

## WATER LICENCE INSPECTION FORM

$\boxtimes$	Original	
	Follow-Up	Report

Licensee			Licensee Re	epresentat	ive		
Department of Community Bhabesh Roy –							
Government a	nd Services						
Government o	f Nunavut						
Licence No. / Expiry			Representa	tive's Title			
3BM-RUT1520 Regional Engineer							
Land / Other Authoris			Land / Othe				
•			•				
Date of Inspection			Inspector				
July 7,2016			A.Kein	,			
Activities Inspected			A.Keiii	<u> </u>			
Camp	☐ Drilling	Mining	☐ Cor	struction	Reclamation	☐ Fuel Storag	e
☐ Roads/Hauling	Other: W	ater Discharge	⊠ Oth	er: Munici	pal		
Conditions:	A - Acceptable	C - Concern	U - Unaccept	tabla	NA – Not Applicable	NI Notine	nostod
Water Use	-					NI – Not Ins	-
	Condition			Condition	Comment Haz/Mat Mana		Comment
Intake/Screen	NI		ment Structures	NA	Storage	NA	
Flow Measure. De	evice NI	Culverts / Brid	dges	NA	Spills	NI	
Source: Char Lake	9	Drainage		NA	Spill Plan	А	
Water Use:	Α	Erosion / Sedi	iment	NA			
Recirculation ( y /	/n) A	Mitigation Me	easures	NA	Administrative		
, , ,		Reclamation A		NA	Records	Α	
		Materials Stor		Α	Reports	Α	
Waste Disposal		Signage	. 486	C	Plans	A	
		Signage					
Waste Water	U				Notifications	NA	
Solid Waste	NA	Monitoring	_		Other		
Hazardous Waste	. NA	Sample Collec	ction / Analysis	Α			
	*The numbe	er in the comments field v	will correspond v	vith spec	ific comments provided be	rlow.	
Samples taken by	Inspector:	Location(s): A	ANDC Inspector	s collecto	ed Raw water and effluen	t samples	
⊠ Yes □ No	- 1						
☑ res ☐ No							
		. / ) 🗆 🗆					,
SECTION 1			n-Compliance w		,	Action Required (	
•			sland and is abo	ut 1,550	Km North West of Iqaluit.	The community'	S
current population	on totals less tha	an 200 persons.					
The community of	of Bacaluta Bay i	is an a underground nine	d water and sow	iago cust	om built in the early 1070	's As the system	14/26
					em built in the early 1970 ufficient inflow of waste v		
_		-			year) Over the years the	•	
-	_				pipeline to prevent the pip	•	
					project to replace the origi		
date, have almost					)	c 6 h.h.c.	,
, 	. ,	,					
There is no sewag	ge treatment sy	stem in place in the comi	munity. A mace	rator wa	s used to grind up large pa	articles etc and re	move
There is no sewage treatment system in place in the community. A macerator was used to grind up large particles etc and remove large objects from the discharge however it has been off line for over four years. Therefore the system has and continues to directly							
discharge raw effluent to the shoreline of the Arctic Ocean. Sampling at the outfall continues to pass criteria simply due to the							
volume of water	passing through	the system.					
The Department	of Community a	and Government Services	Government o	f Nunavı	it recently renewed the W	ater License for \	Vater
•	-				nat the Water treatment fa		
potable water to the Airport, and associated buildings (Hotels/ Polar shelf facilities etc) through a separate local contractor via truck services. Sewage wastes from these facilities are deposited in an unlicensed lagoon adjacent to the airport dump. Currently, an							
expired license exists for these facilities issued to the Government of Nunavut – Transportation department but that will soon be							
		ent of Community and Go			•		
Water treatment	services are pro	ovided by Contract in the	community.				
	•	•	-				
		tion were found in good ( ecords were available for		ump hoi	use at the time of the Insp	ection	



Water usage records were not available for review during the Inspection

Chlorination records were present on site

Signage continues to be an issue in the community

Waste water is a direct discharge to the shoreline in from of the community

make all efforts to come into compliance as soon as possible.

- Sewage from community is continuously pumped onto the shoreline in front of town. Obvious nutrient loading is present along shoreline as identified by the algae growing on the ice and on the surface of the water.
- Noted at outfall were; Waste paper, Food particles and other detritus from the outfall.

It is also noted in the 2015 annual report as well as during discussion had during the Inspection that the Government of Nunavut intends to direct the trucked sewage from the airport to the New waste water treatment plant when constructed. This extra volume of sewage being deposited into the foreshore of the community may not meet discharge criteria and should be studied to ensure the extra volume of effluent will not have serious negative effects on the community and the environment.

SECTION 2	Comments (s)	Non-Compliance with Act or Licence (s)	Action Required (s)	
The Government of Nunavut continues to operate in contravention of the terms and conditions contained within renewed license as				
well as those con	tained with the Nunavut Wat	ter and Nunavut Surface Rights Tribunal Act. It is an e	xpectation that the Operator will	

Photo Log			
Date	Authorization	Camera	Inspector
July 7, 2016	3BM-YRBXXXX	Sony Cyber shot	A. Keim

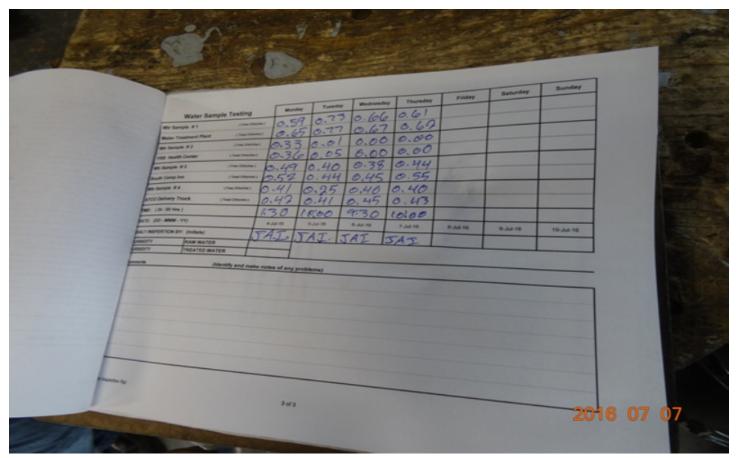


Figure 1 Records at pumping station



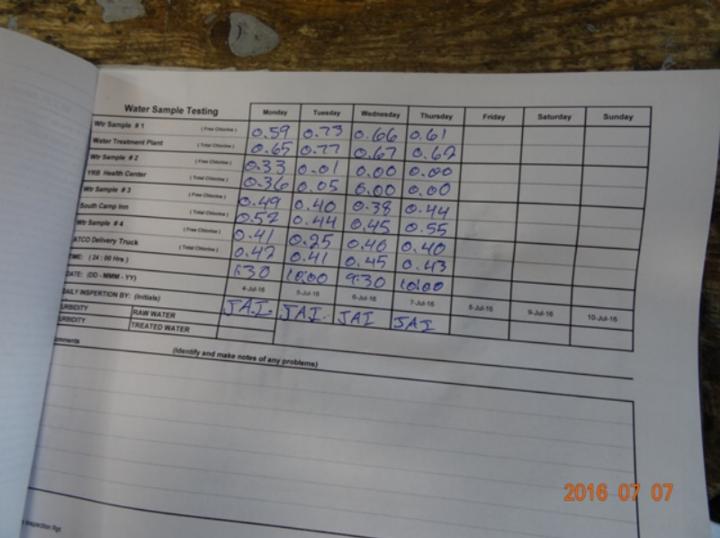


Figure 2Records at pumping station (2)



Figure 3 Chlorine/ chemical storage







**Figure 4 Chlorination system** 



Figure 5 Raw water intake building at char lake





Figure 6 Signage at char lake



Figure 7 Raw water sampling





Figure 8 Signage at outfall



Figure 9 Algae bloom on ice at outfall





Figure 10 Shoreline at outfall



Figure 11 Sampling at outfall





Figure 12 Sampling at outfall #2

Licensee or Representative	Inspector's Name	
	A. Keim	
Signature	Signature	
	Original On File	
Date	Date	
	August 22 2016	

Office Use Only:	Follow-up report to be issued by Inspector	∐ Yes ⊠ No

