

**ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER A-500-1121996758

Version: 1.0

Issue Date: February 4, 2022

*Pursuant to section 20.3 of the Environmental Protection Act, Revised Statutes of Ontario (R.S.O.) 1990, c. E. 19 and subject to all other applicable Acts or regulations this Environmental Compliance Approval is issued to:*

1234479 ONTARIO INC

2459 ANSON DRIVE  
MISSISSAUGA ONTARIO  
L5S 1G1

*For the following site:*

2459 Anson Drive , Mississauga, MISSISSAUGA, ONTARIO, CANADA, L5S 1G1

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s) 9477-7MKJVN, issued on February 26, 2009.

*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) electric nitriding furnace using ammonia, exhausting into the atmosphere at a volumetric flow rate of 0.0079 cubic metres per second, through a stack, having an exit diameter of 0.381 metre, extending 1.80 metres above the roof and 7.80 metres above grade; and
- the following natural gas fired equipment:
  - one (1) natural gas fired carburizing oven IQ3 endothermic gas output (SCA3) having a maximum heat input capacity of 527,528 kilojoules per hour (500,000 Btu/hr), discharging to atmosphere through a stack having an exit diameter of 0.30 metre, extending 1.35 metres above the roof and 7.35 metres above grade;
  - one (1) natural gas fired carburizing oven IQ3 exhaust (SC3) having a maximum heat input capacity of 2,004,606 kilojoules per hour (1,900,000 Btu/hr), discharging to atmosphere through a stack having an exit diameter of 0.25 metre, extending 2.49 metres above the roof and 8.49 metres above grade;
  - one (1) natural gas fired tempering furnace T2 (ST2) having a maximum heat input capacity of 738,539 kilojoules per hour (700,000 Btu/hr), discharging to atmosphere through a stack having an exit diameter of 0.25 metre, extending 1.63 metres above the roof and 7.63 metres above grade;
  - one (1) natural gas fired wash furnace (SW7) having a maximum heat input capacity of 369,270 kilojoules per hour (350,000 Btu/hr), discharging to atmosphere through a stack having an exit diameter of 0.15 metre, extending 1.63 metres above the roof and 7.63 metres above grade;
  - one (1) natural gas fired endothermic gas generator and tempering furnace T5 (SGT5) having a maximum heat input capacity of 1,740,842 kilojoules per hour (1,650,000 Btu/hr), discharging to atmosphere through a stack having an exit diameter of 0.30 metre, extending 1.22 metres above the roof and 7.22 metres above grade;
  - one (1) natural gas fired tempering furnace T4 (ST4) having a maximum heat input capacity of 1,055,056 kilojoules per hour (1,000,000 Btu/hr), discharging to atmosphere through a stack having an exit diameter of 0.23 metre, extending 2.74 metres above the roof and 8.74 metres above grade; and

- one (1) natural gas fired austempering furnace endothermic gas exhaust (A-1A) having a maximum heat input capacity of 1,927,587 kilojoules per hour (1,827,000 Btu/hr), discharging to atmosphere through a stack having an exit diameter of 0.36 metre, extending 1.20 metres above the roof and 7.20 metres above grade;
- one (1) natural gas fired austempering furnace burner exhaust (A-1B) having a maximum heat input capacity of 803,161 kilojoules per hour (761,250 Btu/hr), discharging to atmosphere through a stack having an exit diameter of 0.36 metre, extending 1.20 metres above the roof and 7.20 metres above grade;
- one (1) natural gas fired austempering furnace burner exhaust (A-1C) having a maximum heat input capacity of 803,161 kilojoules per hour (761,250 Btu/hr), discharging to atmosphere through a stack having an exit diameter of 0.36 metre, extending 1.20 metres above the roof and 7.20 metres above grade; and
- one (1) natural gas fired austempering salt bath burner exhaust (A-1D) having a maximum heat input capacity of 535,441 kilojoules per hour (507,500 Btu/hr), discharging to atmosphere through a stack having an exit diameter of 0.40 metre, extending 1.20 metres above the roof and 7.20 metres above grade.

all in accordance with the Application for Approval (Air & Noise) dated March 16, 2021 and signed by Pritam Sethi, President of 1234479 Ontario Inc., and all supporting information associated with the application including Emission Summary and Dispersion Modelling Report dated March 16, 2021 and prepared by AC Environmental.

## DEFINITIONS

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*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 1234479 Ontario Inc. operating as Advanced Heat Treating Solutions 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;
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;
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.

## TERMS AND CONDITIONS

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*You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:*

### 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; and
  - iv. all appropriate measures to minimize noise and odorous emissions from all potential sources;
- 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.

# **REASONS**

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*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.

## APPEAL PROVISIONS

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In accordance with Section 139 of the *Environmental Protection Act*, you may by written notice served upon me and the Ontario Land Tribunal, within 15 days after the service of this notice, require a hearing by the Tribunal. You must also provide notice to, the Minister of the Environment, Conservation and Parks in accordance with Section 47 of the *Environmental Bill of Rights, 1993* who 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:

- I. 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;
- II. 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:

- I. The name of the appellant;
- II. The address of the appellant;
- III. The environmental compliance approval number;
- IV. The date of the environmental compliance approval;
- V. The name of the Director, and;
- VI. 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:

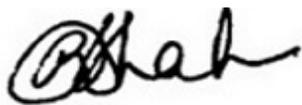
Registrar* Ontario Land Tribunal 655 Bay Street, Suite 1500 Toronto, Ontario M5G 1E5 <a href="mailto:OLT.Registrar@ontario.ca">OLT.Registrar@ontario.ca</a>	and	The Minister of the Environment, Conservation and Parks 777 Bay Street, 5th Floor Toronto, Ontario M7A 2J3	and	The Director appointed for the purposes of Part II.1 of the <i>Environmental Protection Act</i> 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 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](http://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 [ero.ontario.ca](http://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 4th day of February, 2022



Bijal Shah

Director

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

c: Pritam Sethi, Advanced Heat Treating Solutions

Andrew Cornel, AC Environmental

Halton-Peel District Manager, MECP