

Bijaya Adhikari

From: Bijaya Adhikari
Sent: January 26, 2018 4:09 PM
To: 'Joshua Clark'
Cc: Mardy Semmler
Subject: RE: Aklavik soil biotreatment 2017 operational summary and request for license amendment

Hi Joshua,

It was nice to have a brief conversation with you.

Basically as we spoke – Pb concentration pre-treat < post-treatment. I suspect there should be systematic error. Also note that Pb effluent quality criteria depend on the hardness. In the case of municipal storm water drainage system, non-point pollutants entering into the system depends on various factors such as availability, storm intensity, season etc. therefore, this can't be considered background in comparison with the contaminated water collected from the contaminated soil treatment facility.

Thank you and have a great weekend,

Bijaya

From: Joshua Clark [mailto:jclark@ntpc.com]
Sent: January 26, 2018 11:47 AM
To: Bijaya Adhikari <adhikarib@inuvwb.ca>
Subject: RE: Aklavik soil biotreatment 2017 operational summary and request for license amendment

Hi Bijaya,

Are you available for a conference call on Monday (Jan. 29) to discuss the amendments we requested? Margaret Allan (Matrix Solutions) and Matt Miller (Environmental Licensing Specialist – NTPC) will also join in on the call. We are available any time during the day on Monday.

Thanks,

Josh

From: Bijaya Adhikari [mailto:adhikarib@inuvwb.ca]
Sent: Thursday, January 25, 2018 4:52 PM
To: Joshua Clark
Cc: Margaret Allan; Mardy Semmler
Subject: Aklavik soil biotreatment 2017 operational summary and request for license amendment

Good Afternoon Joshua,

Matrix Solutions Inc., on behalf of NTPC, requested for the amendment (as indicated in email below from Matrix) of the NTPC Miscellaneous Water Licence N3L8-1838. Upon review of the amendment request and water licence Terms &

Conditions, it appears that water that does not meet the effluent criteria should be transported and disposal at licenced facility as specified by Water Licence N3L8-1838 Part C, Item 9:

“The Licensee shall dispose of all contaminated water that does not meet effluent criteria at a licenced disposal facility”;

Prior to shipment, copies of agreement or letter should be provided to the Board as required by Water Licence N3L8-1838 Part C, Item 11:

“Where contaminated soils and/or water is to be transported to a licenced disposal facility, the Licensee shall provide to the Board, prior to shipment, copies of agreements or letters between the Licensee and the third parties where the third party has agreed to harbour, transport or dispose of such contaminated water and/or waste”.

Matrix Solutions Inc. has also submitted an Annual Report 2017 as an email attachment. As required by the IWB document submission guideline and Water Licence Part B, Item 10; please submit two (2) hard copies accompanied by two (2) CDs of the Annual Report 2017. The annual report should address each item as specified in water licence Part B, Item 1a) to 1h). On the cover page of the report, please indicate “Annual Report 2017”.

Sincerely,

Bijaya

*Bijaya Adhikari, PhD
Science and Regulatory Coordinator
Inuvialuit Water Board
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Tel: (867) 678-8610
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From: Margaret Allan [<mailto:margaret@matrix-solutions.com>]
Sent: January 22, 2018 1:37 PM
To: Mardy Semmler <semmlerm@inuvwb.ca>
Cc: Bijaya Adhikari <adhikarib@inuvwb.ca>
Subject: RE: Aklavik soil biotreatment 2017 operational summary and request for license amendment

Thanks, Mardy. I've annotated our copy of the licence to note that Bijaya is to be copied on all correspondence.

—Margaret Allan
780.239.5170

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From: Mardy Semmler [<mailto:semmlerm@inuvwb.ca>]
Sent: Friday, January 19, 2018 1:57 PM
To: Margaret Allan; Joshua Clark; Matthew Miller (mmiller@ntpc.com)
Cc: Bijaya Adhikari
Subject: FW: Aklavik soil biotreatment 2017 operational summary and request for license amendment

Good Afternoon Margaret

Thank you for providing the reports and the amendment request. The IWB will review and get back to NTPC regarding the amendment request.

Please copy Bijaya Adhikari, IWB Science and Regulatory Coordinator on all correspondence.

Thank you

Mardy

From: Margaret Allan [<mailto:margaret@matrix-solutions.com>]

Sent: January 19, 2018 1:45 PM

To: Mardy Semmler <semmlerm@inuvwb.ca>

Cc: Joshua Clark <jclark@ntpc.com>; Matthew Miller (mmiller@ntpc.com) <mmiller@ntpc.com>; John Banks <jbanks@matrix-solutions.com>; Scott McIntyre <smcintyre@matrix-solutions.com>; Emily Hastings <ehastings@matrix-solutions.com>

Subject: Aklavik soil biotreatment 2017 operational summary and request for license amendment

In accordance with Inuvialuit Water Board (IWB) licence N3L8-1838, Matrix is pleased to submit the 2017 annual report for operation of the soil biotreatment facility at the Northwest Territories Power Corp. (NTPC) former Aklavik electricity generation site. The report summarizes volumes of soil treated and water discharged in 2017; there were no spills or unauthorized discharges.

2017 was the first season of operations for the soil treatment facility. As you are well aware, remote and northern locations impart operational challenges. In the spirit of learning from and adapting to changes we are proposing some licence amendments on behalf of NTPC. We respectfully request that the IWB review and accept the amendments proposed in the attached letter, as they will enhance compliance with terms of the licence under the challenging conditions posed by the site.

Sincerely,

Margaret Allan, M.Eng., P.Eng., P.Geo., EP(CEA)
Principal Engineer

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