

**ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER A-500-6128213003

Version: 2.0

Issue Date: August 6, 2024

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

Shell Canada Products

PO BOX 100, STATION M  
CALGARY ALBERTA  
T2P2H5

*For the following site:*

1010 McNabb Street  
Sault Ste. Marie, ON  
P6B 6J1

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s) A-500-6128213003 version 1.0, issued on June 30, 2022.

*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:*

Removal of the previously Approved un-constructed sewage works that are not required to meet the effluent requirements and addition of monitoring parameters to monitor the additional materials (pre-blended ethanol as E10/P10 (final product)) to be received at the site commencing September 2024, located at 101 McNabb Street, Sault Ste. Marie, Ontario, comprising of the following;

Correction in the description of the Existing Works

One existing OWS-2 rated at 600 L/minute, having an overall storage capacity of 28,941 L with liquid depth of 1.5 m, width of 2.8 m and length of 5.3 m, discharging by gravity via 200 mm piping to an existing ditch along McNabb Street – referred to as the Front Lawn OWS.

**EXISTING WORKS**

Existing sewage works for the collection, transmission, treatment and disposal of stormwater from the Shell Terminal Site, in order to address flooding issues by improving the drainage pattern, located at 101 McNabb Street, Sault Ste. Marie, Ontario, comprising of the following;

**Outlet 1**

1. Re-routing additional uncontrolled drainage areas to the existing Tank Farm Oil-Water Separator (OWS, combination of existing OWS-1 and OWS-3), so that the total drainage area, outletting to Outlet O-1 towards existing storm sewers on McNabb Street is 0.149 ha, as compared to previous 0.086 ha area:
  - Area A: Former Rail Car Service Area (0.107 ha – Receiver: OWS1/3), and,
  - Trucking Loading Containment Area (0.042 ha – Receiver: OWS1/3).

2. Upgrading existing drainage and installing new drain covers in the existing rail unloading area (including in the former rail car service area to the south) to discharge to the existing Tank Farm OWS;

## Outlet 2

1. Re-routing additional uncontrolled drainage areas to the existing OWS-2 (Front Lawn OWS), so that the total drainage area, outletting to Outlet O-2, towards existing storm sewers on McNabb Street is 0.270 ha, as compared to previous 0.116 ha area;
  - Area C: North Paved Area (0.142 ha – Receiver: OWS2), and,
  - Area D: South Paved Area (0.128 ha – Receiver: OWS2)
2. Installation of a new intermediate catch basin in Area C connecting the Stormwater Collection Area (manually-controlled drainage) and the Front Lawn OWS via underground piping.
3. Installation of a new sump with pump (rated at 1250 L/minute) and new control panel to capture surface water drainage from the upgraded rail spur area and discharging to the Stormwater Collection Area. Installation of new containment indirect flow ditch to new sump;
4. Installation of a post indicator valve (PIV, normally in closed position) and orifice plate (600 L/min maximum) at the Stormwater Collection Area, to isolate flow and allow stormwater to be held in the Stormwater Collection Area during heavy rainfall event and released manually following a heavy rainfall event associated flow surge;

## East Perimeter Drainage Ditch

1. Installation of a new east-west ditch to re-route drainage from the east perimeter ditch to the Stormwater Collection Area (manually-controlled drainage), eliminating the former Outlet O-3;
2. Revising and upgrading existing drainage in and around the Stormwater Collection Area and existing ditches by the office/warehouse to improve positive drainage;

## OTHER EXISTING WORKS

1. One existing OWS-1, receiving uncontrolled stormwater drainage from the existing loading (truck and rail) area of 0.086 ha, and the existing bermed petroleum tank farm area (manually-controlled drainage), designed as a holding tank having an overall storage volume of 22,665 L, liquid depth of 1.0 m, width of 2.0 m and length of 4.6 m, discharging by pump via 100 mm diameter piping with control valve rated at 1,136 L/minute to the existing OWS-3 rated at 1,100 L/minute, having an overall storage volume of 11,400 L, nominal diameter of 1.63 m and length of 5.5 m, discharging by gravity via 200 mm diameter piping to the City storm sewer along McNabb Street at Outlet O-1 – in combination referred to as the Tank Farm OWS.
2. One existing OWS-2 rated at 600 L/minute, having an overall storage capacity of 28,941 L with liquid depth of 1.5 m, width of 2.8 m and length of 5.3 m, complete with an oil/coalescing pack, discharging by gravity via 200 mm piping to an existing ditch along McNabb Street – referred to as the Front Lawn OWS (now this description being updated as given above);

## DEFINITIONS

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*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. "District Manager" means the District Manager of the appropriate local district office of the Ministry, where the Works is geographically located;
3. "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;
4. "EPA" means the *Environmental Protection Act*, R.S.O. 1990, c.E.19, as amended;
5. "Existing Works" means those portions of the Works included in the Approval that have been constructed previously;
6. "Licensed Engineering Practitioner" means a person who holds a licence, limited licence or temporary licence under the PEO;
7. "Ministry" means the ministry of the government of Ontario responsible for the EPA and OWRA and includes all officials, employees or other persons acting on its behalf;
8. "OWRA" means the *Ontario Water Resources Act*, R.S.O. 1990, c. O.40, as amended;
9. "Owner" means Shell Canada Products (Shell), its successors and assigns;
10. "Works" means the approved sewage works, and includes Proposed Works and Existing Works.

## TERMS AND CONDITIONS

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

### 1. GENERAL CONDITION

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 sewage 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, as amended, shall be included in the notification;
  - d. change of name of the corporation where the Owner is or at any time becomes a corporation, and a copy of the most current information filed under the *Corporations Information Act*, R.S.O. 1990, c. C.39, as amended, shall be included in the notification.
2. In the event of any change in ownership of the Works, the Owner shall notify the succeeding owner in writing, of the existence of this Approval, and 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 environmental compliance approval number.

### **3. CONSTRUCTION OF PROPOSED WORKS / 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, oil/grit, debris and/or decaying vegetation, to avoid reduction of the capacity and/or permeability of the Works, as applicable. The Owner shall also regularly inspect and clean out the inlet to and outlet from the Works to ensure that these are not obstructed.
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. The Owner shall ensure the immediate clean-out of the Works after a fuel or oil spill capture.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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 2.
  - b. effluent is essentially free of floating and settleable solids and does not contain oil or any other substance in amounts sufficient to create a visible film or sheen or foam or discolouration on the receiving waters.
2. In the event of an exceedence 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 exceedence.

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

## **7. EFFLUENT MONITORING**

1. The Owner shall, upon commencement of operation of the Works, carry out a monitoring program, and all samples and measurements taken for the purposes of this Approval are to be taken at a time and in a location characteristic of the quality and quantity of the effluent stream over the time period being monitored.
2. Samples shall be collected and analyzed at the 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 2.
3. The methods and protocols for sampling, analysis, toxicity testing, and recording shall conform, in order of precedence, to the methods and protocols specified in the following:
  - a. the Ministry's publication "Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater" (January 1999), ISBN 0-7778-1880-9, as amended from time to time by more recently published editions;
  - 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. In addition to the effluent monitoring, visual inspections of the effluent are also to be undertaken at the site that shall include, but not be limited to the following
  - i. A monthly inspection of the effluent from the new oil /water separator during discharge of treated water for any visible oil sheen
  - ii. A weekly inspection of the contents of the oil/water separators.
5. 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. 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. One (1) week prior to the receiving E10/P10, the Owner shall notify the District Manager (in writing).
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), the Owner shall, within fifteen (15) days of the occurrence of any reportable spill as provided in Part X of the EPA and Ontario Regulation 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 report to the District Manager orally as soon as possible any non-compliance with the compliance limits, and in writing within seven (7) days of non-compliance.
6. The Owner shall prepare performance reports on a calendar year basis and submit to the District Manager by March 31 of the calendar year following the period being reported upon. The reports shall contain, but shall not be limited to, the following information pertaining to the reporting period:
  - a. a summary and comprehensive interpretation of all monitoring data and a comparison to the design objectives and compliance limit in this Approval, including an overview of success and adequacy of the work including an overview of the success and adequacy of the Works;
  - b. a description of any operating problems encountered and corrective actions taken;
  - c. a summary of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of the Works, including an estimate of the quantity of any materials removed from the Works;
  - d. a summary of the calibration and maintenance carried out on all effluent monitoring equipment;
  - e. a summary of any effluent quality assurance or control measures undertaken in the reporting period;
  - f. a description of efforts made and results achieved in meeting the effluent objectives of Condition 7.
  - g. a summary of any complaints received during the reporting period and any steps taken to address the complaints;
  - h. a summary of all spill or abnormal discharge events; and
  - i. any other information the District Manager requires from time to time.

## **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 Sewage Works", included

under Schedule 3 of this Approval, as amended.

2. Sewage 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 Emergency Response, Spill Reporting and Contingency Plan, the Owner shall, provide a revised copy of this plan to the local fire services authority 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 EPA, 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.

## REASONS

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

1. Condition 1 is imposed to ensure that the Works are constructed and operated in the manner in which they were described and upon which approval was granted. This condition is also included to emphasize the precedence of conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review. Condition 1.4 is included to emphasize that the issuance of this Approval does not diminish any other statutory and regulatory obligations to which the Owner is subject in the construction, maintenance and operation of the Works. The Condition specifically highlights the need to obtain any necessary conservation authority approvals. The Condition also emphasizes the fact that this Approval doesn't limit the authority of the Ministry to require further information.
2. Condition 2 is included to ensure that, when the Works are constructed, the Works will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.
3. Condition 3 is included to ensure that the Ministry records are kept accurate and current with respect to the approved Works and to ensure that subsequent owners of the Works are made aware of the Approval and continue to operate the Works in compliance with it.
4. Condition 4 is included to ensure that the Works are constructed in accordance with the approval and that record drawings of the Works "as constructed" are maintained for future references.
5. Condition 5 is 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 added 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 is included to require the Owner to demonstrate on a continual basis that the quality and quantity of the effluent from the approved works is consistent with the design and effluent objectives specified in the Approval and that the approved works does not cause any impairment to the receiving watercourse.
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.

# APPEAL PROVISIONS

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

- I. 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;
- II. 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 required 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:

- I. The name of the appellant;
- II. The address of the appellant;
- III. The environmental compliance approval number;
- IV. The date of the environmental compliance approval;
- V. The name of the Director, and;
- VI. 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 <a href="mailto:OLT.Registrar@ontario.ca">OLT.Registrar@ontario.ca</a>	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 <i>Environmental Protection Act</i> Ministry of the Environment, Conservation and Parks 135 St. Clair Avenue West, 1st Floor Toronto, Ontario M4V 1P5
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**\* 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 [ero.ontario.ca](http://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 6th day of August, 2024



Sherif Hegazy

Director

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

c: Gerome Gaspari

Jerome Gaspari, Shell Canada Products

Robert Mitzakov, SNC-Lavalin Inc.

Robert Mitzakov M.A.Sc., P.Eng., AtkinsRéalis

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

# SCHEDULE 1

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1. Application for Environmental Compliance Approval works received on Works received on August 20, 2021.

## SCHEDULE 2

### Effluent Objectives Table

Measured at the discharge outlet from the following locations;

1. Tank Farm Oil/Water Separator (OWS-1/3)
2. Front Lawn Oil/Water Separator (OWS-2)

Final Effluent Parameter	Averaging Calculator	Concentration Objective (milligrams per litre unless otherwise indicated)
Oil and Grease	Monthly Average Effluent Concentration	10 mg/L

### Effluent Limit Table

Measured at the discharge outlet from the following locations

1. Tank Farm Oil/Water Separator (OWS-1/3)
2. Front Lawn Oil/Water Separator (OWS-2)

Final Effluent Parameter	Averaging Calculator	Concentration Limit (milligrams per litre unless otherwise indicated)
Oil and Grease	Monthly Average Effluent Concentration	15 mg/L

### Effluent Monitoring Table

<b>Frequency</b>	Monthly
<b>Sample Type</b>	Grab
<b>Sampling Locations</b>	1. Tank Farm Oil/Water Separator (OWS-1/3) 2. Front Lawn Oil/Water Separator (OWS-2)
<b>Parameters</b>	pH, Oil and Grease, Phenol, Ethanol*, Dissolved Organic Carbon (DOC), Benzene, Toluene, Ethylbenzene and Xylenes (BTEX), and Petroleum Hydrocarbon fractions (PHCs)

\*Sampling for ethanol to be completed once E10/P10 has been brought to site (also refer to Condition 8.2).

# SCHEDULE 3

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## Limited Operational Flexibility Criteria for Modifications to Industrial Sewage Works

1. The modifications to sewage 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 sewage 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.
    - ii. Forcemain relining and replacement with similar pipe size where the nominal diameter is not greater than 1,200mm.
  - 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 sanitary 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 sanitary 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 location is not changed.
  - d. Stormwater Management System
    - i. Modifications of stormwater management 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. Sanitary Sewers

- i. Pipe relining and replacement with similar pipe size within the Sewage Treatment Plant site, where the nominal diameter is not greater than 1,200mm.

f. 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. Sewage 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 sewage 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.

Please contact the District Manager for a copy of the form entitled "Notice of Modification to Sewage Works".