

*BINDER COPY*

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

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RE: THE CLEAN ENVIRONMENT COMMISSION and VERSATILE MANUFACTURING LTD., Applicant,

WHEREAS pursuant to the provisions of The Clean Environment Act, Versatile Manufacturing Ltd. filed a proposal with the department in connection with the operation of an agricultural machinery test facility located on Lot 1, as shown on Plan 15132, in the SW $\frac{1}{4}$  of Section 26, Township 8, Range 1, EPM, in the Rural Municipality of Macdonald, Manitoba;

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

AND WHEREAS after giving notice, the Commission received notice of representation from a person 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 Sanford, Manitoba, on the 4th day of October, 1982;

AND WHEREAS the Commission considered the proposal on the 25th day of October, 1982, and the 15th day of November, 1982;

IT IS HEREBY ORDERED THAT

1. The Applicant shall not cause or permit the emission of sound from the said operation which, when measured beyond the property line of the said operation within 15 metres of an occupied residence:

(a) subject to (b), exceeds an hourly equivalent sound level 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;

*Assigned  
to  
AFC  
JC  
Nov. 22/82*

1. (b) where subjective evaluation or measurements indicate the sound has a significant impulsive characteristic or predominant discrete tone(s), exceeds an hourly equivalent sound level 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.
  
2. In this order:
  - (a) "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;
  - (b) "impulsive characteristic" means hammering type sound having peaks one second or more apart, that is, less than 60 impacts per minute;
  - (c) "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 such one-third octave band sound level exceeds the sound level of each adjacent one-third octave band;

2. (c) (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.

Order No. 967

Dated at the City of Winnipeg  
this 19th day of November, 1982.

  
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Chairman,  
The Clean Environment Commission.

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