

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 3964-BD8KKP
Issue Date: March 12, 2020

St. Helen's Meat Packers Ltd.
1 - 3 Glen Scarlett Road
Toronto, Ontario
M6N 1P5

Site Location: 1-3 Glen Scarlett Road
Toronto 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:

a slaughtering house, processing and meat packing facility, operating at the maximum processing rate of up to 450 of large animals (cattle) or up to 900 other animals (such as lambs and goats) per day, consisting of the following operations/equipment; livestock receiving and handling operations;

- slaughter house operations;
- one (1) carcass pressure water wash station (source WASH1), venting into the atmosphere through a stack, having an exit diameter of 0.30 metre, extending 7.32 metres above the roof and 16.46 metres above grade;
- one (1) hot water pasteurization station (source WASH2), venting into the atmosphere through a stack, having an exit diameter of 0.46 metre, extending 4.88 metres above the roof and 14.2 metres above grade;
- one (1) antimicrobial wash station (source WASH3), venting into the atmosphere at a nominal volumetric flow of 0.24 actual cubic metre per second through a stack, having an exit diameter of 0.30 metre, extending 4.88 metres above the roof and 14.02 metres above grade;
- one (1) organic acid wash station (source WASH4), venting into the atmosphere at a nominal volumetric flow of 0.24 actual cubic metre per second through a stack, having a rectangular exit of 0.30 metre by 0.36 metre, extending 1.09 metres above the roof and 10.23 metres above grade;
- bone off-loading of bone by-products to outdoor trailer operations;
- offal trailer bay operations;

- one (1) natural gas fired boiler (source BOILER1), having a maximum heat input of 13.08 gigajoules per hour, venting into the atmosphere through a stack, having an exit diameter of 0.61 metre, extending 1.32 metres above the roof and 11.68 metres above grade;
- one (1) natural gas fired boiler (source BOILER2), having a maximum heat input of 5.38 gigajoules per hour, venting into the atmosphere through a stack, having an exit diameter of 0.51 metre, extending 2.44 metres above the roof and 13.41 metres above grade;
- one (1) natural gas fired boiler (source BOILER3), having a maximum heat input of 14.56 gigajoules per hour, venting into the atmosphere through a stack, having an exit diameter of 0.46 metre, extending 6.40 metres above the roof and 12.50 metres above grade;
- one (1) natural gas fired boiler (source BOILER4), having a maximum heat input of 5.38 gigajoules per hour, venting into the atmosphere through a stack, having an exit diameter of 0.51 metre, extending 3.66 metres above the roof and 9.76 metres above grade;
- three (3) roof-top cooling towers (source CT1, CT2 and CT3), each having a nominal water flow rate of 1,457 litres per minute;
- seven (7) rooftop HVAC units , having a total maximum heat input of 1,107,750 kilojoules per hour;
- one (1) rooftop make-up air unit, having a maximum input of 2,065,690 kilojoules per hour;
- one (1) charring station (source EF1), equipped with one (1) natural gas fired burner, having a maximum heat input of 56,970 kilojoules per hour, venting into the atmosphere through a stack, having an exit diameter of 1.52 metres, extending 1.22 metres above the roof and 7.32 metres above grade;
- hides handling, including rooftop conveying and loading operations;
- general exhaust systems serving barn and kill floor areas;
- up to three refrigerations trucks continuously operating at the site (shipping bays);

all in accordance with the Application for Approval (Air & Noise) submitted by St. Helen's Meat Packers Ltd. dated June 21, 2018, and signed by Leslie Gold, Executive Director, Special Project Division; the revised Emission Summary and Dispersion Modelling Report dated March 6, 2019 and prepared by Gayle Giesbrecht (BluMetric Environmental Inc.); the two (2) letters from St. Helen's Meat Packers Limited dated March 25, 2019 and signed by Marco Maturi, Director of Systems; and all other 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 and proposed at the *Facility* . "Acoustic Assessment Report" also means the report prepared by Aercoustics Engineering Limited, dated September 20, 2019 and signed by Michael Medal, B.A.Sc., P.Eng.

2. "*Acoustic Audit* " means an investigative procedure consisting of measurements and/or acoustic modelling of all sources of noise emissions due to the operation of the *Facility* , assessed to determine compliance with the performance limits for the *Facility* regarding noise emissions, completed in accordance with the procedures set in *Publication NPC-103* and reported in accordance with *Publication NPC-233* .
3. "*Acoustic Audit Report* " means a report presenting the results of an *Acoustic Audit* , prepared in accordance with *Publication NPC-233* .
4. "*Acoustical Consultant* " means a person currently active in the field of environmental acoustics and noise/vibration control, who is familiar with *Ministry* noise guidelines and procedures and has a combination of formal university education, training and experience necessary to assess noise emissions from a *Facility* . "*Approval*" means this Environmental Compliance Approval, including the application and supporting documentation listed above.
5. "*BMPP*" means the Odour Best Management Plan (BMPP) - Version 3, dated March 4, 2019 prepared for St. Helen's Meat Packers Ltd. by Karina E. Kenigsberg, Senior Consultant and Chris Scullion, Managing Consultant (Trinity Consultants).
6. "*Company*" means St. Helen's Meat Packers Ltd., that is responsible for the construction or operation of the *Facility* and includes any successors and assigns.
7. "*District Manager*" means the District Manager of the appropriate local district office of the *Ministry*, where the *Facility* is geographically located.
8. "*EPA*" means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended.
9. "*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*.
10. "*Facility*" means the entire operation located on the property where the *Equipment* is located.
11. "*Independent Acoustical Consultant* " means an Acoustical Consultant who is not representing the *Company* and was not involved in preparing the Acoustic Assessment Report or the design/implementation of Noise Control Measures for the *Facility* and/or *Equipment*. The Independent Acoustical Consultant shall not be retained by the Acoustical Consultant involved in the noise impact assessment or the design/implementation of Noise Control Measures for the *Facility* and/or *Equipment*.
12. "*Manual*" means a document or a set of documents that provide written instructions to staff of the *Company*.
13. "*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.
14. "*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, as outlined in the *Acoustic Assessment Report* .

15. "*Publication NPC-103* " means the Ministry Publication NPC-103 of the Model Municipal Noise Control By-Law, Final Report, August 1978, as amended.
16. "*Publication NPC-233* " means the Ministry Publication NPC-233, "Information to be Submitted for Approval of Stationary Sources of Sound", October 1995, as amended.
17. "*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.
18. "*Truck(s)* " means non-refrigerated truck(s) or refrigerated truck(s).

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;
2. The *Company* shall immediately implement the *BMPP* for the control of odour emissions resulting from the operation of the *Facility*. The *Company* shall update the *BMPP* as necessary or at the direction of the *District Manager*.
3. The *Company* shall limit slaughtering operations from Monday to Friday, between 7:00 am to 4:00 pm.
4. The *Company* shall develop and implement procedures to reduce livestock trucks receiving/unloading time and to ensure on-site parking for livestock delivery trucks.

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 January 31, 2021 the *Noise Control Measures* as outlined in the *Acoustic Assessment Report*;
 - b. ensure, subsequent to the implementation of the proposed *Noise Control Measures* that the noise emissions from the *Facility* comply with the limits set in *Ministry Publication NPC-300*;
 - c. ensure that the *Noise Control Measures* are properly maintained and continue to provide the acoustical performance outlined in the *Acoustic Assessment Report*;
 - d. limit *Trucks* arrivals and departures during the hours of 7 a.m. to 11 p.m. in accordance with the following:
 - i. a maximum of twenty-four (24) non-refrigerated trucks per sixty (60) minute period; and
 - ii. a maximum of sixteen (16) refrigerated trucks per sixty (60) minute period.
 - e. limit *Trucks* arrivals and departures during the hours of 11 p.m. to 7 a.m. in accordance with the following:
 - i. a maximum of eight (8) non-refrigerated trucks per sixty (60) minute period; and
 - ii. a maximum of six (6) refrigerated trucks per sixty (60) minute period.

5. ACOUSTIC AUDIT

1. The *Company* shall carry out *Acoustic Audit* measurements on the actual noise emissions due to the operation of the *Facility*. The *Company* :
 - a. shall carry out *Acoustic Audit* measurements in accordance with the procedures in *Publication NPC-103*;
 - b. shall submit an *Acoustic Audit Report* on the results of the *Acoustic Audit*, prepared by an *Independent Acoustical Consultant*, in accordance with the requirements of *Publication NPC-233*, to the *District Manager* and the *Director* not later than three (3) months after the full implementation of the *Noise Control Measures*.
2. The *Director*:
 - a. may not accept the results of the *Acoustic Audit* if the requirements of *Publication NPC-233* were not followed;
 - b. may require the *Company* to repeat the *Acoustic Audit* if the results of the *Acoustic Audit* are found unacceptable to the *Director*.

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 gather accurate information and submit an *Acoustic Audit Report* in accordance with procedures set in the *Ministry*'s noise guidelines, so that the environmental impact and subsequent compliance with this *Approval* can be verified.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 8-3124-81-006 issued on September 30, 1981.

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

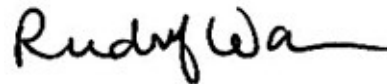
The Director appointed for the purposes of
Part II.1 of the Environmental Protection Act
Ministry of the Environment,
Conservation and Parks
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** 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 www.ebr.gov.on.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 12th day of March, 2020



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

JK/

c: District Manager, MECP Toronto District Office
Gayle Giesbrecht, BluMetric Environmental Inc.