

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER A-500-1824390404

Version: 1.0

Issue Date: October 3, 2024

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:

AIRBORN FLEXIBLE CIRCUITS INC.

11 DOHME AVE.
TORONTO ONTARIO
M4B 1Y7

For the following site:

11 DOHME Avenue (AVE) , EAST YORK, TORONTO, ONTARIO, CANADA, M4B 1Y7

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s) 0016-BTBKCJ, issued on September 11, 2020.

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) baghouse type dust collector to control particulate emissions from the routing machines, having 7.9 square metres of Teflon coated felt, acrylic base filter bags and a hand bag shaker cleaning mechanism, discharging into the atmosphere at a maximum volumetric flow rate of 0.13 cubic metre per second through a stack, designated as Stack #39, having an exit diameter of 0.15 metre, extending 0.30 metre above the roof and 4.44 metres above grade;
- the Yellow Room Machine Exhaust, discharging into the atmosphere at a maximum volumetric flow rate of 0.24 cubic metre per second through a stack, designated as Stack #28, having an equivalent exit diameter of 0.17 metre, extending 0.79 metre above the roof and 4.96 metres above grade;
- the Chemical Cleaning Line Exhaust, discharging into the atmosphere at a maximum volumetric flow rate of 0.14 cubic metre per second through a stack, designated as Stack #25, having an exit diameter of 0.20 metre, extending 1.04 metres above the roof and 5.21 metres above grade;
- the Electroless Copper Line Exhaust, discharging into the atmosphere at a maximum volumetric flow rate of 0.30 cubic metre per second through a stack, designated as Stack #27, having an equivalent exit diameter of 0.24 metre, extending 1.27 metres above the roof and 7.5 metres above grade;
- the Develop Etch Machine Exhaust, discharging into the atmosphere at a maximum volumetric flow rate of 0.13 cubic metre per second through a stack, designated as Stack #30, having an equivalent exit diameter of 0.19 metre, extending 2.13 metres above the roof and 6.30 metres above grade;
- the Tin Lead Plating Line Exhaust, discharging into the atmosphere at a maximum volumetric flow rate of 0.78 cubic metre per second through a stack, designated as Stack #13, having an equivalent exit diameter of 0.25 metre, extending 1.22 metres above the roof and 5.46 metres above grade;
- the Copper Electroplating Line Exhaust, discharging into the atmosphere at a maximum volumetric flow rate of 6.65

cubic metres per second through a stack, designated as Stack #50, having an exit diameter of 0.64 metre, extending 3.35 metres above the roof and 7.59 metres above grade;

- the Silk Screening Room Machine Exhaust, discharging into the atmosphere at a maximum volumetric flow rate of 2.31 cubic metres per second through a stack, designated as Stack #35, having an exit diameter of 0.41 metre, extending 0.41 metre above the roof and 4.55 metres above grade;
- one (1) exhaust to serve the Wet Laboratory, complete with a fume hood, discharging into the atmosphere at a maximum volumetric flow rate of 0.052 cubic metre per second through a stack, designated as Stack #21, having an exit diameter of 0.18 metre, extending 1.04 metres above the roof and 3.83 metres above grade;
- one (1) exhaust to serve the Dry Laboratory, complete with a fume hood, discharging into the atmosphere at a maximum volumetric flow rate of 0.77 cubic metre per second through a stack, designated as Stack #22, having an exit diameter of 0.20 metre, extending 0.61 metre above the roof and 3.40 metres above grade;
- the Film Stripping Exhaust, discharging into the atmosphere at a maximum volumetric flow rate of 0.58 cubic metre per second through a stack, designated as Stack #23, having exit dimensions of 0.18 metre by 0.25 metre, extending 1.14 metres above the roof and 5.31 metres above grade;
- the Wet Process Oxide Machine Exhaust, discharging into the atmosphere at a maximum volumetric flow rate of 0.36 cubic metre per second through a stack, designated as Stack #24, having an equivalent exit diameter of 0.24 metre, extending 1.73 metres above the roof and 5.90 metres above grade;
- one (1) exhaust to serve a silk screen electric drying oven, discharging into the atmosphere passively through a stack, designated as Stack #37, having an exit diameter of 0.25 metre, extending 1.02 metres above the roof and 5.16 metres above grade;
- one (1) exhaust to serve a silk screen electric drying oven, discharging into the atmosphere passively through a stack, designated as Stack #38, having an exit diameter of 0.15 metre, extending 0.91 metre above the roof and 5.05 metres above grade;
- the Plasma Machine Exhaust, discharging into the atmosphere passively through a stack, designated as Stack #34, having an exit diameter of 0.05 metre, extending 3.30 metres above the roof and 7.44 metres above grade;
- the Assembly Soldering Station Exhaust, discharging into the atmosphere at a maximum volumetric flow rate of 3.21 cubic metres per second through a stack, designated as Stack #20, having an exit diameter of 0.30 metre, extending 0.41 metre above the roof and 3.20 metres above grade;
- the Assembly Reflow Oven Exhaust, discharging into the atmosphere at a maximum volumetric flow rate of 1.70 cubic metres per second through a stack, designated as Stack #19, having an exit diameter of 0.34 metre, extending 0.66 metre above the roof and 3.45 metres above grade;
- the Wave Soldering Machine Exhaust, discharging into the atmosphere at a maximum volumetric flow rate of 0.50 cubic metre per second through a stack, designated as Stack #18, having an exit diameter of 0.16 metre, extending 0.91 metre above the roof and 4.90 metres above grade;
- the Wet Process Developing Machine Exhaust, discharging into the atmosphere at a maximum volumetric flow rate of 0.10 cubic metre per second through a stack, designated as Stack #31, having an exit diameter of 0.16 metre, extending 2.13 metres above the roof and 6.30 metres above grade;
- the Reflow Oven/ECOBONDING/Alcohol Cleaning Exhaust, discharging into the atmosphere at a maximum volumetric flow rate of 1.89 cubic metres per second through a stack, designated as Stack #47, having an exit diameter of 0.36 metre,

extending 2.54 metres above the roof and 6.71 metres above grade;

- the Solder Mask Machine Exhaust, discharging into the atmosphere at a maximum volumetric flow rate of 0.61 cubic metre per second through a stack, designated as Stack #48, having an exit diameter of 0.15 metre, extending 2.44 metres above the roof and 6.61 metres above grade;
- the Press Room Curing Ovens, discharging into the atmosphere through a general room exhaust, at a maximum volumetric flow rate of 2.31 cubic metres per second through a stack, designated as Stack #32, having an exit diameter of 0.50 metre, extending 0.41 metre above the roof and 4.55 metres above grade;
- one (1) electric compressor, having a motor rated at 75 kilowatts, discharging into the atmosphere at a volumetric flow rate of 2.00 cubic metres per second through a stack, designated as Stack #4, having an exit diameter of 0.41 metre, extending 0.41 metre above the roof and 4.65 metres above grade;
- one (1) natural gas fired boiler, having a maximum heat input of 1,013,000 kilojoules per hour, discharging into the atmosphere through a stack, designated as Stack #8, having an exit diameter of 0.36 metre, extending 1.47 metres above the roof and 5.71 metres above grade;
- waste treatment tanks exhaust, designated as Stack #7;
- chemical storage room exhaust, designated as Stack #9;

all in accordance with the Application for Approval (Air & Noise) submitted by Airborn Flexible Circuits Inc., dated October 2, 2023 and signed by Peter Pialis, Director of Engineering; and the supporting information, including the Emission Summary and Dispersion Modelling Report, submitted by BluMetric Environmental Inc., dated September 21, 2023, and signed by Gayle Giesbrecht; and the Acoustic Assessment Report prepared by Aercoustics Engineering Limited, dated January 31, 2024 and signed by Christopher Bosyj.

DEFINITIONS

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 Aercoustics Engineering Ltd., dated January 31, 2024 and signed by Christopher Bosyj;
2. "Approval" means this Environmental Compliance Approval, including the application and supporting documentation listed above;
3. "Company" means Airborn Flexible Circuits Inc. 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. "District Manager" means the District Manager of the appropriate local district office of the Ministry, where the Facility is geographically located;
5. "EPA" means the *Environmental Protection Act*, R.S.O. 1990, c.E.19;
6. "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;
7. "Facility" means the entire operation located on the property where the Equipment is located;
8. "Manual" means a document or a set of documents that provide written instructions to staff of the Company;

9. "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;
10. "Noise Control Measures" means measures to reduce the noise emission from the Facility including, but not limited to silencers, acoustic louvres, enclosures, absorptive treatment, plenums and barriers. It also means the noise control measures outlined in section 7 of the Acoustic Assessment Report;
11. "Publication NPC-233" means the Ministry Publication NPC-233, "Information to be Submitted for Approval of Stationary Sources of Sound", October, 1995 as amended;
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; and
12. "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

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;
 - 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:

- a. implement by not later than December 31, 2024, the Noise Control Measures outlined in section 7 of the Acoustic Assessment Report;
- b. following the implementation of the Noise Control Measures, comply with the limits set out in Publication NPC-300; and
- c. properly maintain the Noise Control Measures ensuring that they continue to meet 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 Manager, 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 at 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; or
- 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.

REASONS

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.

APPEAL PROVISIONS

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 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 <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**

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, 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 3rd day of October, 2024



Nancy Orpana

Director

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

c: Peter Pialis

Gayle Giesbrecht, BluMetric Environmental Inc.

Christopher Bosyj, Aercoustics Engineering Limited