



Telephone: 867-587-7203
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March 2, 2018

Enbridge Pipelines (NW) Inc.
10175 101 Street NW
Edmonton, Alberta
T5J 3S4

Attention:	Peter Cushman
File Number	S17L1-004
Type of Operation	Industrial Type B Water Licence
Location	Saline River

Dear Peter Cushman,

An inspection of the Enbridge Pipelines (NW) Inc Line 21 Pipeline Maintenance at Saline River was conducted on Monday, February 26th, 2018. Specifically, Water Licence #S17L1-004 was inspected to ensure that the terms and conditions of the licence were met. Enclosed is a copy of the Inspection Report for your review and records.

A copy of this report will be sent to the Sahtu Land and Water Board for their review and public records. If you have any questions/concerns regarding the enclosed, please do not hesitate to contact me at (867) 587-7203.

Sincerely,

Original Signed

Alex Lynch
Sahtu Regional Water Resource Officer
Environment and Natural Resources



WATER LICENCE INSPECTION REPORT

Cc: Jeff Walker – Superintendent, GNWT ENR Sahtu Region
Sabrina Sturman – Regulatory Specialist, Sahtu Land and Water Board

Enclosure: Water Licence Inspection Report (4 pages)

Date:	February 28, 2018	Licence #:	S17L1-004	Page No:	2
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WATER LICENCE INSPECTION REPORT

LICENCE #:	S17L1-004	EXPIRY DATE:	February 6th, 2020
LICENCEE:	Enbridge Pipelines (NW) Inc.	PREVIOUS INSPECTION:	N/I
COMPANY REP:	Peter Cushman	INSPECTION DATE:	February 26th, 2018

GENERAL CONDITIONS/REPORTS/PLANS

Indicate: **A - Acceptable** **U - Unacceptable** **N/A - Not Applicable** **N/I - Not Inspected**

C &R Plan	N/A	Records & Reporting	A	Final Report	N/A
Geotechnical Inspection	A	Posting, Signage	N/A	Contingency Plan	N/A
Restorations Activities	A	Spills	A	O&M Plan	N/A
Maintenance	A	Modifications	N/A	Annual Report	N/A

General Condition Comments:

On Monday, February 26th, 2018 Water Resource Officer (Inspector) Alex Lynch and Manager Resource Management Trevor Bremner, inspected the Enbridge pipeline maintenance work at Saline River. The purpose of the inspection was to assess the Lands Use Permit and Water Licence (WL) and associated terms and conditions.

The water licence permitted Enbridge to dewater a portion of the Saline River to support their pipeline maintenance. There was no dewatering of the river required on the project, but a channel diversion was installed to isolate the Saline River from both dig sites. Enbridge notified the Sahtu Land and Water Board of this diversion on February 16th, 2018, as per Part E, Condition 8 of their licence. The crews had already backfilled the first dig site (Photo #4) and were in the process of filling the second dig site (Photo #1) during the inspection.

ADDITIONAL COMMENTS/REMARKS

Operations and Maintenance

The discharge location (Photo #2: Temporary Sediment Removal Basin) for the dewatering of the dig pit was actively monitored by the crews on site. The Inspector was not on site to witness the dewatering, however, Enbridge has ensured the Inspector that the sediment and erosion control measures will be removed and disposed of properly following the demobilization of the site. There was some evidence that the sediment removal basin walls (Photo #2) may not have been maintained during dewatering, however, the dewatered material appeared to be clean and free of any major sediment. No erosion was noted by the crews during dewatering of the dig sites.

The stabilization measures (Photo #5) in place appeared to be effective in isolating the dig site from the Saline River. The water flowing around the stabilization measures appeared to be clear and free of any sediment. Additionally, no hydrocarbon impacted water was observed during the inspection.



WATER LICENCE INSPECTION REPORT

Conditions Applying to Watercourse Crossings

Enbridge was required to construct a watercourse crossing over the Saline River to access their dig sites. The crossing was constructed as per the conditions laid out in Part J: Conditions Applying to Watercourse Crossings in WL# S17L1-004. Riparian vegetation was not disturbed in the immediate boundary of the temporary watercourse crossing, and Enbridge will be removing the crossing during demobilization and closure of the site. Additional comments may be required by the Inspector once the final Closure and Reclamation Plan is submitted to the Sahtu Land and Water Board.

MATTERS FOR FOLLOW UP

Additional monitoring will be required by Enbridge to ensure the site is stabilized during spring freshet 2018. A follow-up inspection will be also conducted by Department of Environment and Natural Resources of the site in June 2018 to assess site restoration and demobilization activities.

Date:	February 28, 2018	Licence #:	S17L1-004	Page No:	2
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WATER LICENCE INSPECTION REPORT

Inspector's Signature: _____ Original Signed _____

Date:	February 28, 2018	Licence #:	S17L1-004	Page No:	3
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WATER LICENCE INSPECTION REPORT

INSPECTION IMAGES

Figure 1 – Site Overview



Figure 2 – Temporary Sediment Removal Basin



Figure 3 – Temporary Crossing of Saline River



Figure 4 – Backfilled Dig Pit



Figure 5 – Stabilization Measures

