

Comments - Aboriginal Affairs and Northern Development Canada

<u>TOPIC</u>	<u>COMMENT</u>	<u>RECOMMENDATION</u>	<u>CONSULTANT / COMMUNITY RESPONSE</u>
<p>Water Licence Renewal Introduction</p>	<p>In an August 29th 2012 letter addressed to the SLWB, Stantec proposed that Déline's Solid Waste Disposal Facility (SWDF) and Sewage Disposal Facility (SDF) O&M Manuals not be requested for the current facilities, as the current facilities are planned to be decommissioned next season. The SWDF O&M Plan submitted with the Déline water licence renewal was drafted for the planned new Solid Waste Disposal Facility. It was also specified that in association with the project, Stantec will develop Closure and Reclamation plans (C&R) [formerly referred to as Abandonment and Restoration (A&R) plans] for both the sewage lagoon and the solid waste disposal facilities.</p> <p>AANDC commends the Charter community of Déline for designing and constructing new waste management facilities. However, It is unclear at this point how long it will be before the new facilities are operational, and how long the existing facilities will remain in use without an approved O&M Manual. In addition, past inspections of the current facilities have identified the following non-compliance issues: non-respect of lagoon 0.5 meter freeboard (exceeded lagoon capacity requiring 2 decants per year instead of 1); lack of signage and garbage burying at SWDF resulting in unkept household waste and windblown waste problems.</p>	<p>AANDC understands that drafting of two more O&M Manuals for current SWDF and SDF would incur further cost to the community.</p> <p>However, as these plans are requested under the water licence to protect surrounding water bodies from poor waste management practices, AANDC is concerned about the continued operation of the existing facilities without adequate O&M Manuals. Therefore, AANDC suggests that by September 2013, a set of O&M Manuals for the SWDF and SDF in operation at that time should be available to the Board.</p> <p>This means that, if the new facilities will not be operational by September 2013, then the community should be requested to produce O&M Manuals for the existing facilities.</p>	<p>We understand the concerns put forth by AANDC and agree with providing O&M Manuals by end of September 2013 for the existing facilities if they are still in operation.</p>
<p>Water Licence Renewal Operation and Maintenance Plan - Checklists</p>	<p>The submitted SWDF O&M Plan is well designed to offer proper guidance to staff and community members involved with the management of solid wastes. AANDC notes that in the past the community has experienced compliance issues at the SWDF including issues with windblown debris issues and signage maintenance needs.</p> <p>AANDC suggests that additional supporting tools such as user-friendly checklists summarising key tasks to be performed at the SWDF on a daily, weekly, monthly and yearly basis for safe and appropriate management of waste at the municipal SWDF could be included with the O&M Manual. Such a tool would provide additional support to staff and would help to minimize instances of non-compliance.</p>	<p>The community should consider including user-friendly checklists summarising key tasks to be performed at the SWDF on a daily, weekly, monthly and yearly basis with the O&M Manual.</p>	<p>An updated O&M Manual will be prepared and submitted to the Board prior to the proposed solid waste facility accepting waste.</p> <p>The updated O&M Manual will include a checklist for operators.</p>

<p>Water Licence Renewal Hazardous Wastes Management</p>	<p>The most recent inspection report identified non-compliance surrounding use of the hazardous waste area for permanent storage of hydrocarbon and other miscellaneous wastes.</p> <p>A Hazardous Waste Management plan will greatly assist the Community in clarifying/determining hazardous wastes management policies and procedures at the SWDF. AANDC recommends that a Hazardous Waste Management Plan be developed and implemented either as part the SWDF Operation and Maintenance (O&M) Plan, or as a stand alone document. Once completed, this plan will help both the SWDF staff and Déline's population to recognize which of the following materials will, or will not, be accepted at the SWDF: Asbestos; Batteries (Lead Acid); Glycols (Antifreeze, Heating Fluid); Heating Oil Tanks; Household Hazardous Waste; Hydrocarbon Contaminated Soil / Snow / Water; Mercury Containing Materials; Oil debris; Old Fuel; Ozone Depleting Substances; Paint; Propane Tanks; Residue Fuel Tanks/Drums; Used Oil; Vehicles Containing Batteries, Fluids, Mercury Switches, etc.</p> <p>The GNWT guideline document "Developping a Community Based Hazardous Waste Management Plan", provides more detailed guidance for developing a community-based Hazardous Waste Management Plan. GNWT - Department of Environment and Natural Resources (ENR) can provide further clarifications and assistance with these matters. For further information, please contact Gerald Enns at 867-920-8044.</p>	<p>AANDC recommends that Déline's water licence contain a condition for the establishment of a Hazardous Waste Management Plan, either as a section of the SWDF O&M Plan (Part I), or as separate condition of Part D - Conditions Applying to Waste Disposal.</p>	<p>We are aware of the issues in accepting hazardous wastes and as such agree that clearly written information as to what materials are to be accepted at the solid waste facility is needed.</p> <p>An updated O&M Manual will be prepared and submitted to the Board prior to the proposed solid waste facility accepting waste.</p> <p>The updated O&M Manual will include a section on accepted / not accepted hazardous wastes.</p>
<p>Spill Contingency Plan Contact Information</p>	<p>Table 5.3: Community & Other Resources found on page 5.13 of the Spill Contingency Plan has the wrong name and number for the Indian and Northern Affairs Canada Inspector. This information should be updated to be Aboriginal Affairs and Northern Development Canada Inspector at (867) 777-8900.</p>	<p>AANDC recommends that the Spill Contingency Plan should be updated to include this information so the correct Inspector can be contacted when a spill or other emergency occurs. The accuracy of the other contact numbers should be confirmed to ensure the right people can be contacted when necessary.</p>	<p>An updated Spill Contingency Plan will be prepared and submitted to the Board prior to the proposed solid waste facility or sewage disposal facility accepting waste; the Plan will be submitted no later then end of September 2013.</p> <p>Contact numbers will be updated.</p>
<p>Spill Contingency Plan Scenarios</p>	<p>The Spill Contingency Plan provides guidance for responding to spills occurring in/on water, land, snow and ice.</p> <p>Sections 4.1 to 4.3 identify potential sources of spill contamination (e.g. fuel storage area) found within Deline community limits as well as sensitive areas that should be protected. However, the Spill Contingency Plan should also describe probable scenarios and responses specific to Déline including identified sources of contamination, storage locations, and identified sensitives areas along with appropriate responses that staff/individuals should follow to best address each of these potential spill emergencies.</p>	<p>AANDC recommends that most probable response scenarios, specific to Déline and including worst case scenarios, be included in the community's Spill Contingency Plan.</p>	<p>An updated Spill Contingency Plan will be prepared and submitted to the Board prior to the proposed solid waste facility or sewage disposal facility accepting waste; the Plan will be submitted no later then end of September 2013.</p> <p>Probable response scenarios will be included.</p>

<p>Spill Contingency Plan Training</p>	<p>Section 6 of the Spill Contingency Plan identifies that training is important, but does not provide specific guidance on what training or exercises would be appropriate.</p> <p>Training programs are designed to best prepare the staff/response team and promote a good understanding of their action plan procedures, hazardous material and response equipment storage locations, as well as off-site resources. The community of Déline would benefit from having additional training details provided within the Spill Contingency Plan. The training/exercises should be specific to the most probable scenarios described elsewhere within their Spill Contingency Plan. Training details can always be modified and changed in the future to reflect reality and training needs and changes should be indicated as updates to the SCP.</p>	<p>AANDC recommends that the Spill Contingency Plan should include a component on training and spill response exercises.</p>	<p>We understand the importance of spill response training, however it is not possible to list the exercises that will take place.</p> <p>We will work with ENR and other available resources to train our members appropriately.</p>
<p>Water licence Part A Definitions</p>	<p>A definition for the following terms should be added to the water licence:</p> <p>* "Waters" means any Waters as defined by section 2 of the <i>Northwest Territories Act</i></p> <p>* "Water use" means the use of Water as defined by section 2 of the Northwest Territories Act and shall include freshwater from all sources.</p> <p>The more commonly used term of "Closure and Reclamation" should replace the outdated term "Abandonment and Restoration" all through out the licence.</p>	<p>AANDC recommends the new licence include these definitions/adjustments.</p>	<p>Noted</p>
<p>Water licence Part B, Item 1 Annual Reporting</p>	<p>Water licence conditions and wording should be updated for clarity:</p>	<p>AANDC recommends the described additions be included in water licence condition relating to Annual Reporting:</p> <p>Part B, item 1 e) should read "a list of spills and unauthorized discharges;</p> <p>Part B, item 1 h) should read "any revisions to the the approved Spill Contingency Plan;"</p> <p>Should be added in Part B, "a summary of the monthly and annual quantities of hazardous Waste stored on site and transported off site;"</p> <p>Should be added in Part B, "an outline of any spill training and communications exercises carried out;"</p> <p>While the licence requires a tabular summaries of lab data, a copy of originals lab results should also be provided, as an appendix with the Annual Report. The following should therefore be added to Part B, Item 1 f): "tabular summaries of all data generated under the "Surveillance Network Program" and a copy of original lab results in an appendix".</p>	<p>Noted</p>

<p>Water licence Part B, Item 4 SNP map</p>	<p>The NWT Water Board currently requests that a SNP map to be produced by the community to show the locations where sampling is to occur as part the of the SWDF and SDF Surveillance Network Program.</p> <p>AANDC supports this initiative and recommends that a SNP map be provided by the community. Furthermore, GPS coordinates should also be added to the SNP map in order to facilitate the use of consistent sampling locations.</p>	<p>AANDC recommends that a condition relating to SNP map be added to Part B of the water licence which could read as followed: <i>"The Licensee shall submit to the Board for approval a map or drawing indicating the location of all Surveillance Network Program sampling stations, with associated GPS coordinates."</i></p>	<p>Noted</p>
<p>Water licence Part D, Item 2 Compliance limits</p>	<p>Effluent Quality Criteria with associated maximum average concentration limits are typically found in Item 2, Part D of NWT water licences.</p> <p>Déline water licence presents compliance limit numbers for Fecal Coliforms, BOD₅ (Biological Oxygen Demand) and Suspended solids (SS) [to be replaced by TSS - Total Suspended Solids] in Part B of the Surveillance Network Program section, at the end of the water licence.</p>	<p>For consistency with other licences, AANDC recommends compliance limits to be moved to Part D - conditions applying to waste disposal, Item 2 of the water licence.</p>	<p>Noted</p>
<p>Water licence Part D, Item 5 Protective freeboard distance</p>	<p>The current water licence allows for a 0.5 metre freeboard. In order to be consistent with other NWT water licences, Part D, Item 5 refers to should be adjusted to read as followed: A minimum of 1.0 metre freeboard shall be maintained at all cells of the sewage lagoons.</p>	<p>AANDC recommends the licence to be updated to include this information.</p>	<p>The proposed sewage lagoon will incorporate a 1.0 metre freeboard.</p>
<p>Water licence Part D Conditions applying to Waste Disposal</p>	<p>Contaminated snow and soils can be encountered in communities and are often disposed at the local landfill. The current licence does not account for this type of waste management at the Déline SWDF.</p>	<p>Consideration for this type of waste should be included in the new licence.</p>	<p>Noted</p>
<p>Water licence Part F Conditions applying to Contingency Planning</p>	<p>A Spill Contingency Plan was submitted by the Community of Déline with this application. Upon the Board's plan approval, Part F, Item 1, should be updated to reflect a need for regular review of the community's Spill Contingency Plan.</p>	<p>AANDC recommends that a section relating to Conditions Applying to Spill Contingency Planning be added to the water licence, and include the following:</p> <p>* The Licensee shall review the Contingency Plan annually and modify the plan as necessary to reflect changes in operation and technology. Any proposed modifications shall be submitted to the Board for approval.</p> <p>* If, during the period of this Licence, an unauthorized discharge of Waste occurs, or if such a discharge if foreseeable, the Licensee shall:</p> <p>a) Employ the appropriate Contingency Plan;</p> <p>b) Report the incident immediately via the 24-hour NWT Spill Report Line. Currently the number is (867) 920-8130; and</p> <p>c) Submit to an Inspector a detailed report on each occurrence not later than 30 days after initially reporting the event.</p>	<p>Noted</p>

<p>Water licence Part H Conditions applying to construction</p>	<p>The following conditions should be added to the water licence Part H - Conditions applying to construction for further clarification:</p> <p><i>Prior to any new construction related to the Water Supply Facilities or Waste Disposal Facilities, other than as contemplated in an approved Spill Contingency Plan , the Licensee shall submit to the Board a rationale and design drawings.</i></p> <p><i>Prior to construction of any dams, dykes or structures intended to contain, withhold, divert or retain water or wastes other than as contemplated in the Spill Contingency Plan , the Licensee shall submit to the Board a rationale and design drawings.</i></p> <p><i>As-built drawings of the dams, dykes or structures shall be stamped by a qualified engineer registered in the Northwest Territories and submitted to the Board within ninety (90) days of completion of construction.</i></p> <p><i>Any fill material used in the construction of any structures as described above must be clean and free of contaminants.</i></p>	<p>AANDC recommends that the water licence be updated to contain these conditions.</p>	<p>Noted; record drawings will be submitted to the Board within 90 days of completion of construction for the new solid waste facility and sewage disposal facility.</p>
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