



Telephone: 867-678-6671

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May 23, 2017

GNWT - Department of Finance
P.O. Box 2038
Inuvik, NT X0E 0T0

**Attention:
Dean Ahmet**

File Number	N7L1- 1835
Type of Operation	CLASS A - INDUSTRIAL
Location	Inuvik – Tuktoyaktuk Highway

Dear Dean,

An inspection of the above noted operation was conducted on by Water Resource Officer Philippe Thibert-Leduc, Dean Ahmet, Mohammah Hossain and Patrice Ngu Ndiang of Dept of Infrastructure by helicopter to Trail Valley Creek , Hansd Creek and fly over of pit borrow source 174.

Weather that day was +21 C, Sunny and lite E winds

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 an Natural Resources
Beaufort Delta

Cc:



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Norman Snowshoe – A/Superintendent of ENR

Mardy Semmler- Director, IWB

Bijaya Adhikari – Science and Regulatory Coordinator , IWB

Kevin Mcleod – ADM, Dept of Infrastructure

Doug Saunders – Operations Manager, E. Gruben’s Transport Ltd

Fred Bailey – Vice President , Northwind Industries

Alexis Campbell – Environmental Analyst

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LICENCE #:	N7L1 - 1835	EXPIRY DATE:	Dec. 11, 2023
LICENCEE:	Department of Infrastructure	PREVIOUS INSPECTION:	May 5, 2017
COMPANY REP:	Dean Ahmet	INSPECTION DATE:	May 17, 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:

WASTE DISPOSAL - WELL WASTE

Disposal Method									
Off-Site Removal	N	Drilling Sump	N	Downhole Injection	N	Treat and Landsread	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:

WASTE DISPOSAL - SEWAGE



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

Sewage Comments:

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**

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



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		Discharge	
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Mining-Other Comments:

WASTE DISPOSAL - SOLID WASTE

Disposal Method							
Open Dump	N	Landfill	N	Burn & Landfill	N	Underground	N
Offsite Removal	N	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:

FUEL STORAGE

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

Owner:		Operator:		Condition of tanks:	
Berms & Liners		Water within Berm:		Evidence of Leaks:	

Drainage Pipes		Pump Station and Catchment Berm		Runoff Diversion	
Pipeline Condition					

Fuel Storage Comments:

DAM - STRUCTURAL CONDITION OF DAM

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



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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:

GENERAL CONDITIONS/REPORTS/PLANS

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



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

General Condition Comments:

We departed Inuvik at approx.. 2:10pm, arrived at Trail Valley Creek at approx. 2:25 pm. Dean Ahmet and I walked around Trail Valley Creek and pointed the concerns from the inspection of May 5, 2017. Pointed out that with spring run off, North side of bridge right side that run off of water during freshet, sediment and soil entering water way of the creek. Dean stated that crews will be out next day to install three (3) layers of silt fences along with co co matting to stop sediment and soil from entering water way

We then walked uinder the bridge and pointed out that the south side on left side, lot of sediment and soil running into creek water way. Again he stated that three (3) layers of silt fences and co co matting will be installed.

Have same problem North end left side. Silt fences and co co matting will be installed as sediment and soil running into creek water way

We left Trail Valley Creek and arrived at Hans Creek, where we met Doug Saunders of EGT. Pointed out that soil, granular material and soil will be required to be removed to prevent from entering water way which the creek was running.

Walked to other side of bridge and pointed out the granular, soil and silt material will be required to be removed to prevent any further material from entering water course.

Doug Saunders of EGT stated that they will have a crew out next day to scrape all material from ice to prevent further material from entering water way.

We then flew over pit borrow source 174. Dean Ahmet stated they will implement plan to prevent silt and sediment from running down the slope.

ADDITIONAL COMMENTS/REMARKS

MATTERS FOR FOLLOW UP

NON-COMPLIANCE/VIOLATIONS OF ACT OR LICENCE

Inspector's Signature: _____

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INSPECTION IMAGES

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