

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 9782-BW6Q3L

Issue Date: December 21, 2020

Sudbury Lime Limited
300 Kukagami Road
Greater Sudbury, Ontario
P0M 3C0

Site Location: 300 Kukagami Road
Greater Sudbury City, District of Sudbury
P0M 3C0

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:

A lime slaking facility consisting of the following equipment:

- one (1) vertimill lime slaker, processing a maximum of 200 tonnes of quicklime per day;
- one (1) scrubber serving the vertimill lime slaker, employing water as a scrubbing medium at flow rate of 5.7 litres per minute, discharging to the atmosphere at a maximum volumetric rate of 0.11 cubic metre per second, through a stack having an exit diameter of 0.20 metre extending 0.90 metre above the roof and 14.7 metres above grade; and
- one (1) baghouse dust collector serving the quicklime storage silo, having a maximum volumetric flow rate of 0.37 cubic metre per second, equipped with 16.7 square metres of polyester felt filter material, discharging to the atmosphere through a stack through a stack having an exit diameter of 0.23 metre extending 12.1 metres above the roof and 25.9 metres above grade.

all in accordance with the application for an Environmental Compliance Approval (Air) submitted by Sudbury Lime Limited, dated February 4, 2020 and signed by Scott Webber, Plant Manager, and all supporting information including the Emission Summary and Dispersion Modelling Report, dated January 27, 2020, signed by Spencer Ludwig, Pinchin Ltd., the Acoustic Assessment Report prepared by Pinchin Ltd., dated January 3, 2020 and signed by Aidan Maher and Weidong Li, and the additional information provided by Spencer Ludwig, Pinchin Ltd. on October 15, 2020.

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 Pinchin Ltd., dated January 3, 2020 and signed by Aidan Maher and Weidong Li;
2. "*Approval*" means this Environmental Compliance Approval, including the application and supporting documentation listed above;
3. "*Best Management Practices Plan*" means a document or a set of documents which describe measures to minimize dust emissions from the *Facility* and/or *Equipment*;
4. "*Company*" means Sudbury Lime Limited, that is responsible for the construction or operation of the *Facility* and includes any successors and assigns;
5. "*District Manager*" means the District Manager of the appropriate local district office of the *Ministry*, where the *Facility* is geographically located;
6. "*EPA*" means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended ;
7. "*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*;
8. "*Facility*" means the entire operation located on the property where the *Equipment* is located;
9. "*Manual*" means a document or a set of documents that provide written instructions to staff of the *Company*;
10. "*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;
11. "*Noise Control Measures*" means measures to reduce the noise emission from the *Facility* and/or *Equipment* including, but not limited to silencers, acoustic louvers, enclosures, absorptive treatment, plenums and barriers. It also means the noise control measures outlined in the *Acoustic Assessment Report*;
12. "*Publication NPC-233*" means the *Ministry* Publication NPC-233, "Information to be Submitted for Approval of Stationary Sources of Sound", October, 1995, as amended;
13. "*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;
14. "*Technical Bulletin: Management Approaches for Industrial Fugitive Dust Sources*"

means the *Ministry* publication "Technical Bulletin: management approaches for industrial fugitive dust sources", March 8, 2017, 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, before commencement of operation of the *Equipment*, 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 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. FUGITIVE DUST CONTROL

1. The *Company* shall develop in consultation with the *District Manager*, a *Best Management Practices Plan* for the control of fugitive dust emissions. This *Best Management Practices Plan* shall:
 - a. at minimum, be prepared in accordance with *Ministry Technical Bulletin: Management Approaches for Industrial Fugitive Dust Sources*; and
 - b. include a list of all *Ministry* comments received, if any, on the development of the *Best Management Practices Plan*, and a description of how each *Ministry* comment was addressed in the *Best Management Practices Plan*.
2. The *Company* shall submit the *Best Management Practices Plan* to the *District Manager* not later than three (3) months after the date of this *Approval* or as otherwise indicated by the *District Manager*.
3. Upon acceptance of the *Best Management Practices Plan* by the *District Manager*, the *Company* shall immediately implement the *Best Management Practices Plan* for the control of fugitive dust emissions to provide effective dust suppression measures to any potential sources of fugitive dust emissions resulting from the operation of the *Facility*.
4. The *Company* shall update the *Best Management Practices Plan* as necessary or at the direction of the *District Manager*.

5. NOISE

1. The *Company* shall:
 - a. implement the *Noise Control Measures* as outlined in the *Acoustic*

- Assessment Report* within six (6) months of the date of this *Approval*;
- b. at all times, ensure that the noise emissions from the *Facility* comply with the limits set in *Ministry Publication NPC-300*; and
 - c. ensure that the *Noise Control Measures* are properly maintained and continue to provide the acoustical performance outlined in the *Acoustic Assessment Report*.
2. The *Company* shall restrict the operations of the tanker truck unloading blower and the silo dust collector to the period of 7:00 a.m. to 7:00 p.m.

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

1. Conditions No. 1 and No. 4 are 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. 5 is included to provide the minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the *Facility*.

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.

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 21st day of
December, 2020

Rudolf Wan, P.Eng.
Director
appointed for the purposes of Part
II.1 of the *Environmental Protection
Act*

SM/
c: District Manager, MECP Sudbury District Office
Spenser Lugwig, Pinchin Ltd.