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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 8499-BDRL7U

Issue Date: November 26, 2019

1600997 Ontario Inc.  
Operating As C&C Coatings  
1380 Lougar Avenue  
Sarnia, Ontario  
N7S 5N7

**Site Location:** 1380 Lougar Avenue, Sarnia, 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) curing oven, having a heat input of 2,200,000 kilojoules per hour, discharging into the air via a stack having an exit diameter of 0.15 metre, extending 1.7 metres above the roof and 6.7 metres above grade;
- one (1) natural gas fired heat cleaning oven, equipped with a primary burner having a heat input of 316,500 kilojoules per hour and a secondary burner having a heat input of 633,000 kilojoules per hour, discharging into the air via a stack having an exit diameter of 0.41 metre, extending 0.9 metres above the roof and 5.9 metres above grade;
- one (1) 62.5 horsepower diesel compressor, discharging into the air via a stack having an exit diameter of 0.1 metre, terminating at 0.5 metre above grade;
- one (1) powder coating spray booth, having an application rate of 0.5 kilograms per hour, equipped with 32 square metres of dry filters, discharging into the air via a stack having an exit diameter of 0.86 metre, extending 2.43 metres above the roof and 7.5 metres above grade;
- one (1) abrasive blasting operation located in an enclosed shed equipped with a dust collector exhausting back into the shed;

All in accordance with the Applications for an Environmental Compliance Approval (Air and Noise) and all supporting information dated July 14, 2017 and signed by Tom Bartlett of 1600997 Ontario 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* and Appendix A of the *Basic Comprehensive User Guide*, by Howe Gastmeier Chapnik Limited, dated May 31, 2019 and signed by Petr Chocensky and Robert Stevens, submitted in support of the application, that documents all sources of noise emissions and *Noise Control Measures* present at the *Facility*;
2. "*Approval*" means this Environmental Compliance Approval, including the application and supporting documentation listed above;
3. "*Company*" means 1600997 Ontario Inc., operating as C&C Coatings, 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. "*EPA*" means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended ;
6. "*Equipment*" means 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*;
7. "*Facility*" means the entire operation located on the property where the *Equipment* is located;
8. "*Heat Cleaning Oven*" means the heat cleaning oven, described in the *Company's* application, this *Approval* and in the supporting documentation submitted with the application, to the extent approved by this *Approval*;
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 emissions from the *Facility* and/or *Equipment* including, but not limited to, silencers, acoustic louvres, enclosures, absorptive treatment, plenums and barriers;
12. "*Point of Reception*" means Point of Reception as defined by *Publication NPC-300*;
13. "*Publication NPC-207*" means the *Ministry* draft technical publication "Impulse Vibration in Residential Buildings", November 1983, supplementing the Model Municipal Noise Control By-Law, Final Report, published by the *Ministry*, August 1978, as amended;
14. "*Publication NPC-233*" means the *Ministry* Publication NPC-233, "Information to

be Submitted for Approval of Stationary Sources of Sound", October, 1995, as amended; and

15. "*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.

*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*; and
  - c. retain, for a minimum of two (2) years from the date of their creation, all records on the maintenance, repair, inspection of the *Equipment* and records of the continuous temperature monitoring of the *Heat Cleaning Oven*, and make these records available for review by staff of the *Ministry* upon request.
2. The *Company* shall ensure that no chlorinated and/or fluorinated compounds, including polyvinyl chloride and Teflon, are introduced into the *Heat Cleaning Oven*.
3. The *Company* shall operate the *Heat Cleaning Oven* in such a manner that the temperature in the secondary combustion chamber, is maintained at a

minimum of 871 degrees Celsius at all times, for a minimum retention time of one second, when the *Heat Cleaning Oven* is in operation .

4. The *Company* shall continuously monitor and record the operating temperature of the *Heat Cleaning Oven*, when the *Heat Cleaning Oven* is in operation. The continuous temperature monitoring and recording system shall comply with the specifications outlined in Schedule A.

## 2. 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.

## 3. NOISE

1. The *Company* shall, at all times, ensure that the noise emissions from the *Facility/ Equipment* comply with the limits set out in *Ministry Publication NPC-300*.
2. The *Company* shall restrict all operations at the *Facility* to daytime and evening hours between 7 a.m. and 11 p.m.
3. The *Company* shall implement the following *Noise Control Measures* as outlined in the *Acoustic Assessment Report*:
  - a. ensure that the proposed baghouse installed to control the emissions from the heat cleaning oven does not exceed a sound pressure level 79 dBA at distance of 3 metres; and
  - b. within twelve (12) months after the issuance of this *Approval*, the installation of the acoustic barrier located immediately north of the diesel-fired compressor, having a width of 4 metres, a height of 2 metres and a minimum surface density of 20 kilograms per square metre, as described in the *Acoustic Assessment Report*.
4. The *Company* shall 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*.
5. The *Company* shall ensure that the vibration emissions from the *Facility* comply with the limits set out in *Ministry Publication NPC-207*.
  - a.

# SCHEDULE "A"

## Continuous Temperature Monitor

### PARAMETER:

Temperature

### LOCATION:

The sample point for the continuous temperature monitoring and recording system shall be located in the combustion chamber at a location where the measurements are representative of the minimum temperature of the gases leaving the secondary combustion chamber of the *Heat Cleaning Oven*.

### PERFORMANCE:

The continuous Temperature Monitor shall meet the following minimum performance specifications for the following parameters.

### PARAMETER SPECIFICATION

Type shielded "K" type thermocouple, or equivalent.

Accuracy +/- 5 degrees Celsius

### 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 and the recorder shall be operated and maintained so that accurate data is obtained during a minimum of 90 percent of the time, on a monthly basis.

*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* and to keep records to provide information to the Ministry so that compliance with the *EPA*, the regulations and this *Approval* can be verified.
2. Condition No. 2 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.
3. Condition No. 3 is included to provide the minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the *Facility* and to require the *Company* to gather accurate information so that the

environmental impact and subsequent compliance with the *EPA*, the regulations and this *Approval* can be verified.

**Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 4426-687JLW issued on January 4, 2005.**

*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
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\* 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  
November, 2019

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

QN/  
c: District Manager, MECP Sarnia  
Giulia Celli, ORTECH Consulting Inc.