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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 6351-BD4PF7

Issue Date: June 13, 2019

507656 N.B. Inc.  
20 Autoliv Drive  
Tilbury, Ontario  
N0P 2L0

**Site Location:** 20 Autoliv Drive, Chatham-Kent Municipality, Ontario.

*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) exhaust system, serving Coating Line No.1, equipped with a natural gas fired thermal fluid drying oven;
- one (1) exhaust system, serving Coating Line No.2, equipped with a natural gas fired thermal fluid drying oven;
- one (1) exhaust system, serving laser cloth cutting operations;
- two (2) natural gas fired thermal oil heaters, each having a maximum heat input of 3,481,684 kilojoules per hour;
- one (1) natural gas fired process steam boiler, having a maximum heat input of 12,344,154 kilojoules per hour;
- one (1) exhaust system, serving the scouring dryer;
- one (1) exhaust system, serving a one (1) spray can paint station and one (1) welding hood applying welding electrode at a maximum usage rate of 2.28 kilograms per hour;
- one (1) diesel engine driven emergency fire pump, rated at 140 horsepower at 1750 rpm, fitted with a silencer;
- one (1) laboratory fume hood;
- one (1) natural gas fired regenerative thermal oxidizer, having a maximum heat input of 4,010,000 kilojoules per hour, used to control emissions from the exhaust system serving Coating Line 3;
- one (1) natural gas fired thermal oil heater, having a maximum heat input of 5,856,000 kilojoules per hour;
- two (2) natural gas fired thermal oil heaters, each having a maximum heat input of 8,335,000 kilojoules per hour;

discharging into the air via applicable exhaust systems, as described in the *ESDM*

*Report .*

All in accordance with the Application for an Environmental Compliance Approval (Air and Noise) and all supporting information dated March 21, 2019, signed by Ryan Stevens of 507656 N.B. Inc.

*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* 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 Aercoustics Engineering Ltd., dated September 27, 2018 and signed by Derek Flake, P.Eng.;
2. "*Approval*" means this Environmental Compliance Approval, including the application and supporting documentation listed above;
3. "*Company*" means 507656 N.B. Inc., that is responsible for the construction or operation of the *Facility* and includes any successors and assigns;
4. "*District Manager*" means the District Manager of the appropriate local district office of the *Ministry*, where the *Facility* is geographically located;
5. "*ESDM Report*" means the Emission Summary and Dispersion Modelling Report, Version 4.0 which was prepared in accordance with section 26 of *O. Reg. 419/05* and the *Ministry* guidance document titled "Procedure for Preparing an Emission Summary and Dispersion Modelling Report" dated February 2017, as amended, prepared by Roop Chanderdat and Associates Inc. and dated March 21, 2019, submitted in support of the application, and includes any changes to the report made up to the date of issuance of this *Approval*;
6. "*EPA*" means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended ;
7. "*Equipment*" means all the equipment, including all the equipment 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. "*Facility*" means the entire operation located on the property where the *Equipment* is located;
9. "*Manual*" means a document or a set of documents that provide written instructions to staff of the *Company*;

10. "*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;
11. "*Noise Control Measures*" means measures to reduce the noise emission from the *Facility* including, but not limited to silencers, acoustic louvres, enclosures, absorptive treatment, plenums and barriers. It also means the noise control measures outlined in the *Acoustic Assessment Report*;
12. "*Publication NPC-233*" means the *Ministry* Publication NPC-233, "Information to be Submitted for Approval of Stationary Sources of Sound", October, 1995, as amended;
13. "*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; and
14. "*Regenerative Thermal Oxidizer*" means the natural gas fired regenerative thermal oxidizer, used to control emissions from the exhaust system serving Coating Line 3, 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*.

*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. OPERATION AND MAINTENANCE**

1. The *Company* shall ensure that the *Equipment* is properly operated and maintained at all times. The *Company* shall:
  - a. prepare, before commencement of operation of the *Equipment* 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. emergency procedures, including spill clean-up procedures;
    - iii. procedures for any record keeping activities relating to operation and maintenance of the *Equipment*;
    - iv. all appropriate measures to minimize particulate matter, noise and

odorous emissions from all potential sources;

b. implement the recommendations of the *Manual*.

2. The *Company* shall maintain the operating temperature in the combustion chamber of the *Regenerative Thermal Oxidizer* at a minimum temperature of 815 degrees Celsius, as measured by the continuous temperature monitor at all times when the exhaust gases from Coating Line 3 are directed to the *Regenerative Thermal Oxidizer*.

## 2. CONTINUOUS MONITORING

1. The *Company* shall continuously monitor and record the temperature at the exit of the combustion chamber of the *Regenerative Thermal Oxidizer*. The continuous temperature monitoring and recording system shall comply with the requirements in Schedule "A" of this *Approval*.

## 3. NOISE

1. The *Company* shall:

a. implement the *Noise Control Measures* as outlined in the *Acoustic Assessment Report*;

b. at all times, ensure that the noise emissions from the *Facility* comply with the limits set out in *Ministry Publication NPC-300*; and

c. properly maintain the *Noise Control Measures* ensuring that they continue to meet the acoustical performance outlined in the *Acoustic Assessment Report*.

## 4. 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*;

b. all records produced by the continuous temperature monitoring and recording equipment;

c. all records of any upset conditions associated with the operation of the *Equipment*;and

d. 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.

**5. 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;
  - b. the time and date of the incident to which the complaint relates; and
  - c. 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.

**SCHEDULE "A"**

**Continuous Temperature Monitoring System**

**PARAMETER:**

Temperature

**LOCATION:**

The sample point for the continuous temperature monitoring and recording system shall be at a location where the measurements are representative of the minimum temperature of the gases leaving the combustion chamber of the *Regenerative Thermal Oxidizer*.

**PERFORMANCE:**

The Continuous Temperature Monitor shall meet the following minimum performance specifications for the following parameters:

<b>PARAMETERS</b>	<b>SPECIFICATION</b>
Type	shielded "K" type thermocouple, or equivalent
Accuracy	5 degrees Celsius or less.

**DATA RECORDER:**

The data recorder must be capable of registering continuously the measurement of the monitor without a significant loss of accuracy and with a time resolution of 5 minutes or

better.

## **RELIABILITY:**

The monitor shall be operated and maintained so that accurate data is obtained during a minimum of 90 percent of the time, on a monthly basis, when the Equipment is in operation.

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

1. Condition No. 1 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*.
2. Condition No. 2 is included to require the *Company* to gather information on a continuous basis so that compliance with the *EPA*, the Regulations and this *Approval* can be verified.
3. Condition No. 3 is included to provide the minimum performance requirement considered necessary to prevent an adverse effect resulting from the operation of the *Facility*.
4. Condition No. 4 is included to require the *Company* to keep records and to provide information to the Ministry so that compliance with the *EPA*, the regulations and this *Approval* can be verified.
5. Condition No. 5 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). 7349-9UATNL issued on December 23, 2015.**

*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 13th day of June,  
2019

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

QN/  
c: Area Manager, MECP Windsor

c: District Manager, MECP Sarnia  
Tim Boose, Roop Canderdat and Associates Inc.