

Environmental Stewardship Division
Environmental Approvals Branch
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September 2, 2016

Indra Kalinovich
Associate
Dillon Consulting
1558 Willson Place
Winnipeg, MB R3J 0Y4

Dear Ms. Kalinovich:

Re: RM of Tache Class 1 Waste Disposal Ground, Licence 2373 E RR – Request for Alteration for Groundwater Sampling Parameters

Receipt of your August 30 and August 31, 2016 letters are acknowledged as a notice of alteration in accordance with section 14 of *The Environment Act*.

The requested change to the development as Licenced is the replacement of Table 1, Background Water Quality Chemical and Microbiological Parameters with the recently issued Baseline Groundwater Chemistry Parameters as found in the Standards for Landfills in Manitoba (2016).

The potential environmental effect of the requested change to the Development as Licensed is insignificant and considered to be a minor alteration in accordance with section 14(2) of *The Environment Act*. The requested change to the Development as described in the August 2016 submissions are hereby approved and the new sampling parameters are attached to this letter as Table 1.

Please be advised that this approval is contingent on the acceptance of a revised Environment Act Licence that will be issued in the near future. If you have any questions regarding the revised licence, please contact Ms. Cory Switzer, Environmental Engineer at 204-250-7645 or by electronic mail at cory.switzer@gov.mb.ca.

Yours sincerely,

“original signed by”
Tracey Braun, M.Sc.
Director

c: D. Labossiere/D.Smiley/D.Oertel, Environmental Compliance and Enforcement Branch
P. Skjaerlund, RM Tache
Public Registries

**TABLE 1 (REVISED SEPTEMBER 2016)
TO ENVIRONMENT ACT LICENCE NO. 2373 E RR Clause 34
Water Chemistry Parameters**

Chemical Parameters		
Inorganics		
Alkalinity – Total		Magnesium – Dissolved
Ammonia – Total		Manganese – Dissolved
Arsenic – Total		Mercury – Dissolved
Barium – Dissolved		Nitrate - Reported as N
Boron – Dissolved		Nitrite - Reported as N
Cadmium – Dissolved		Total Kjeldahl Nitrogen – Reported as N
Calcium – Dissolved		pH
Calcium Carbonate		Total Phosphorous
Chloride		Potassium – Dissolved
Chromium – Dissolved		Silicon – Dissolved
Conductivity		Sodium – Dissolved
Copper – Dissolved		Total Dissolved Solids (TDS)
Iron – Dissolved		Sulphate
Lead – Dissolved		Uranium – Dissolved
		Zinc – Dissolved
Volatile Organic Compounds (VOC's)		
BTEX		
Other Organics		
Biological Oxygen Demand (BOD)		Chemical Oxygen Demand (COD)
Dissolved Organic Carbon (DOC)		
Field Parameters		
pH		Groundwater Elevation
Conductivity		Dissolved Oxygen
Temperature		

Note: All metals (except Arsenic) are to be sampled for dissolved analysis. Dissolved samples should be filtered in the field and preserved in the field at time of sampling. If dissolved samples are not to be filtered and preserved in the field then Sustainable Development and the Laboratory must be notified prior to sampling.