

**AMENDMENT TO ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER 7819-AR5R9P

Notice No. 2

Issue Date: June 26, 2019

NOVA Chemicals (Canada) Ltd. / NOVA Chimie (Canada) Ltee.  
Post Office Box, No. 3060  
Sarnia, Ontario  
N7T 8C7

Site Location: 785 Petrolia Line  
St. Clair Township, County of Lambton  
N0N 1G0

*You are hereby notified that I have amended Approval No. 7819-AR5R9P issued on October 20, 2017 for a petrochemical manufacturing facility , as follows:*

- removal of Crude Unit Heaters (BA-1001 A and BA-1501) from Table 2;
- updating Crude Unit fugitive emissions (LDR\_CRD, DR-CRD) ;
- removal of Cracking Heater (BA2102) from Table 2;
- removal of fuel oil combustion from the operating scenarios for Superheaters A, B and C (BA-2114A/B/C) listed in Table 2;
- updating the plant fuel oil (PFO) composition and decoke scenarios for boilers and heaters;
- adding residual fuel oil (RFO) service to Tanks 46 and 47 listed in Table 1;
- adding mixed C5 stream to Tanks 23 and 37 listed in Table 1;
- correcting Tank 11 (listed in Table 1) capacity to 54,248 cubic metres;
- replacement of laboratory sump (T9708) listed in Table 1;

The reason(s) for this amendment to the Approval is (are) as follows:

all in accordance with the application for amendment of Environmental Compliance Approval No. 7819-AR5R9P dated November 30, 2018 and signed by Richard Ilves, and the supporting information and documentation prepared by NOVA Chemicals (Canada) Ltd.

**The following Definitions from Approval No. 7819-AR5RP9 dated October 20, 2017 are revoked:**

1. "Acoustic Assessment Report" means the report, prepared in accordance with Publication NPC-233 by Corey Kinart, P.Eng. of Howe Gastmeier Chapnik Limited and dated August 1, 2014, submitted in support of the application, that documents all sources of noise emissions and Noise Control Measures present at the Facility;
21. "Noise Control Measures" means measures to reduce the noise emissions from the Facility and/or Equipment including, but not limited to, silencers, acoustic louvres, enclosures, absorptive treatment, plenums and barriers;

**and replaced by the following Definitions:**

1. "Acoustic Assessment Report" means the report, prepared in accordance with Publication NPC-233 submitted in support of the application, that documents all sources of noise emissions and Noise Control Measures present at the Facility. "Acoustic Assessment Report" also means the Acoustic Assessment Report prepared by HGC Engineering, dated December 6, 2018 and signed by Corey Kinart, P.Eng.
21. "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.

**The following Condition is added to Approval No. 7819-AR5RP9 dated October 20, 2017:**

## **7. NOISE CONTROL MEASURES**

1. The Company shall:
  - a. implement, prior to the commencement of operation of the proposed future Equipment, the Noise Control Measures as outlined in the Acoustic Assessment Report;
  - b. ensure, subsequent to the implementation of the Noise Control Measures, that the noise emissions from the Facility comply with the limits set in Ministry Publication NPC-300; and
  - c. ensure that the Noise Control Measures are properly maintained and continue to provide the acoustical performance outlined in the Acoustic Assessment Report.

**Condition No. 7 is added for the following reason:**

Condition No. 7 is included to provide minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the Facility/Equipment.

All other terms and conditions in the Approval remain unchanged.

**This Notice shall constitute part of the approval issued under Approval No. 7819-AR5R9P dated October 20, 2017**

*In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me, the Environmental Review 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 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:*

The Secretary\*  
Environmental Review Tribunal  
655 Bay Street, Suite 1500  
Toronto, Ontario  
M5G 1E5

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 Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or [www.ert.gov.on.ca](http://www.ert.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 [www.ebr.gov.on.ca](http://www.ebr.gov.on.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 26th day of June, 2019



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Jeffrey McKerrall, P.Eng.  
Director  
appointed for the purposes of Part II.1 of the  
*Environmental Protection Act*

AH/

c: District Manager, MECP Sarnia  
Amit Patel, NOVA Chemicals (Canada) Ltd.