

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 8774-CT48LE

Issue Date: November 17, 2023

Jeffrey Thomas Moorhouse
Post Office Box, No. 90
Quinte West, Ontario
K0K 2C0

Site Location: Mobile

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) mobile grinding unit, equipped with a water spray system, for processing Clean Wood and Construction and Demolition Waste, at a maximum throughput of 50 tonnes per hour, and equipped with:
 - one (1) 400 kilowatt diesel engine exhausting vertically into the air at a maximum volumetric flow rate of 1.02 metres per second through a stack having an exit diameter of 0.127 metre and extending 4.0 metres above grade;

all in accordance with the Environmental Compliance Approval application dated April 25, 2022 and signed by Jeffrey Thomas Moorhouse, Owner; the Emission Summary and Dispersion Modelling Report provided by RWDI Air Inc., dated May 13, 2022 and signed by Melissa Annett; the Acoustic Assessment Report submitted by RWDI AIR Inc., dated April 20, 2022 and signed by Melissa Annett; and all supporting information associated with the application.

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 Plant. "Acoustic Assessment Report" also means the Acoustic Assessment Report dated April 20, 2022 signed by Melissa Annett of RWDI Air Inc;
2. "Acoustic Barrier" means a barrier or berm positioned such that it completely interrupts the line of sight between the Plant and the noise sensitive Points of Reception continuous without holes, gaps and other penetrations, and having surface density of at least 20 kilograms per square metre;

3. "Approval" means this Environmental Compliance Approval, including the application and supporting documentation listed above;
4. "Class 1 Area" means an area with an acoustical environment typical of a major population centre, where the background sound level is dominated by the activities of people, usually road traffic, often referred to as "urban hum";
5. "Class 2 Area" means an area with an acoustical environment that has qualities representative of both Class 1 and Class 3 areas:
 - a. sound levels characteristic of Class 1 during daytime (07:00 to 19:00 or to 23:00 hours); and
 - b. low evening and night background sound level defined by natural environment and infrequent human activity starting as early as 19:00 hours (19:00 or 23:00 to 07:00 hours).
6. "Class 3 Area" means a rural area with an acoustical environment that is dominated by natural sounds having little or no road traffic, such as:
 - a. a small community;
 - b. agricultural area;
 - c. a rural recreational area such as a cottage or a resort area; or
 - d. a wilderness area.
7. "Clean Wood" means wood or a wood product including tree trunks, tree branches, leaves and brush;
8. "Company" means Jeffrey Thomas Moorhouse that is responsible for the construction or operation of the Plant and includes any successors and assigns;
9. "Construction and Demolition Waste" means wood waste resulting from construction and demolition activities excluding materials containing asbestos;
10. "Director" means any Ministry employee appointed by the Minister pursuant to Section 5 of the EPA;
11. "District Manager" means the District Manager of the appropriate local district office of the Ministry, where the Plant is geographically located;
12. "EPA" means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended;
13. "Equipment" means the mobile grinder equipped with a water spray system and all other 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;

14. "Manual" means a document or a set of documents that provide written instructions to staff of the Company;
15. "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;
16. "Noise Control Measures" means measures to reduce the noise emissions from the Plant and/or Equipment including, but not limited to, silencers, acoustic louvres, enclosures, absorptive treatment, plenums and barriers, described in the Company's application, and in the supporting documentation referred to herein, including the Acoustic Assessment Report, to the extent approved by this Approval;
17. "Plant" means the entire mobile grinder operations, incorporating the Equipment;
18. "Point of Reception" means a Point of Reception as defined in Publication NPC-300, and is subject to the same qualifications described in this document;
19. "Pressure Treated Wood" means wood contaminated with chromated copper arsenate, ammoniacal copper arsenate, pentachlorophenol or creosote;
20. "Publication NPC-233" means the Ministry Publication NPC-233, "Information to be Submitted for Approval of Stationary Sources of Sound", October, 1995 as amended;
21. "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;
22. "Schedule" means the following schedules attached to this *Approval* and forming part of this *Approval* namely:
 - Schedule A - Form 1: Notice of Relocation;
 - Schedule B - Minimum Separation Distance to Point of Reception;
 - Schedule C - Minimum Separation Distance to Sensitive Receptor;
23. "Sensitive Receptor" means any location where routine or normal activities occurring at reasonably expected times would experience adverse effect(s) from discharges from the Plant to the atmosphere, including one or a combination of:
 - a. private residences or public facilities where people sleep (e.g.: single and multi-unit dwellings, nursing homes, hospitals, trailer parks, camping grounds, etc.),
 - b. institutional facilities (e.g.: schools, churches, community centres, day care centres, recreational centres, etc.),
 - c. outdoor public recreational areas (e.g.: trailer parks, play grounds, picnic areas, etc.), and

- d. other outdoor public areas where there are continuous human activities (e.g.: commercial plazas and office buildings); and

24. "Site" means the property described in a completed Schedule "A" at which the Plant is operated;

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. Noise Emissions

1. The Company shall, at all times, ensure that the noise emissions from the Plant comply with the limits set out in Ministry Publication NPC-300.

2. Time Restriction

1. The Company shall ensure that the Acoustic Barrier, when required, is erected within seven (7) working days of start-up of the Plant and until that time, the Plant operations shall be restricted to the daytime hours of 7 a.m. to 7 p.m., Monday to Friday.
2. The Company shall ensure that the Plant is not operated more than sixty (60) calendar days per year at any one Site.

3. Minimum Separation Distance(s)

1. The Company shall ensure a minimum separation distance between the Plant and the nearest Point of Reception as specified in Schedule "B".
2. The Company shall ensure a minimum separation distance between the Plant and the nearest Sensitive Receptor as specified in Schedule "C".

4. Noise Control Measures

1. The Company shall ensure that the Acoustic Barrier described in the Acoustic Assessment Report, when required, is implemented at all times during the operation of the Plant.
2. The Company shall ensure that the Acoustic Barrier, when required, is a minimum 5 metres high, extends a minimum of 5 metres beyond each side of the Plant, continuous without holes, gaps or other penetrations, and having a surface mass density of at least 20 kilograms per square metre; and that it will be positioned in between the Plant and the Points of Reception that require shielding in such a way that the distance from the Acoustic Barrier to the Plant is not greater than 5 metres as specified in the Acoustic Assessment Report.

3. The Company shall ensure that the Acoustic Barrier, when required, is properly maintained and continues to provide the acoustical performance outlined in the Acoustic Assessment Report.

5. Operation and Maintenance

1. The Company shall ensure that the Plant/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 Plant/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 Plant/Equipment;
 - iv. all appropriate measures to minimize noise and fugitive dust emissions from all potential sources; and
 - v. procedures for recording and responding to environmental complaints relating to the operation of the Plant;
 - b. implement the recommendations of the Manual; and
 - c. retain, for a minimum of two (2) years from the date of their creation, all records on the maintenance, repair and inspection of the Equipment, and make these records available for review by staff of the Ministry upon request.
2. The Company shall only process Pressure Treated Wood at a Site approved by the District Manager.

6. Fugitive Dust Control

1. The Company shall provide effective dust suppression to the Equipment and any other sources of fugitive dust emissions from the Plant.

7. Marking of Portable Plant

1. The Company shall post a legible sign and/or notice in a location which is accessible to the public, clearly identifying:
 - a. the Company name;
 - b. the number of this Approval;

- c. a brief description of the nature of the operation;
- d. a Company contact name and telephone number for the public to provide comments;
- e. hours of operation; and
- f. length of time the Company intends to operate the Plant at that location.

8. Keeping a Valid Approval

- 1. The Company shall ensure that a copy of this Approval, as well as any subsequent Amended Approvals or Notices that amend this Approval, are available for inspection by a Provincial Officer at each Site where the Plant is operated.

9. 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;
 - b. all records on the daily operation of the Plant/Equipment, including:
 - i. daily production rate;
 - ii. daily start-up and shut-down times of the Plant/Equipment;
 - c. all records of any upset conditions associated with the operation of the Plant/Equipment;
 - d. all records on the environmental complaints, including:
 - i. a description, time, date and location of each incident;
 - ii. operating conditions (e.g. upset conditions, etc.) at the time of the incident;
 - iii. wind direction and other weather conditions at the time of the incident;
 - iv. the name(s) of Company personnel responsible for handling the incident;
 - v. the cause of the incident;
 - vi. the Company response to the incident; and
 - vii. a description of the measures taken to address the cause of the incident and to prevent a similar occurrence in the future, and the outcome of the measures taken.

10. 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;
 - b. the time, date and location of the incident;
 - c. the wind direction and other weather conditions at the time of the incident; and
 - d. the name(s) of Company personnel responsible for handling the incident.

11. Change of Owner

1. The Company shall notify the Director and the District Manager, in writing, of any of the following changes within thirty (30) days of the change occurring:
 - a. change of owner or operating authority, or both;
 - b. change of address of owner or operating authority or address of new owner or operating authority;
 - c. change of partners where the Owner 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, as amended, shall be included in the notification;
 - d. change of name of the corporation where the Owner is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C.39, as amended, shall be included in the notification.
2. The Company shall notify any succeeding new owner, in writing, of the existence of this Approval, as well as any subsequent Amended Approvals or Notices that amend this Approval and, shall forward a copy of such a notice to the Director and the District Manager together with the notification required under Condition 12.1.

12. Relocation

1. The Company shall notify the District Manager, in writing, at least ten (10) business days in advance of any intended location of the Plant at each operating Site, by submitting a completed Form 1, outlined in Schedule "A".

SCHEDULE "A"

FORM 1 - NOTICE OF RELOCATION FOR PORTABLE EQUIPMENT

1. Owner and/or Operator
 - a. Company name :
 - b. Contact person :
 - c. Telephone number :
2. Proposed Location
 - a. Municipality:
 - b. Lot number:
 - c. Concession number:
3. Operation
 - a. Date of commencement and completion of operation: from to
 - b. Hours of operation: from to
 - c. Maximum processing rate (tonnes/hour):
 - d. Type of material to be processed:

Please attach the following:

1. A copy of the Approval.
2. A plot plan or sketch of the proposed location showing the following:
 - a. the entire operating Site
 - b. distance between the Equipment and the nearest off-property Point of Reception
 - c. distance between the Equipment and the nearest Sensitive Receptor
 - d. land use within the minimum separation distances from the Equipment specified in Condition No. 3 of this Approval.

SCHEDULE "B"

Minimum Required Separation Distances from the Plant to the Points of Reception

Table 1: Operating Scenario 1: without Acoustic Barrier, Point of Reception Height at 4.5 metres

Point of Reception Location	Time of Plant Operation	Sound Level Limits (dBA)	Minimum Separation Distance (Metres)
Class 1 Areas (Urban)	Day (7 a.m. - 7 p.m.)	50	610
Class 1 Areas (Urban)	Evening (7 p.m. - 11 p.m.)	50	610
Class 1 Areas (Urban)	Night (11 p.m. - 7 a.m.)	45	905
Class 2 Areas (Urban)	Day (7 a.m. - 7 p.m.)	50	610
Class 2 Areas (Urban)	Evening (7 p.m. - 11 p.m.)	50	610
Class 2 Areas (Urban)	Night (11 p.m. - 7 a.m.)	45	905
Class 3 Areas (Rural)	Day (7 a.m. - 7 p.m.)	45	905
Class 3 Areas (Rural)	Evening (7 p.m. - 11 p.m.)	40	1295
Class 3 Areas (Rural)	Night (11 p.m. - 7 a.m.)	40	1295

Table 2: Operating Scenario 2: with Acoustic Barrier, Point of Reception Height at 4.5 metres

Point of Reception Location	Time of Plant Operation	Sound Level Limits (dBA)	Minimum Separation Distance (Metres)
Class 1 Areas (Urban)	Day (7 a.m. - 7 p.m.)	50	220
Class 1 Areas (Urban)	Evening (7 p.m. - 11 p.m.)	50	220
Class 1 Areas (Urban)	Night (11 p.m. - 7 a.m.)	45	410
Class 2 Areas (Urban)	Day (7 a.m. - 7 p.m.)	50	220
Class 2 Areas (Urban)	Evening (7 p.m. - 11 p.m.)	50	220
Class 2 Areas (Urban)	Night (11 p.m. - 7 a.m.)	45	410
Class 3 Areas (Rural)	Day (7 a.m. - 7 p.m.)	45	410
Class 3 Areas (Rural)	Evening (7 p.m. - 11 p.m.)	40	735
Class 3 Areas (Rural)	Night (11 p.m. - 7 a.m.)	40	735

Table 3: Operating Scenario 3: without Acoustic Barrier, Point of Reception Height at 1.5 metres

Point of Reception Location	Time of Plant Operation	Sound Level Limits (dBA)	Minimum Separation Distance (Metres)
Class 1 Areas (Urban)	Day (7 a.m. - 7 p.m.)	50	605
Class 1 Areas (Urban)	Evening (7 p.m. - 11 p.m.)	50	605
Class 2 Areas (Urban)	Day (7 a.m. - 7 p.m.)	50	605
Class 2 Areas (Urban)	Evening (7 p.m. - 11 p.m.)	45	890
Class 3 Areas (Rural)	Day (7 a.m. - 7 p.m.)	45	890
Class 3 Areas (Rural)	Evening (7 p.m. - 11 p.m.)	40	1265

Table 4: Operating Scenario 4: with Acoustic Barrier, Point of Reception Height at 1.5 metres

Point of Reception Location	Time of Plant Operation	Sound Level Limits (dBA)	Minimum Separation Distance (Metres)
Class 1 Areas (Urban)	Day (7 a.m. - 7 p.m.)	50	210
Class 1 Areas (Urban)	Evening (7 p.m. - 11 p.m.)	50	210
Class 2 Areas (Urban)	Day (7 a.m. - 7 p.m.)	50	210
Class 2 Areas (Urban)	Evening (7 p.m. - 11 p.m.)	45	400
Class 3 Areas (Rural)	Day (7 a.m. - 7 p.m.)	45	400
Class 3 Areas (Rural)	Evening (7 p.m. - 11 p.m.)	40	710

SCHEDULE "C"

Minimum Required Separation Distances from the Plant to the Sensitive Receptors

Table 1: Operating Scenario 1 - water spray system is operating

Material Being Processed	Time of Plant Operation	Minimum Separation Distance (Metres)
- Green wood - Brush - Yard waste - Clean Wood - Construction and Demolition Waste	7 a.m. - 9 p.m.	250

Table 2: Operating Scenario 2 - water spray system is not operating

Material Being Processed	Time of Plant Operation	Minimum Separation Distance (Metres)
Green wood only	7 a.m. - 9 p.m.	400

The reasons for the imposition of these terms and conditions are as follows:

1. Conditions No. 1 to 8 are included to provide the minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the Plant/Equipment and to emphasize that the Plant / 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. 9 is included to require the Company to keep records and to provide information to the Ministry so that compliance with the EPA, the regulations and this Approval can be verified.
3. Conditions No. 10 to 12 are 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.

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.

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 17th day of November, 2023



Nancy E Orpana, P.Eng.

Director

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

BR/

c: District Manager, MECP Peterborough
Melissa Annett, RWDI Air Inc.