

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 3482-D3G75E
Issue Date: April 30, 2024

TC Industries of Canada Company
249 Speedvale Avenue West
Guelph, Ontario
N1H 1C5

Site Location: 249 Speedvale Avenue West
City of Guelph

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) paint spray booth for the application of solvent based coatings at a maximum rate of 5.2 litres per hour, and equipped with dry type paint arrestor filters, discharging to the air at a volumetric flow rate of 1.65 cubic metres per second, through a stack designated Source No. 30, having an exist diameter of 0.61 metre, extending 2.34 metres above the roof and 10.11 metres above grade;
- two (2) flame cutting machines equipped with one (1) baghouse and exhausting internally;
- two (2) flame cutting machines equipped with a water bed and exhausting internally;
- one (1) natural gas fired hardening furnace, having a maximum thermal input of 6,857,863 kilojoules per hour, discharging into the air at a maximum volumetric flow rate of 0.47 cubic metre per second, through a stack designated Source No.21, having an exit diameter of 0.36 metre, extending 2.03 metres above the roof and 11.19 metres above grade;
- one (1) natural gas fired hardening furnace, having a maximum thermal input of 5,275,000 kilojoules per hour, discharging into the air at a maximum volumetric flow rate of 0.52 cubic metre per second, through a stack designated Source No.51, having an exit diameter of 0.36 metre, extending 1.65 metres above the roof and 9.27 metres above grade;

- one (1) natural gas fired hardening furnace, having a maximum thermal input of 6,857,863 kilojoules per hour, discharging into the air at a maximum volumetric flow rate of 1.02 cubic metre per second, through a stack designated Source No.52, having an exit diameter of 0.38 metre, extending 1.31 metres above the roof and 12.21 metres above grade;
- one (1) natural gas fired hardening furnace, having a maximum thermal input of 9,337,244 kilojoules per hour, discharging into the air at a maximum volumetric flow rate of 1.02 cubic metre per second, through a stack designated Source No.52, having an exit diameter of 0.38 metre, extending 1.31 metres above the roof and 12.21 metres above grade;
- one (1) natural gas fired tempering furnace having a maximum thermal input of 6,034,920 kilojoules per hour, discharging into the air at a maximum volumetric flow rate of 12.39 cubic metres per second, through a stack designated as General Exhaust, having an exit diameter of 1.57 metres, extending 1.3 metres above the roof and 12.2 metres above grade;
- one (1) natural gas fired tempering furnace having a maximum thermal input of 1,688,089 kilojoules per hour, discharging into the air at a maximum volumetric flow rate of 12.39 cubic metres per second, through a stack designated as General Exhaust, having an exit diameter of 1.57 metres, extending 1.3 metres above the roof and 12.2 metres above grade;
- one (1) natural gas fired tempering furnace having a maximum thermal input of 5,275,279 kilojoules per hour, discharging into the air at a maximum volumetric flow rate of 12.39 cubic metres per second, through a stack designated as General Exhaust, having an exit diameter of 1.57 metres, extending 1.3 metres above the roof and 12.2 metres above grade;
- one (1) natural gas fired dryer having a maximum thermal input of 7,912,919 kilojoules per hour;
- three (3) natural gas fired make-up air units each having a maximum thermal input of 4,979,863 kilojoules per hour;
- one (1) cooling tower, with a circulating water flow rate of 37.9 litres per second, discharging into the air through a stack designated Source No.45, having an exit diameter of 2.43 metres and extending 5.64 metres above grade;
- one (1) cooling tower, with a circulating water flow rate of 37.9 litres per second, discharging into the air through a stack designated Source No.46, having an exit diameter of 1.98 metres and extending 4.06 metres above grade;
- one (1) cooling tower, with a circulating water flow rate of 17.4 litres per second, discharging into the air through a stack designated Source No.55, having an exit diameter of 1.67 metres and extending 4.04 metres above grade;

- one (1) dip tank for the application of solvent based coatings, discharging into the air at a maximum volumetric flow rate of 12.39 cubic metres per second, through a stack designated as General Exhaust, having an exit diameter of 1.57 metres, extending 1.3 metres above the roof and 12.2 metres above grade; and
- shot blasting operations discharging into the air at a maximum volumetric flow rate of 12.39 cubic metres per second, through a stack designated as General Exhaust, having an exit diameter of 1.57 metres, extending 1.3 metres above the roof and 12.2 metres above grade;

all in accordance with the Environmental Compliance Approval Application submitted by TC Industries of Canada Company, dated March 14, 2022 and signed by Rich Goodchild; the supporting information, including the Emission Summary and Dispersion Modelling Report, submitted by Enviro-Stewards Inc., dated April 2024, and signed by Darrin Kinsey; the Acoustic Assessment Report prepared by Hurlburt Environmental Engineering, dated January 5, 2023 and signed by Antje Hurlburt; and the additional information provided by Antje Hurlburt of Hurlburt Environmental Engineering in emails dated March 16, 2023; and emails dated April 24, 2024 and April 26, 2024 from Darrin Kinsey of Enviro-Stewards 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 Hurlburt Environmental Engineering, dated January 5, 2023 and signed by Antje Hurlburt;
2. "Approval" means this Environmental Compliance Approval, including the application and supporting documentation listed above;
3. "Company" means TC Industries of Canada Company that is responsible for the construction or operation of the Facility and includes any successors and assigns in accordance with section 19 of the EPA;
4. "Director" means a person appointed for the purpose of section 20.3 of the EPA by the Minister pursuant to section 5 of the EPA;
5. "District Manager" means the District Manager of the appropriate local district office of the Ministry, where the Facility is geographically located;
6. "EPA" means the *Environmental Protection Act*, R.S.O. 1990, c.E.19;
7. "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;
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 emissions from the Facility and/or Equipment 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.

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 dust, 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:
 - a. implement by not later than nine (9) months after the date of this Approval, the Noise Control Measures as outlined in the Acoustic Assessment Report;
 - b. ensure, subsequent to the implementation of the Noise Control Measures that the noise emissions from the Facility comply with the limits set out in Ministry Publication NPC-300; and
 - c. ensure that the Noise Control Measures are properly maintained and continue to provide the acoustical performance outlined in the Acoustic Assessment Report.

5. CHANGE OF OWNERSHIP

1. The Company shall notify the Director in writing, and forward a copy of the notification to the District Manger, within thirty (30) days of the occurrence of any of the following changes to the Facility operations:
 - a. the ownership of the Facility;
 - b. the operator of the Facility;
 - c. the address of the Company;
 - d. the partners, where the Company is or any time becomes a partnership and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c. B.17, shall be included in the notification; and
 - e. the name of the corporation where the Company is or at any time becomes a corporation, other than a municipal corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C.39, shall be included in the notification.
2. In the event of any change in ownership of the Facility, the Company shall notify the successor of the existence of this Approval and provide the successor with a copy of this Approval, and the Company shall provide a copy of the notification to the District Manager and the Director.

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.
5. Condition No. 5 is included to require the Company to notify/report to the Ministry so that 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). 6777-9F5P9T

issued on March 20, 2014

In accordance with Section 139 of the *Environmental Protection Act*, you may by written notice served upon me, the Ontario Land 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 ("the Notice") 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:

Registrar*
Ontario Land Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5
OLT.Registrar@ontario.ca

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 Ontario Land Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349 or 1 (866) 448-2248, or www.olt.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 30th day of April, 2024



Nancy E Orpana, P.Eng.
Director
appointed for the purposes of Part II.1 of the
Environmental Protection Act

BR/

c: District Manager, MECP Guelph
Darrin Kinsey, Enviro-Stewards Inc.