

October 30, 2020

Mayor Norman Anikina
Hamlet of Sachs Harbour
P.O. Box 90
Sachs Harbour, NT X0E 0Z0

Dear Mayor Anikina:

Re: N7L3-1531 - Hamlet of Sachs Harbour, Municipal Water Licence Operation and Maintenance Plans - Additional Information Request

The Inuvialuit Water Board (IWB) acknowledges receipt on October 16, 2020 of the revised Solid Waste Disposal Facilities Operations & Maintenance Plan. Upon review, information gaps have been identified. Please provide the following information prior to Board approval:

1. Location Map of the Solid Waste Disposal Facilities. Note: the location map can be taken from Google Earth;
2. As per Page 2 of 41, Section 1.4, Table 1: update contact information for SAO and resubmit Table 1;
3. Page 9 of 41, Section 3.5 describes the signage requirement at the entrance: also provide the "Hours of Operation";
4. Page 24 of 41, Section 6.2 states: "*The objective of runoff control is to control the discharge of water from the site to the receiving environment. The water leaving the site will be comprised of melt water from the spring freshet, runoff from precipitation, and leachate from the waste mass*". This section does not describe the implementation of runoff control methods. Provide a brief description of runoff control methods from the Solid Waste Disposal Facilities to be implemented.
5. Provide the year the landfill began operation (estimate if not known);
6. Number of days per week the landfill operator is on site including hours per day;
7. Page 4 of 41, Table 2: regarding estimated waste quantity generation - Is the remaining empty space larger than the space required for the next ten (10) years? If not, what are the alternative plans for landfill space requirements?
8. Waste Composition: if site specific data for Sachs Harbour is not available, use data from Page 9, Section 2.2.3, Table 2.1 of the "Guidelines for the Planning, Design, Operations and Maintenance of Modified Solid Waste Sites in the NWT (MACA, 2003)"; and
9. A map or drawing indicating the location of all Surveillance Network Program (SNP) sampling stations, with associated Global Positioning System (GPS) locations (Note: Google Earth latitude and longitude should be utilized as the GPS points). The map can be taken from Google Earth and indicate SNP Station 1531-3.

Please note the IWB would like to remind the Hamlet of Sachs Harbour that the following additional information was requested by the Board on November 17, 2017 and due on February 16, 2018:

- 1. Municipal Water Licences Operation and Maintenance Plan - Sewage Waste Disposal Facilities:**
 - a) Location map of the Sewage Waste Disposal Facilities;
 - b) Description of Sewage Waste Disposal Facilities such as: name, length, width, depth, volume and area of lagoon, freeboard, treatment methods (e.g. aerobic, anaerobic, facultative), sewage discharge chute and any other site-specific descriptions;
 - c) A map or drawing indicating the location of all Surveillance Network Program (SNP) sampling stations, with associated Global Positioning System (GPS) locations (Note: Google Earth latitude and longitude should be utilized as the GPS points);
 - d) Indicate the frequency (e.g. never, daily, weekly, monthly, annually, other - specify) for each of the following activities at the Sewage Waste Disposal Facilities:
 - a. inspection of inlet and truck discharge structures for damage, blockage, settlement or erosion and their maintenance;
 - b. monitoring of water level to ensure the minimum freeboard for constructed berms, dykes and dams is maintained;
 - c. inspection of dams, dykes and berms for damage by animals or erosion and their maintenance;
 - d. monitoring of the colour of the liquid in the lagoon as an indication of performance;
 - e. sewage discharge measurement;
 - f. measurement of sludge levels;
 - g. removal and disposal of accumulated sludge including location;
 - h. monitoring for damage to fencing/signage and gate;
 - i. inspection, grading and reshaping of access road and truck pad;
 - j. SNP sampling and timing; and
 - k. any other activities relevant to the O&M of the Sewage Waste Disposal Facilities.

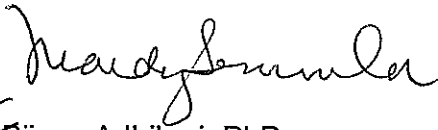
- 2. Municipal Water Licences - Spill Contingency Plan:**
 - a) Map(s) showing the following:
 - a. buildings, roads, culverts, airstrips and other infrastructure;
 - b. all surface water bodies and direction of water flow including catchment basins;
 - c. storage locations of each hazardous material;
 - d. probable spill locations and direction of flow on land and in water;
 - e. locations of all response equipment;
 - f. environmentally sensitive areas;
 - g. any approved disposal sites;
 - h. topography; and
 - i. any other important on or off-site features;
 - b) The name, job title and 24-hour telephone number(s) of staff and/or community member(s) responsible for activating the Spill Contingency Plan at each facility. This should include alternate staff, should the regular staff not be available; and
 - c) Material Safety Data Sheets (MSDS) for all chemicals, fuels and oils used in community operations.

- 3. Municipal Water Licences - Hazardous Waste Management Plan** is also required and should include all information as outlined in Part E, Item 3 of the Licence.

To date no additional information has been received. Please submit two (2) hard copies and two (2) electronic copies (USB's) of the information requested above. All submitted documents, including related IWB correspondence will be placed on the IWB Public Register.

Should you have questions or concerns, please contact me at 867-678-8610 or email adhikarib@inuvwb.ca or Mardy Semmler, Executive Director, at 867-678-8609 or semmlerm@inuvwb.ca.

Sincerely,

A handwritten signature in black ink that reads "Mardy Semmler". The signature is written in a cursive style with a large initial "M".

Sor
Bijaya Adhikari, PhD
Science and Regulatory Coordinator

cc: Betty Haogak, SAO – Hamlet of Sachs Harbour
Lloyd Gruben, ENR Water Resource Officer, Inuvik Region