



Aboriginal Affairs and
Northern Development Canada

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Affaires autochtones et
Développement du Nord Canada

<http://www.aadnc-aandc.gc.ca>

North Mackenzie District
P.O. Box 2100
Inuvik, NT X0E 0T0

Telephone: 867-777-8900
Fax: 867-777-2090

December 13, 2013

Northwest Territories Water Board
P.O. Box 2531
Inuvik, NT X0E 0T0

Attn: Freda Wilson, Office and Finance Administrator

**RE: INDUSTRIAL Water Use N7L1-1834
CLASS B – INDUSTRIAL
Camp Farewell
Mackenzie River**

Dear Ms. Wilson,

Please find the enclosed Inspection Report for your review and records.

An electronic copy (un-editable Adobe pdf.) has also been provided by e-mail.

If you have any questions or concerns regarding the enclosed, and/or if additional information is required please contact me at (867) 777-8909.

Sincerely,

Jan Davies
Water Resource Officer

Cc: Conrad Baetz, District Manager, North Mackenzie District, Inuvik, NT

Enclosure: Industrial Water Use Inspection Report and Cover Letter (5 pages)



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December 13, 2013

Shell Canada Energy
400 - 4th Avenue S.W.
P.O. Box 100, Station M
Calgary, AB T2P 2H5

Attn: Randall Warren

**RE: INDUSTRIAL Water Use N7L1-1834
CLASS B - INDUSTRIAL
Camp Farewell
Mackenzie River**

Dear Mr. Warren,

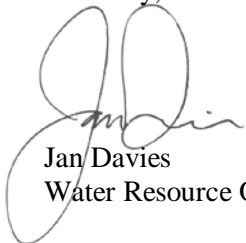
An inspection of the Shell Canada Ltd. Water Licence N7L1-1834 (expiry on July 17, 2017) was conducted on July 31, 2013. The operation under the above mentioned Industrial Water Use was inspected to assess compliance and ensure that the terms and conditions were met. Enclosed is a copy of the Inspection Report (4 pages) for your review and records.

There were no violations identified during the course of this Inspection. Please review and address the concerns and other items throughout the Inspection Report.

Please note that it is the Licensee's responsibility to ensure compliance with all of the terms and conditions of its Water Licence. A copy of this report will be sent to the Northwest Territories Water Board for their review and public records.

If you have any questions regarding the enclosed and/or if additional information is required, please do not hesitate to contact me at (867) 777-8909.

Sincerely,



Jan Davies
Water Resource Officer

Cc: Conrad Baetz, District Manager, North Mackenzie District, Inuvik, NT

Enclosure: Industrial Water Use Inspection Report (4 pages)



INDUSTRIAL WATER USE INSPECTION REPORT

LICENCE #:	N7L1-1834, Camp Farewell	EXPIRY DATE:	July 17, 2017
LICENCEE:	Shell Canada Energy	PREVIOUS INSPECTION:	New
COMPANY REP:	Randall Warren	INSPECTION DATE:	July 31, 2013

WATER SUPPLY

Source:	Mackenzie River	Quantity Used:	N/I
Owner/Operator:	Shell Canada Energy	Meter Reading:	N/I

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

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

Water Supply Comments:

- John Wurmlinger barge was being used for the the camp and the associated water supply facilities were not inspected.

WASTE DISPOSAL – SEWAGE

Disposal Method	N/I						
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	sewage lagoon				

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

Discharge Quality	A	Decent Process & Structures	A	Discharge Measurement Device	N/I
Freeboard	N/A	Sludge Disposal Method	N/A		
Periods Of Discharge	Summer, in preparation for decommissioning site			SNP Samples Collected	A
Effluent Discharge Rates	N/A				

Sewage Comments:

Notes:

- John Wurmlinger barge was being used for the camp and the associated sewage facilities were not inspected.
- At the time of inspection the former sewage lagoon was being excavated as part of the process for the decommissioning of the lagoon site. The water contained in the former sewage lagoon was sampled and found acceptable prior to discharge.
- Tervita was on site managing the contaminated soil removal. There were 1600 super sacks plus additional sea crates for a total of 2000 tonnes of soil and waste material being stored for removal from the site. Super sacks are being shipped out on barges.
- Excavation of soil from the former sewage lagoon has gone well. There was additional soil contamination found but it was being followed and excavated until the extent of the contamination was found. Debris has been found while excavating contaminated soil.
- Backfill of the excavation will occur with excess material from the site such as the airplane runway (airstrip).

WASTE DISPOSAL – SOLID WASTE

Disposal Method	landfill						
Open Dump	N	Landfill	Y	Burn & Landfill	Y	Underground	N



INDUSTRIAL WATER USE INSPECTION REPORT

Offsite Removal	N	Other	N/A
Owner / Operator	Shell Canada Energy		

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

Runoff Diversion	N/A	SNP Samples Collected	N/A
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Solid Waste Comments:

- Solide waste being disposed of by landfill.
- Waste wood on site being put in burn bin. Fiberglass insulation present in the waste wood burn bin. This material is unacceptable for burning. Please ensure only approved materials are burned.

FUEL STORAGE

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

Owner:	Shell Canada Energy	Operator:	Shell Canada Energy	Condition of tanks:	A
Berms & Liners	A	Water within Berm:	No	Evidence of Leaks:	None
Drainage Pipes	N/I	Pump Station and Catchment Berm	N/I	Runoff Diversion	N/A
Pipeline Condition	N/A				

Fuel Storage Comments:

- Fuel tank being used for diesel, bermed around it and located behind Camp Farewell main building.

GENERAL CONDITIONS/REPORTS/PLANS

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

C &R Plan	A	Records & Reporting	A ^{1,2}	Final Report	N/A
Geotechnical Inspection	N/A	Posting, Signage	N/I	Contingency Plan	A
Restorations Activities	A	Spills	A	O&M Plan	A
Maintenance	A	Modifications	N/A	Annual Report	A ^{1,2}

General Condition Comments:

Concerns:

1. A 2013 Summary Report has been submitted which summarizes the water use and disposal at Shell's Camp Farewell site in 2013. There appears to be some information that is lacking based on the Sewage Lagoon remediation activities that occurred during the 2013 summer season. Additionally with the camp and associated water and waste operations there needs to be clarification as to what water was used and any waste discharged under the authority of the Shell Camp Farewell Water Licence. Please clarify on the additional water usage and waste disposal.

While this report has been informative it is unknown if this is supposed to serve as the 2013 Annual Report or not. As an Annual Report it would need to comply with Part B: General Conditions: Item 1 which would need to include among others details on the restoration of any Sumps, a summary of any abandonment and restoration work completed, any anticipated work and the kinds of information pertaining to water usage and waste disposal.

2. For the 2012 Annual Report it was also noticed that the format was inconsistent with how Annual Reports are usually submitted to the Northwest Territories Water Board in that it does not allow for an easier and more efficient display of the information required by the Water Licence. Typically an Annual Report has each item under Part B: General Conditions: Item 1 systematically listed, which in this case are items (a) through (m) and then the corresponding information immediately displayed or referred to within the document or the report.

This format ensures simple and easy reference to what items were required. It would be advised for this format to be used for the Annual Report which is to be submitted for this project. This ensures the Annual Report and its associated information is clear and concise on what activity has occurred on site and further reduces the risk of any items or information being left out or missed. This would also allow for easier and future reference when an audit is conducted for final closure of the file in the future.



INDUSTRIAL WATER USE INSPECTION REPORT

Notes:

- Sewage lagoon was in the process of being excavated and there was further contamination identified on site. For further details see the Sewage Waste Disposal section above.

NON-COMPLIANCE/VIOLATIONS OF ACT OR LICENCE

N/A

Inspector's Signature:





INDUSTRIAL WATER USE INSPECTION REPORT

Inspection Images:

Figure 1

Aerial view of Camp Farwell and the remediation program for the sewage lagoon excavation including the John Wurmlinger barge used for camp accommodations.



Figure 2

1600 super sacks and sea crates for contaminated soil from the sewage lagoon excavation.



Figure 3

Aerial view of excavation for the sewage lagoon and immediate area.



Figure 4

Extent of the pit for the sewage lagoon excavation.



Figure 5

Discharge line and area for the standing water in the excavation pit.



Figure 6

Burn bin full of waste wood. Insulation seen present and is not acceptable for burning. Please ensure only approved materials are burned.

