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April 24, 2017

Government of the Northwest Territories – Department of Transportation
P.O. Box 2038
Inuvik, NT X0E 0T0

Attention: Dean Ahmet, Senior Program Manager

File Number N7L1 - 1835
Type of Operation CLASS B - INDUSTRIAL
Location

Dear Dean Ahmet,

An inspection of the above noted operation was conducted on April 18, 2017 by Water Resource Officer Lloyd Gruben.

During the the inspection at Trail Creek Crossing and Hans Creek, two non compliance was noted. Under Class B Water License, Part C ; Conditions Applying To Construction, Section 6 states: The licensee shall ensure that there is no obstruction of water flow in watercourses as a result of Engineered Structures being placed in, or about, a watercourse. Firstly, Trail Creek Crossing, the trench built on the right side while travelling North, there is chunks of mud(soil) visible middle of the creek. Secondly, Hans Creek, Gravel middle of the creek watercourse.

Enclosed is a copy of the INDUSTRIAL Water Use Inspection Report.

If you have any questions, please contact me at 867-678-6676.

Sincerely,

Lloyd Gruben
Water Resource Officer
Environment and Natural Resources
Beaufort Delta



«INSP_TYPE» WATER USE INSPECTION REPORT

Cc:

- Norman Snowshoe – A/ Superintendent, GNWT, ENR Inuvik Region
- Mardy Semmler – Executive Director, Inuvialuit Water Board
- Bijaya Adhikari – Science and Regulatory Coordinator, Inuvialuit Water Board
- Kevin C. Mcleod,- Director, Highways and Marine, GNWT DOT
- Doug Saunders- Operations Manager, E. Gruben’s Transport Ltd
- Fred Bailey – Vice President, Northwind Industries
- Alexis Campbell – Environment Analyst, DOT
- Freda Wilson – Inuvialuit Water Board

Date:		Licence #:		Page No:	2
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«INSP_TYPE» WATER USE INSPECTION REPORT

LICENCE #:	N7L1 - 1835	EXPIRY DATE:	December 11, 2023
LICENCEE:	Government of the Northwest Territories, Department of Transportation	PREVIOUS INSPECTION:	March 29, 2017
COMPANY REP:	Dean Ahmet	INSPECTION DATE:	April 18, 2018-2017

WATER SUPPLY

Source:		Quantity Used:	
Owner/Operator:		Meter Reading:	

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

Intake Facilities		Storage Structures		Treatment Systems		Recycling	
Flow Meas. Device		Conveyance Lines		Pumping Stations		Chem. Storage	
						Modifications	

Water Supply Comments:
Water delivered to camp every two days

WASTE DISPOSAL - WELL WASTE

Disposal Method									
Off-Site Removal	N	Drilling Sump	N	Downhole Injection	N	Treat and Landspread	N	Other	

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

Sump Liners		Sump Treatment		Freeboard	
Erosion		Construction			
SNP Samples Collected					

Well Waste Comments:



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WASTE DISPOSAL - SEWAGE

Disposal Method							
Mechanical	N	Camp Sump	N	Natural Water Body	N	Wetland Treatment	N
Continuous Discharge	N	Intermittent Discharge	N	Seasonal Discharge	N	Land Spread	N
Accelerated Biological	N	Other					

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

Discharge Quality	N/A	Decant Process & Structures	N/A	Discharge Measurement Device	N/A
Freeboard	N/A	Sludge Disposal Method	N/A		
Periods Of Discharge	N/A			SNP Samples Collected	N/A
Effluent Discharge Rates	N/A				

Sewage Comments:

All sewage from camp facilities pumped out every two days and disposed of at The Town of Inuvik Sewage Lagoon

WASTE DISPOSAL - TAILINGS

Disposal Method							
Tailings Pond	N	Natural Lake	N	Underground	N	Other	

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

Conveyance Lines		Runoff Diversion		Dams, Dykes	
Freeboard		Seepages		Dyke Inspection	
Erosion		Pond Treatment		Construction	
Periods Of Discharge				SNP Samples Collected	

Tailings Comments:

WASTE DISPOSAL - MINING - OTHER

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



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Ore & Waste Rock Stockpiles		Chemical Storage	
Ground Water Discharge		Mine Water Discharge	

Mining-Other Comments:

WASTE DISPOSAL - SOLID WASTE

Disposal Method							
Open Dump	N	Landfill	N	Burn & Landfill	N	Underground	N
Offsite Removal	y	Other					
Owner / Operator							

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

Runoff Diversion		SNP Samples Collected	
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Solid Waste Comments:

Waste brought to Inuvik Solid Waste Site

FUEL STORAGE

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

Owner:	EGTNW	Operator:	EGTNW	Condition of tanks:	A
Berms & Liners	A	Water within Berm:	NI	Evidence of Leaks:	A
Drainage Pipes	NI	Pump Station and Catchment Berm	A	Runoff Diversion	NI
Pipeline Condition					

Fuel Storage Comments:

Refueling station in good condition. Spill kit clearly visible next to station, drip trays utilized

DAM - STRUCTURAL CONDITION OF DAM



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

Required Freeboard									
Crest	Cracking		Subsidence		Heaving		Wave Erosion		Brushing Required
Upstream Face	Cracking		Surface Erosion		Gullying		Wave Erosion		Brushing Required
Downstream Face	Cracking		Surface Erosion		Gullying		Wave Erosion		Brushing Required

Structural Condition Of Dam Comments:

DAM – SPILLWAYS and DISCHARGE STRUCTURES

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

Intake Structures		Discharge Structures	
Seepage		Erosion	
Downstream Discharge		Stage Discharge Curves	
Forebay Level		Tail Race Level	
Flow rate (Power House)			
Flow rate (Spillway)			
Power Production			
Forebay Max Level			
Forebay Min Level			

Spillways and Discharge Structures Comments:

SURVEILLANCE NETWORK PROGRAM

Samples Collected Licencee	
Samples Collected ENR	

Signs Posted: SNP		Warning	
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Surveillance Network Program Comments:



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

General Condition Comments:

On April 18, 2017 Water Resource Officer (Inspector) Lloyd Gruben inspected the ITH to assess the Licencee’s compliance with Water License N7L1-1835 (expriy December 11, 2023 and associated terms and condition

Weather was mix sun and cloud with strong winds up to 20 km’s/hour. Drifting snow. Temp was -12

Did inspection of camp facilties at Source 312. Everything in good clean condition. Drip trays utilized, spill kits visible at both refueling station and camp

ADDITIONAL COMMENTS/REMARKS

MATTERS FOR FOLLOW UP

NON-COMPLIANCE/VIOLATIONS OF ACT OR LICENCE

Observations wre made at Trail Valley Creek Crossing, on right hand trench heading north, mud and soil observed middle of trench will be obstructing water flow. These will need to be removed before spring melt

Hans Creek Crossing, gravel observed during inspection was noticed middle of creek water flow. This gravel will require scraped off before spring melt to allow water flow

Inspector’s Signature: _____



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INSPECTION IMAGES



