



Telephone: (867) 872-2558 Ext. 26

November 19, 2024

NTPC Northwest Territories Power Corp
4 Capital Drive
Hay River , NT, X0E 1G2

Attention: Graeme Reid

File Number	MV2020X0004
Type of Operation	MISC.
Location	Taltson Dam

Dear Graeme Reid,

An inspection of the above noted operation was conducted on September 05, 2024, by Resource Management Officer II Miles Barry and Water Resource Officer Josh Gauthier.

Enclosed is a copy of the Environmental Inspection Report. Please refer to the unacceptable and noted conditions in the general comments section of this report. Your attention to this matter is appreciated.

If you have any questions, please contact me at (867) 872-2558 Ext. 26.

Sincerely,

Miles Barry
Resource Management Officer II
Department of Environment and
Climate Change
South Slave Region

CC: Mackenzie Valley Land and Water Board

Dominique Soucy, Manager, Resource Management, Land and Water, South Slave Region,
Department of Environment and Climate Change



ENVIRONMENTAL INSPECTION REPORT

Permittee:	NTPC Northwest Territories Power Corp	Permit Expiry Date:	July 01, 2025
Land Use Permit No.	MV2020X0004	Previous Inspection:	February 20, 2024
Quarrying Permit No.	2022QP0006 Expires April 11, 2024	Inspection Date:	September 05, 2024
Contractor:	Listostroj Hydro	Subcontractor:	DB Consultant
Location(s) Inspected:	Taltson Dam		
Current Stage of Operation:	Active		
Program Modifications Approved:	N/A		

Condition of Operation “A” - Acceptable “U” - Unacceptable “N/A” - Not Applicable “N/I” - Not Inspected

Operating Condition	Aspect Inspected					
	Camp	Fuel Storage	Storage Areas	Waste Facilities	Dam	Quarries
Location as Permitted	A	A	A	A	A	A
Time as Permitted	A	A	A	A	A	A
Equipment as Approved (Type & Size)	A	A	A	A	A	A
Methods & Techniques	A	A	A	A	A	A
Facilities	A	A	A	A	A	A
Erosion (Control or Prevention)	A	A	A	A	A	A
Chemicals	A	A* #36	A	A	A	A
Wildlife and Fisheries Habitat (Protection)	A	A	A	A	A	A
Wastes	A	A	A	U #39	A	A
Historical / Archaeological Sites	A	A	A	A	A	A
Ecological Resources	A	A	A	A	A	A
Fuel Storage	A	A	U #59, 60	A	A	A
Brush Disposal	A	A	A	A* #62	A	A
Restoration of Lands	A	A	A	A	A	A
Permits	A	A	A	A	A	U #10

Explanatory Remarks –

A Land Use Permit Inspection was conducted on September 5th, 2024, by Resource Management Officer II Miles Barry in conjunction with a Water License inspection completed by Water Resource Officer Josh Gauthier. Northwest Territories Power Corporation quarrying and overhaul operations are authorized under LUP MV2020X0004 (expires July 1, 2025) and Quarry Permit 2022QP0006 for 3500m³ of gravel and 2000m³ sand; expires April 11, 2025, or once authorized amount has been quarried.

Fuel Storage

There were 41x empty 54G drums, 6x 100lb propane/compressed gas cylinders, 34x 54G waste fuel drums, 6x 1000L totes, and 16x batteries stored at the south end of the airstrip for removal via the winter road (Figure 3-4). As per Permit Condition #36, once removed it must be taken to an authorized waste facility.



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Permit Condition #36: *“The Permittee shall dispose of all combustible waste petroleum products by removal to an authorized waste facility.”*

There were three 90’000L diesel fuel tanks, a 13’600L diesel tank, a 1295L gas tank, a 1000L fuel tote, and 10x 54G fuel drums stored at the dam site (Figure 41-44). One 90’000L diesel fuel tank had been removed from site since the previous inspection.

Site Storage/Laydown Area

Storage at the boneyard had been reorganized since the previous inspection and burnt items had been removed (15-19).

Two shipping containers and two genie lifts were being stored in Storage area A (Figure 28).

Storage area B continues to be used for the storage of materials and equipment for use in the overhaul (20-22, 24). A roller compactor parked on site was leaking and hydrocarbon staining was observed on sediments underneath the vehicle (Figure 22-23).

Permit Condition #59: *“All equipment that may be parked for two hours or more shall have a haz-mat/drip tray under it or be sufficiently diapered. Leaky equipment shall be repaired immediately.”*

Permit Condition #60: *“The permittee shall clean up all leaks, spills, and contaminated material immediately.”*

Please ensure leaking equipment is repaired, contaminated soil is cleaned/removed, and drip trays are in place.

New Camp Facility

The new camp facility and water intake was operational and the sites were clean and orderly (Figure 28-34). There were some repairs made to the electric fence and septic outlet due to damage caused by a bear (Figure 35-36). Bear boards were laid down as an additional wildlife deterrent.

Waste Areas

The dump was well organized (Figure 5-14). A significant amount of noncombustible material had been removed by the winter road since the last inspection. There were some large brush piles pushed up on the southeast side of the dump (Figure 6). Please continue to progressively burn brush piles as per permit condition #62.

Permit Condition #62: *“The permittee shall progressively dispose of all brush and trees; all disposal shall be completed prior to the end of this land use operation.”*

There were tires, treated lumber, and plastics observed in the untreated lumber, brush, and cardboard burn pile (Figure 8-9). Any materials other than untreated lumber, brush, and cardboard must be removed from the pile and properly sorted before burning.

There was inappropriate waste materials observed in the incinerator ash bin including heavy metals, batteries, and pressurized gas cylinders (Figure 7). The permittee must only incinerate materials approved in the Waste Management Plan as described in section 2.2.3.

Permit Condition #39: *“The permittee shall dispose of all Waste as described in the waste management plan...”*



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The septic field was operational (Figure 37). The temporary sewage lagoon for dumping portable outhouse waste on the spillway road appears to still be in operation (Figure 51). There was some spillage observed on the berm of the lagoon (Figure 52). Please ensure sewage is deposited in the lagoon and spillage is cleaned up immediately after occurrence.

Dam Site

The dam site was clean and orderly; facilities and equipment were in good condition (Figure 38-50).

Quarries (Pits C, D, W)

At the time of inspection there was active gravel quarrying occurring at Pit W (Figure 55-56). Sand quarries at Pit C and D appear to be infrequently used (Figure 53-54).

Be advised that all material removed must be reported in a monthly quarry report as per Quarry Permit Condition #10.

Permit Condition #10: *“Prior to the tenth day of each month , the Permittee shall submit a report to the South Slave Region – Fort Smith Land Agent at Katie_White@gov.nt.ca indicating the quantity of material removed from the site. Failure to submit the monthly report within the indicated time frames may result in cancellation of this permit as per section 9(6) of the Quarrying Regulations.”*

Representative Signature


Inspector's Signature



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Inspection Images:

<p>Figure 1</p> <p>Aerial view of the Taltson dam.</p> 	<p>Figure 2</p> <p>Equipment at the winter road entrance.</p> 
<p>Figure 3</p> <p>Buildings and equipment at the south end of the airstrip.</p> 	<p>Figure 4</p> <p>Empty fuel drum and waste fuel storage.</p> 
<p>Figure 5</p> <p>Entrance to the dump.</p> 	<p>Figure 6</p> <p>Brush piles on the southeast side of the dump.</p> 



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<p>Figure 7</p> <p>Incinerator ash at the dump.</p>	<p>Figure 8</p> <p>Untreated lumber, brush, and cardboard burn pile.</p>
	
<p>Figure 9</p> <p>Untreated lumber, brush, and cardboard burn pile.</p>	<p>Figure 10</p> <p>Metal debris at the dump.</p>
	
<p>Figure 11</p> <p>Sorted waste items on the north side of the dump.</p>	<p>Figure 12</p> <p>Sorted waste items on the north side of the dump.</p>
	



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Figure 13

Sorted waste items on the north side of the dump.



Figure 14

Sorted waste items on the north side of the dump.



Figure 15

Facilities at the boneyard.



Figure 16

Miscellaneous items stored at the boneyard.



Figure 17

Miscellaneous items stored at the boneyard.



Figure 18

Miscellaneous items stored at the boneyard.





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Figure 19

Miscellaneous items stored at the boneyard.



Figure 20

Storage area B.



Figure 21

Dump truck parked at storage area B.



Figure 22

Roller compactor parked at storage are B.



Figure 23

Hydrocarbon staining under the roller compactor.



Figure 24

Storage area B.





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Figure 25

Quonsets at storage area A.



Figure 26

Genie lifts and shipping containers at storage area A.



Figure 27

Dump truck parked on the road adjacent to storage area A.



Figure 28

The road to the water intake.



Figure 29

Equipment at the water intake.



Figure 30

The water intake.





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Figure 31

Water intake and dock.



Figure 32

Portable pump at the water intake..



Figure 33

The front entrance to the camp facility.



Figure 34

Behind the camp facility.



Figure 35

The septic outlet.



Figure 36

Repairs made at the septic outlet.





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Figure 37

Overlook of the septic field.



Figure 38

The dam head.



Figure 39

An portable outhouse at the dam site.



Figure 40

Radio tower at the dam head.



Figure 41

Bulk fuel and generators at the dam site.



Figure 42

Generator units and fuel.





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Figure 43

Fuel storage at the dam site.



Figure 44

Incinerator and generators.



Figure 45



Figure 46



Figure 47

The shop at the dam site.



Figure 48

Trailer beside the shop.





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Figure 49

Staff housing at the dam site.



Figure 50

Staff housing at the dam site.



Figure 51

Additional sewage lagoon.



Figure 52

Spilt sewage staining on the berm of the lagoon.



Figure 53

Sand quarry in Pit B.



Figure 54

Sand quarry in Pit D.





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Figure 55

Gravel quarry in Pit W.



Figure 56

Gravel quarry in Pit W.

