

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 2163-BMLJBH
Issue Date: March 23, 2020

Aberfoyle Metal Treaters Ltd.
18 Kerr Crescent, R.R. 3
Puslinch, Ontario
N0B 2J0

Site Location: 18 Kerr Crescent
Puslinch Township, County of Wellington
N0B 2J0

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) heat treating furnace, equipped with thirty-two (32) natural gas-fired burners having a maximum total aggregate heat input of 50,640,000 kilojoules per hour, discharging to the air through four (4) individual stacks (ID: FE11, FE12, FE13, FE13), with each stack discharging at a maximum volumetric flow rate of 1.42 cubic metres per second, having an exit diameter of 0.36 metre, and extending 0.5 metre above the roof and 8.5 metres above grade;
- one (1) heat treating furnace, equipped with four (4) natural gas-fired burners having a maximum total aggregate heat input of 12,660,000 kilojoules per hour, discharging the air at a maximum volumetric flow rate of 2.12 cubic metres per second through a stack (ID: FE2) having an exit diameter of 0.91 metre, and extending 0.5 metre above the roof and 6 metres above grade;
- one (1) heat treating furnace, equipped with twelve (12) natural gas-fired burners having a maximum total aggregate heat input of 4,557,600 kilojoules per hour, discharging to the air through three (3) individual stacks (ID: FE31, FE32, FE33), with each stack discharging at a maximum volumetric flow rate of 0.25 cubic metre per second, having an exit diameter of 0.91 metre, and extending 0.5 metre above the roof and 6 metres above grade;

- one (1) heat treating furnace, equipped with four (4) natural gas-fired burners having a maximum total aggregate heat input of 16,880,000 kilojoules per hour, discharging to the air at a maximum volumetric flow rate of 1.93 cubic metres per second through a stack (ID: FE4) having an exit diameter of 0.91 metre, and extending 0.5 metre above the roof and 6 metres above grade;
- one (1) heat treating furnace, equipped with two (2) natural gas-fired burners having a maximum total aggregate heat input of 5,064,000 kilojoules per hour, discharging to the air at a maximum volumetric flow rate of 0.83 cubic metre per second through a stack (ID: FE5) having an exit diameter of 0.52 metre, and extending 1 metre above the roof and 6 metres above grade;
- one (1) natural gas-fired heater, serving Quench Tank 1, having a maximum heat input of 865,100 kilojoules per hour, discharging to the air at a maximum volumetric flow rate of 0.08 cubic metre per second, through an exhaust (ID: QT1H) having an exit diameter of 0.18 metre, and located 0.91 metre above grade;
- one (1) natural gas-fired heater, serving Quench Tank 2, having a maximum heat input of 5,591,500 kilojoules per hour, discharging to the air at a maximum volumetric flow rate of 0.96 cubic metre per second, through an exhaust (ID: QT2H) having an exit diameter of 0.2 metre, and located 1 metre above grade;
- one (1) natural gas-fired heater, serving Quench Tank 3, having a maximum heat input of 327,050 kilojoules per hour, discharging to the air at a maximum volumetric flow rate of 0.03 cubic metre per second, through an exhaust (ID: QT3H) having an exit diameter of 0.15 metre, and located 2.49 metres above grade;
- one (1) tray scrubber, located in the Blasting and Coating Building, to control particulate emissions from the shot blast process with a minimum removal efficiency of 95 percent, discharging to the air at a maximum volumetric flow rate of 9.43 cubic metres per second through a stack (ID: WS-1) having an exit diameter of 0.56 metre, extending 5.49 metres above grade;
- one (1) paint spray booth, located in the Blasting and Coating Building, having a maximum paint consumption rate of 4.7 litres per hour, equipped with dry type paint arrestor filters, discharging to the air through two (2) individual stacks (ID: PR-1A, PR-1B), with each stack discharging at a maximum volumetric flow rate of 11.8 cubic metres per second, having an exit diameter of 1 metre, and extending 5.8 metres above the roof and 16.4 metres above grade;
- one (1) paint spray booth, located in the Blasting and Coating Building, having a maximum paint consumption rate of 4.7 litres per hour, equipped with dry type paint arrestor filters, discharging to the air at a maximum volumetric flow rate of 11.8 cubic metres per second through a stack having an exit diameter of 0.88 metre, and extending 2.56 metres above the roof and 13.16 metres above grade;
- fugitive emissions from the media blasting operations at the *Quonset Hut*;

all in accordance with the Environmental Compliance Approval application submitted by Aberfoyle Metal treated Ltd., dated April 18, 2019, signed by John Beingessner, President; the supporting Emission Summary and Dispersion Modelling Report prepared by Andrew Lane-Smith, P.Eng., Adomait Environmental Solutions Inc., dated April 18, 2019; and the additional information submitted by Andrew Lane-Smith, P.Eng., Adomait Environmental Solutions Inc. via emails, dated February 7, 2020 and March 3, 2020.

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

1. "Approval" means this Environmental Compliance Approval, including the application and supporting documentation listed above;
2. "Company" means Aberfoyle Metal Treaters Ltd., that is responsible for the construction or operation of the *Facility* and includes any successors and assigns;
3. "District Manager" means the District Manager of the appropriate local district office of the *Ministry*, where the *Facility* is geographically located;
4. "EPA" means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended;
5. "Equipment" means the equipment and processes described in the *Company* 's application, this *Approval* and in the supporting documentation submitted with the application, to the extent approved by this *Approval*;
6. "Facility" means the entire operation located on the property where the *Equipment* is located;
7. "Manual" means a document or a set of documents that provide written instructions to staff of the *Company*;
8. "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;
9. "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;
10. "Quonset Hut" means the building at the rearmost point of the property where media blasting operations occur.

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, 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 noise and odorous emissions from all potential sources;
 - b. implement the recommendations of the *Manual*.
2. The *Company* shall ensure that all doors and windows of the *Quonset Hut* remain fully closed while media blasting operations are occurring inside the building, except when being used for personnel ingress and egress.

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*.

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 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 No. 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 No. 4 is included to provide the minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the *Facility*.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 9674-6K2KNT issued on March 3, 2006.

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

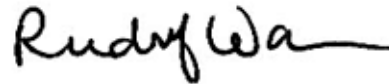
The Director appointed for the purposes of
Part II.1 of the Environmental Protection Act
Ministry of the Environment,
Conservation and Parks
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** 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**

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 23rd day of March, 2020



Rudolf Wan, P.Eng.

Director

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

ES/

c: District Manager, MECP Guelph District Office
Andrew Lane-Smith, adomait Environmental Solutions Inc.