

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

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RE: THE CLEAN ENVIRONMENT COMMISSION and BEAUSEJOUR REDI-MIX CONCRETE & SUPPLIES (1977) LTD., Applicant,

WHEREAS pursuant to the provisions of The Clean Environment Act, Beausejour Redi-Mix Concrete & Supplies (1977) Ltd., filed a proposal with the Department of Mines, Natural Resources and Environment in connection with the operation of a concrete batching plant located on Lot 11, part of the SE $\frac{1}{4}$  of Section 2-13-7 EPM in the Rural Municipality of Brokenhead, Manitoba;

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

AND WHEREAS representations were received from persons who are or who are likely to be affected by an order of the Commission prescribing limits in connection with the said operation;

AND WHEREAS the Commission held a hearing in Beausejour on the 9th day of April, 1979, to receive evidence and representations in connection with the said operation;

AND WHEREAS the Commission considered the proposal on the 18th day of June, 1979;

IT IS HEREBY ORDERED THAT

1. 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 Standard Z107.1-1973 (or the equivalent) for Type 2 sound level meters, operated on the "A-weighting network" and "slow" meter response;

1. (b) "impulsive characteristics" 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 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.
2. The Applicant shall ensure that sound emissions from the said operation, when measured beyond the property line of the said operation and within 15 meters of an occupied residence:
    - (a) subject to Clause 2(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;

2. (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 continuous 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.
3. 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.
4. 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 exhibits an opacity in excess of 5 percent past the property line of the said operation.
5. The Applicant shall ensure that particulate emissions from any point of emission of the said operation do not exhibit an opacity greater than or equal to:
  - (a) 40 percent at any time; or
  - (b) 20 percent for a period exceeding 4 minutes in any one hour.
6. 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. 835

Dated at the City of Winnipeg  
this 29th day of June, 1979.

  
Chairman,  
The Clean Environment Commission

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