



November 19, 2015

Mayor Darrel Nasogaluak
Hamlet of Tuktoyaktuk
P.O. Box 120
Tuktoyaktuk, NT X0E 1C0

Dear Mayor Nasogaluak:

RE: N5L3-0714 - HAMLET OF TUKTOYAKTUK, MUNICIPAL WATER LICENCE – OPERATION AND MAINTENANCE PLANS

The Inuvialuit Water Board (IWB) acknowledges receipt of the submission of the additional information regarding the water licence Operation and Maintenance Plans. The IWB has completed a review of the revised plans. As a result of the review, additional information will be required to the management plans attached to your application. These are as follows:

1. Sewage Facility Operations Manual:
 - a. Replace title to “Sewage Disposal Facilities Operation and Maintenance Plan” and indicate date of revision;
 - b. Page 1, section 1 – replace “sewage treatment facility” with “Sewage Disposal Facilities” and within subsequent sections, subsections and text;
 - c. Page 1, section 1.1 – replace “Objective of Tuktoyaktuk’s Sewage Treatment Facility O&M Manual” with “Objective of Tuktoyaktuk’s Sewage Disposal Facilities O&M Plan” and within subsequent sections, subsections and text;
 - d. Page 2, section 1.3 – include address of “North Coast Supply Company”;
 - e. Page 7, section 2.6 – include the responsible person(s) for sampling, monitoring and reporting duties for the Surveillance Network Program and site operators training;
 - f. Page 4, section 2.1 does not include maintenance and inspection requirements for sewage trucks although they can be a source of pollution due to spills. Include a listing of general maintenance and inspection requirements for the sewage trucks; and
 - g. Page 9, section 3 – include a routine maintenance schedule and method for sludge depth measurements. The measured sludge depth is to be included within the annual report. Prior to the sludge removal, a Sludge Removal Plan shall be submitted to the Board for approval.
2. Spill Contingency Plan:
 - a. On cover page, indicate date of revision;
 - b. Page 2, section 1.4 - include the statement “the Spill Contingency Plan shall be reviewed annually”;

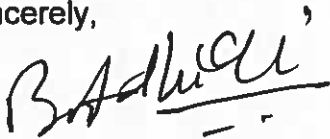
- c. Page 3, section 1.8, Table 1.3 - add mercury containing products (e.g. thermostats, fluorescent lights, switches, etc.) to the list of hazardous materials stored on-site. As a reminder, ENR can handle the final disposal of mercury containing products at no cost, other than shipping;
 - d. There are discrepancies on the capacity of the sewage trucks as reported on page 2, section 1.3 of Sewage Facility Operations Manual and on page 6, section 1.2.1, page 14, section 3.1.1 of Spill Contingency Plan. Please revise these discrepancies;
 - e. Page 9, section 1.4 – the scale, features and legend depicted are unclear. Include maps with clear and adequate scale, features and legend as mentioned on subsections 1.4.1, 1.4.2 and 1.4.3;
 - f. Page 10, section 2.1, column 1, row 3 - replace “NWT Water Board” with “Inuvialuit Water Board”;
 - g. Spill Contingency measures for the Water Supply Facilities should be included given there are chemical products and fuel stored on site and heavy equipment operating near the water supply. Include Water Supply Facilities on maps and drawings as a potential spill site on page 9, section 1.4;
 - h. Page 13 – include caption for response team organization flow chart as stated Figure 2.1 on page 11, section 2.6;
 - i. Page 14, section 3 - include the Water Supply Facilities as a potential spill source and describe the potential spill sizes from various sources identified;
 - j. Page 22, section 3.4 - replace title with “Procedures for Transferring, Storing and Managing Spill Related Hazardous Waste” and replace all references of “spill related contaminated waste” to “spill related hazardous waste”;
 - k. Page 22, section 3.4 - Procedures for Transferring, Storing and Managing Spill Related Hazardous Waste should include current temporary locations of “spill related hazardous waste” as well as final approved destinations for receipt of “spill related hazardous waste”;
 - l. Page 23, section 4.1.1 - include spill kits at the Water Supply Facilities, Hazardous Waste Temporary Storage Area, Solid Waste Disposal Facilities and Sewage Disposal Facilities and indicate accordingly on the map on page 9, section 1.4;
 - m. Page 23, section 4 - include how to obtain additional copies of the Spill Contingency Plan; and
 - n. Include Material Safety Data Sheets (MSDS) within the revised Spill Contingency Plan.
3. Municipal Solid Waste Disposal Facility Operation and Maintenance Manual for Existing Landfill Site:
- a. Replace title to “Solid Waste Disposal Facilities Operation and Maintenance Plan” and indicate date of revision;
 - b. Page 1, section 1, paragraph 1, line 1 - replace “manual” with “plan” and within subsequent sections, subsections and text;
 - c. Page 1, section 1.2 - include name and contact list of the Hamlet personnel responsible for the Solid Waste Disposal Facilities;
 - d. Page 4, section 2.2 - replace “Waste Characteristics and Quantification” with “Solid Waste Quantification and Composition”;

- e. Page 4, section 2.2 - include annual total quantity of solid waste generated. If measured data is not available, estimate volumes from truck loads as indicated on page 5, section 3;
 - f. Page 4, section 2.2 - include the composition of the solid waste generated. If measured data is not available, use the typical data for NWT as presented on page 9, subsection 2.2.3 of the "Guidelines for the Planning Design, Operations and Maintenance of Modified Solid Waste Sites in NWT - 2003";
 - g. Page 6, section 4 – include the responsible person(s) for sampling, monitoring and reporting duties for the Surveillance Network Program and site operators training;
 - h. Page 10, section 6.1 - states "Animal Carcasses" as accepted waste. This section to be further elaborated with statement "Dispose of animal carcasses in designated animal pit and cover with fill material periodically to deter any wildlife and other nuisances";
 - i. Update Appendix B, "Contact List" as per current responsibility such as Senior Administrative Officer (SAO) - Grant Scott; and
 - j. Appendix C, "Spill Contingency Policy" under "Purpose" – replace "Northwest Territories Water Board (IWB)" with "Inuvialuit Water Board (IWB).
4. Include on a map the location of Surveillance Network Program (SNP) sampling station of raw water supply (0714-1) by utilizing Google Earth latitude and longitude coordinates as the Global Positioning System (GPS) points.

Please submit three (3) hard copies accompanied by two (2) electronic copies of the revised Sewage and Solid Waste Disposal Facilities Operation and Maintenance Plans and the Spill Contingency Plan to continue processing of the application.

Should you have any questions with regard to the required revisions please contact me at 867-678-8610 or adhikarib@nwtwb.com or Mardy Semmler, Executive Director, at 867-678-8609 or semmlerm@nwtwb.com.

Sincerely,



Dr. Bijaya Adhikari
Science and Regulatory Coordinator

cc: Grant Scott, Senior Administrative Officer – Hamlet of Tuktoyaktuk
Terry Testart, Manager, Capital Planning – Hamlet of Tuktoyaktuk