

Fri 2018, 07-27

Good Day Bonnie and Alex:

Attached is a concise Closure Report for the Norman Wells Land Treatment Facility based on the information received from the Sahtu Land and Water Board. Please review and if you have any comments or information requirements please advise. Please respond to the under signed and Dennis Antony at WERI if all is acceptable . Thanks you for your cooperation and have a good weekend.

Douglas Soloway
WERO
Environmental Project Manager

On Wed, May 16, 2018 at 2:58 PM, Bonnie Bergsma <bonnie.bergsma@slwb.com> wrote:

Good Afternoon Douglas,

There is no formal process for closing Water Licences as there is for closing a Land Use Permit; however, conditions of the Water Licence require that appropriate Closure and Reclamation of the site is undertaken prior to expiry of the Licence. The Water Licence S13L8-003 expired on March 17, 2018; however conditions related to Closure and Reclamation of the site still apply as monitoring of reclamation success continues for two years following reclamation and security will be held until the site is restored to the satisfaction of the SLWB and the Inspector.

Specifically, the WL conditions state that all disturbed areas relating to the Water Licence activities shall be restored and the site shall be prepared in such a manner as to facilitate natural revegetation. Once soil reaches applicable guidelines, then the land surface should be contoured to its original grade and revegetated where appropriate for erosion control, consistent with future land uses. The restoration is monitored for a period of (up to) two years to ensure mitigation and reclamation efforts have been successful and/or to the satisfaction of the SLWB and the Inspector.

Generally, we require a Closure and Reclamation Plan be prepared that would include the following:

1. Soil testing for contaminants
2. Removal of berms, limers, retention ponds, etc.
3. Restoration of natural drainage at the site
4. Maps showing locations of disturbed areas and site facilities
5. Disposition of any remaining soils
6. Future land use of the site

Following the successful closure and reclamation of the site and approval by the SLWB and the Inspector then securities posted for this WL can be returned. I believe that a security of 192,000.00 was posted with AANDC for this project.

If you have any other questions, please do not hesitate to contact me.

Regards,

Bonnie

Bonnie Bergsma, M.Sc.

Regulatory Specialist

Sahtu Land and Water Board

P.O. Box 1

Fort Good Hope NT X0E 0H0

(867) 496-2778

bonnie.bergsma@slwb.com

From: DOUGLAS Soloway <dougsoloway@gmail.com>

Sent: May 15, 2018 11:23 AM

To: Sabrina Sturman <sabrina.sturman@slwb.com>; [Alex Lynch@gov.nt.ca](mailto:Alex.Lynch@gov.nt.ca); Dennis Antony <dennis@weri.ca>

Subject: Fwd: Closeout Procedure for The Former Mackenzie Valley LTF

Good Day Sabrina:

Re: Norman Wells LTF Closure - Water License S13L8-003

I am contacting you on behalf of Mackenzie Valley Environmental Contractors Ltd. and Winnipeg Environmental Remediations Inc. with regards to the Board's requirements to close the Mackenzie Valley Land Treatment Facility (LTF) in Norman Wells - Water License # S13L8-003. The LTF has never been used and it's owners do not wish to proceed any further to get the LTF to an operational state and want to close the facility down. We would like the Board to provide clear direction with as to how the closure is to be achieved and what documentation is necessary to obtain the necessary approvals.

Last fall we have provided Mr. Alex Lynch with laboratory testing of soils that was conducted within the facility and additional testing was requested on the bermed area; which will be conducted this spring when the thaw occurs. Our intention with this correspondence is to obtain clear direction from the Board with regards to all its requirements to attain the facility's total closure and the site restored. I understand Mr. Alex Lynch has been forwarding you the information we have already provided and Mr. Alex Lynch has asked us to contact you for the Boards requirements in order that we can consolidate all required closure work to the Boards satisfaction. Mr. Dennis Antony's name is on the water license and realizes his responsibilities in this regard.

As additional information, once the Board's closure requirements have been satisfied, a new owner (David Hodgson) potentially would like to proceed with a proposal making the existing site into a cold storage facility and Mr. Antony will not be apart of this initiative.

In closing, thank-you for your attention to this matter in order that the Board's required closure work on the Norman Wells LTF can proceed. Please contact the undersigned at the provided e-mail address with any direction and please ensure Dennis Antony is cc'd on all correspondence.

Douglas Soloway

Environmental Project Manager

Winnipeg Environmental Inc.

(204)-213-0131

----- Forwarded message -----

From: **Dennis Antony** <Dennis@weri.ca>

Date: Thu, May 10, 2018 at 9:43 AM

Subject: Closeout Procedure for The Former Mackenzie Valley LTF

To: "DOUGLAS Soloway (dougsoloway@gmail.com)" <dougsoloway@gmail.com>

Cc: "DOUGLAS Soloway (dougsoloway@gmail.com)" <dougsoloway@gmail.com>, "David Hodgson (hci4@theedgenw.ca)" <hci4@theedgenw.ca>, "Alex Lynch (Alex_Lynch@gov.nt.ca)" <Alex_Lynch@gov.nt.ca>

Hi Doug

As per discussion can you take the lead on this LTF closeout. Please contact Sabrina Sturman with the Sahtu Land and Water board to confirm the closeout process. Keep us in the loop.

Regards,

Dennis Antony BSc, RRD, CPESC

Vice President of Projects

Winnipeg Environmental Remediations Inc.

Ph. 204-339-5193 Fax. 204-334-6933

From: Alex Lynch [mailto:Alex_Lynch@gov.nt.ca]

Sent: April-16-18 10:54 AM

To: Dennis Antony

Cc: DOUGLAS Soloway (dougsoloway@gmail.com); David Hodgson (hci4@theedgenw.ca)

Subject: RE: Mackenzie Valley LTF Soil Sample Results - Water Licence S13L8-003

Hi Dennis,

Since the primary contact of the Water Licence is still under your name and Mackenzie Valley Environmental Contractors, it is your responsibility to ensure that this licence is closed as per the conditions of the licence. I would recommend contacting Sabrina Sturman from the Sahtu Land and Water Board to discuss what is required as the licence holder to close out and change the scope of this licence. The Sahtu Land and Water Board will be able to advise you on the next steps for HRN to continue using the site once all water licence terms and conditions have been met for the current licence (i.e. spring confirmatory sampling and removal of the buried berm). I would recommend contacting Sabrina sooner than later to start this process prior to spring sampling and the removal of the berm.

Sabrina Sturman, sabrina.sturman@slwb.com

If you have any questions, please let me know.

Thanks,

Mársı | Kinanāskomitin | Thank you | Merci | Hąj' | Quana | Qujannamiik | Quyanainni | Máhsı | Máhsı | Mahsi

Alex Lynch

Sahtu Regional Water Resource Officer

Environment & Natural Resources

Government of the Northwest Territories

2nd floor Cartrols Building

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From: Dennis Antony [mailto:Dennis@weri.ca]

Sent: Tuesday, 10 April, 2018 11:03

To: Alex Lynch

Cc: DOUGLAS Soloway (dougsoloway@gmail.com); David Hodgson (hci4@theedgenw.ca)

Subject: RE: Mackenzie Valley LTF Soil Sample Results - Water Licence S13L8-003

Hi Alex

We can Deal with the sampling of the berm in the spring. However once this is done you will need to work with David Hodgson on the further use of the site. I have no intention of using the land any further as my obligation would be complete. Thanks for your assistance in this matter.

Regards,

Dennis Antony BSc, RRD, CPESC

Vice President of Projects

Winnipeg Environmental Remediations Inc.

Ph. 204-339-5193 Fax. 204-334-6933

From: Alex Lynch [mailto:Alex_Lynch@gov.nt.ca]

Sent: April-10-18 11:25 AM

To: Dennis Antony

Cc: sabrina.sturman@slwb.com

Subject: Mackenzie Valley LTF Soil Sample Results - Water Licence S13L8-003

Good Morning Dennis,

I apologize for the delay in response.

I have reviewed the soil sample results from the Mackenzie Valley LTF and all sample results meet acceptable limits; however, the containment berm still remains in place and would need to be removed once the ground has thawed. Additionally, I would like to see follow-up soil sampling conducted at this site once the berm has been entirely removed. I am also under the impression that you intend on using the site as a staging area moving forward. In order to proceed with this change in scope, the Sahtu Land and Water Board will need to be engaged to determine what information/documentation they require. I have CC'd Sabrina Sturman from the Sahtu Land and Water Board for you to discuss further.

If you have any questions, please feel free to contact me.

Regards,

Mársı | Kinanāskomitin | Thank you | Merci | Hqj' | Quana | Qujannamiik | Quyanainni | Máhsı | Máhsı | Mahsı

Alex Lynch

Sahtu Regional Water Resource Officer

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From: DOUGLAS Soloway [<mailto:dougsoloway@gmail.com>]

Sent: Tuesday, 27 February, 2018 10:21

To: Alex Lynch; Dennis Antony

Subject: Mackenzie Valley LTF Soil Sample Results

Good Day Alex:

Attached for your review is a Summary Table of the ALS results of hydrocarbons and Fractions F1 F4 for the Mackenzie Valley LTF. The results on the table are compared with the Guidelines for Table 1 - Tier 1 for Surface Soils and are within the specified guidelines. Also attached on a ALS Spread Sheet for your review are the Test Results for Metals and related information. The ALS COA is also attached for your reference.

Should you have any questions, please contact Dennis Antony.

Douglas Soloway

Winnipeg Environmental Remediations Inc