

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 7714-C3KR5H
Issue Date: June 14, 2021

Revolution Environmental Solutions Acquisition GP Inc.
1100 Burloak Dr, No. 500
Burlington, Ontario
L7L 6B2

Site Location: 52 Imperial Street
Hamilton 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:

- one (1) fume hood (EP1), used for testing of waste samples, exhausting into the atmosphere at a maximum volumetric flow rate of 0.63 cubic metre per second, through a stack, having an exit diameter of 0.3 metre, extending 3.2 metres above the roof and 8.7 metres above grade;
- one (1) fume hood (EP2), used for testing of waste samples, exhausting into the atmosphere at a maximum volumetric flow rate of 1.31 cubic metres per second, through a stack, having an exit diameter of 0.3 metre, extending 2.9 metres above the roof and 8.43 metres above grade;
- one (1) fume hood (EP3) used for testing of waste samples, one (1) inductively coupled argon plasma spectrometer (ICAP) (EP4), and one (1) laboratory hood (EP22) used to store small, capped containers of chemicals, all exhausting into the atmosphere through the stack serving the fume hood (EP2) described above;

- three (3) solidification/stabilization pits, two (2) located in the Mixing Pit Building and one (1) located in the Solids Storage Building, used for the solidification/stabilization of liquid and sludge wastes by mixing the wastes in the pit with solidifying agents including cement kiln dust, Biomass and Enviroblend. Only a maximum of two (2) pits are used at the same time. All three (3) pits are equipped with dust collection hoods to capture the dust generated during the unloading of wastes into the pits and mixing of the wastes with the solidifying agents. The dust collected is removed in one (1) dust collector (EP18) equipped with a reverse pulse jet self-cleaning mechanism and a total of 2,239 cubic metres of spun-bonded polyester filtration medium, exhausting into the atmosphere at a maximum volumetric flow rate of 39.62 cubic metres per second, through a stack, having an exit diameter of 1.8 metres, extending 1.2 metres above the roof and 14.12 metres above grade;
- one (1) exhaust (EP17), used for ventilation of the entrance of the Mixing Pit Building and the Solids Storage Building, exhausting into the atmosphere at a maximum volumetric flow rate of 12.26 cubic metres per second, through a horizontal vent, having exit dimensions of 2.4 metres by 1.2 metres, extending 7.7 metres above grade;
- one (1) silo for the storage of cement kiln dust equipped with bin vent filter (EP37) discharging into the air through a capped stack with an approximate exit diameter of 0.91 metre, extending 18 metres above grade;

all in accordance with the Application for Approval (Air & Noise), dated May 7, 2020 and signed by Greg Sandford, and all supporting information associated with the application including the Emission Summary and Dispersion Modelling report, the additional information provided by XCG Consultants Ltd. , dated February 25, 2020 and signed by Pamela Cameron, P.Eng., as well as the Acoustic Assessment Report dated June 17, 2020, prepared by O2E Inc., and signed by Jakub Wrobel.

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 Revolution Environmental Solutions Acquisition GP 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;
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 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. "Odour Management Plan" means the document titled "Noise, Odour, Dust, Drag-Out Control Procedures", Revision 8, dated May 11, 2017.
10. "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.
 - c. maintain the Odour Management Plan for the Facility and notify the District Manager when significant changes to the Plan are required.

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.
 - c. a copy of the Odour Management Plan, and all records related to any changes to the Odour Management Plan.

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). 4719-A4JSHP issued on March 22, 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 14th day of June, 2021



Neryed Ragbar, P.Eng.

Director

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

ML/

c: District Manager, MECP Hamilton - District
Scott Sangster, Terrapure Environmental