



WATER LICENCE INSPECTION FORM

☒ Original
☐ Follow-Up Report

Licensee	Licensee Representative
Transport Canada – Government of Canada	Michael Molinski
Licence No. / Expiry	Representative's Title
1BR-LTU1419 (renewed) exp June 11, 2019	Environmental Officer
Land / Other Authorizations	Land / Other Authorizations
Date of Inspection	Inspector
October 16 th , 2014	A.Keim
Activities Inspected	
<input type="checkbox"/> Camp <input type="checkbox"/> Drilling <input type="checkbox"/> Mining <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Reclamation <input type="checkbox"/> Fuel Storage <input type="checkbox"/> Roads/Hauling <input type="checkbox"/> Other: Water Discharge <input type="checkbox"/> Other: Municipal	

Conditions: **A - Acceptable** **C - Concern** **U - Unacceptable** **NA – Not Applicable** **NI – Not Inspected**

Water Use			Site Conditions			Haz/Mat Management		
	Condition	Comment		Condition	Comment		Condition	Comment
Intake/Screen	N/A		Water Management Structures	A		Storage	A	
Flow Measure. Device	N/A		Culverts / Bridges	N/A		Spills	N/A	
Source:	N/A		Drainage	N/A		Spill Plan	A	
Water Use:	N/A	1	Erosion / Sediment	N/A				
Recirculation (y /n)	N/A		Mitigation Measures	A		Administrative		
			Reclamation Activities	A	1	Records	A	
			Materials Storage	N/A		Reports	A	
Waste Disposal			Signage	N/A		Plans	A	
Waste Water	N/A	1				Notifications	A	
Solid Waste	A		Monitoring			Other		
Hazardous Waste	A	1	Sample Collection / Analysis	A	1			

**The number in the comments field will correspond with specific comments provided below.*

Samples taken by Inspector: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Location(s): 16 corresponding soil samples were collected by the Licensee during the period of the Inspection. One sample from the floor of the excavation and second from the material remaining in the berm wall above the floor of the excavation. One additional confirmatory sample was collected at the North end of cell C
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SECTION 1	<input checked="" type="checkbox"/> Comments (s.____)	<input type="checkbox"/> Non-Compliance with Act or Licence (s.____)	<input type="checkbox"/> Action Required (s.____)
Administration:			
<p>The Iqaluit Airport has been in continual use and operation since its construction for use as a military base in the 1940's. In The early 1960's the American Military vacated the site and the Airport was turned over to the Government of Canada and was operated as a civilian airport by Transport Canada (TC) until 1995 when the Government of Canada turned the operations and ownership of the facility over to the then Government of the Northwest Territories with the understanding and agreement that contamination that existed within the facility at the time of the transfer would be the responsibility of the Government of Canada to remediate.</p> <p>Since this time a number of remediation projects within the footprint of the Iqaluit Airport facility have been undertaken including the collection and consolidation of Hydrocarbon contaminated soils from the Apron area into Land treatment units. This work was initiated and by TC under the terms of the Transfer Agreement. This work has been on-going since 2006.</p> <p>Over the years a total of four cells (two cells originally constructed in 2006-2008 and two newer cells) were constructed. The initial two were ultimately removed and the materials consolidated into the two more recently constructed cells. These remaining cells were actively managed by TC under the Authority of a Water License (1BR-LTU0608- renewed as 1BR-LTU1013 and finally as 1BR-LTU1419).</p> <p>In 2014 the Nunavut Water Board (NWB) received from Transport Canada an application for renewal the Water License for this activity. This application was subsequently reviewed by regulators and approved on June 12th, 2014.</p> <p>Between 2012 and 2014 Inspectors from Aboriginal Affairs and Northern Development Canada (AANDC) have visited the site to complete Inspections on associated works undertaken by TC under the same program but separate licensing. An Inspection of the Land Treatment Unit (LTU) facilities was not formally conducted during this period however Inspectors were on site a number of times during both the construction and on-going operation phases.</p> <p>On July 23, 2014 during the review of a related project AANDC and TC officials became aware that agents working for the Government of Nunavut involved with the on-going Iqaluit International Airport (IIA) up-grading and construction project had removed the approximately 5000 cubic meters of contaminated soils and berm construction material from the site of the Licensed LTU's. This material was subsequently spread as fill material across the proposed footprint of the expanded Apron for the IIA project. This was done without the approval of the Government of Canada (TC).</p> <p>Following this, at the request of AANDC Inspectors, the IIA project proponents contacted the Nunavut Water Board and in consultation it was determined that a Water License for this activity was required and that in the absence of this License an offence under the Act had occurred.</p> <p>The IIA Proponents including the contractors involved and the Government of Nunavut are currently working with the Nunavut Water Board on the submission of an application for a Water License to allow these works to continue in compliance with the relevant legislation.</p> <p>Following this meeting of July 24th AANDC inspectors visited the site of the LTU's to determine if Hydrocarbon contamination remained on site and to work with all parties to secure the over 5000 Cubic meters of contaminated soils. In a working agreement and under the authority of a Voluntary Abatement order the Government of Nunavut and the Contractor on site agreed to construct a new Land farm facility and reconstitute the contaminated soils within it until such time as a Water License for the continued work on the</p>			



project could be approved by the NWB.

On October 16th an AANDC Inspector attended the site of the TC LTU's to observe the removal of an additional 400 plus cubic meters of Contaminated soils that remained on site following the leveling of the facility in July.

During this period of time the Inspector recorded and photographed the work of agents working for TC who removed over 20 truckloads of contaminated soils from the floor and berm wall of Cell C of the LTU.

The Inspector then remained on site and was present during the sampling of both the wall of the berm and the floor of the cell to ensure no contaminated soils remained on site.

On October 23rd 2014, the contractor working for TC who had collected the samples following the work done to remove the remaining contaminated soils submitted to the AANDC inspector the sampling results including a Certificate of Analysis, scanned Chain of Custody forms and QA/QC information from PARACEL Labs, Ottawa Ontario.

AANDC conducted a review of the sampling results provided to this office and that of the Nunavut Water Board. The Inspector is satisfied that the result provided show that the samples have tested below the criteria set out in the issued license.

Following this review, on December 31st, 2014 Transport Canada submitted an Application for License Cancellation to the Nunavut Water Board. The Nunavut Water Board, on February 11th, 2015 following an administrative review and completeness check sent the application to regulators including AANDC for comment and recommendations.

Water Usage:

No water use was authorized nor observed by the AANDC Inspector while on site.

Waste Disposal:

The AANDC inspector did not identify any waste discharge from the site during any inspection or visit to the site.

Following the Inspection conducted in October of 2016 no obvious contamination or hydrocarbon contaminated soils associated with the Transport Canada Land Treatment facility noted on site.

SECTION 2	<input checked="" type="checkbox"/> Comments (s.__)	<input type="checkbox"/> Non-Compliance with Act or Licence (s.__)	<input type="checkbox"/> Action Required (s.__)
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Based on observations gathered during the Inspection carried out on October 16th, 2014 the Inspector can verify that the original Land Treatment Unit has been leveled and the contaminated soils originally contained within it are no longer present.

The contaminated soils are now consolidated 300 meters to the west in a constructed retention cell. This cell was constructed by the Government of Nunavut and the Iqaluit International Airport Authority.

Given the removal of the soils, the loss of the original Treatment cell, the final remediation completed by Transport Canada and based on a review of sample results submitted to the Inspector and the NWB, the Inspector can confirm that the site is as close to the conditions found when construction of the facility was initiated, and as is reasonable to expect in the circumstances.

Given that these fact the Inspector defers to the Nunavut Water Board on a determination as the closure of



the Issued license and the remediation of any soils that remain to be addressed.

SECTION 3

☐ Comments (s.____)

☐ Non-Compliance with Act or Licence,
(s.____)

☐ Action Required
(s.____)

[Click here to enter text.](#)

Photo Log

Date	Authorization	Camera	Inspector
October 16 2014	1BR-LTU1419	Sony Cyber shot	A. Keim



Figure 1 Sept 26th Original Location of Cell D Sept 26th 2014



Figure 2 Remaining Berm Wall from Cell C – Sept 26th 2014



Figure 3 Roadway constructed after the removal of the land treatment units - Sept 26 2014



Figure 4 Excavation work on October 16th 2014



Figure 5 Site of excavation on October 16th 2014



Figure 6 Locations of where the confirmatory samples were collected and then marked.

Licensee or Representative	Inspector's Name
	A.Keim
Signature	Signature
	Original On File
Date	Date
	March 30 2015

Office Use Only:	Follow-up report to be issued by Inspector	<input type="checkbox"/> Yes <input type="checkbox"/> No
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