



Telephone: 867-678-6698  
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August 30, 2016

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

**Attention: Joshua Clark, Environmental Analyst**

**File Number N3L8-1838**  
**Type of Operation CLASS B - MISCELLANEOUS**

Dear Mr. Clark,

A first inspection of the Northwest Territories Power Corporation Water Licence N3L8-1838 (expiry on December 31, 2019) was conducted on August 25, 2016. Enclosed is a copy of the Inspection Report (5 pages) for your review and records.

One non-compliance and some environmental concerns were identified. Please take note of the concerns and associated guidance in the 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,

Philippe Thibert-Leduc  
Water Resource Officer  
Environment and Natural Resources  
Inuvik Region

Cc: Martin Callaghan – Acting Superintendent, GNWT ENR Inuvik Region  
Mardy Semmler – Executive Director, Inuvialuit Water Board  
Bijaya Adhikari – Science and Regulatory Coordinator, Inuvialuit Water Board  
Fred Behrens – Senior Administrative Officer, Hamlet of Aklavik

## MISCELLANEOUS WASTE DISPOSAL INSPECTION REPORT

Enclosure: Miscellaneous Waste Disposal Inspection Report (5 pages)

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MISCELLANEOUS WASTE DISPOSAL INSPECTION REPORT

LICENCE #:	N3L8-1838	EXPIRY DATE:	December 31, 2019
LICENCEE:	Northwest Territories Power Corporation	PREVIOUS INSPECTION:	N/A
COMPANY REP:	Joshua Clark, Environmental Analyst	INSPECTION DATE:	August 25, 2016

GENERAL CONDITIONS/REPORTS/PLANS

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

C &R Plan	N/I	Records & Reporting	N/I	Final Report	N/A
Geotechnical Inspection	N/A	Posting, Signage	A	Contingency Plan	A
Restorations Activities	N/A1	Spills	A	O&M Plan	N/A
Maintenance	U <sup>1</sup>	Modifications	N/A	Annual Report	N/A

General Condition Comments:

- On Aug 25, 2016, Water Resource Officer (Inspector) Philippe Thibert-Leduc conducted a first inspection of Water Licence N3L8-1838 in Aklavik, which came into effect on August 15, 2016.
- August 25, 2016 forecast was mainly clear and a high of 18°C and low of 4°C, with no precipitation. Total precipitation for the region in the last 30 days was approximately 37.5 mm.
- A Northwest Territories Power Corporation (NTPC) representative was on site at the time of the inspection and unlocked the main gate so that the site could be inspected.
- It is understood that the project (i.e. construction of the lined berm) is currently post-poned to next year due to equipment and materials not being shipped via barge this year. The site was inactive however contaminated materials were stored at the site already.
- No environmental concerns were observed regarding solid wastes or run-off.
- Overall, the site was well restricted with good signage, and completely fenced off and kept under lock (Figure 1).
- <sup>1</sup>There were a few dozen bulk bags of contaminated soil and wood stored at the northwest corner of the site (Figure 2). At the time of the inspection, there was a noticeable smell of hydrocarbons in the air inside and outside of the site. The smell likely originated from open bulk bags not being properly sealed and tied off (Figure 3). The majority of the bags on site were in this state and will have to be properly contained as soon as possible before further rainfall and eventual freeze-up. In their current state, the bags are not properly containing all contaminated wastes and as such this creates nuisance for nearby residents, and presents a considerable risk for hydrocarbons and other contaminants to migrate outside of the containers into the surrounding environment. No sheen or discoloration of nearby waters could be observed at the time of the inspection so it appeared that the contaminants had not yet migrated.
- There was standing water pooling adjacent to the bulk bags and other areas of the site (Figure 4). This will need to be monitored to ensure that the water does not escape the site, especially following major rainfall events and spring thaw. A diversion berm should be considered if controlling water run-off becomes a challenge.
- There were 8 plastic bulk container totes stored at the southwest corner of the site (Figure 5). It was unclear what was in those plastic totes as the chemicals information was illegible at the time of the inspection. One top-lid was also taken off and had to be put back on the container at the



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time of the inspection by the NTPC representative. Please ensure that the contents of these plastic totes are well understood and that all containers are properly labeled and sealed at all times.

- There was one stockpile of soil towards the southeast corner of the site (Figure 6). It was unclear whether this soil was contaminated.
- No spill kit could be observed at the site at the time of the inspection however it is understood that spill kits are stored at the Aklavik Power Plant Facility as per the Spill Contingency Plan and that NTPC employees are well trained in spill response.

### MATTERS FOR FOLLOW UP

- Ensure that the bulk bags of contaminated materials are properly sealed and tied off as soon as possible, **and notify the Inspector as soon as this is completed.**
- Ensure that all chemicals/hazardous wastes stored on site are labeled and well understood.
- Ensure that the site is inspected regularly to monitor for any spills, leaks or seepage from the hazardous wastes stored on site, especially during major rainfall events and spring melt.
- Ensure that run-off and standing water are contained within the site at all times.

### NON-COMPLIANCE/VIOLATIONS OF ACT OR LICENCE

- Part C: Conditions Applying to Waste Disposal, Item 6,  
"The Licensee shall contain all contaminated soil in such a manner as to minimize the potential for migration of contaminants into any waters to the satisfaction of the Inspector."

Inspector's Signature: \_\_\_\_\_

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INSPECTION IMAGES

Figure 1

View of the NTPC site from Gardlund Road, looking northeast.

Figure 2

Bulk bags of contaminated materials located at northwest corner of the site.





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Figure 3

Majority of bulk bags were generally not sealed/tied off properly.



Figure 4

Standing water adjacent to bulk bags.







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Figure 5

Plastic totes located southwest corner of the site – MSDS/information sheets illegible.



Figure 6

Stockpile at the southeast corner of the site.

