

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 1622-BNFPW7

Issue Date: May 15, 2020

Metal Improvement Company Inc.
105 Alfred Kuehne Boulevard
Brampton, Ontario
L6T 4K3

Site Location: 115 Alfred Kuehne Boulevard
Brampton, 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) Crossing Air-Tech Systems paint booth, equipped with 7.8 square metres of filter material, also equipped with a direct fired natural gas make-up air unit (drying oven), having a maximum heat input of 1,055,055 kilojoules per hour, all discharging to the air at a volumetric flow rate of 4.25 cubic metres per second, through a roof stack referenced as Stack ID PB-1, having an exit diameter of 0.61 metre, extending 2.44 metres above the roof and 12.6 metres above grade;
- one (1) DeVilbiss paint booth, equipped with 2.23 square metres of filter material, discharging to the air at a volumetric flow rate of 2.35 cubic metres per second, through a roof stack referenced as Stack ID PB-2, having an exit diameter of 0.61 metre, extending 2.44 metres above the roof and 12.6 metres above grade;
- one (1) penetrant/rinse (dye) spray booth, discharging to the air at a volumetric flow rate of 3.17 cubic metres per second, through a roof stack referenced as Stack ID DB-1, having an exit diameter of 0.61 metre, extending 1.52 metres above the roof and 11.68 metres above grade;
- one (1) exhaust stack, serving a dip and spin paint machine, discharging to the air at a volumetric flow rate of 0.33 cubic metre per second, through a roof stack referenced as Stack ID DS-1, having an exit diameter of 0.15 metre, extending 2.72 metres above the roof and 12.88 metres above grade;
- one (1) exhaust stack, serving a paint mixing room, discharging to the air at a volumetric flow rate of 0.43 cubic metre per second, through a roof stack referenced as Stack ID PR-1, having an exit diameter of 0.30 metre, extending 2.54 metres above the roof and 12.7 metres above grade;
- one (1) exhaust stack, serving a paint storage room, discharging to the air at a volumetric flow rate of 0.33 cubic metre per second, through a roof stack referenced as Stack ID PR-2, having an exit diameter of 0.30 metre, extending

2.54 metres above the roof and 12.7 metres above grade;

- one (1) natural gas-fired drying oven, having a maximum heat input of 1,582,500 kilojoules per hour, discharging to the air at a volumetric flow rate of 0.47 cubic metre per second, through a roof stack referenced as Stack ID DO-1, having an exit diameter of 0.25 metre, extending 2.21 metres above the roof and 12.37 metres above grade;
- one (1) natural gas-fired drying oven, having a maximum heat input of 791,250 kilojoules per hour, discharging to the air at a volumetric flow rate of 0.47 cubic metre per second, through a roof stack referenced as Stack ID DO-3, having an exit diameter of 0.25 metre, extending 1.52 metres above the roof and 11.68 metres above grade;
- one (1) horizontal wet packed bed scrubber, serving one (1) hydrofluoric acid etch tank line and one (1) hydrochloric acid etch tank line, discharging to the air at a volumetric flow rate of 14.06 cubic metre per second, through a roof stack referenced as Stack ID S-1, having an exit diameter of 0.86 metre, extending 2.13 metres above the roof and 12.29 metres above grade;
- one (1) exhaust stack, serving a varsol de-greasing station, discharging to the air at a volumetric flow rate of 0.47 cubic metre per second, through a roof stack referenced as Stack ID V-1, having an exit diameter of 0.30 metre, extending 1.88 metres above the roof and 12.04 metres above grade;
- one (1) exhaust stack, discharging emissions from two (2) nitric acid storage tanks, discharging to the air at a volumetric flow rate of 0.47 cubic metre per second, through a roof stack referenced as Stack ID N-1, having an exit diameter of 0.30 metre, extending 1.83 metres above the roof and 11.99 metres above grade;
- one (1) natural gas-fired on demand process water heater, having a maximum heat input of 110,775 kilojoules per hour, discharging to the air at a volumetric flow rate of 0.05 cubic metre per second, through a roof stack referenced as Stack ID HWH-1, having an exit diameter of 0.15 metre, extending 1.32 metres above the roof and 11.48 metres above grade;
- one (1) natural gas-fired boiler, having a maximum heat input of 654,135 kilojoules per hour, discharging to the air through a roof stack referenced as Stack ID B-1, having an exit diameter of 0.15 metre, extending 2.13 metres above the roof and 12.29 metres above grade;
- one (1) Baltimore Aircoil cooling tower equipped with mist eliminator baffles, discharging to the air at a volumetric flow rate of 12.46 cubic metres per second, through an exit vent referenced as Stack ID CT-1, having exit dimensions measuring 1.07 metres x 3.66 metres, extending 10.31 metres above grade;

all in accordance with the Application for Environmental Compliance Approval (Air & Noise) submitted by Metal Improvement Company Inc., dated January 8, 2020 and signed by Newton Fernandez, Sr. Corporate C.I. & Business Unit Manager; and the supporting information, including the Emission Summary and Dispersion Modelling Report, submitted by OSB Consulting, dated December 19, 2019 and signed by Stuart Bailey.

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 Metal Improvement Company Inc., 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 or 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.

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; and
 - v. the frequency of inspection and replacement of the filter material in the *Equipment*;
 - 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*.

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). 5768-AC2J7H issued on August 12, 2016.

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 15th day of May, 2020

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

MS/
c: District Manager, MECP Halton-Peel

Stuart Baily, OSB Consulting