

Station	Location	Removal of Parameters from Schedule C 3AM-IQA0611
IQA-01	Raw Water Lake Geraldine	Removal of testing requirements from the licence
IQA-02	Effluent Sewage Lagoon	Chlorinated Alkanes*, LC50 Bioassays
IQA-03	Influent Sewage Lagoon	Removal of testing requirements from the licence
IQA-04	Effluent Wastewater Treatment Plant	Chlorinated Alkanes*, LC50 Bioassays
IQA-05	Influent Wastewater Treatment Plant	Chlorinated Alkanes*, LC50 Bioassays
IQA-06	Sludge	No Removals
IQA-07	Surface Water entering West 40 Landfill	Removal of testing requirements from the licence
IQA-08	Final Discharge Point West 40 Landfill	No Removals
IQA-09	Contaminated Soils accepted at West 40 Landfill	Removal of testing requirements from the licence

Note\*

The City agrees with Environment and Climate Change Canada that it is appropriate to explore options for investigating Chlorinated Alkanes outside of the Water Licence.

Addition to Parameters in Schedule C 3AM-IQA0611	Testing Frequency (before WWTP Commissioning)
Removal of testing requirements from the licence	Removal of testing requirements from the licence
No Additions	Intermittently (During Decants)
Removal of testing requirements from the licence	Removal of testing requirements from the licence
<p>Procedure for pH Stabilization during testing of acute lethality of Wastewater Effluent to Rainbow Trout - EPS1/RM/50 (after WWTP Commissioning) if single concentration bioassay test fails, and un-ionized ammonia is less than or equal to 1.25 mg/L.</p>	Quarterly
No Additions	Semi-Annually
No Additions	Quarterly
Removal of testing requirements from the licence	Removal of testing requirements from the licence
No Additions	Intermittently (During Decants)
Removal of testing requirements from the licence	Removal of testing requirements from the licence

Testing Frequency (after WWTP Commissioning)	Notes
Removal of testing requirements from the licence	- Drinking Water is subject to the Public Health Act
Intermittently (During Decants)	- It is assumed that the City would not pass an LC50 Bioassay - It is only possible to take samples during decants
Removal of testing requirements from the licence	- The inlet to the lagoon is inaccessible
Monthly (all parameters except Acute Lethality Test), Annually (Acute Lethality Test)	- At this time it is assumed the City would not pass an LC50 Bioassay test - It was discussed and agreed that the City would use a single concentration bioassay test for acute lethality instead of the LC50 Bioassay (EPS1/RM/13). If there is a test failure and un-ionized ammonia concentrations are less than or equal to 1.25 mg/L, the Procedure for pH Stabilization during testing of acute lethality of Wastewater Effluent to Rainbow Trout can be used (EPS1/RM/50).
Removal of testing requirements from licence	- At this time it is assumed the City would not pass an LC50 Bioassay test - The City agreed that it did not have to submit sample results once secondary treatment is commissioned
Quarterly	- It was agreed that the City would sample sludge quarterly
Removal of testing requirements from the licence	- The Landfill is surrounded by a series of perimeter berms to contain all runoff that is generated on site, other than precipitation no surface water can enter the site
Intermittently (During Decants)	- The City can only sample during decants
Removal of testing requirements from the licence	- The City does not accept contaminated soils at the landfill, there is a private business in Iqaluit that handles contaminated soils