



Aboriginal Affairs and  
Northern Development Canada

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

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

March 29, 2014

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

**Attn: Freda Wilson, Office and Finance Administrator**

**RE: INDUSTRIAL Water Use N7L1-1777  
CLASS B – INDUSTRIAL  
Itiginkpac F-29  
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 (4 pages)



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March 29, 2014

Devon Canada Corporation  
2000, 400 - 3rd Avenue S.W.  
Calgary, AB T2P 4H2

**Attn: Dave Karg**

**RE: INDUSTRIAL Water Use N7L1-1777  
CLASS B – INDUSTRIAL  
Itiginkpac F-29  
Mackenzie River**

Dear Mr. Karg,

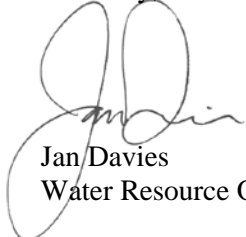
An inspection of the Devon Canada Corporation Water Licence N7L1-1777 (expiry on December 31, 2004) was conducted on August 26, 2013. The operation under the above mentioned Industrial Water Use was inspected to assess compliance and ensure that the terms and conditions were met. Enclosed is a copy of the Inspection Report (3 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) 777-8900.

Sincerely,



Jan Davies  
Water Resource Officer

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

Enclosure: Industrial Water Use Inspection Report (3 pages)



INDUSTRIAL WATER USE INSPECTION REPORT

LICENCE #:	N7L1-1777, Itiginkpac F-29	EXPIRY DATE:	December 31, 2004
LICENCEE:	Devon Canada Corporation	PREVIOUS INSPECTION:	New
COMPANY REP:	Dave Karg	INSPECTION DATE:	August 26, 2013

WATER SUPPLY

Source:	Mackenzie River	Quantity Used:	N/A
Owner/Operator:	Devon Canada Corporation	Meter Reading:	N/A

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

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

Water Supply Comments:  
N/A

WASTE DISPOSAL – WELL WASTE

Disposal Method		Drilling Sump							
Off-Site Removal	N	Drilling Sump	Y	Downhole Injection	N	Treat and Landsread	N	Other	N/A

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

Sump Liners	N/A	Sump Treatment	N/A	Freeboard	N/A
Erosion	U	Construction	N/A		
SNP Samples Collected	N/A				

Well Waste Comments:  
Concerns:  
- Site has two subsidence areas in the southeast and northwest corners ranging in depth from 30 - 50 cm.  
- Need to be filled in to prevent further subsidence and destabilization. Filled with water they could act as further heat sinks for further thermal degradation of permafrost.  
  
Note:  
- Site appears otherwise stable and well drained.

WASTE DISPOSAL – SOLID WASTE

Disposal Method		Landfill						
Open Dump	N	Landfill	Y	Burn & Landfill	N	Underground	N	
Offsite Removal	N	Other	N/A					
Owner / Operator	Devon Canada Corporation							

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



INDUSTRIAL WATER USE INSPECTION REPORT

Runoff Diversion	N/A	SNP Samples Collected	N/A
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Solid Waste Comments:  
- Site was clean of debris

GENERAL CONDITIONS/REPORTS/PLANS

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


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

General Condition Comments:  
- Site vegetation cover at 25-30%  
- Surrounding vegetation of site appears acceptable  
- Access trail to site and drainage ditch appears acceptable for vegetation

NON-COMPLIANCE/VIOLATIONS OF ACT OR LICENCE

N/A

Inspector’s Signature:





INDUSTRIAL WATER USE INSPECTION REPORT

Inspection Images:

**Figure 1**  
Aerial view of sump and drainage ditch, facing south.



**Figure 2**  
Aerial view of sump showing subsided areas with ponded water, facing west.



**Figure 3**  
Subsidence in northwest corner of sump.



**Figure 4**  
Subsidence in southeast corner of sump.

