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

**ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER 2435-BCZRCC

Issue Date: September 11, 2019

Samuel, Son & Co., Limited  
2360 Dixie Road  
Mississauga, Ontario  
L4Y 1Z7

**Site Location:** 546 Elgin Street  
Brantford City, County of Brant  
N3S 7P8

*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:*

A metal blanking facility for manufacturing metal automotive parts, consisting of the following equipment:

- seven (7) metal presses No. 2702, 2706 to 2709, 2711 and 2712;
- one (1) forklift refuelling station;
- one (1) baghouse serving the woodworking operations;
- one (1) exhaust system serving the maintenance welding shop;
- one (1) natural gas fired process boiler, designated as B1, with a maximum heat input of 2,109,057 kilojoules per hour, serving the parts washer, discharging to the air at a volumetric flow rate of 0.0811 cubic metres per second through a stack, having an exit diameter of 0.203 metres, extending 16.15 metres above grade and 2.13 metres above the roof;

all in accordance with the application dated September 26, 2018 and signed by Sergio Cipriani for an Environmental Compliance Approval, and the supporting information associated with the application.

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

1. "*Acoustic and Vibration Assessment Report*" means the report, prepared in accordance with *Publication NPC-233* submitted in support of the application, that documents all sources of noise and vibration emissions, *Noise Control Measures*

and *Vibration Control Measures* present at the *Facility*. "*Acoustic and Vibration Assessment Report*" also means the Acoustic and Vibration Assessment Report prepared by Valcoustics Canada Ltd., dated July 31, 2019 and signed by Guansheng (Sam) Du, P.Eng.;

2. "*Approval*" means this Environmental Compliance Approval, including the application and supporting documentation listed above;
3. "*Company*" means Samuel, Son & Co., Limited, 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 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. "*Independent Vibration Consultant*" means an *Vibration Consultant* who is not representing the *Company* and was not involved in preparing the *Acoustic and Vibration Assessment Report* or the design/implementation of *Vibration Control Measures* for the *Facility* and/or *Equipment*. The *Independent Vibration Consultant* shall not be retained by the *Vibration Consultant* involved in the vibration impact assessment or the design/implementation of *Vibration Control Measures* for the *Facility* and/or *Equipment*;
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;
12. "*Publication NPC-103*" means the *Ministry* Publication NPC-103 of the Model Municipal Noise Control By-Law, Final Report, August 1978, published by the *Ministry* as amended;
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;
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;
16. "*Vibration Audit*" means an investigative procedure consisting of measurements and/or modelling of all sources of vibration emissions due to the operation of the *Facility*, assessed to determine compliance with the performance limits for the *Facility* regarding vibration emissions, completed in accordance with the procedures set in *Publication NPC-103* and *Publication NPC-207*, and reported in accordance with *Publication NPC-233*;
17. "*Vibration Audit Report*" means a report presenting the results of an *Vibration Audit*, prepared in accordance with *Publication NPC-233*;
18. "*Vibration Consultant*" means a person currently active in the field of vibration control, who is familiar with *Ministry* vibration guidelines and procedures and has a combination of formal university education, training and experience necessary to assess vibration emissions from a *Facility*; and
19. "*Vibration Control Measures*" means measures to reduce the vibration emissions from the *Facility* and/or *Equipment* including, but not limited to vibration isolators, flexible connectors, damping material and vibration attenuation trenches.

*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, 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. emergency procedures;
- iii. procedures for any record keeping activities relating to operation and maintenance of the *Equipment*;
- iv. all appropriate measures to minimize noise and dust emissions from all potential sources; and
- v. the frequency of inspection and replacement of the filter material in the baghouse;

b. implement the recommendations of the *Manual*.

## 2. 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.

## 3. 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.

## 4. NOISE

1. The *Company* shall, at all times, ensure that the noise emissions from the *Facility* comply with the limits set out in *Ministry Publication NPC-300*.

## 5. VIBRATION

1. The *Company* shall ensure that the vibration emissions from the *Facility* comply with the limits set in *Ministry Publication NPC-207*;
2. The *Ministry* will accept the current vibration emissions from the *Facility* provided the *Ministry* does not receive vibration complaints from area residents pertinent to activities at the *Facility*. In the event of complaints, the *Ministry* may impose conditions on the operation of the *Facility* and/or require the *Company* to take immediate action to alleviate the adverse vibration emissions from activities at the *Facility*.

## 6. **VIBRATION AUDIT**

1. The *Company* shall carry out *Vibration Audit* measurements on the actual vibration emissions due to the operation of the *Facility*, if vibration complaints are received by the *Ministry* from area residents pertinent to activities at the *Facility*. The *Company*:
  - a. shall carry out *Vibration Audit* measurements in accordance with the procedures in *Publication NPC-103* and *Publication NPC-207*;
  - b. shall submit an *Vibration Audit Report* on the results of the *Vibration Audit*, prepared by an *Independent Vibration Consultant*, in accordance with the requirements of *Publication NPC-233*, to the *Director and the District Manager*, not later than three (3) months after the receipt of a vibration complaint by the *Ministry*.
2. The *Director*:
  - a. may not accept the results of the *Vibration Audit* if the requirements of *Publication NPC-103*, *Publication NPC-207* and *Publication NPC-233* were not followed;
  - b. may require the *Company* to repeat the *Vibration Audit* if the results of the *Vibration Audit* are found unacceptable to the *Director*.

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

1. Condition number 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 number 2 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.
3. Condition number 3 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.

4. Condition number 4 and 5 is included to provide the minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the *Facility*.
5. Condition number 6 is included to require the *Company* to gather accurate information and submit an *Vibration Audit Report* in accordance with procedures set in the *Ministry's* vibration guidelines, so that the environmental impact and subsequent compliance with this *Approval* can be verified.

*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.

*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 11th day of September,  
2019

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

AH/  
c: District Manager, MECP Guelph  
Jessica Knox, Airzone One Ltd.