

"Binder Copy"

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

RE: THE CLEAN ENVIRONMENT COMMISSION and CARGILL GRAIN COMPANY LIMITED,
Applicant,

WHEREAS pursuant to the provisions of The Clean Environment Act, Cargill Grain Company Limited filed an application with the Department of Consumer and Corporate Affairs and Environment in connection with the continued operation of a grain elevator located in Parcel "C", Plan 1286C in the NW $\frac{1}{4}$ of Section 19, Township 8, Range 4 WPM in the Rural Municipality of Grey at Elm Creek, Manitoba;

AND WHEREAS in the absence of limits, terms, and conditions prescribed by a Regulation issued under the said Act, the application was referred to The Clean Environment Commission for the prescribing of limits, terms, and conditions;

AND WHEREAS after giving notice, the Commission received a representation from a person who is likely to be affected by an order of the Commission issued in connection with the said operation;

AND WHEREAS the Commission held a hearing in Elm Creek on the 12th day of January, 1981;

AND WHEREAS the Commission considered the application on the 16th day of February, 1981;

IT IS HEREBY ORDERED THAT

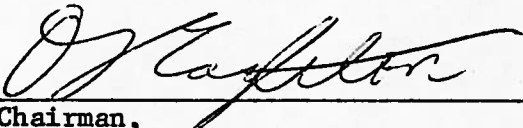
1. The Applicant shall ensure that solid particulate emissions from any process of the said operation do not exceed 0.23 grams per standard cubic meter calculated at 25 degrees Celsius and 760 millimeters of mercury at the point of emission.
2. The Applicant shall ensure that particulate matter from any source of the said operation does not become airborne to the extent that the said particulate matter remains visible past the property line of the said operation.
3. The Applicant shall ensure that, on and after the 1st day of June, 1981, sound emissions from the said operation, when measured beyond the property line of the said operation and within a residential area:

*Assigned to
Air Pollution
Control
March 2/81
E.*

3. (a) subject to Clause 3(b) of this order, do not result in an hourly equivalent sound level* in excess of:
- (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) where subjective evaluation or measurements indicate that the sound has a significant impulsive characteristic** (hammering, clanging) or predominant discrete tone(s)***, do not result in an hourly equivalent sound level in excess of:
- (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.
4. The Applicant shall ensure that a high standard of equipment maintenance and good housekeeping practices are carried out at all times to meet the limits prescribed in this order.

Order No. 909

Dated at the City of Winnipeg
this 26th day of February, 1981.


Chairman,
The Clean Environment Commission.

Attachment forming part of this order - Appendix A.

File: 2407.0

DEFINITIONS

- * "hourly equivalent sound level" means a sound level measured in terms of the equivalent continuous sound level averaged over a one-hour period (60 minutes) using a sound level monitoring device which equals or surpasses the requirements of Canadian Standards Association Z107.1-1973 (or the equivalent) for Type 2 sound level meters, operated on the "A-weighting network" and "slow" meter response;

- ** "impulsive characteristic" means hammering type sound having peaks one second or more apart, that is, less than 60 impacts per minute;

- *** "predominant discrete tone(s)" means a sound having a one-third octave band 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 centre 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;

 - (ii) 8 dB for such one-third octave band with a centre frequency from 160 Hertz to 400 Hertz, inclusive, provided that 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 centre 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.