

# Environment Act Licence

Manitoba  
Environment



Licence No. 1341  
Issue Date JANUARY 17, 1990

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

THIS LICENCE IS ISSUED TO:

**BRANDON UNIVERSITY, NEW STEAM PLANT; APPLICANT**

The following limits, terms, and conditions shall be complied with in connection with the operation of a Steam Plant located at Lots 11, 12, 13, Block 39, Plan No. 15, B.L.T.O. in the City of Brandon, 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 or periods of more than 4 minutes in the aggregate in any one hour;
  - (b) 40 percent at any time.

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3. 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 4 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 4 of this Licence, in an industrial area or commercial area, is in excess of an  $L_{eq}(1)$  of 70 dBA.

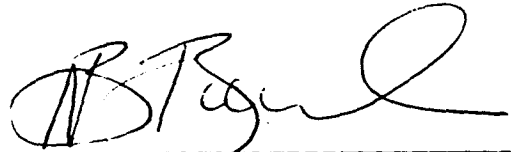
4. Noise level determinations, pursuant to Clause 3 of this Licence shall be based on measurements made as follows:

(a) beyond the property line of Brandon University, Steam 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. 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.
6. The Applicant shall ensure that adequate stack sampling facilities are installed in a manner satisfactory to the Director; the facilities shall include proper sampling ports, safe sampling platforms, safe access to sampling platforms, access to electrical power to operate the sampling equipment and such additional sampling facilities as are requested by the Director.
7. The Applicant shall at the request of the Director:
  - (a) conduct testing for the emissions referred to in Clause 1 of this Licence within 60 days of the Director's request in a manner satisfactory to the Director; and,
  - (b) submit a report containing the testing data and all other related data to the Director within 90 days after completion of the testing.



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Norman B. Brandson  
Director  
Environmental Management Services

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