

1. Under the Monitoring Program subsection of Inspection and Monitoring what water sampling and analysis are you requesting?
 - a. In house testing at the Water Treatment Plant, Wastewater Treatment Plant and the landfill
 - b. Samples collected at each of the three facilities above and then sent for testing
 - c. INAC or Department of Health testing

It is referring to (a) and (b). INAC would submit its own monitoring data with the inspection reports.

For the most part, the NWB is interested in compliance monitoring data, which is effluent and runoff to the receiving environment that is regulated under the Licence. The Licensee would be taking samples from points identified in the monitoring program and in accordance with the QA/QC sampling plan. Those samples would go to a lab and the results would be submitted to the NWB as part of the monthly general monitoring reports requested under Part I, Item 11.

In this case, in Part I Item 4 of the Licence, the Licensee was asked to submit Monitoring Program for the water supply, Wastewater Treatment Plant, and West 40 Landfill site, including the Sludge Management Facilities. The monitoring plan is on file dated June 27, 2008. Comments on the plan were provided by EC and INAC. I'm not sure if this was approved by the NWB and it's something we will need to look at with the amendment/renewal.

2. Under the Technical Information section it asks "Has any baseline data collection and evaluation been undertaken with respect to the physical, biological and chemical characteristics of the main water bodies in the area"?
 - a. What is meant by baseline data?

Baseline data is usually meant to be pre-disturbance data in the receiving environment so we know what conditions are before a project proceeds and we then have a "baseline" to compare for impacts. However, this is not a new project, so it's possible that changes to the receiving environment could have occurred already. In that case, data from control points/lakes from other similar areas may help. You may want to consult with EC and DFO if there is intent to design and carry out a baseline data collection program.

3. Under Technical Information section it asks "Has any baseline data collection and evaluation been undertaken with respect to the various biophysical components of the environment potentially affected by the project"?
 - a. Is this for more specific licenses such as mining?

I don't see that this would be limited to mining projects. I think it applies to any project where there is potential for impacts in the receiving environment. However, I think Type A licences are generally more likely to require baseline data than Type B licences. You may want to look back at the submissions from parties during the last renewal and see if any issues about baseline data were mentioned.

4. What is your definition of a natural watercourse?

Watercourse: Means a natural watercourse, body of water or water supply, whether usually containing water or not, and includes groundwater, springs, swamps and gulches.

Water: Means waters in any river, stream, lake or other body of inland waters on the surface or under ground in the Nunavut Settlement Area, and includes ice and all inland ground waters, but does not include water or ice in marine areas.

5. Under the Water Treatment section it asks " Are there any changes planned for the water supply system"?
- Is this just the distribution system such as utilidor piping and water booster stations or does this also include repairs to the dam?

In my view this would include the dam because it's related to water storage, which is covered in that section.

6. Under Technical Information subsection Solid Waste Disposal it asks "Please describe any diversions of watercourses".
- Would this also include natural drainage patterns that would be diverted due to a landfill berm structure?

Yes.

7. Under Inspections and Monitoring it asks "Have any spills occurred in the past five years? If yes, describe and show on a map the locations of the spills. What action has been taken to clean the affected areas?"
- Government of Nunavut provided the Department of Engineering all spill reports between 2005 and 2008. Are the descriptions on the spill reports sufficient or do they need to be summarized in a chart?

In addition to the spill reports, a summary table would be helpful and has been provided by other Licensees in the past.

- Is a map necessary to show the location of all the spills, when on the spill report it describes the location?

A map may not be necessary.

- If a spill occurred in 2005 and on the spill report it does not describe the clean up action, how do you want the City to proceed with delivering the clean up action?

If the information regarding the clean-up action is not available, parties may ask for the city to follow-up and demonstrate that the specific spill was cleaned up and no contaminants remain. This could involve sampling at the location. You may also want to check any Inspection reports from the time of the spill as it may contain relevant notes.

- d. Do you require the spill reports from 2010 to date or can they be submitted as one package for the whole year in January 2011 as "extra information" for the renewal application?

If the city is aware of any significant spills from 2010, they can be included at this time.