

**AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER 6676-CAZMC7

Issue Date: February 8, 2022

Torcad Limited  
275 Norseman Street  
Toronto, Ontario  
M8Z 2R5

**Site Location:** 275 Norseman Street  
Toronto City, 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:*

An electroplating facility, consisting of the following equipment and emission sources:

Process Related Natural Gas Fired Combustion Equipment

- one (1) natural gas fired boiler, having a maximum heat input of 6,621,200 kilojoules per hour;
- one (1) natural gas fired continuous stress relieving oven, having a maximum heat input of 6,330,000 kilojoules per hour;
- one (1) natural gas fired batch stress relieving oven, having a maximum heat input of 1,582,500 kilojoules per hour;
- one (1) natural gas direct fired dryer unit, having a maximum heat input of 2,110,000 kilojoules per hour;

Process Exhausts - Scrubbers

- one (1) Scrubber, identified as Source 28, serving the Area No. 84A and 84B – Waste Solution Treatment Area, using water as a scrubbing liquid, discharging into the air at a volumetric flow rate of 1.42 cubic metres per second, through a stack, having an exit diameter of 0.46 metre, extending 2.4 metres above the roof and 10.4 metres above grade;
- one (1) Scrubber, identified as Source 29, serving the Area No. 68 – Chromate Line, using water as a scrubbing liquid, discharging into the air at a volumetric flow rate of 9.44 cubic metres per second, through a stack, having an exit diameter of 0.51 metre, extending 2.4 metres above the roof and 7.3 metres above grade;
- one (1) Scrubber, identified as Source 30, serving the Area No. 63 – Zinc Chloride Line, using water as a scrubbing liquid, discharging into the air at a volumetric flow

rate of 14.16 cubic metres per second, through a stack, having an exit diameter of 0.51 metre, extending 2.3 metres above the roof and 7.2 metres above grade;

- one (1) Scrubber, identified as Source 31, serving the Area No. 65 – Zinc Chloride Line, using water as a scrubbing liquid, discharging into the air at a volumetric flow rate of 7.55 cubic metres per second, through a stack, having an exit diameter of 0.46 metre, extending 2.4 metres above the roof and 10.4 metres above grade;
- one (1) Scrubber, identified as Source 32, serving the Area No. 66 – Zinc Chloride Line, using water as a scrubbing liquid, discharging into the air at a volumetric flow rate of 10.85 cubic metres per second, through a stack, having an exit diameter of 0.51 metre, extending 2.4 metres above the roof and 10.4 metres above grade;
- one (1) Scrubber, identified as Source 33, serving the Area No. 67 – Zinc Phosphate Line, using water as a scrubbing liquid, discharging into the air at a volumetric flow rate of 5.31 cubic metres per second, through a stack, having an exit diameter of 0.51 metre, extending 2.3 metres above the roof and 10.2 metres above grade;
- one (1) Scrubber, identified as Source 34, serving the Area No. 67 – Zinc Phosphate Line, using water as a scrubbing liquid, discharging into the air at a volumetric flow rate of 7.55 cubic metres per second, through a stack, having an exit diameter of 0.46 metre, extending 2.4 metres above the roof and 10.4 metres above grade;
- one (1) Scrubber, identified as Source 35, serving the Area No. 82A, 82B and 82C – Acid Storage and Acid Pump Station, using water as a scrubbing liquid, discharging into the air at a volumetric flow rate of 2.83 cubic metres per second, through a stack, having an exit diameter of 0.25 metre, extending 4.9 metres above the roof and 10.4 metres above grade;
- one (1) Scrubber, identified as Source 36, serving the Area No. 62 – the Zinc Nickel Plating Line, using water as a scrubbing liquid, discharging into the air at a volumetric flow rate of 5.90 cubic metres per second, through a stack, having an exit diameter of 0.46 metre, extending 2.4 metres above the roof and 10.4 metres above grade; (New Line)
- one (1) Scrubber, identified as Source 37, serving the Area No. 69 – Zinc Chloride Line, using water as a scrubbing liquid, discharging into the air at a volumetric flow rate of 13.21 cubic metres per second, through a stack, having an exit diameter of 0.51 metre, extending 2.4 metres above the roof and 9.1 metres above grade;
- one (1) Scrubber, identified as Source 65, serving the Area No. 65 – Zinc Chloride Line for plating machined parts, using water as a scrubbing liquid, discharging into the air at a volumetric flow rate of 7.55 cubic metres per second, through a stack, having an exit diameter of 0.46 metre, extending 2.4 metres above the roof and

10.4 metres above grade;

#### Other Process Exhausts

- one (1) machine exhaust, serving the Area No. 64 – Lock Lube Line, discharging into the air at a volumetric flow rate of 1.89 cubic metres per second, through a stack, having exit dimensions of 0.20 metre by 0.25 metre, extending 0.3 metre above the roof and 5.2 metres above grade;
- one (1) maintenance welding shop with a roof exhaust;
- two (2) lab fume hoods in quality control and quality assurance lab;

all in accordance with the application for an Environmental Compliance Approval (Air) submitted by Torcad Limited, dated February 18, 2021 and signed by Gary Rauscher, General Manager; Emission Summary and Dispersion Modelling Report prepared by O2E Inc., dated February 2020; Acoustic Assessment Report prepared by O2E Inc., dated January 15, 2021 and signed by Jakub Wrobel; and all the information associated with the application.

*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 Torcad Limited 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 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;  
and

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
  - 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). 0223-AYCT8V issued on May 2, 2018.**

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](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 <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 8th day of February,  
2022

A handwritten signature in black ink, appearing to read 'Bijal Shah', written in a cursive style.

Bijal Shah, P.Eng.

Director

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

JL/

c: District Manager, MECP Toronto - District  
Adam Quipp, O2E Inc.