



Sustainable Development

Environmental Stewardship Division
Environmental Approvals Branch
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File: 3252.00
Licence No. 1703 R

March 17, 2017

Marcus Smith
Senior Environmental Specialist
Manitoba Hydro
360 Portage Avenue
Winnipeg, MB R3C 0G8
Via Email: mosmith@hydro.mb.ca

Dear Mr Smith:

Re: Brandon Generating Station – Alteration to Groundwater Monitoring Program

Thank you for your submission dated February 10, 2017 in which you have requested a modification to Clause 41 of Environment Act Licence 1703 R. The modification is requested to amend the groundwater monitoring frequency for the indicator parameters from quarterly to annual. It is understood that over the last 19 years the indicator parameters have not shown any significant changing trend.

Upon review of the information submitted and in accordance with Clause 41, I have determined that the frequency of groundwater monitoring can be decreased. The parameters to be monitored per Clause 41 (a) of Environment Act Licence 1703 R have been revised and are enclosed as Table 1. All other limits, terms and conditions of Environment Act Licence 1703 R remain in place.

If you require further information regarding this matter, please contact Eshetu Beshada at (204) 945-7023 or Eshetu.Beshada@gov.mb.ca.

Yours sincerely,

Tracey Braun, M.Sc.
Director

c: Don Labossiere / Tim Prawdzik / Peter Crocker, Environmental Compliance and Enforcement
Eshetu Beshada, Environmental Engineer, Environmental Approvals
Public Registries

Table 1: Groundwater Monitoring Program, Clause 41(a) Licence No. 1703 R

PARAMETER	Annual Monitoring
Water Table Elevation	X
pH	X
Calcium	X
Magnesium	X
T. Hardness	X
CO ₃ Alkalinity	
HCO ₃ Alkalinity	
T. Alkalinity	X
Conductivity	X
Chlorides	X
Sulphates	X
Total Dissolved Solids	X
Nitrate	X
Diss. Sodium	X
Diss. Potassium	X
Diss. Arsenic	X
Diss. Barium	X
Sol. Boron	X
Diss. Cadmium	X
Diss. Chromium	X
Diss. Copper	X
Diss. Iron	X
Diss. Lead	X
Diss. Manganese	X
Diss. Nickel	X
Diss. Selenium	X
Diss. Zinc	X