



P.O. Box 1500
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X1A 2R3

July 20th 2016

Imperial Oil Resources N.W.T. Limited – Norman Wells Operations
Bag Service 5000
Norman Wells, NT
XOE 0V0

Attention: Ms. Lindsay Hollands

RE: Water Licence S13L1-007 – Norman Wells Proven Area – Inspection

Dear Ms. Hollands,

An inspection of the Imperial Oil Resources N.W.T. Limited Norman Wells Proven Area project was completed by Resource Management Officer Tim Morton and Devin Penney on July 8th 2016. The inspection was conducted to ensure compliance with the terms and conditions of the water licence and approved management plans. The Inspector was accompanied by Ms. Lindsay Hollands (Imperial Oil).

The Inspector was pleased with the results of the operation as no concerns were noted during the inspection. The sample results from the onsite sampling that occurred have not been received and future follow up will occur if needed. The environmental inspection report is attached along with pictures of the site that were taken during the inspection. If you have any questions or concerns please contact me at (867) 669-2442.

Your cooperation is expected and appreciated.

Thank you,

Tim Morton
Resource Management Officer (Inspector)
Resource and Lands Division
Aboriginal Affairs and Northern Development Canada

cc. SLWB
Devin Penny - AANDC



WATER LICENCE ENVIRONMENTAL INSPECTION REPORT

Licensee:	Imperial Oil Resources N.W.T. Limited Inspection Date – July 8 th 2016
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Water Licence No.	S13L1-007	Last Previous Inspection:	December 16 th 2015
Quantity of water not to be exceeded:	16,000 Cubic Meters / Day	Licence Expiry Date:	March 4 th 2025
Contractor:		Subcontractor:	

Location(s) Inspected:	Mainland Norman Wells Proven Area
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Current Stage of Operation:	Operational
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Program Modifications Approved:	N/A
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Compliance with Items: “A” - Acceptable “U” - Unacceptable “N/A” - Not Applicable

Part	Licence Items	Compliance with Items	Item # and Comments
A	Scope	A	
B	General Conditions	A	#1 – Acceptable #2 – N/A #3 – Acceptable #4 – Acceptable #5 – N/A #6 – N/A #7 – Acceptable #8 – N/A #9 – Acceptable #10 – Acceptable #11 – Acceptable #12 – N/A #13 – N/A #14 - Acceptable



C	Conditions Applying to Security	N/A	#1 – N/A #2 – N/A #3 – N/A #4 – N/A #5 – N/A
D	Conditions Applying to Water Use	A	#1 – Acceptable #2 – Acceptable #3 – Acceptable #4 – Acceptable
E	Conditions Applying to Waste and Water Management	A	#1 – Acceptable #2 – Acceptable #3 – N/A #4 – N/A #5 – N/A #6 – Acceptable #7 – Acceptable #8 – N/A #9 – Acceptable #10 – Acceptable #11 – Acceptable #12 – Acceptable #13 – Acceptable #14 – Acceptable #15 – Acceptable #16 – Acceptable
F	Conditions Applying to Operations and Maintenance	A	#1 – N/A #2 – Acceptable #3 – Acceptable



			#4 – Acceptable #5 – N/A #6 – N/A
G	Conditions Applying to Modifications	A	#1 – Acceptable #2 – N/A #3 – N/A
H	Conditions Applying to Contingency Planning	A	#1 – Acceptable #2 - Acceptable #3 – N/A #4 – Acceptable #5 – N/A #6 – Acceptable #7 – Acceptable
I	Aquatic Effects Monitoring Program	N/A	#1 – N/A #2 – N/A #3 – N/A (Due April 30 th 2017)
A	Conditions Applying to Closure and Reclamation	A	#1 – N/A #2 – N/A #3 – Acceptable #4 – N/A #5 – N/A



ENVIRONMENTAL INSPECTION REPORT Pg. 4 (Continued)

Date: July 8 th 2016	Licence #: S13L1-007
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Explanatory Remarks	
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An inspection of the Norman Wells Proven Area was completed by Resource Management Officer Tim Morton and Devin Penney on July 8th 2016. Accompanying the Inspectors during the inspection was Lindsay Hollands (Environment and Regulatory Advisor - Imperial Oil). This inspection was conducted to ensure compliance with the applicable terms and conditions of the water licence and management plans.

NT/NU Spill Report 16-248 – Photos 1 & 2

On July 2nd 2016 an operator discovered that a release from the salt bath heater in the plant had started to leak. The spill was contained within the building and there was no risk to the surrounding environment.

NT/NU Spill Report 16-153 – Photos 3 & 4

On May 5th 2016 a spill report was received stating that there was a breach in the berm separating LT11 basin from Bosworth Creek. The amount of product released was unknown at the time and samples were taken to determine if there was an exceedance of the water licence parameters. Initial sample results indicated that there were elevated total petroleum hydrocarbons. This result was flagged as unusual since there have never been hydrocarbons detected in the basin in the past. Further samples were taken which showed that there were in fact no hydrocarbons in the basin. Imperial Oil staff determined that the first samples indicated hydrocarbons due to contamination of the samples by the person conducting the sampling of the basin. In response to the incident, Imperial Oil has raised the road/berm between the basin and the creek to ensure that no further breaches occur.

Samples were taken at SNP station S13L1-007-2 by the Inspectors. Sample results have not yet been received from the Taiga Lab.

Overall the Inspector was pleased with the operations on the site as no concerns were noted during the inspection.

Completed off Site
Representative's Signature

Tim Morton
Inspector

Original Signed
Inspector's Signature



Photo #1: Location of spill NT/NU #16-248 within the plant



Photo #2: View of the ground under the building where spill #16-248 occurred. Note there is no sign of the spill reaching the surrounding environment.



Photo #3: Overview of spill #16-153 location



Photo #4: View of the road between LT11 basin and Borsworth Creek.



Photo #5: SNP signage located at the discharge of the backwash pond to the Mackenzie River