



Environment and Natural Resources  
Government of the Northwest Territories  
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April 18, 2016

GNWT Department of Transportation  
PO Box 2038  
Inuvik NT X0E 0T0

**Attn: Dean Ahmet, Senior Program Manager**

**RE: INDUSTRIAL Water Use N7L1-1835  
CLASS A - INDUSTRIAL  
ITH South End**

Dear Mr. Ahmet,

A ground inspection of the above noted operation was conducted on April 11, 2016 by Water Resource Officer Philippe Thibert-Leduc and Environmental Protection Officer Rolland Malegana. Enclosed is a copy of the Industrial Water Use Inspection Report.

A copy of this report will be sent to the Inuvialuit 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) 678-6676.

Sincerely,

A handwritten signature in black ink, appearing to read "P. Thibert-Leduc", written in a cursive style.

Philippe Thibert-Leduc  
Water Resource Officer  
GNWT ENR Inuvik Region

Cc: Stephen Charlie – Superintendent, GNWT ENR Inuvik Region  
Mardy Semmler – Executive Director, Inuvialuit Water Board  
Bijaya Adhikari – Science and Regulatory Coordinator, Inuvialuit Water Board  
Fred Bailey – Vice President, Northwind Industries  
Alexis Campbell – Environmental Analyst, DOT  
Scott Lundrigan –Field Environment Coordinator, DOT

Enclosure: Industrial Water Use Inspection Report (4 pages)

## INDUSTRIAL WATER USE INSPECTION REPORT

<b>LICENCE #:</b>	<b>N7L1-1835</b>	<b>EXPIRY DATE:</b>	<b>December 11, 2023</b>
<b>LICENCEE:</b>	<b>Government of the Northwest Territories - Department of Transportation</b>	<b>PREVIOUS INSPECTION:</b>	<b>March 8, 2016 / March 9, 2016</b>
<b>COMPANY REP:</b>	<b>Dean Ahmet, Senior Program Manager</b>	<b>INSPECTION DATE:</b>	<b>April 11, 2016</b>

### FUEL STORAGE

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

Owner:	EGT Northwind	Operator:	EGT Northwind	Condition of tanks:	A
Berms & Liners	A	Water within Berm:	Nil	Evidence of Leaks:	U <sup>1</sup>
Drainage Pipes	N/A	Pump Station and Catchment Berm	A	Runoff Diversion	N/A
Pipeline Condition	N/A				

### **Fuel Storage Comments:**

- <sup>1</sup>The soil around the fuelling area at Borrow Source GSC4 is visibly stained with fuel and smells strongly of hydrocarbons (see Figure 1). The equipment on site appeared to be in good condition, and there is secondary containment being used as well however it is not being properly maintained (see Figure 2). It appears this may have happened as a result of small amounts of fuel spilled from the nozzle overtime, and build-up on top of the drum leaking onto the ground. Please ensure that the affected surface area is scrapped off and that any build-up of fuel is removed from the site before the end of the construction season.

### GENERAL CONDITIONS/REPORTS/PLANS

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

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

### **General Comments:**

- A ground inspection of the south end was conducted on April 11, 2016 by Water Resource Officer Philippe Thibert-Leduc and Environmental Protection Officer Rolland Malegana. At the time of the inspections, crews were still working out of Borrow Source GSC4. Borrow Source PW10 appeared to be inactive, and there is limited hauling still ongoing out of Borrow Source I401A. PW10 reclamation is completed according to the Weekly Progress Reports, and reclamation efforts are ongoing at I401A and GSC4. As of April 7, 2016, the south and north ends connected between KM 50 and 55.
- In the last Water Licence inspection report, some significant concerns were noted with regards to inconsistencies between the approved Pit Development Plan for GSC4 and field operations. The concerns have been acknowledged by the Licensee and ENR Inspectors confirmed at the time of the inspection that the overburden stockpiles of concern near Jimmy Lake, at South West and South East corners have been pushed in and flattened out (see Figures 3 and 4). The area will need to be monitored during freshet to assess drainage of the area towards Jimmy Lake.
- Overall, the remaining mobile camp by GSC4 appeared to be clean and tidy. No environmental concerns to report with regards to storage of fuel and sewage at the camp site.
- There were no water withdrawal operations observed at the time of the inspection. There are still flooding operations at PW10 and GSC4 access roads but none could be observed at the time of the inspection. No environmental concerns regarding storing on ice near water holes and regarding flooding.
- Understanding that the construction season is soon coming to an end, please ensure that all stockpiled materials in all Borrow Sources meet the requirements of their respective Pit Development Plan as approved, and that all terms and conditions of the Water Licence are being met.

# INDUSTRIAL WATER USE INSPECTION REPORT

Inspector's Signature:



# INDUSTRIAL WATER USE INSPECTION REPORT

**Inspection Images:**

**Figure 1**

Fuel-stained ground at GSC4's fuelling area. Strong odour of hydrocarbons on site. Ground will need to be remediated.



**Figure 2**

Residual fuel is building up on this drum at GSC4. Secondary containment is not properly maintained.



# INDUSTRIAL WATER USE INSPECTION REPORT

**Figure 3**

Overview of Jimmy Lake from Borrow Source GSC4a South West corner.



**Figure 4**

Overview of GSC4a from South West corner.

