

**ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER 8882-DG6KMD

Issue Date: May 14, 2025

GMS Camps & Catering Inc. as general partner of GMS  
Camps & Catering Limited Partnership  
36 Pic River Rd PO Box 211  
Marathon, Ontario  
P0T 1R0

Site Location: Wayfare Inn and Dorms  
11 Highway 17 N  
Marathon Unorganized Township, District of Cochrane

*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 Works for the treatment of sanitary sewage and subsurface disposal of treated effluent from Wayfare Inn and Dorms at the above site location, rated at a **Maximum Daily Flow of 21,828 litres per day**, consisting of the following:

**SEWAGE WORKS #1 SERVING WAYFARE INN**

Includes 32 guest rooms (accommodating 32 persons), three small offices (with a maximum of 9 employees), and a dining hall with 32 seats. The total maximum daily sewage flow is estimated at **9,827 litres per day**. No existing permits were found for the sewage works currently servicing the Wayfare Inn. The sewage works consist of:

**Septic Tank:** One (1) existing 23,000-litre septic tank, which receives sewage by gravity from the inn, dining hall, and offices. The effluent is discharged from septic tank via gravity to an existing absorption trench-type leaching bed described below.

**The Leaching Bed:** The leaching bed comprises ten (10) trench runs, each 27.4 metres in length, for a total of 274 metres. The trenches are spaced 1.82 metres apart, covering an approximate total area of 450 square metres.

**Effluent Filter (to be installed):** The septic tank is currently not equipped with an effluent filter. In accordance with the Ontario Building Code, an appropriately sized effluent filter shall be installed in the tank outlet within six (6) months of the issuance of this approval to prevent

suspended solids from entering the leaching bed.

**Oil Interceptor (to be installed):** This sewage system receives kitchen wastewater year-round from the Inn. To comply with best management practices, an oil interceptor shall be installed on the kitchen wastewater line, upstream of the septic tank, within six (6) months of the issuance of this approval.

**Flow Meter (to be installed):** This sewage works currently does not have any flow meter and flows are not being monitored. A flow meter shall be installed between the septic tank and the leaching bed within six (6) months of the issuance of this approval.

## **SEWAGE SYSTEM #2 SERVING THE WAYFARE DORMS (WORK CAMP)**

Comprising two buildings with thirty (30) rooms each—totaling 60 rooms and accommodating up to 60 persons—located southwest of the Wayfare Inn. The estimated maximum daily sewage flow is **12,000 litres per day**. The sewage system consists of:

**Equalization Tank:** Sewage from both the dorms buildings are discharged by gravity to a 6,650-litre working capacity septic tank utilized as an equalization tank before the flow is divided into four (4) parallel treatment trains consist of septic tank and Ecoflow Biofilter. The equalization tank is equipped with four (4) 1 HP Grinder Pumps, each discharging sewage to its own treatment train (septic tank) downstream. Grinder Pumps are controlled by SJE Rhombus Duplex Alternating Timed Dose Control Panel, each control two (2) pumps. Panels are equipped with high-level audible and visual alarms.

**Septic Tank:** Each of the four septic tank with working capacity of 4,700-litres, equipped with an OBC approved effluent filter on the outlet of tank, flowing by gravity to an Ecoflo Biofilter described below.

**Ecoflo Biofilter:** Each Ecoflo Biofilter STB-730PR (Polyethylene, natural fibres based biofilters; closed bottom units) capable of treating influent 2,810 litres/day with an objective of producing OBC Level II quality effluent, equipped with internal pump chamber. Effluent from each Ecoflo treatment unit is discharged to a Dosing Tank described below using 2 HP submersible effluent pump.

**Dosing Tank:** The dosing tank receiving effluent from four (4) biofilter treatment units with minimum working capacity of 12,000-litres, single compartment, equipped with two (2) ½ HP effluent pumps. The pumps are controlled by an alternating timed dosed control panel with high level visual and audible alarm, discharging to disposal beds describe below via two 50 millimetres diameter HDPE forcemains with 2.0 L/sec dosing capacity at 2 metres TDH. In the event of a pump failure, the dual pump system design will allow for continuous dosing via one (1) pump until the faulty pump is repaired/replacement.

**Leaching Bed (to be installed):** Two (2) disposal beds each consisting of five (5) absorption trenches, each 21.3 metres long with a total of 213 metres for two beds with total bed area is approximately 388 square metres. Each trench is constructed with a 4-inch perforated pipe surrounded by engineered geosynthetic aggregate covered in geotextile and held in place with a

durable high-strength plastic netting. laid on 600 millimetres imported sand layer (complying with OBC gradation) with the minimum spacing of 1.5 metres between pipes in trenches.

**Flow meter:** Flowmec TM200-N series (or equivalent) flowmeter installed inside a pump chamber with access lid, receiving effluent from all four (4) Ecoflo Biofilter treatment units, discharging to dosing tank described above.

including 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 submitted supporting documents listed in **Schedule A**.

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

1. "Approval" means this entire document and any schedules attached to it, and the application;
2. "BOD<sub>5</sub>" (also known as TBOD<sub>5</sub>) means five day biochemical oxygen demand measured in an unfiltered sample and includes carbonaceous and nitrogenous oxygen demand;
3. "CBOD<sub>5</sub>" means five day carbonaceous (nitrification inhibited) biochemical oxygen demand measured in an unfiltered sample;
4. "Commissioned" means the construction is complete and the system has been tested, inspected, and is ready for operation consistent with the design intent;
5. "Director" means a person appointed by the Minister pursuant to Section 5 of the EPA for the purposes of Part II.I of the EPA;
6. "District Manager" means the District Manager of the appropriate local district office of the Ministry where the Works is geographically located;
7. "*E. coli*" refers to coliform bacteria that possess the enzyme beta-glucuronidase and are capable of cleaving a fluorogenic or chromogenic substrate with the corresponding release of a fluorogen or chromogen, that produces fluorescence under long wavelength (366 nm) UV light, or color development, respectively. Enumeration methods include tube, membrane filter, or multi-well procedures. Depending on the method selected, incubation temperatures include 35.5 + 0.5 °C or 44.5 + 0.2 °C (to enumerate thermotolerant species). Depending on the procedure used, data are reported as either colony forming units (CFU) per 100 mL (for membrane filtration methods) or as most probable number (MPN) per 100 mL (for tube or multi-well methods);
8. "EPA" means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended;
9. "Equivalent Equipment" means a substituted equipment or like-for-like equipment that meets the required quality and performance standards of a named equipment;

10. "Grab Sample" means an individual sample of at least 1000 millilitres collected in an appropriate container at a randomly selected time over a period of time not exceeding 15 minutes;
11. "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;
12. "Maximum Daily Flow" means the largest volume of flow to be received during a one-day period for which the Works is designed to handle;
13. "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;
14. "OBC" means the Ontario Building Code, Ontario Regulation 163/24 (Building Code) as amended to January 1, 2025, made under the *Building Code Act*, 1992, S.O. 1992, c. 23;
15. "Owner" means GMS Camps & Catering Inc. as general partner of GMS Camps & Catering Limited Partnership and its successors and assignees;
16. "OWRA" means the *Ontario Water Resources Act*, R.S.O. 1990, c. O.40, as amended;
17. "Works" means the approved sewage works.

*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. 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.B17 shall be included in the notification;
  - 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, 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.

### 4. CONSTRUCTION

1. The Owner shall ensure that the construction of the Works is supervised by a Licensed Engineering Practitioner.
2. The Owner shall ensure that the Works are constructed such that minimum horizontal clearance distances as specified in the OBC are satisfied.
3. The Owner shall ensure that the treatment system is installed in accordance with the manufacturer's installation manual.
4. The Owner shall ensure that an imported soil that is required for construction of any subsurface disposal bed as per this Approval is tested and verified by a Licensed Engineering Practitioner for the percolation time (T) prior to delivering to the site location and the written records are kept at the site.

5. Within **six (6) months** of the Works being Commissioned, 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 staff.
6. Within **six (6) months** of the Works being Commissioned, the Owner shall prepare a set of as-built drawings showing the Works “as constructed”. "As-built" drawings shall be kept up to date through revisions undertaken from time to time and a copy shall be retained at the site for the operational life of the Works and shall be made available for inspection by Ministry staff.

## **5. MONITORING AND RECORDING**

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

1. All samples and measurements taken for the purpose of this Approval are to be taken at a time and in a location characteristic of the quality and quantity of the effluent stream over the time period being monitored.
2. Samples shall be collected at the sampling point(s), at the sampling frequencies and using the sample type specified for each parameter listed in the Influent Monitoring Table included in **Schedule B**.
3. Samples shall be collected at the sampling point(s), at the sampling frequencies and using the sample type specified for each parameter listed in the Effluent Monitoring Table included in **Schedule B**.
4. Samples shall be collected at the sampling point(s), at the sampling frequencies and using the sample type specified for each parameter listed in the Groundwater Monitoring Table included in **Schedule B**.
5. Samples shall be collected at the sampling point(s), at the sampling frequencies and using the sample type specified for each parameter listed in the Drinking Water Monitoring Table included in **Schedule B**.
6. Prior to the startup of the Works, background groundwater quality must be established by collecting groundwater samples and having them analyzed for the parameters listed in the Groundwater Monitoring Table included in **Schedule B**.
7. The Owner shall employ measurement devices to accurately measure quantity of effluent being discharged to each individual subsurface disposal bed, including but not limited to water/wastewater flow meters, event counters, running time clocks, or electronically controlled dosing, and shall record the daily volume of effluent being discharged to the subsurface disposal bed.
8. The Owner shall ensure that the flow of treated effluent discharged into the subsurface disposal bed does not exceed 9827 litres per day for Sewage Works #1 and 12,000 litres per day for Sewage

Works #2.

9. The methods and protocols for sampling, analysis and recording shall conform, in order of precedence, to the methods and protocols specified in the following documents and all analysis shall be conducted by a laboratory accredited to the ISO/IEC:17025 standard or as directed by the District Manager:
  - a. the Ministry's Procedure F-10-1, "Procedures for Sampling and Analysis Requirements for Municipal and Private Sewage Treatment Works (Liquid Waste Streams Only), as amended from time to time by more recently published editions;
  - b. the Ministry's publication "Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater Version 2.0" (January 2016), PIBS 2724e02, as amended; 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.
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.

## 6. EFFLUENT LIMITS

1. The Owner shall design, construct, operate and maintain the Works such that the concentrations of the materials named as effluent parameters in the Effluent Limits Table in **Schedule B** are not exceeded in the effluent from the Works.
2. For the purposes of determining compliance with and enforcing subsection (1):
  - a. Any concentration of CBOD<sub>5</sub> & TSS named in Column 1 of the Effluent Limits Table listed in **Schedule B** shall not exceed the corresponding maximum concentration set out in Column 2 of the Effluent Limits Table listed in **Schedule B**.

## 7. OPERATIONS AND MAINTENANCE

1. The Owner shall ensure that, at all times, the Works and the related equipment and appurtenances used to achieve compliance with this Approval are properly operated and maintained. Proper operation and maintenance shall include effective performance, adequate funding, adequate staffing and training, including training in all procedures and other requirements of this Approval and the OWRA and regulations, adequate laboratory facilities, process controls and alarms and the use of process chemicals and other substances used in the Works.
2. The Owner shall prepare an operations manual within **six (6) months** of the introduction of sewage to the Works, that includes, but not necessarily limited to, the following information:

- a. operating procedures for routine operation of all the Works;
  - b. inspection programs, including frequency of inspection, for all 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 all the Works; copies of maintenance contracts for any routine inspections and pump-outs should be included for all the tanks and treatment units;
  - d. procedures for the inspection and calibration of monitoring equipment;
  - e. a spill prevention control and countermeasures plan, consisting of contingency plans and procedures for dealing with equipment breakdowns, potential spills and any other abnormal situations, including notification of the Spills Action Centre (SAC) and District Manager; and
  - f. procedures for receiving, responding and recording public complaints, including recording any follow-up actions taken.
3. The Owner shall maintain an up to date operations manual and make the manual readily accessible for reference at the Works for the operational life of the Works. Upon request, the Owner shall make the manual available to Ministry staff.
4. The Owner shall, upon completion of construction, prepare and make available for inspection by Ministry staff, a maintenance agreement with the manufacturer for the treatment process/technology or its authorized agent. The maintenance agreement must be retained at the site and kept current for the operational life of the Works.
5. The Owner shall ensure that all septic tanks are pumped out every 3-5 years or when the tank is 1/3 full of solids and the effluent filters are cleaned out at minimum once a year or more often if required.
6. The Owner shall ensure that the oil/grease interceptor is inspected and maintained on regular basis as required, and grease is disposed off site by a licensed hauler (e.g. at approved recycling sites).
7. The Owner shall ensure that grass-cutting is maintained regularly over the subsurface disposal bed(s), and that adequate steps are taken to ensure that the area of the underground Works is protected from vehicle traffic.
8. The Owner shall visually inspect the general area where Works are located for break-out once every month during the operating season.
9. In the event a break-out is observed from a subsurface disposal bed, the Owner shall do the following:



- a. sewage discharge to that subsurface disposal system shall be discontinued;
  - b. the incident shall be **immediately** reported verbally to the Spills Action Centre (SAC) at (416) 325-3000 or 1-800-268-6060;
  - c. submit a written report to the District Manager within **one (1) week** of the break-out;
  - d. access to the break-out area shall be restricted until remedial actions are complete;
  - e. during the time remedial actions are taking place the sewage generated at the site shall not be allowed to discharge to the environment; and
  - f. sewage generated at the site shall be safely collected and disposed of through a licensed waste hauler to an approved sewage disposal site.
10. The Owner shall employ for the overall operation of the Works a person who possesses the level of training and experience sufficient to allow safe and environmentally sound operation of the Works.
  11. The Owner shall maintain a minimum 450 square metre vacant reserve area for Sewage Works #1 and 388 square metre vacant reserve area for Sewage Works #2, free from any structure, stockpile of materials or underground utilities, located at Wayfare Inn and Dorms site, as a contingency measure for future design, approval and construction of an additional or replacement subsurface disposal bed.
  12. 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 operations and maintenance activities required by this Approval.

## 8. REPORTING

1. **One week** prior to the start up of the operation of the Works, the Owner shall notify the District Manager or designate (in writing) of the pending start up date. Notification shall also be sent to the Thunder Bay District Office email address at [environment.thunderbay@ontario.ca](mailto:environment.thunderbay@ontario.ca).
2. The Owner shall report to the District Manager or designate orally **as soon as possible** any non-compliance with the compliance limits specified in subsection 2 of Condition 6, and in writing within **seven (7) days** of non-compliance. Written notification shall also be sent to the Thunder Bay District Office email address at [environment.thunderbay@ontario.ca](mailto:environment.thunderbay@ontario.ca).
3. 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 or designate describing the cause and discovery of the spill, clean-up and recovery measures taken, preventative measures to be taken and a schedule of implementation.

4. The Owner shall, upon request, make all manuals, plans, records, data, procedures and supporting documentation available to Ministry staff.
5. 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 or designate, with an electronic copy sent to the Thunder Bay District Office email at [environment.thunderbay@ontario.ca](mailto:environment.thunderbay@ontario.ca). The first such report shall cover the first annual period following the commencement of operation of the Works and subsequent reports shall cover successive annual periods following thereafter. The reports shall contain, but shall not be limited to, the following information:
  - a. location and site maps (to scale) showing relevant features;
  - b. a summary and interpretation of all monitoring data and a comparison to the effluent limits (Condition 6) including an overview of the success and adequacy of the Works, and a contingency plan in the event of non-compliance with the effluent limits;
  - c. a summary and interpretation of groundwater monitoring data including shallow groundwater flow direction;
  - d. interpretation of groundwater analytical results and comparison with the compliance limit of 2.5 milligrams per litre for Nitrates concentration at the property boundary in accordance with the Reasonable Use Policy;
  - e. tabular summaries of data; appended laboratory reports; quality assurance and quality control assessment of data and sample collection;
  - f. a comparison of groundwater water monitoring data with trigger concentrations and any contingency measures implemented (Condition 9);
  - g. a review and assessment of the performance of the Works, including all treatment units and subsurface disposal beds;
  - h. a description of any operating problems encountered and corrective actions taken for all Works located at the property;
  - i. a record of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of all Works located at the property including but not limited to: records of maintenance inspections for the treatment system, records of septic tank effluent filters cleaning, records of septic tank pump-outs, records of sludge pump-outs accumulated from the treatment system, records of visual inspections of all subsurface disposal systems;
  - j. a summary of any effluent quality assurance or control measures undertaken in the reporting

- period;
- k. a summary and interpretation of all daily flow data and results achieved in not exceeding the Maximum Daily Flow discharged into each one of the subsurface disposal system;
  - l. a summary of any complaints received during the reporting period and any steps taken to address the complaints;
  - m. a summary of all spill or abnormal discharge events;
  - n. any other information the District Manager requires from time to time;

## 9. TRIGGER CRITERIA AND CONTINGENCY PLAN

1. If the concentrations of groundwater samples monitored in GW2 and/or GW3 exceed the trigger concentrations of any of the parameters described in **Schedule B**, the well(s) shall be sampled again within one month. Should two subsequent samples' average more than the trigger concentrations, the Owner shall notify the District Office and discuss the implementation of the following contingency measures to bring the concentrations below trigger levels:
  - a. **Recirculation of Ecoflo Effluent:** Implementing recirculation of treated effluent from the Ecoflo biofilters to the dosing tank upstream of the septic tanks. The Ecoflo biofilters are expected to oxidize ammonia to nitrate, and it is expected that the nitrate in the recirculated effluent will be denitrified in septic tanks.
  - b. **Add Treatment Unit to Sewage Work #1:** if the contingency measure described above does not work, add an appropriate treatment unit to Sewage Work #1 to bring the level of contamination in the groundwater at an acceptable level (i.e., below the level of trigger concentrations).
  - c. **Inclusion of a Phosphorus Removal Coagulant:** dose a phosphorus removal coagulant, such as aluminum sulphate, poly aluminum chloride, rare earth metal salt, or ferric chloride. The coagulant dosing reservoir could be housed in a nearby shed. Coagulant will be dosed via a peristaltic pump into the same pump chamber which will be recirculating treated effluent from the Ecoflo biofilter.
  - d. **Expanding the Contaminant Attenuation Zone:** Should the above contingencies fail to mitigate concerns of impact on groundwater and/or surface water, the Owner shall discuss with the District Office on expanding the contaminant attenuation zone beyond the current property boundaries.
2. The Owner shall submit an amendment application to update this Approval if contingency measures b. and d. are implemented.

## **Schedule A**

1. Application for Environmental Compliance Approval submitted by Vincent Nabigon of Pic River First Nation received on October 4, 2024 for the sanitary sewage works for Wayfare Inn and Dorms, Marathon, Ontario, including impact assessment, design report, final plans and specifications.

## Schedule B

### Effluent Limits Table (Sewage Works #2)

(OBC Level II effluent discharged to conventional absorption trenches)

Effluent Parameter (tested on outlet from the final Ecoflo Biofilter Treatment Units)	Concentration Limit (milligrams per litre unless otherwise indicated)
CBOD <sub>5</sub>	25
Total Suspended Solids (TSS)	30

### Influent Monitoring (Sewage Works #2)

<b>Sampling Location</b>	Upstream of the Ecoflo Treatment System
<b>Frequency</b>	Once during Spring, Summer, Fall and Winter (typically in May, July, October and January)
<b>Sample Type</b>	Grab
<b>Parameters</b>	BOD <sub>5</sub> Total Suspended Solids (TSS) Total Kjeldahl Nitrogen (TKN) Total Phosphorus (TP)

### Effluent Monitoring Table (Sewage Works #2)

<b>Sampling Location</b>	On discharge from the final Treatment System upstream from subsurface disposal bed
<b>Frequency</b>	Once during Spring, Summer, Fall and Winter (typically in May, July, October and January)
<b>Sample Type</b>	Grab
<b>Parameters</b>	CBOD <sub>5</sub> Total Suspended Solids (TSS) Total Phosphorus (TP) Total Ammonia Nitrogen (TAN) Nitrate Nitrogen Nitrite Nitrogen Total Kjeldahl Nitrogen (TKN) Total Nitrogen pH (field and lab) Temperature (field and lab)

### Groundwater Monitoring Table

<b>Sampling Location</b>	GW1 (background well)– northeast of the proposed new disposal bed constructed for Sewage Works#2; GW2 – middle of property, near dorms & GW3 – in the southeast portion of the property, near the property boundary. See ECA Application Drawing 6 of 6 on pdf page 65 for proposed well locations).*
<b>Frequency</b>	Once during Spring, Summer, Fall and Winter (typically in May, July, October and January)
<b>Sample Type</b>	Grab (0.45 micron filed filtered)
<b>Parameters</b>	Total Suspended Solids (TSS) Total Phosphorus (TP); Dissolved Phosphours Total Ammonia Nitrogen (TAN) Nitrate Nitrogen Nitrite Nitrogen Total Kjedhal Nitrogen (TKN) Total Nitrogen pH (field and lab) Temperature (field and lab)
<b>Groundwater elevation</b>	Groundwater elevations with respect to standard geodetic vertical datum shall be measured and recorded during each of the sampling events.

\*Exact well locations, well screen levels, well construction details shall be subjected to approval by the District Manager.

### Drinking Water Monitoring Table

<b>Sampling Location</b>	On-site drinking water supply well
<b>Frequency</b>	Once during Spring, Summer, Fall and Winter (typically in May, July, October and January)
<b>Sample Type</b>	Grab
<b>Parameters</b>	Nitrate Nitrogen <i>E.coli</i>

### Trigger Concentrations Table

Parameter	Location	Trigger Concentration
Total Ammonia Nitrogen	GW2 & GW3	1 mg/L
Nitrate Nitrogen	GW2 & GW3	2 mg/L
Total Phosphorus	GW2 & GW3	1 mg/L

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

1. Condition 1 is imposed to ensure that the Works are built and operated in the manner in which they were described for review and upon which approval was granted. This condition is also included to emphasize the precedence of Conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review. 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 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, and may be operated and maintained such that the environment is protected and deterioration, loss, injury or damage to any person or property is prevented.
5. Condition 5 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/limits specified in the Approval and that the Works does not cause any impairment to the groundwater and/or receiving watercourse.
6. Condition 6 is imposed to ensure that the effluent discharged from the Works to the groundwater meets the Ministry's effluent quality requirements thus minimizing environmental impact on the groundwater and/or receiving watercourse.
7. Condition 7 & 9 are included to require that the Works be properly operated, maintained, and equipped such that the environment is protected. As well, the inclusion of an operations manual, maintenance agreement with the manufacturer for the treatment process/technology and a complete set of "as constructed" drawings 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 information 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 and their implementation during possible abnormal conditions. The manual will also act as a benchmark for Ministry staff when reviewing the Owner's operation of the Works.

8. Condition 8 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.

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 Hearing") shall state:

- a. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
- b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

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

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

This Notice must be served upon:

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

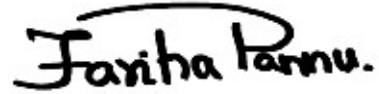
**\* Further information on the Ontario Land Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349 or 1 (866) 448-2248, or [www.olt.gov.on.ca](http://www.olt.gov.on.ca)**

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 14th day of May, 2025

A handwritten signature in black ink that reads "Fariha Pannu." The signature is written in a cursive style with a large, sweeping initial 'F'.

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Fariha Pannu, P.Eng.

Director

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

MK/

c: District Manager, MECP Timmins

Gerry Dignard, Canadian Sheild Consultants Agency Inc