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Ministry of the Environment, Conservation and Parks
Ministère de l'Environnement, de la Protection de la nature et des Parcs

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 9016-CD8L7U

Issue Date: April 29, 2022

Imperial Oil Limited
505 Quarry Park Boulevard SE
Post Office Box, No. 2480
Calgary, Alberta
T2C 5N1

Site Location: 427 Railway Street
Timmins City, District of Cochrane
P4N 2P7

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:

- one (1) soil vapour extraction and treatment system equipped with one (1) granular activated carbon unit, discharging to the air at a volumetric flow rate of 0.09 cubic metre per second through a stack, having an exit diameter of 0.12 metre, extending 0.7 metre above the roof and 3.3 metres above grade;

all in accordance with the Environmental Compliance Approval Application submitted by Imperial Oil Limited, dated February 5, 2021 and signed by Ayan Chakraborty, Environmental Team Lead; the supporting information including the Emission Summary and Dispersion Modelling Report prepared by Golder Associates Ltd., dated February 12, 2021 and signed by Emily Lau; and the Acoustic Assessment Report prepared by Golder Associates Ltd., dated October 2021 and signed by Joe Tomaselli, M.Eng., P.Eng.

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

1. "Acoustic Assessment Report" means the report, prepared in accordance with Publication NPC-233 and Appendix A of the Basic Comprehensive User Guide, by Joe Tomaselli, M.Eng., P.Eng. / Golder Associates Ltd., dated October 15, 2021 submitted in support of the application, that documents all sources of noise emissions and Noise Control Measures present at the Facility;
2. "Acoustic Assessment Summary Table" means a table prepared in accordance with the Basic Comprehensive User Guide summarising the results of the Acoustic

Assessment Report;

3. "Approval" means this Environmental Compliance Approval, including the application and supporting documentation listed above;
4. "Company" means Imperial Oil Limited that is responsible for the construction or operation of the Facility and includes any successors and assigns in accordance with section 19 of the EPA;
5. "District Manager" means the District Manager of the appropriate local district office of the Ministry, where the Facility is geographically located;
6. "EPA" means the *Environmental Protection Act*, R.S.O. 1990, c.E.19;
7. "Equipment" means the soil vapour extraction treatment system described in the Company's application, this Approval and in the supporting documentation submitted with the application, to the extent approved by this Approval;
8. "Exhausted" means the capacity of the activated carbon media to adsorb emissions is reached and the GAC is no longer able to effectively reduce emissions;
9. "Facility" means the entire operation located on the property where the Equipment is located;
10. "GAC" means the granular activated carbon;
11. "Manual" means a document or a set of documents that provide written instructions to staff of the Company;
12. "Ministry" means the ministry of the government of Ontario responsible for the EPA and includes all officials, employees or other persons acting on its behalf;
13. "Monitoring Plan" means a written monitoring plan developed for the site as described in Condition 4 of this Approval;
14. "Noise Control Measures" means measures to reduce the noise emission from the Facility and/or Equipment including, but not limited to silencers, acoustic louvers, enclosures, absorptive treatment, plenums and barriers. It also means the noise control measures outlined in the Acoustic Assessment Report";
15. "O. Reg. 419/05" means Ontario Regulation 419/05: Air Pollution – Local Air Quality, made under the EPA;
16. "Point of Reception" means Point of Reception as defined by Publication NPC-300;
17. "Process" means the soil vapour extraction and treatment process as described in the Company's application, this Approval and in the supporting documentation submitted with the application, to the extent approved by this Approval;
18. "Publication NPC-207" means the Ministry draft technical publication "Impulse 18.

Vibration in Residential Buildings”, November 1983, supplementing the Model Municipal Noise Control By-Law, Final Report, published by the Ministry, August 1978, as amended;

19. "Publication NPC-233" means the Ministry Publication NPC-233, "Information to be Submitted for Approval of Stationary Sources of Sound", October 1995 as amended;
20. "Publication NPC-300" means the Ministry Publication NPC-300, "Environmental Noise Guideline, Stationary and Transportation Sources – Approval and Planning, Publication NPC-300", August 2013, as amended;
21. "Remedial Work Plan" means a plan, developed for the Process at the site and prepared as a single document as described in Condition 2;
22. "Soil, Groundwater and Sediment Standards" means the Ministry publication "Soil, Groundwater and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" dated April 15, 2011, as amended;
23. "Supporting Documents" means the Ministry publications that accompany the Soil, Groundwater and Sediment Standards including "Guide for Completing Phase II Environmental Site Assessments under Ontario Regulation 153/04" dated June 2011, as amended; and
24. "Target Compounds" means the volatile organic compounds as described in the Company's application, this Approval and in the supporting documentation submitted with the application, to the extent approved by this Approval, that the Equipment is designed to treat.

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. PERFORMANCE REQUIREMENTS

1. The Company shall, at all times, design and operate the Process with the intent to reduce the soil/groundwater concentrations of the Target Compounds to comply with the appropriate criteria provided in the Soil, Groundwater and Sediment Standards, appropriate worker health and safety criteria, or site specific criteria developed in accordance with the Supporting Documents.
2. The Company shall:

- a. at all the times, ensure that the noise emissions from the Facility comply with the limits set in Ministry Publications NPC-300; and
 - b. ensure that the Noise Control Measures outlined in section 3.1 of the Acoustic Assessment Report are properly maintained and continue to provide the acoustical performance outlined in the Acoustic Assessment Report.
3. The Company shall, at all times, ensure that the vibration emissions from the Facility comply with the limits set out in Ministry Publication NPC-207.

2. REMEDIAL WORK PLAN

1. The Company shall, not later than three (3) months after the date of this Approval, prepare a Remedial Work Plan designed with specific application for the Process at the site that specifies, as a minimum:
 - a. the remedial objectives established for the site;
 - b. a description of the site;
 - c. an overview of the work to be undertaken at the site;
 - d. locations of on-site and off-site receptors and potential migration pathways;
 - e. a site plan overview of the extent of contamination at the site;
 - f. locations of the proposed Equipment and points of application of the Process;
 - g. land uses at the site and in the immediate surrounding vicinity;
 - h. alternative remedial measures to be undertaken in the event that the Process is not successful to meet the Remedial Work Plan objectives.

3. OPERATION AND MAINTENANCE

1. The Company shall ensure that the Equipment is properly operated and maintained at all times. The Company shall:
 - a. prepare, not later than three (3) months after the date of this Approval, and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including:
 - i. routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;
 - ii. procedures to inspect, test and replace the activated carbon media in the GAC before it is Exhausted;
 - iii. procedures to prevent upset conditions and contingency measures;

- iv. emergency procedures, including spill clean-up procedures;
- v. procedures for any record keeping activities relating to operation and maintenance of the Equipment; and
- vi. all appropriate measures to minimize noise and odorous emissions from all potential sources;

b. implement the recommendations of the Manual.

2. The Company shall ensure that the GAC is replaced before it is Exhausted.

4. MONITORING

1. The Company shall, not later than three (3) months after the date of this Approval, design and implement a Monitoring Plan, in accordance with the Supporting Documents, for the soil/groundwater at the site to document that the Performance Requirements outlined in Condition 1 are not exceeded and that the Remedial Work Plan objectives are achieved. The Monitoring Plan shall specify, as a minimum:
 - a. the Monitoring Plan objectives;
 - b. a list of analytical and/or indicator parameters;
 - c. identification of potential migration pathways on-Site and off-Site;
 - d. procedures for monitoring any potential off-Site migration;
 - e. approximate monitoring locations and frequency of the monitoring, prior to, during and after the Process; and
 - f. sampling methodology and QA/QC procedures, when applicable.

5. RECORD RETENTION

1. The Company shall retain, for a minimum of two (2) years from the date of their creation, all records and information related to or resulting from the recording activities required by this Approval, and make these records available for review by staff of the Ministry upon request. The Company shall retain:
 - a. all records on the maintenance, repair and inspection of the Equipment; and
 - b. all records of any environmental complaints, including:
 - i. a description, time and date of each incident to which the complaint relates;
 - ii. wind direction at the time of the incident to which the complaint relates; and

- iii. a description of the measures taken to address the cause of the incident to which the complaint relates and to prevent a similar occurrence in the future.

6. NOTIFICATION OF COMPLAINTS

1. The Company shall notify the District Manager, in writing, of each environmental complaint within two (2) business days of the complaint. The notification shall include:
 - a. a description of the nature of the complaint; and
 - b. the time and date of the incident to which the complaint relates.

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

1. Condition No. 1 is included to provide the minimum performance requirements considered necessary to prevent adverse effects.
2. Condition No. 2 is included to require the Company to gather accurate information and prepare a work plan prior to carrying out the Process at the site so that compliance with the EPA and this Approval can be verified.
3. Condition No. 3 is included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the EPA, the Regulations and this Approval.
4. Condition No. 4 is included to require the Company to gather accurate information so that compliance with the EPA and this Approval can be verified.
5. Condition No. 5 is included to require the Company to keep records and to provide information to staff of the Ministry so that compliance with the EPA, the Regulations and this Approval can be verified.
6. Condition No. 6 is included to require the Company to notify staff of the Ministry so as to assist the Ministry with the review of the site's compliance.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 1571-9EJTVL issued on January 22, 2014

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 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:

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

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

This Notice must be served upon:

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

and

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

and

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

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

This instrument is subject to Section 38 of the *Environmental Bill of Rights*, 1993, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at <https://ero.ontario.ca/>, you can determine when the leave to appeal period ends.

The above noted activity is approved under s.20.3 of Part II.1 of the *Environmental Protection Act*.

DATED AT TORONTO this 29th day of April, 2022

A handwritten signature in black ink that reads "Nancy Orpana". The signature is written in a cursive, flowing style.

Nancy E Orpana, P.Eng.

Director

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

KS/

c: District Manager, MECP Timmins

Emily Lau, Golder Associates Ltd.