



**Mackenzie Valley Land and Water Board**  
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**Staff Report**

<b>Company:</b> Town of Hay River	
<b>Location:</b> Hay River, NT	<b>Application:</b> MV2009L3-0005
<b>Date Prepared:</b> January 28, 2010	<b>Meeting Date:</b> February 18, 2010
<b>Subject:</b> Board Briefing Note: Hay River Water Licence List of Submissions	

**1. Purpose/Report Summary**

The purpose of this briefing note is to highlight the existing plans and submissions required under the Town of Hay River's current Water Licence (WL) and which plans and submissions are expected in the WL renewal. The status of these plans and submissions, regarding whether or not they require Board approval, has also been identified.

**2. Background**

- January 27, 2010 – the Board requested a list of existing plans and their requirements for approval in the current WL as well as a list of expected plans for the upcoming WL renewal.

**3. Discussion**

Staff reviewed the current WL in order to identify existing plans and submissions requiring Board approval.

Notes from the Town of Hay River WL renewal public hearing were used to compile a list of plans and submissions expected as conditions of the water licence renewal.

**4. Comments**

There are three plans for Board approval in the current WL:

- An abandonment and restoration plan, six months prior to closure;
- An operations and maintenance plan, annually; and
- A spill contingency plan, one submission.

Two plans not requiring Board approval:

- An annual report; and
- A snow disposal plan, one submission.

Additionally, there are three other items for submission which require Board decision under the current WL:

- A description of any new industrial or agricultural waste accepted at the facilities during the term of the Licence;
- New construction design drawings planned for the term of the Licence; and
- As-constructed plans and drawings of any modifications or new construction during the term of the Licence.

The upcoming WL is expected to include:

- An annual report;
- A snow disposal plan, annually;
- An abandonment and restoration plan; interim plan by December 2010 and final plan six months prior to closure;
- An operations and maintenance plan including spill contingency and hazardous waste management plans, annually;
- A sludge management plan, one submission with annual updates in the Operations and Maintenance Plan;
- A QA/QC plan for SNP sampling practices and procedures, one submission; and
- A drainage/flow analysis study for determining the optimal location for surface and groundwater SNP locations around the landfill.

The above-mentioned submissions would also likely still apply to the new WL.

A condition to provide the Board with engineer-stamped, as-built drawings and surveys of the current sewage and solid waste facilities will likely also be included in the terms of the new WL. A decision to include a report on the three-year trend analysis of CBOD and BOD has yet to be made.

At this time, the Board may want to consider which plans and submissions the Town of Hay River will have to submit for Board approval in the WL renewal.

## **5. Review Comments**

Environment and Natural Resources (ENR) recommends that a site-specific hazardous waste management plan be submitted to the MVLWB by March 31, 2010, using the ENR document "Developing a Community Hazardous Waste Management Plan" in its development.

ENR recommends that the Town prepare and submit a preliminary closure and reclamation plan for the Solid Waste Disposal Facility and submit it to the MVLWB for review and approval by December 2010.

ENR recommends the Town develop and submit a plan to the MVLWB that proposes the timely installation of a fence that will prevent carnivores from having access to the Solid Waste Facility.

Indian and Northern Affairs Canada (INAC) recommend a three-year trend analysis of CBOD and BOD to be submitted to the Board for review and approval.

INAC recommends that the Town submit a closure and reclamation plan for review and approval by the Board.

Environment Canada (EC) recommends that the Town provide clear drawings and maps for the plans and monitoring sites.

EC recommends that a revised operation and maintenance plan be submitted to the Board for approval.

EC recommends that a sludge management plan be submitted to the Board for approval.

EC recommends the Town submit a revised QA/QC plan for approval by the Board.

EC recommends that the Annual Report be submitted for approval by the Board, with provision for re-submission if it is deemed to be unsatisfactory.

**6. Security**

n/a

**7. Conclusion**

n/a

**8. Recommendation**

Staff recommends that the Board require the Abandonment and Restoration Plan, the Operations and Maintenance Plan, and the Sludge Management Plan be subject to Board approval.

**9. Attachments**

- List of plans and submissions

Respectfully submitted,



Shannon Hayden  
Regulatory Officer

Plans in Current Licence	Currently for Approval
Annual Report	No
Snow Disposal (one submission within 90 days of issuance)	No
Abandonment and Restoration (one submission six months prior to closure)	Yes
Operations and Maintenance (annually)	Yes
Spill Contingency (one submission)	Yes
Other Items for Submission	
Description of New Industrial or Agricultural Waste	Yes
As-constructed Plans and Drawings of any modifications or New Construction	Yes
New construction Design Drawings	Yes
Current As-built Plans	No?
Survey of the Wetlands	No?
2010 Desk-top (Lifespan) Study	No?
BOD and CBOD Trend Analysis	No?
Plans for New Licence	
Annual Report	No?
Snow Disposal (annually)	No?
Abandonment and Restoration (interim Dec 2010 and final six months prior to closure)	Yes?
Operations and Maintenance (annually) including QA/QC for SNP and Hazardous	
Waste Management Plans	Yes?
Sludge Management	Yes?
Spill Contingency Plan	Yes?
Drainage Study/Flow Analysis for Surface and Groundwater SNP Locations around the SWF	No?