

**ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER 3900-BKPSGU  
Issue Date: January 24, 2020

Strada Crush Limited  
30 Floral Parkway  
Concord, Ontario  
L4K 4R1

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) portable crushing/screening plant (Strada Mobile Crushing/Screening Plant #13001), processing aggregate and demolition materials at a maximum throughput rate of 100 tonnes per hour and consisting of the following:

- one (1) portable crusher/screener, equipped with a screen deck and return conveyor, powered by a diesel engine rated at 232 kilowatts;
- one (1) stacker conveyor, powered by a diesel engine rated at 9 kilowatts, discharging finished product to a stockpile;
- fugitive emissions resulting from the delivery, storage, and transfer of materials associated with the crushing operations;

all in accordance with the Environmental Compliance Approval application submitted by Strada Crush Limited, dated August 2, 2019, and signed by Alex Elzbet, Environmental, Health, Safety & Security Officer; the supporting Emission Summary and Dispersion Modelling Report prepared by Pinchin Ltd., dated August 1, 2019 and signed by Natasha Lewis; and the Acoustic Assessment Report prepared by Pinchin Ltd., dated August 1, 2019, and signed by Aidan Maher, P.Eng.

*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 prepared by Pinchin Ltd., dated August 1, 2019 and signed by Aidan Maher,

P.Eng.;

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 mass of at least 20 kilograms per square metres;
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:
  1. sound levels characteristic of Class 1 during daytime (07:00 to 19:00 or to 23:00 hours); and
  2. 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:
  1. a small community;
  2. agricultural area;
  3. a rural recreational area such as a cottage or a resort area; or
  4. a wilderness area;
7. "*Company*" means Strada Crush Limited, that is responsible for the construction or operation of the *Facility* and includes any successors and assigns;
8. "*Director*" means a person appointed by the *Minister* pursuant to section 5 of the *EPA*;
9. "*District Manager*" means the District Manager of the appropriate local district office of the *Ministry*, where the *Plant* is geographically operated;
10. "*EPA*" means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended;
11. "*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*;
12. "*Facility*" means the entire operation located on the property where the *Plant* is located;

13. "*Manual*" means a document or a set of documents that provide written instructions to staff of the *Company*;
14. "*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;
15. "*Noise Control Measures*" means measures to reduce the noise emissions from the *Plant* including, but not limited to, silencers, acoustic louvers, enclosures, absorptive treatment, plenums and barriers, described in the *Company's* application, this *Approval* and in the supporting documentation referred to herein, to the extent approved by this *Approval*;
16. "*Plant*" means the portable crushing/screening plant, incorporating the *Equipment*;
17. "*Point of Reception*" means a Point of Reception as defined in *Publication NPC-300*;
18. "*Publication NPC-233*" means the *Ministry* Publication NPC-233 "Information to be Submitted for Approval of Stationary Sources of Sound" , October 1995, as amended;
19. "*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
20. "*Sensitive Receptor*" means any location where routine or normal activities occurring at reasonably expected times would experience adverse effect(s) from the discharges from the *Plant* to the atmosphere including one or a combination of:
  1. private residences or public facilities where people sleep (e.g. single and multi-unit dwellings, nursing homes, hospitals, trailer parks, camping ground, etc.),
  2. institutional facilities (e.g. schools, churches, community centres, day care centres, recreational centres, etc.),
  3. outdoor public recreational areas (e.g. trailer parks, play grounds, picnic areas, etc.), and
  4. other outdoor public areas where there are continuous human activities (e.g. commercial plazas and office buildings).

*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 *Plant* is properly operated and maintained at all times. The *Company* shall:

- a. prepare, before commencement of operation of the *Plant*, and update, as necessary, a *Manual* outlining the operating procedures and a maintenance program for the *Plant*, including:
    - i. routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the *Plant* suppliers;
    - ii. emergency procedures, including spill clean-up procedures;
    - iii. procedures for any record keeping activities relating to operation and maintenance of the *Plant*;
    - iv. the frequency of inspection of the *Plant*;
    - v. all appropriate measures to minimize noise emissions from all potential sources;
    - vi. procedures for recording and responding to environmental complaints relating to the operation of the *Plant*;
    - vii. procedures for record keeping activities identifying separation distances between the *Plant* and *Points of Reception* and *Sensitive Receptors*; and
  - b. implement the recommendations of the *Manual*.
2. The *Company* shall ensure that the *Plant* is not operated more than sixty (60) calendar days per year at any one site.
  3. The *Company* shall post a legible sign 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 the location.
  4. 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 at each site where the *Plant* is

operated.

## **2. NOISE EMISSIONS**

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

## **3. TIME RESTRICTIONS**

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.

## **4. MINIMUM SEPARATION DISTANCES**

1. The *Company* shall ensure that the minimum separation distance of 500 metres is maintained between the *Plant* and the nearest *Sensitive Receptor*.
2. The *Company* shall ensure a minimum separation distance between the *Plant* and the nearest *Point of Reception* as specified in Schedule A.

## **5. NOISE CONTROL MEASURES**

1. The *Company* shall ensure that the *Acoustic Barrier*, 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 6 metres high, 40 metres long, 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 30 metres as specified in Schedule A.
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*.

## **6. FUGITIVE DUST CONTROL**

1. The *Company* shall provide effective dust suppression for sources of fugitive dust emissions related to operation of the *Plant*.

## **7. 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:
  - i. the maintenance, repair and inspection of the *Plant*;
  - ii. the minimization of fugitive dust and noise emissions from the *Plant*; and
  - iii. the separation distances between the *Plant* and *Points of Reception* and *Sensitive Receptors*;
- b. all records on the daily operation of the *Plant*, including:
  - i. daily production rate; and
  - ii. daily start-up and shut-down times of the *Plant*;
- c. all records of any upset conditions associated with the operation of the *Plant*;
- 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) 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.

## 8. NOTIFICATIONS

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 to which the complaint relates;

- 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.
2. The *Company* shall notify the *Director* and the *District Manager*, in writing, of any of the following changes within one (1) month 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 if the owner or operating authority is or at any time becomes a partnership, with a copy of the most recent declaration filed under the *Partnerships Registration Act* included in the notification to the *Director* and the *District Manager*;
  - d. change of name of the corporation if the owner or operating authority is or at any time becomes a corporation, with a copy of the "Initial Notice" or the most recent "Notice of Change" (Form 1, 2 or 3 of O. Reg. 189, R.R.O. 1980, as amended from time to time), filed under the Corporations Information Act included in the notification to the *Director* and the *District Manager*.
3. 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 8.2.
4. 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 B.



## SCHEDULE A

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

**Table 1: Operating Scenario 1 - without *Acoustic Barrier***

<i>Publication NPC-300</i> Acoustical Area	Time of Operation	Sound Level Limit (dBA)	Minimum Separation Distance (metres)
Class 1	Day (7 a.m. to 7 p.m.)	50	710
Class 1	Evening (7 p.m. to 11 p.m.)	50	710
Class 1	Night (11 p.m. to 7 a.m.)	45	1,110
Class 2	Day (7 a.m. to 7 p.m.)	50	710
Class 2	Evening (7 p.m. to 11 p.m.)	45	1,110
Class 2	Night (11 p.m. to 7 a.m.)	45	1,110
Class 3	Day (7 a.m. to 7 p.m.)	45	1,110
Class 3	Night (11 p.m. to 7 a.m.)	40	1,685
Class 3	Night (11 p.m. to 7 a.m.)	40	1,685

**Table 2: Operating Scenario 2 - with 6 metre high *Acoustic Barrier***

<i>Publication NPC-300</i> Acoustical Area	Time of Operation	Sound Level Limit (dBA)	Minimum Separation Distance (metres)
Class 1	Day (7 a.m. to 7 p.m.)	50	450
Class 1	Evening (7 p.m. to 11 p.m.)	50	450
Class 1	Night (11 p.m. to 7 a.m.)	45	730
Class 2	Day (7 a.m. to 7 p.m.)	50	450
Class 2	Evening (7 p.m. to 11 p.m.)	45	730
Class 2	Night (11 p.m. to 7 a.m.)	45	730
Class 3	Day (7 a.m. to 7 p.m.)	45	730
Class 3	Night (11 p.m. to 7 a.m.)	40	1,150
Class 3	Night (11 p.m. to 7 a.m.)	40	1,150

Note:

The *Acoustic Barrier* shall have a height of not less than 6 metres above local grade and a length of not less than 40 metres such that it will break the line-of-sight between the *Plant* and all *Points of Reception*. The *Acoustic Barrier* must be located at a distance of not more than 30 metres from the crusher *Plant*.



**SCHEDULE B**

**Form 1  
Environmental Protection Act**

**NOTICE OF INTENDED RELOCATION FOR PORTABLE FACILITY**

- 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. Days of operation: from: \_\_\_\_\_ to: \_\_\_\_\_
  - c. Hours of operations: from: \_\_\_\_\_ to: \_\_\_\_\_
  - d. Maximum production rate: \_\_\_\_\_ (tonnes/hr)
  - e. Type of material to be processed:  
\_\_\_\_\_  
\_\_\_\_\_

Please attach the following:

- 1. A copy of the *Approval*.
- 2. A plot plan and a map of the proposed location, showing the following:
  - a. the entire operating site;
  - b. distance between the *Plant* and the nearest off-property *Point of Reception*;
  - c. distance between the *Plant* and the nearest off-property *Sensitive Receptor*;
  - d. land use within the minimum separation distances from the *Plant* as prescribed in Condition No. 4 of the *Approval*.

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

1. Conditions No. 1 to 6, inclusive, are included to emphasize that the *Plant* must be maintained and operated according to a procedure that will result in compliance with the *EPA*, the regulations and this *Approval* and to provide the minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the *Plant*.
2. Condition No. 7 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. 8 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.

*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](http://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 24th day of January, 2020



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

ES/

c: District Manager, MECP York-Durham  
Natasha Lewis, Pinchin Ltd.

