

Staff Report

Applicant: Hamlet of Fort Liard	
Location: Fort Liard, NT	Application: MV2009L3-0025
Date Prepared: January 30, 2017	Meeting Date: February 9, 2017
Subject: 2015 Annual Water Licence Report	

1. Purpose/Report Summary

The purpose of this Report is to present to the Mackenzie Valley Land and Water Board (MVLWB/the Board) the 2015 Annual Water Licence Report (Annual Report) submitted by the Hamlet of Fort Liard (Hamlet), as required by their municipal Water Licence (Licence) MV2009L3-0025.

2. Background

- March 1, 2010 – Licence MV2009L3-0025 issued for a period of 10 years;
- March 4, 2016 – Annual Report submitted;
- May 5, 2016 – Annual Report distributed for review;
- June 9, 2016 – Reviewer comments due and received;
- July 5, 2016 – Hamlet’s responses received;
- **February 9, 2017 – Annual Report presented to the Board;** and
- February 29, 2020 – Licence MV2009L3-0025 expires.

3. Discussion

The Annual Water Licence Report for 2015 (Annual Report) was filed on March 4, 2016 in accordance with Part B, item 1 and Schedule 1, item 1 of Licence MV2009L3-0025 (attached). Although formal approval of these Annual Reports is not required under the Licence, the Board must be satisfied that the Hamlet is operating and has reported in accordance with the requirements of their Licence.

Type B Licence MV2009L3-0025 was issued to the Hamlet of Fort Liard for the use of water and disposal of waste for municipal purposes. Water is drawn from two groundwater wells adjacent to the Liard River for drinking water; sewage is deposited into lagoons located 15km from the Hamlet on the north side of the Liard Highway; and solid waste is deposited at the community waste disposal site, which is located adjacent to the sewage lagoons.

4. Comments

The Hamlet submitted the 2015 Annual Report on March 4, 2016, which was distributed for review on May 5, 2016.

5. Reviewer Comments

Reviewer comments were received by Board staff by the June 9, 2016 due date (attached).

Part G, item 1 of Licence MV2009L3-0025 states: "The Licensee shall submit to the Board for approval a closure and reclamation plan at least six months prior to abandoning any Waste Disposal Facilities". Board staff noted that the Annual Report indicated that Cell #1 of the Solid Waste Disposal Facility was, "Closed, compacted and covered at the end of October 2015. Material removed during excavation of the new second waste cell was utilized for cover material of the first cell."

On July 4, 2016, in response to a comment of Board staff (MVLWB1), the Hamlet clarified that:

No Closure Plan has been submitted for Cell #1 due to this Cell area not being closed or abandoned at this time. This Cell has been capped with cover material and will be prepared to receive another layer of domestic waste in future years. Adequate space is available in the immediate location of Cell #1 to construct a further raised surrounding berm to allow for the placement of future municipal waste with-in the Solid Waste Disposal Facilities.

6. Security

Not applicable.

7. Conclusion

The reporting requirements as laid out in Part B, item 1 and Schedule 1, item 1 of the Licence MV2009L3-0025 have been sufficiently met. Board staff also note that further information was provided by the Hamlet in their responses to reviewer comments.

8. Recommendation

Board staff recommend the Board accept the 2015 Annual Report, and have prepared a draft response letter (attached).

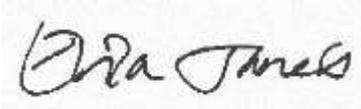
Board staff recommend including the following additional text in the response letter:

- The Board commends the Hamlet for their significant progress in submitting outstanding plans and reports required by their Licence; and
- The Board reminds the Hamlet to review and revise, if necessary, Plans required by the Licence, and to include a description of updates or revisions to these Plans in their forthcoming 2016 Annual Report, which is due March 31, 2017.

9. Attachments

- [2015 Annual Water Licence Report](#);
- Reviewer Comment Summary Table; and
- Draft Acceptance Letter from the Board.

Respectfully submitted,



Erica Janes
Regulatory Officer



Heather Scott
Technical Advisor

Review Comment Table

Board:	MVLWB
Review Item:	Hamlet of Fort Liard - Proposed change to SNP, 2015 Annual Report, and Sewage Lagoon Capacity Study (MV2009L3-0025)
File(s):	MV2009L3-0025
Proponent:	Hamlet of Fort Liard
Document(s):	MV2009L3-0025 - Hamlet of Fort Liard - Inspector request to reactivate SNP station (211 KB) MV2009L3-0025 - Hamlet of Fort Liard - 2015 Annual Water Licence Report (13 MB) MV2009L3-0025 - Hamlet of Fort Liard - Sewage Lagoon Capacity Study (9 MB)
Item For Review Distributed On:	May 5 at 14:37 Distribution List
Reviewer Comments Due By:	June 9, 2016
Proponent Responses Due By:	July 5, 2016
Item Description:	<p>There are three submissions for review relating to Fort Liard's municipal Water Licence MV2009L3-0025.</p> <p>1. Proposed change to the Surveillance Network Program (SNP): To support better monitoring of effluent discharged to the receiving environment, the Inspector has recommended that the Hamlet begin sampling at the inactive Surveillance Network Program (SNP) Station 1478-6 on a regular basis. The location of station 1478-6 is described in the SNP as Water from stream flowing to Petitot River upstream of culvert at Hwy #7. The Board seeks input from reviewers this recommendation as well as appropriate testing parameters and sampling frequency. A change to the SNP requires Board approval.</p> <p>2. 2015 Annual Water Licence Report: The Hamlet of Fort Liard has submitted an Annual Water Licence Report for 2015 as per Item B.1 of their Licence. Although formal approval of Annual Reports is not required under the Licence, the Board must be satisfied that the Licensee has reported and performed sampling and analyses in accordance with the requirements of their Licence. Therefore, reviewers are invited to submit comments on the Annual Report. Recommendations on the results reported as well as recommendations that may assist the Hamlet in the development and completion of future Annual Reports are welcome.</p> <p>3. Sewage Lagoon Capacity Study: The Hamlet of Fort Liard has submitted a Sewage Lagoon Capacity Study. This study is not a requirement of the Water Licence, but was undertaken by the Hamlet to provide an assessment of the state of current sewage facilities and determine whether an expansion to the facilities is needed. The Board welcomes comments from reviewers on this Study.</p>

	<p>June 28, 2018 update: An extension to the deadline for the Hamlet to respond to reviewer comments has been granted. The new deadline for responses to reviewer comments is Tuesday, July 5, 2016.</p> <p>Please note which submission your comments pertain to when providing comments and recommendations. If you have questions or comments regarding this review or the Online Review System please contact Miki Ehrlich at (867)766-7469 or mehrlich@mvlwb.com .</p>
General Reviewer Information:	<p>In addition to the email distribution list, the following organizations received review materials by fax:</p> <ul style="list-style-type: none"> • Fort Liard Metis Local #67 - Ernie McLeod, President - (867)770-4573 • Fort Simpson Métis Local #52 - Marie Lafferty, President - (867)695-2040 • Hay River Metis Council - Karen Lafferty, President - (867)874-4472 • Liard First Nation - Daniel Morris, Chief - (867)536-7910 • Northwest Territory Métis Nation - Garry Bailey c/o Tim Heron, NWTMN IMA Coordinator - (867)872-3586
Contact Information:	<p>Heather Scott 867-766-7463 Jen Potten 867-766-7468 Miki Ehrlich 867-766-7469</p>

Comment Summary

MVLWB: Heather Scott				
ID	Topic	Reviewer Comment/Recommendation	Proponent Response	Board Staff Analysis
1	Annual Report - Abandonment and Restoration	<p>Comment The Annual Report indicates that "The first solid waste cell put into operation in October 2011 has now been filled with domestic waste. This cell was closed, compacted and covered at the end of October 2015. Material removed during excavation of the new second waste cell was utilized for cover material of the first cell. The second waste cell was put into active use In November of the reporting year." As per MV2009L3-0025, Part G, item 1, "The Licensee shall submit to the Board for approval a closure and reclamation plan at least six months prior to abandoning any Waste Disposal Facilities."</p>	<p>July 4: No Closure Plan has been submitted for Cell #1 due to this Cell area not being closed or abandoned at this time. This Cell has been capped with cover material and will be prepared to receive another layer of domestic waste in future years. Adequate space is available in the immediate location of Cell #1 to construct a further raised surrounding berm to allow for the placement of future municipal waste with-in the Solid Waste Disposal Facilities.</p>	Noted.

		<p>Recommendation Recommend that the licensee submit a Closure Plan for cell 1 as per Part G, item 1 of MV2009L3-0025, as closure work as already commenced at the Solid Waste Disposal Facilities, as per the 2015 Annual Report.</p>		
2	Annual Report - Construction Activities	<p>Comment Part H of MV2009L3-0025 states that: "1. 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 Contingency Plan, the Licensee shall submit to the Board for approval a design report stamped by a qualified Engineer. 2. Construction of designed structures shall be carried out as approved by the Board. 3. The Licensee shall provide to the Board as-built plans and drawings of the constructed facilities referred to in Part H, item 1 within 90 days of completion of the facilities, and stamped and signed by an Engineer." Recommendation Recommend that the licensee submit drawings of the new solid waste cells, as per Part H of MV2009L3-0025.</p>	<p>July 4: The original Solid Waste Disposal Facility plans submitted to the MVLWB for approval before construction in 2010/2011 included the information for this on-going Facility operation.</p>	Noted.