

Environment Act Licence

Manitoba
Environment and
Workplace Safety
and Health



Licence No. 1237

Issue Date November 16, 1988

In accordance with the Manitoba Environment Act (C.C.S.M. c. E125)

THIS LICENCE IS ISSUED TO:

REDE PAK FINE FOODS LTD.: APPLICANT

The following limits, terms, and conditions shall be complied with in connection with the operation of a peanut processing operation located at or near 1405 Church Avenue in the City of Winnipeg, Manitoba:

1. The Applicant shall not cause or permit the emission of particulate matter from any point of emission of the 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 operation that exhibit an opacity equal to or greater than:
 - (a) 20 percent for a period of 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 operation to such an extent that airborne particulate matter from any part or process of the operation does not at any time remain visible beyond the property line of the operation.

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4. The Applicant shall limit odour emissions to such an extent that at any point of impingement off the site of the operation, odours emanating from the operation are not detectable:
 - (a) in a residential area or commercial area when one volume of odorous air is diluted with one equal volume of odour-free air;
 - (b) in an industrial area when one volume of odorous air is diluted with six equal volumes of odour-free air.
5. A: The Applicant shall not cause or permit the emission of sound from any part of the operation which, when measured in accordance with Clause 6 of this Licence, 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 (for example, a whine or hum):
 - (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.
- B: The Applicant shall not cause or permit the emission of sound from any part of the operation which, when measured in accordance with Clause 6 of this Licence, in an industrial area or commercial area, is in excess of an $L_{eq}(1)$ of 70 dBA.

6. Noise level determinations, pursuant to Clauses 5A and 5B of this Licence shall be based on measurements made as follows:

- (a) beyond the property line of Rede Pak Fine Foods 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.

7. In this Licence:

- (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;
 - (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.
- (c) " $L_{\text{equivalent}}$ (L_{eq})" - the equivalent, A-weighted sound level is the intensity (dB A) of the constant or steady sound level that would result in exposure to the same total A-weighted energy as would the specified time varying sound, if the constant sound level persisted over an equal time interval. Note $L_{\text{eq}}(1)$ is the equivalent sound level for a 1-hour period, and similarly, the $L_{\text{eq}}(24)$ represents the equivalent sound level for a 24-hour period.

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- 8. The Applicant shall ensure that a high standard of equipment maintenance and good housekeeping practices are carried out at all times consistent with meeting the requirements of this Licence.**
- 9. The Applicant shall at the request of the Director:**
 - (a) conduct testing for the emissions referred to in Clauses 1, 4, and 5 of this Licence within 60 days of the Director's request in a manner satisfactory to the Director;**
 - (b) submit a report containing the testing data and all other related data to the Director within 90 days after completion of the testing.**



**C. B. Orcutt
Director
Environmental Control Services**

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