

AN ORDER OF THE CLEAN ENVIRONMENT COMMISSION
UNDER THE CLEAN ENVIRONMENT ACT

RE: THE CLEAN ENVIRONMENT COMMISSION and SPRINGHILL FARMS LTD., Applicant,

WHEREAS pursuant to the provisions of The Clean Environment Act, Springhill Farms Ltd. filed a proposal with the department in connection with the operation of a hog abattoir located in the SW 1/4 of Section 35, Township 14, Range 15 WPM in the Rural Municipality of Langford, Manitoba;

AND WHEREAS in the absence of limits, terms and conditions prescribed by a regulation under the said Act, the proposal was referred to The Clean Environment Commission to prescribe limits, terms and conditions;

AND WHEREAS after giving notice of its intention to issue an order prescribing limits, terms and conditions, the Commission received notice of representation from persons who were likely to be affected and held a hearing in Neepawa on the 2nd and 3rd days of July, 1986;

AND WHEREAS the Commission considered the proposal on the 23rd day of July, 1986;

IT IS HEREBY ORDERED THAT

1. The Applicant shall not cause or permit the emission of particulate matter from any point of emission of the said operation in excess of 0.23 grams per dry standard cubic metre calculated at 25 degrees Celsius and 760 millimetres of mercury, corrected to 12 percent carbon dioxide for processes involving combustion.
2. The Applicant shall not cause or permit visible emissions from any point of emission of the said operation that exhibit an opacity equal to or greater than:
 - (a) 20 percent for more than 4 minutes in the aggregate in any one hour;
 - (b) 40 percent at any time.

3. The Applicant shall limit the emission of particulate matter from the said operation to such an extent that airborne particulate matter from any part or process of the said operation does not exhibit an opacity greater than 5% at any point beyond the property line of the said operation.
4. The Applicant shall limit odour emissions to such an extent that, at any point of impingement off the site of the said operation except the premises of commercial operations as at the date of issuance of this order located within the SW 1/4 of Section 35, Township 14, Range 15, WPM, odours emanating from the said operation are not detectable in a residential area or commercial area when one volume of odorous air is diluted with one equal volume of odour-free air.
5. The Applicant shall not cause or permit the emission of sound from any part of the said operation which, when measured in accordance with Appendix "A" to this order, in a residential area, exceeds the following hourly equivalent continuous sound level limits:
 - (a) subject to (b):
 - (i) 60 dBA during the daytime hours of 7:00 a.m. to 10:00 p.m., local time;
 - (ii) 50 dBA during the nighttime hours of 10:00 p.m. to 7:00 a.m., local time;
 - (b) when subjective evaluation or measurements indicate the intermittent or continuous noise has a significant impulsive character or predominant discrete tone:
 - (i) 55 dBA during the daytime hours of 7:00 a.m. to 10:00 p.m., local time;
 - (ii) 45 dBA during the nighttime hours of 10:00 p.m. to 7:00 a.m., local time.

6. The Applicant shall dispose of all solid and liquid wastes from the operation, including renderable wastes, paunch manure and manure within 24 hours of its production or retain in enclosed storage tanks in such a manner that odours are not generated in excess of the limit specified in clause 4.
7. The Applicant shall at all times direct all process wastewater, including sanitary sewage, and any supernatant overflow from the hog manure and truck wash water holding tank, (but excluding blood designated for the blood tank), which is discharged from the plant for disposal into the environment, to the wastewater treatment facility owned by the Town of Neepawa and located adjacent to the plant site.
8. The Applicant shall not discharge any of the said wastewater from the plant towards the said wastewater treatment facility, within any consecutive 24-hour period, where such wastewater is of a quantity or quality in excess of the daily design treatment capability of the said wastewater treatment facility, or which would otherwise hamper its treatment capability.
9. The Applicant shall:
 - (a) at all times drain all blood (excluding that which is carried to the wastewater drainage system during general washup sequences or from carcass rinsing) into the blood tank;
 - (b) not direct any blood from the blood tank towards the said wastewater treatment facility or to any other disposal except to a rendering operation.
10. The Applicant shall at all times maintain a high standard of equipment maintenance and good housekeeping practices consistent with meeting the limits, terms and conditions prescribed by this order.
11. The Applicant shall construct stack sampling facilities in a manner satisfactory to the Environmental Management Division; the said facilities shall include proper sampling ports, safe sampling platforms, safe access to the said sampling platforms, access to electrical power to operate the said sampling equipment and such additional sampling facilities as are requested by the said Division.

12. The Applicant shall continuously and accurately measure the quantity of fresh water directed into the plant by means of a device accessible to an environment officer upon verbal request.
13. The Applicant shall carry out the disposal of hog manure, by application to agricultural land in accordance with any conditions prescribed in writing by the Commission.
14. The Applicant shall, on or before the 1st day of October, 1986, submit for approval by the Commission, a contingency plan for dealing with the management of the renderable waste generated under any circumstance whereby the contracted rendering company is unable to process the waste for a period in excess of seven days.
15. The Applicant shall, at the request of the Commission, investigate specific areas of concern regarding any segment, component or aspect of contaminant containment, treatment, handling or disposal systems associated with the operation, and provide the Commission with such engineering studies, drawings, specifications, analyses of contaminants at designated locations, and such other information as may be so requested.
16. In this Order:
 - (a) "impulsive sound" means hammering type sound having peaks one second or more apart, with less than 60 impacts per minute;
 - (b) "predominant discrete tone" means a sound having a one-third octave band sound level which, when measured in a one-third octave band, exceeds the arithmetic average of the sound levels of the two adjacent one-third octave bands on either side of such one-third octave band by:
 - (i) 5 dB for such one-third octave band with a center frequency from 500 Hertz to 20,000 Hertz, inclusive, provided such one-third octave band sound level exceeds the sound level of each adjacent one-third octave band, or;

16. (ii) 8 dB for such one-third octave band with a center frequency from 160 Hertz to 400 Hertz, inclusive, provided such one-third octave band sound level exceeds the sound level of each adjacent one-third octave band, or;
- (iii) 15 dB for such one-third octave band with a center frequency from 25 Hertz to 125 Hertz, inclusive, provided such one-third octave band sound level exceeds the sound level of each adjacent one-third octave band.

Order No. 1102

Dated at the City of Winnipeg
this 29th day of July, 1986.


Chairman,
The Clean Environment Commission.

File: 2754.0

RESERVED

Appendix "A"

to

Order No. 1102

Noise level determinations, pursuant to Clauses 5(a) and 5(b) of this order shall be based on measurements made as follows:

- (a) beyond the property line of Springhill Farms Ltd.
- (b) excluding any significant interfering sounds from other sources; and
- (c) in terms of the equivalent continuous sound level averaged over a 1 hour period (60 minutes), using a sound level monitoring device which equals or surpasses the requirements of Canadian Standards Association Standard Z 107.1 - 1973 (or the equivalent) for Type 2 sound level meters, operated on the "A-weighting network" and "slow" meter response.