

Environment Act Licence

Manitoba
Environment



Licence No. 1551

Issue Date MAY 1, 1992

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

THIS LICENCE IS ISSUED TO:

MANITOBA HYDRO: " the Licencee"

subject to the following specifications, limits, terms and conditions for the construction, operation, and maintenance of the Development known as the Sioux Valley 115-24 kV Distribution Station located on NE 1/4 28-10-23 WPM in the Rural Municipality of Woodworth:

DEFINITIONS:

In this Licence:

"**A-weighted sound level**" means the sound level measured with a sound level meter set on the A-weighting network, a filter designed to approximate the relative sensitivity of the normal human ear to different frequencies of sound. The unit of measurement is denoted **dB**A.

"**dB (decibel)**" means a dimensionless measure of sound level or sound pressure level. Sound level = $20 \log_{10} \frac{\text{pressure (actual)}}{\text{pressure (reference)}}$

"**dB**A" means a denotation used to indicate a unit of sound measurement.

"**Leq(1)**" means the **Leq** level for a 1 hour period.

"**Leq (Lequivalent)**" means the equivalent **A-weighted sound level** and is the intensity (**dB**A) 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.

SPECIFICATIONS, LIMITS, TERMS AND CONDITIONS

- 1) The Licencee shall construct the Development at the location described as site #2 in accordance with the Environment Act Proposal, dated February 14, 1992.
- 2) The Licencee shall construct Stage 1 and Stage 2 of the Development as described in Section (vii) "Description of the Proposed Station Development" of the Environment Act Proposal, dated February 14, 1992.
- 3) The Licencee shall ensure that the emission of sound from the Development, when measured beyond the property line of the station in a residential area, does not exceed an $L_{eq}(1)$ level of 45 dBA during the nighttime hours of 10:00 p.m. to 7:00 a.m. local time. This measurement shall be based on The Province of Manitoba, "SOUND POLLUTION GUIDELINES."
- 4) The Licencee shall submit its Plans and Specifications for oil containment equipment for installation at the station site to the Director. These Plans and Specifications must be approved by the Director prior to the commencement of construction of the Development.
- 5) The Licencee shall construct and install the oil containment equipment as described in the Plans and Specifications approved by the Director.



L. Strachan, P. Eng.
Director
Environment Act