

September 23, 2016

File: MV2011L3-0001

Mr. Keith Morrison
Town of Fort Smith
P.O. Box 147
FORT SMITH NT X0E 0P0

Email: kmorrison@fortsmith.ca

Dear Mr. Morrison:

**Solid Waste Disposal Facilities Interim Closure and Reclamation Plan
Version 1.0
Town of Fort Smith – Municipal Water Licence**

The Mackenzie Valley Land and Water Board (the Board) met on September 21, 2016 and reviewed the Town of Fort Smith's (Town) Solid Waste Disposal Facilities Interim Closure and Reclamation Plan (ICRP) required by Water Licence MV2011L3-0001 (Licence).

The Board hereby approves the Solid Waste Disposal Facilities Interim Closure and Reclamation Plan (ICRP) Version 1.0 as submitted.

The Board is encouraged by numerous recent Licence submissions made by the Town, and notes that the Town is proactively planning for future and ongoing use of the Solid Waste Disposal Facilities. The Board encourages the Town to adhere to submission deadlines under the Licence moving forward.

The Town shall adhere to the commitments made in their responses to reviewer comments dated July 27, 2016. The Board anticipates future iterations of closure and reclamation plans will include additional design details, as well as consideration of progressive closure of portions of the Solid Waste Disposal Facilities and possible future use (or repurposing) of closed portions, as applicable.

The Board looks forward to the Town's submission of a Landfill Operations and Maintenance Plan by the end of September 2016, which is anticipated to describe hazardous waste management on site.

If you have any questions or concerns, please contact Erica Janes at (867) 766-7466 or email ejanes@mvlwb.com.

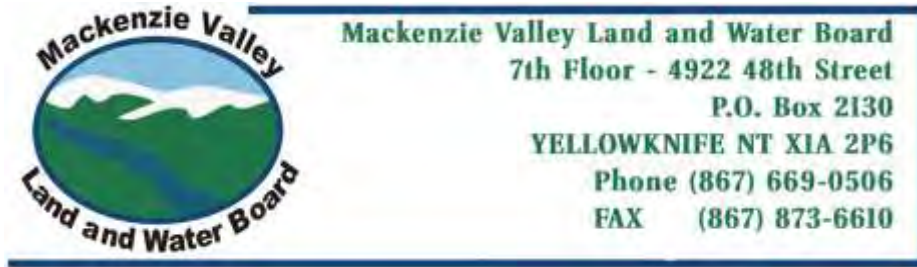
Yours sincerely,

A handwritten signature in black ink, appearing to read "F. M. Adlem". The signature is fluid and cursive, with a long horizontal stroke at the end.

Floyd Adlem
MVLWB A/Chair

Copied to: Distribution list

Attached: Reasons for Decision



Reasons for Decision

Issued pursuant to section 72.25 of the *Mackenzie Valley Resource Management Act* and section 54 of the *Waters Act*

Water Licence Application	
Preliminary Screener	MVLWB
Reference/File Number	MV2011L3-0001
Proponent	Town of Fort Smith
Submission/Project	Solid Waste Disposal Facilities Interim Closure and Reclamation Plan Version 1.0

Decision from Mackenzie Valley Land and Water Board Meeting of

September 23, 2016

Discussion

Submission

The Town of Fort Smith (Town) submitted the Version 1.0 of the Solid Waste Disposal Facilities Interim Closure and Reclamation Plan (ICRP) on April 22, 2016. Part G, item 1 of Water Licence MV2013L3-0001 (Licence) requires the ICRP be submitted to the Board, for approval, by June 30, 2013. The Town’s Licence is one of two recently-issued municipal licenses that requires submission of an ICRP¹.

Background

On April 22, 2016, the Town submitted a Landfill Master Plan (LMP) to the Board, which described the Town’s overall plan for, “...orderly development, maximizing both existing development areas and proposed expansion areas for the Town municipal landfill” (Section 1). Section 5 of the Landfill Master Plan covers closure and post-closure activities, and states that it satisfies the requirements for an ICRP as required by the Licence. Board staff have accepted the Landfill Master Plan as the Town’s ICRP submission.

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¹ The only other municipal Water Licence that currently requires an ICRP is the Village of Fort Simpson MV2015L3-0001.

The intent of the ICRP is to ensure that proper planning is in place to facilitate final closure of the entire facility, and to identify uncertainties surrounding certain closure options that guide corresponding areas for reclamation research during operations prior to closure. As closure and reclamation activities may be implemented in stages (i.e. progressive reclamation), the ICRP is a working document and should be updated as additional information is acquired and closure proceeds. More detail should be provided for facility components where closure is imminent or closure plans exist. For those components where no detailed closure plans are available, conceptual and higher-level information is appropriate.

ICRPs are to be stand-alone documents that capture all necessary information regarding closure. Relevant information from other reports should be included in the ICRP and then reference can be made to the original document. In many cases the information from other reports should be summarized, or synthesized further in order to apply directly to the ICRP. In order to formulate closure plans, current operations and monitoring regimes must be known. However, various submissions required under the Licence have not been submitted by the Town in time for thorough consideration in the ICRP.

Public Review

By June 23, 2016, reviewer comments on the ICRP were received from Environment and Climate Change Canada, GNWT-ENR, and Board staff. The Town responded to comments on July 29, 2016, which included some additional information.

Submission Completeness

Table 1 below lists the components of the ICRP required in the Licence and details on the adequacy of the Town's submission.

Table 1: Plan Completeness

	Components of the ICRP as required in Schedule 3, Item 1 of Licence MV2011L3-0001	Analysis of the adequacy of the ICRP in addressing each component
a)	Maps delineating all disturbed areas, borrow material locations and site facilities	Adequate (Section 4.6.2)
b)	A staging plan for closure of the Solid Waste Disposal Facility (SWDF) or portions of the SWDF	Adequate (Section 4.5)
c)	A plan to manage surface water infiltration or moisture additions according to the design intent of the SWDF cells or areas during and after closure	Adequate (Section 4.8)

d)	A proposed design for the final SWDF cover system and the identification of source materials for the cover	Adequate (Section 5.1)
e)	General information of the final elevation and slopes	Adequate (Figures 2-5)
f)	A re-vegetation plan of completed areas of the SWDF	Adequate. In response to Board staff recommendation, proponent will either add a statement regarding revegetation best practices, or include in detailed designs.
g)	A description of the potential end-use of the SWDF after final closure	Adequate. An updated ICRP should include consideration of progressive closure of portions of the SWDF and possible future use (or repurposing) of closed portions, if applicable.

Decision

After reviewing the submissions of the Applicant, the written comments received by the Board and the Staff Report prepared for the Board, the Board, having due regard to the facts and circumstances, the merits of the submissions made to it, and to the purpose, scope, and intent of the MVRMA and Regulations and *Waters Act* made thereunder, has determined that the Solid Waste Disposal Facilities Interim Closure and Reclamation Plan satisfies Part G, item 1 of Water Licence MV2011L3-0001.

The Board is encouraged by numerous recent Licence submissions made by the Town, and notes that the Town is proactively planning for future and ongoing use of the Landfill. The Board encourages the Town to adhere to submission deadlines under the Licence moving forward.

The Town shall adhere to the commitments made in their responses to reviewer comments dated July 27, 2016. The Board anticipates future iterations of the closure and reclamation plan will include additional design details, as well as consideration of progressive closure of portions of the Solids Waste Disposal Facilities and possible future use (or repurposing) of closed portions, as applicable.

SIGNATURE

Mackenzie Valley Land and Water Board



September 23, 2016

Floyd Adlem, A/Chair

Date

Amanda Gauthier

From: Amanda Gauthier
Sent: Tuesday, September 27, 2016 12:02 PM
To: 'kmorrison@fortsmith.ca'
Cc: Erica Janes; 'admin_dkfn@northwestel.net'; 'Alexis_Campbell@gov.nt.ca'; 'apower@ykdene.com'; 'barryt@arcticsafaris.ca'; 'boydw@bathurstinlet.com'; 'Brandon_Bradbury@gov.nt.ca'; 'Carolc.lands@gmail.com'; 'Catherine_BraunRodriguez@gov.nt.ca'; 'CAU-UCA@aandc.gc.ca'; 'Ceo.srfn@northwestel.net'; 'Charlene_Coe@gov.nt.ca'; 'chief.lkdfn@gmail.com'; 'chief.srfn@northwestel.net'; 'chief@slfn196.com'; 'christian.bertelsen@cannor.gc.ca'; 'clint_ambrose@gov.nt.ca'; 'Colin_merz@gov.nt.ca'; 'craigecologynorth@gmail.com'; 'dave.white@aurorageosciences.com'; 'david.alexander@cannor.gc.ca'; 'doug_carr@gov.nt.ca'; 'ec.ea.nwt.ec@canada.ca'; 'esangris@ykdene.com'; 'exec@slema.ca'; 'fieldworker.frmc53@northwestel.net'; 'fisheriesprotection@dfo-mpo.gc.ca'; 'fortsmithmetis council@northwestel.net'; 'frmc@northwestel.net'; 'Gary.Woo@neb-one.gc.ca'; 'Glen_Mackay@gov.nt.ca'; 'gnwt_ea@gov.nt.ca'; 'Heather_Beck@gov.nt.ca'; 'Hilary_machtans@golder.com'; 'hrmc@northwestel.net'; 'ima_dkfn@northwestel.net'; 'Iqbal_Arshad@gov.nt.ca'; 'Jayda_Robillard@gov.nt.ca'; 'jblack@ykdene.com'; 'Jeremy_Roberts@gov.nt.ca'; 'jhood@fortsmith.ca'; 'joe_heron@gov.nt.ca'; 'johnny_lennie@gov.nt.ca'; 'Jon_Posynick@gov.nt.ca'; 'Jen Potten'; 'land@wpfn.ca'; 'lands@denenation.com'; 'lands@slfn196.com'; 'landsnresources@katlodeeche.com'; 'laurie_mcgregor@gov.nt.ca'; 'Lindsay_Armer@gov.nt.ca'; 'lkdfnlands@gmail.com'; 'Matthew.Spence@cannor.gc.ca'; 'mauge@yellowknife.ca'; 'Mike_Vassal@gov.nt.ca'; 'monica_wendt@gov.nt.ca'; 'Nathen_Richea@gov.nt.ca'; 'Norman_McCowan@gov.nt.ca'; 'NTCard@aandc.gc.ca'; 'Olivia_Lee@gov.nt.ca'; 'pat_knutson@gov.nt.ca'; 'patrick_clancy@gov.nt.ca'; 'Paul_Green@gov.nt.ca'; 'Pauline_DeJong@gov.nt.ca'; 'Permits'; 'preliminaryscreening@reviewboard.ca'; 'president.nwtmn@northwestel.net'; 'rcc.nwtmn@northwestel.net'; 'Rebecca.Leighfield@aandc.gc.ca'; 'rhonda_batchelor@gov.nt.ca'; 'rmakohoniuk@yellowknife.ca'; 'Robert_Jenkins@gov.nt.ca'; 'Russell_Teed@gov.nt.ca'; 'Sam.Kennedy@aandc.gc.ca'; 'sao@hayriver.com'; 'Scott_Stewart@gov.nt.ca'; 'screeningofficer@eastarm.com'; 'shin.shiga@nsma.net'; 'Steven_Shen@gov.nt.ca'; 'stu_niven@gov.nt.ca'; 'Susan.Abernethy@wscc.nt.ca'; 'Tasha_Hall@golder.com'; 'tim.morton@aandc.gc.ca'; 'tyanna_steinwand@gov.nt.ca'; 'Veronique.DAmours-Gauthier@dfo-mpo.gc.ca'; 'walexander@yellowknife.ca'; 'Wendy_Bidwell@gov.nt.ca'; 'ww.symbion@shawbiz.ca'; 'zabeynevitt@tlicho.com'; 'Diep_Duong@gov.nt.ca'; 'Jean_Soucy@gov.nt.ca'; 'Bill_Pain@gov.nt.ca'; Heather Scott

Subject: MV2011L3-0001 - Town of Fort Smith - Approval - Interim Closure and Reclamation Plan
Attachments: MV2011L3-0001 - Town of Fort Smith - Approval - Interim Closure and Reclamation Plan .pdf

Good day,

Please see the attached document. If you have any questions, please contact Erica Janes at (867) 766-7466 or email ejane@mvlwb.com.

Regards,

Amanda Gauthier

Executive Coordinator

Mackenzie Valley Land and Water Board

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