

# Environment Act Licence

Manitoba  
Environment



Licence No. 1431

Issue Date JULY 11, 1991

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

THIS LICENCE IS ISSUED TO:

BRIAN KENNETH BRINDLEY; APPLICANT

The following limits, terms and conditions shall be complied with in connection with the operation of a concrete batch plant located on the SE 1/4 Section 28, Township 13, Range 1, WPM, in the Rural Municipality of Woodlands, in the Province of Manitoba:

1. 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) 40 percent at any time;
  - (b) 20 percent for a period exceeding 4 minutes in the aggregate in any one hour.
2. 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 exhibit an opacity in excess of 5 percent past the property line of the operation.
3. The Applicant shall not cause or permit the emission of sound from the operation which when measured beyond the property line of the operation in a residential area:
  - (a) Subject to (b), exceeds an hourly equivalent sound level  $L_{eq}(1)$  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 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.

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4. Noise level determinations, pursuant to Clause 3 of this Licence shall be based on measurement made as follows:
  - (a) beyond the property line of the concrete batch plant;
  - (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.
5. In this Licence, "Lequivalent" or "Leq" means the equivalent, A-weighted sound level, which signifies the intensity (dBA) 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. "Leq(1)" means the equivalent sound level for a 1-hour period.
6. 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.



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Larry Strachan, P. Eng.  
Director  
Environment Act