	
Name (Print)	PEO License Number
Signature	Date (mm/dd/yy)
Name of Employer	

Part 4 – Declaration by Owner	
<p>I hereby declare that:</p> <ol style="list-style-type: none"> 1. I am authorized by the Owner to complete this Declaration; 2. The Owner consents to the modification; and 3. This modifications to the sewage works are proposed in accordance with the Limited Operational Flexibility as described in the ECA. 4. The Owner has fulfilled all applicable requirements of the <i>Environmental Assessment Act</i>. <p>I hereby declare that to the best of my knowledge, information and belief the information contained in this form is complete and accurate</p>	
Name of Owner Representative (Print)	Owner representative's title (Print)
Owner Representative's Signature	Date (mm/dd/yy)

EPB Form

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 4-0038-72-947 issued on October 27, 1994.

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

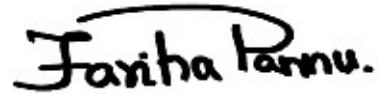
*** Further information on the Ontario Land Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349 or 1 (866) 448-2248, or www.olt.gov.on.ca**

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 19th day of August, 2025



Fariha Pannu, P.Eng.

Director

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

KH/

c: District Manager, MECP Thunder Bay District.
Keri Bernard, Pinchin Ltd.