



Mackenzie Valley Land and Water Board  
7th Floor - 4910 50th Avenue  
P.O. Box 2130  
YELLOWKNIFE NT X1A 2P6  
Phone (867) 669-0506  
FAX (867) 873-6610

FILE NUMBER: MV2009L3-0007

Date: February 13, 2014

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From: Elaine for Miki Ehrlich, Regulatory Officer

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Request for review and comments on Modification request submitted by the City of Yellowknife

- Enclosures
- As requested
- For your information
- For your comment
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## MVLWB Permits

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**From:** Miki Ehrlich <mehrllich@mvlwb.com>  
**Sent:** Thursday, February 13, 2014 11:41 AM  
**To:** admin\_dkfn@northwestel.net; ann.ronald@pc.gc.ca; AnneMarie.Guedon@aandc-aadnc.gc.ca; Carolc.lands@gmail.com; CAU-UCA@aandc.gc.ca; Charlene.Coe@aandc-aadnc.gc.ca; chief.lkdfn@gmail.com; chief.srfn@northwestel.net; chief@slfn196.com; Clint.Ambrose@aandc-aadnc.gc.ca; consultationsupportunit@aandc.gc.ca; czoechoocolate@denenation.com; david.alexander@cannor.gc.ca; doug\_carr@gov.nt.ca; dsteele@hayriver.com; duane\_fleming@gov.nt.ca; EC.EA.NWT@ec.gc.ca; Emerald\_Murphy@gov.nt.ca; environment@ykdene.com; eric.binion@nsma.net; esangris@ykdene.com; exec@slema.ca; fieldworker.frnc53@northwestel.net; fisheriesprotection@dfo-mpo.gc.ca; forsmithmetiscouncil@northwestel.net; frmc@northwestel.net; Glen\_Mackay@gov.nt.ca; gnwt\_ea@gov.nt.ca; Hilary\_machtans@golder.com; hrnc@northwestel.net; ima\_dkfn@northwestel.net; intergov@aandc-aadnc.gc.ca; jbrennan@yellowknife.ca; Jeremy\_Roberts@gov.nt.ca; jhood@fortsmith.ca; lands@slfn196.com; landsnresources@katlodeeche.com; Laurie.McGregor@aandc.gc.ca; Lindsey.Armer@aandc.gc.ca; marc.lange@aandc.gc.ca; Marie.Adams@cannor.gc.ca; mark\_davy@gov.nt.ca; Matthew.Spence@cannor.gc.ca; mdd@aandc-aadnc.gc.ca; nahum.lee@aandc.gc.ca; Nathen.Richea@aandc-aadnc.gc.ca; norm.mccowan@aandc.gc.ca; patrick\_clancy@gov.nt.ca; PDD@aandc.gc.ca; permits@mvlwb.com; preliminaryscreening@reviewboard.ca; president.nwtmn@northwestel.net; rcc.nwtmn@northwestel.net; rhonda\_batchelor@gov.nt.ca; Russell\_Teed@gov.nt.ca; sao@enterprise-nt.ca; scellis@eastarm.com; Scott.Stewart@aandc-aadnc.gc.ca; screeningofficer@eastarm.com; Sean\_Whitaker@gov.nt.ca; Steven\_Shen@gov.nt.ca; Susan.Abernethy@wscc.nt.ca; Tasha\_Hall@golder.com; Tim\_Hibbs@gov.nt.ca; tslack@ykdene.com; wendy.bidwell@aandc.gc.ca; wpfn@northwestel.net; loislutra@ssimicro.com  
**Cc:** permits@mvlwb.com; 'Michael Auge'  
**Subject:** MV2009L3-0007 - City of Yk - Change to modification request for compost facility

Good day,

The City of Yellowknife has just submitted a change in their request for a modification to their Water Licence for the expansion of the Centralized Compost Facility. Please see the letter in the link below for details on the change.

<http://www.mvlwb.ca/Boards/mv/Registry/2009/MV2009L3-0007/MV2009L3-0007%20-%20City%20of%20YK%20-%20City%20change%20to%20Modification%20request%20-%20Feb13-14.pdf>

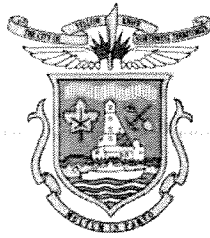
Reviewers are invited to submit any comments they have on this change to the Online Review System by following this link:

<https://rims.dpra.com/ReviewComment.aspx?appid=352>

**The deadline for reviewers to submit comments on this change is Feb 18 at 9:59pm Mountain Time.**

Please contact me if you have any questions.

Miki Ehrlich  
Regulatory Officer



CITY OF YELLOWKNIFE

February 13, 2014

Mackenzie Valley Land and Water Board  
Box 2130, 7th Floor - 4910 50th Avenue  
Yellowknife, NT X1A 2P6

Attention: Miki Ehrlich, Regulatory Officer

**RE: Water Licence No. MV2009L3-0007  
Solid Waste Facility Modification Request**

Dear Ms. Ehrlich,

This letter is to address a change in the City's request for a modification to the Water Licence for the expansion of the Centralized Compost Facility located at the Solid Waste Facility. The City has recently had discussions with Dr. John Paul, president of Transform Compost Systems, a specialist in composting and organic waste management. Out of these discussions we have learned that an asphalt pad is not required as a base pad for our compost facility. The desired composting requirements can be achieved using a gravel pad which would provide additional flexibility and easier maintenance. Based on this, the City has decided to change the base pad that we plan to use for the compost facility (section 2.1 Base Pad from the Solid Waste Facility Modification Expansion of Centralized Composting Facility request). The new design for the base pad will be as follows:

1. 60mm LLDPE single side textured Geomembrane.
2. 200mm of 20mm minus crush material.
3. Geogrid.
4. Sub-Base Layer: 250mm of 50mm minus crush material.
5. Base Layer: 150mm of 20mm minus crush material.

The 60mm LLDPE is a similar product to that which will be used to close out the other areas of the existing landfill and, as such, will tie in easily with the rest of the closure plan. The decision to use the LLDPE for the compost pad was made due to the higher elongation tensile properties that this liner has

over an HDPE liner or an asphalt layer. This will provide more flexibility in the event that minor settling occurs and will ensure that the impermeable layer over the closed out landfill is maintained. The Geogrid will provide further protection to the LLDPE to ensure that no larger rocks are able to be in contact with the LLDPE liner.

If you have any questions regarding the request, please contact me at [mauge@yellowknife.ca](mailto:mauge@yellowknife.ca) or by phone at 920-5639.

Sincerely,



Mike Auge  
Municipal Works Engineer, Public Works and Engineering

(DOCS-#384638-v1-COMPOST\_FACILITY\_MODIFICATION\_REQUEST\_-\_CHANGE\_OF\_BASE\_PAD)



February 13, 2014

File Number: MV2009L3-0007

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004	18673943322	02-13 12:43PM	01'12	005/005	EC	HS	CP

## Abbreviations:

HS: Host Send	PL: Polled Local	CP: Completed	TS: Terminated by System
HR: Host Receive	PR: Polled Remote	FA: Fail	TU: Terminated by User
MS: Mailbox Save	WS: Waiting To Send	RP: Report	G3: Group3
MP: Mailbox Print	EC: Error Correct		