

January 11, 2022

Client File No. 5433.00

Licence No. 3055

Laura Pyles
Director (Acting)
Environmental Approvals Branch
Manitoba Conservation and Climate
1007 Century Street
Winnipeg, MB R3H 0W4

Dear Laura:

RE: Bipole III Transmission Project (Licence 3055) – Licence Condition # 57

Pursuant to condition 57 of the Bipole III Transmission Project *Environment Act* Licence #3055, please find attached the Bipole III Electric and Magnetic Field Effects Monitoring Report.

This report outlines the required Bipole III Electric and Magnetic Field (EMF) environmental field effects monitoring conducted by Manitoba Hydro.

In the approved June 2014 socio-economic monitoring plan for construction, Manitoba Hydro committed to:

- Take measurements of select variables pre-construction to establish a baseline (e.g., electric fields, magnetic fields);
- Take measurements of select variables post-construction to determine project contribution to select variable levels; and
- Compare measurements to the predictions made in the EIS.

Pre-construction baseline measurements for electric and magnetic field, space charge, natural ion counts, and weather data, were gathered from a monitoring station located near Dugald, Manitoba. Post-construction measurements have been taken from a monitoring site southeast of Winnipeg since fall of 2019, for four primary EMF effects: electric fields, magnetic fields, radio noise, and audible noise. Weather parameters and secondary air chemistry effects including total space charge, ion density, aerosol counts/charge, ozone concentration, were also monitored since these parameters influence EMF effects. These parameter measurements were compared to predictions made in the Environmental Impact Statement (EIS) for the Bipole III Transmission Project.

The measurement and analysis of data shows EMF levels are consistently within levels predicted in the EIS.

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Should you have any questions or require further clarification of our comments, please do not hesitate to contact me at 204-360-3119.

Yours truly,

Original signed by

James Matthewson
Licensing & Environmental Assessment Dept Manager