



WATER LICENCE INSPECTION FORM

☒ Original
☐ Follow-Up Report

Licensee		Licensee Representative	
Real Property and Security Directorate Environment and Climate Change Canada Government of Canada jean-philippe.cloutier-dussault@canada.ca		John MacIver Aerological and Surface Operational Programs Atmospheric Monitoring Section Meteorological Service of Canada Environment Canada 123 Main Street,- Suite 150 Winnipeg (Manitoba) R3C 4W2 john.maciver@ec.gc.ca	
Licence No. / Expiry		Representative's Title	
3BC-EUR1116 (Expired)		Station Program Manager - Eureka	
Land / Other Authorizations		Land / Other Authorizations	
N2012N0012		Nil	
Date of Inspection		Inspector	
July 12, 2016		A.Keim	
Activities Inspected			
<input checked="" type="checkbox"/> Camp <input type="checkbox"/> Drilling <input type="checkbox"/> Mining <input checked="" type="checkbox"/> Construction <input 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		Condition	Comment	Site Conditions		Condition	Comment	Haz/Mat Management		Condition	Comment
Intake/Screen	A			Water Management Structures	A			Storage	A		
Flow Measure. Device	A			Culverts / Bridges	A			Spills	A		
Source: Station Creek	A			Drainage	A			Spill Plan	A		
Water Use:	A			Erosion / Sediment	A						
Recirculation (y /n)	A			Mitigation Measures	A			Administrative			
				Reclamation Activities	A			Records	A		
				Materials Storage	A			Reports	A		
Waste Disposal				Signage	A			Plans	A		
Waste Water	A							Notifications	NA		
Solid Waste	C			Monitoring		Other					
Hazardous Waste	A			Sample Collection / Analysis	A						
*The number in the comments field will correspond with specific comments provided below.											
Samples taken by Inspector:				Location(s): Samples of both the Raw water and effluent from the lagoon were collected during the Inspection.							
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No											

SECTION 1	<input checked="" type="checkbox"/> Comments (s. __)	<input type="checkbox"/> Non-Compliance with Act or Licence (s. __)	<input type="checkbox"/> Action Required (s. __)
<p>No issues were found with respect to the camp as it relates to the information contained within the current license. The current license expired on June 7, 2016. A renewal application has been submitted to the NPC but it is unclear at this time due to a required amendment for quarrying activities on site and adjacent to the current Land Use permit where the application is in the process.</p> <p>The license, as applied for in the renewal application, remains a Type “B” license classed for Water use, Waste Disposal and fuel storage and handling activities at the facility. It is also noted that an application amendment in process to allow for works to be undertaken to modify and enhance the infrastructure in place within the boundaries of the Reserve Lands (and possibly beyond to source gravel). Works to take place include; Expansion/ reconstruction of the lagoon, construction of a new building, pad and lay down enhancements, road way resurfacing and reconditioning of the runway.</p> <p>Eureka obtains its water for domestic purposes from Station Creek. The water is pumped from Station Creek into the water reservoir using a submersible pump in order to reduce the transfer of silt from the creek to the reservoir. The raw water is then treated by filtration and Reverse Osmosis prior to use for drinking and food preparation. The volume of water in the reservoir collected annually must be sufficient to supply the Eureka’s needs throughout the year. It is estimated that the reservoir holds approximately 12,000 m3 of water.</p> <p>During the application process a number of questions regarding the use of water and any increased use of water would be required during the construction activities. The information supplied indicates that the only increase in consumption will be for domestic use however that increase in usage will fit within the allowable limit set in the current (now expired) license.</p>			
SECTION 2	<input checked="" type="checkbox"/> Comments (s. __)	<input type="checkbox"/> Non-Compliance with Act or License (s. __)	<input type="checkbox"/> Action Required (s. __)
<p>During the period of Inspection the following were identified:</p> <ul style="list-style-type: none">Construction equipment including crushers and heavy equipment and Camp infrastructure for the work to be completed is on site however no work is currently underway.Secondary containment at the runway has been addressed.			



- Fuel storage on site (drummed) has secondary containment.
- The reservoir was full at the time of the inspection
- Decanting of the lagoon was undertaken during the visit to allow for sample collection
- The spill behind the large white tanks at the runway (DND) has still not been cleaned up and will be the subject of a direction.
- The solid waste management area was found in good order.

The site was found to be in good order and operating in accordance with the issued but now expired Water License.

Photo Log

Date	Authorization	Camera	Inspector
July 12, 2016	3BC-EUR1116	Sony Cyber shot	A. Keim



Figure 1 View of Station Creek



Figure 2 Station Creek flowing under constructed bridge and intake



Figure 3 Intake- Submersible pump located within the suspended box unit

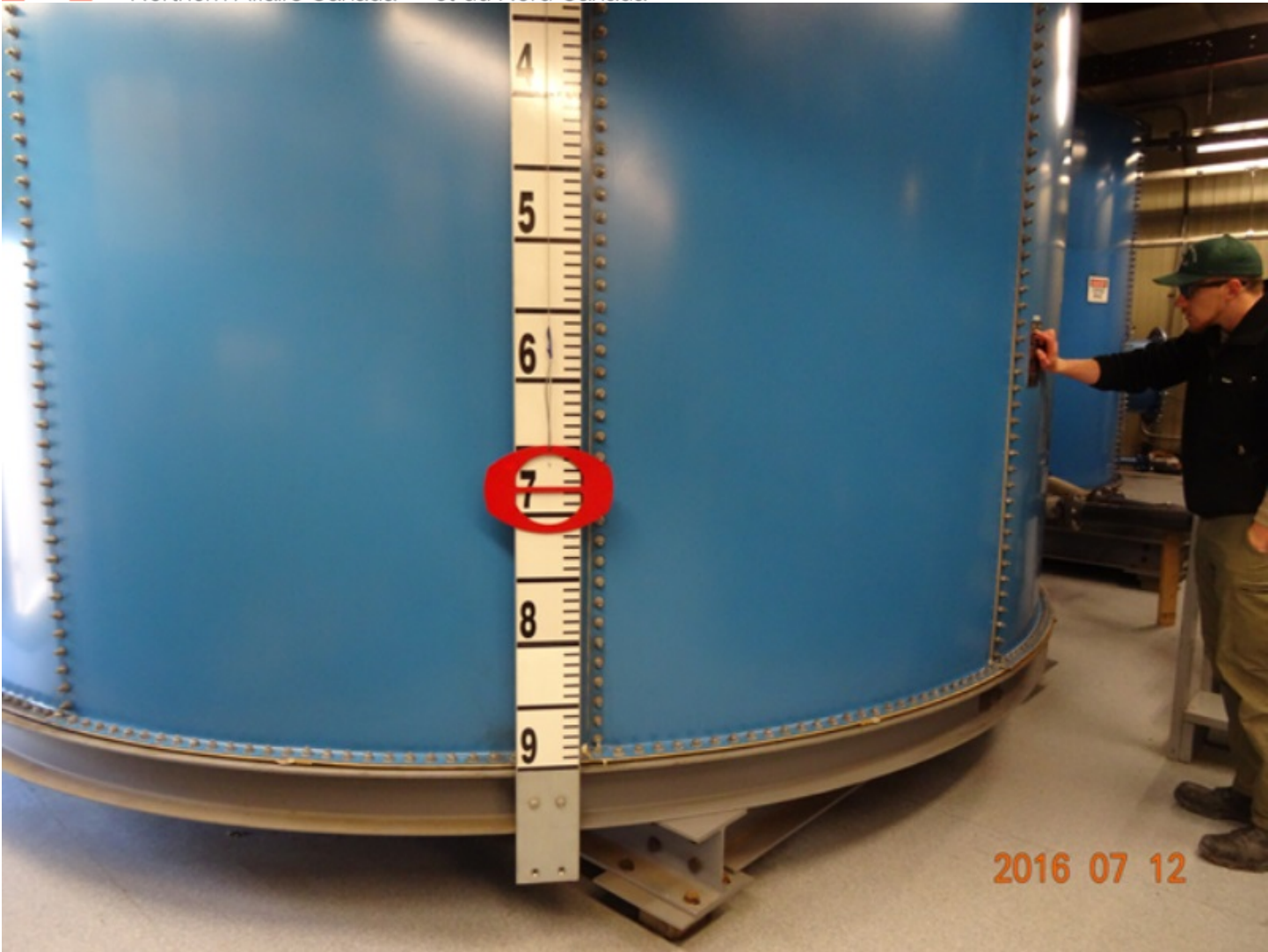


Figure 4 Holding tank - Raw water

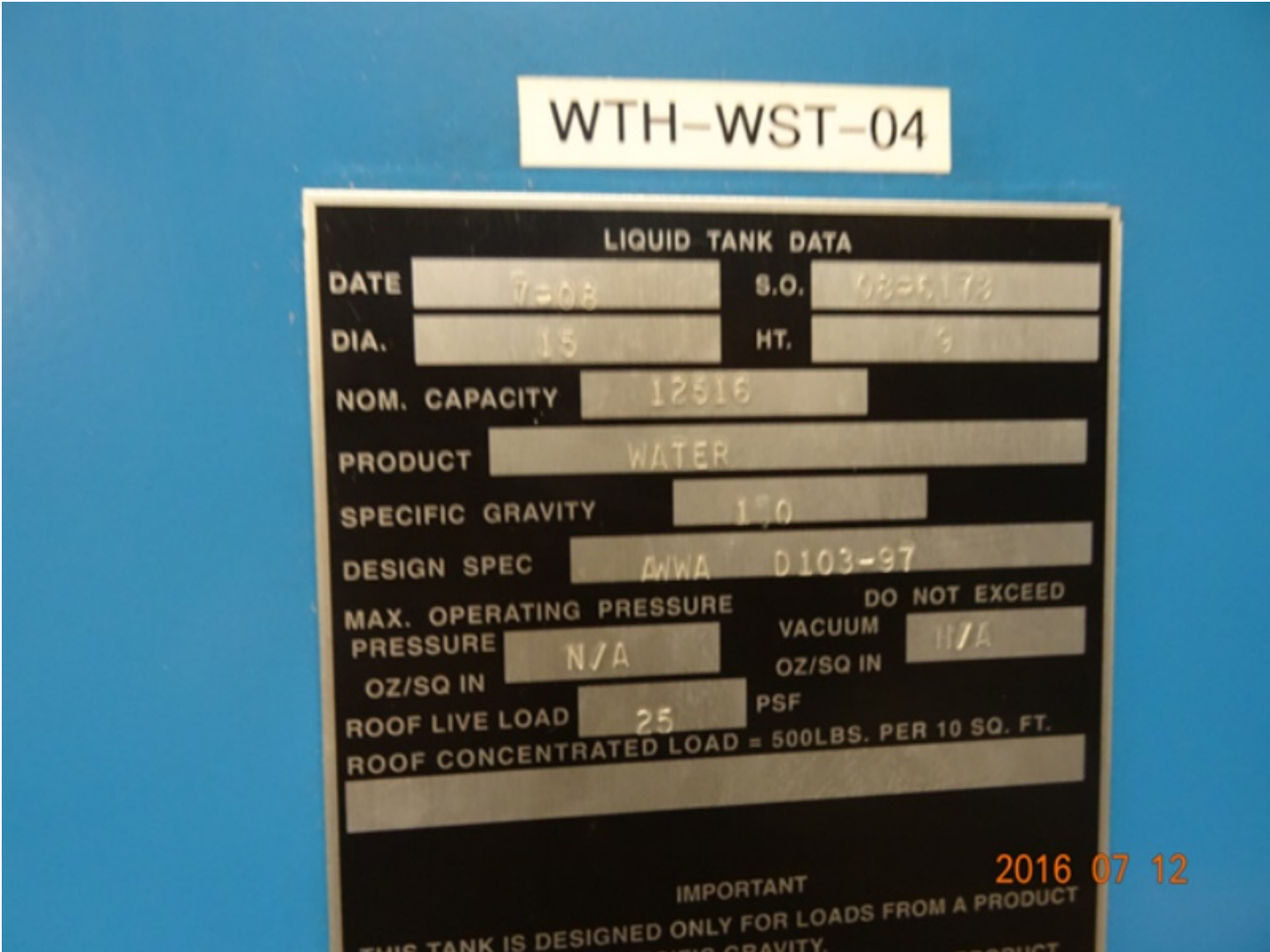


Figure 5 Tank certificate



Figure 6 Chemical storage



Figure 7 Water treatment including reverse osmosis machine



Figure 8 Inconerator



Figure 9 Metal wastes from incinerator



Figure 10 Ash from incinerator



Figure 11 Barrel storage on Secondary Containment



Figure 12 Hazardous wastes segregation at storage area



Figure 13 Barrel storage #2



Figure 14 Barrel crushing / washing unit



Figure 15 Barrel crushing / washing Unit #2



Figure 16 Stockpile of drums to be cleaned/ crushed and buried



Figure 17 Stockpile # 2



Figure 18 Waste Water Lagoon



Figure 19 Discharge from lagoon to Spyder fiord.



Licensee or Representative	Inspector's Name
	A. Keim
Signature	Signature
	On original document
Date	Date
	26/8/2016

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