

WATER LICENCE INSPECTION FORM

☑ Original☑ Follow-Up Report

	Licensee Licensee Representative									
Hamlet of Arctic Bay Sam Willie										
Licence No. / Expiry Representative's Title 3BM-ARC1419 Acting Senior Administrative Officer										
3BM-ARC1419 Land / Other Authorizations			Acting Se	HIOI A	diffillistrative Offi	cei				
None										
Date of Inspection			Inspector							
July 28, 2017										
Activities Inspected			Jonathan	1101031						
□ Camp/Municipality □	Drilling	☐ Mining			Reclamation	☐ Fuel Storag	е			
Roads/Hauling	Other:		Other:							
Conditions: A - Ad	cceptable	C - Concern	U - Unacceptab	le	NA – Not Applicable	NI – Not Ins	pected			
Water Use	Condition Comment	Site Conditions		Condit C	Comme Haz/Mat Manage	ement Condition	Comment			
Intake/Screen	A	Water Managem	ent Structures	A	Storage	Α				
Flow Measure. Device	A	Culverts / Bridge:		Α	Spills	NI				
Source:	A	Drainage	-	Α	Spill Plan	А	+			
Water Use:	A	Erosion / Sedime	nt	Α			+			
Recirculation (y /n)	NA		Mitigation Measures		Administrative					
()***/		Reclamation Acti		A	Records	NA				
		Materials Storage		Α	Reports	NA	+			
Waste Disposal		Signage		A	Plans	NA NA				
Waste Water	A	orgriage			Notifications	NA NA	-			
Solid Waste	C	Monitoring			Other	1471				
Hazardous Waste	A	Sample Collection	n / Analysis	NI	Other					
Tidzdi dods Waste	, , , , , , , , , , , , , , , , , , ,	Sumple concentrol	711/11/313	141			+			
*TI	 he number in the	comments field will	correspond with	h specific	comments provided belo	14/	1			
Samples taken by Inspec		Location(s):	correspond with	Тэрсстіс	comments provided belo	· · ·				
	CIOI.									
☐ Yes ☐ No										
SECTION 1	Comments	Non Co	ompliance with	Act or Lie	conco Act	tion Required				
Inspectors Statement	Comments	INOIT-CC	omphance with	ACT OF LIC	Lence Act	non kequireu				
_ -										
The Hamlet of Arctic Bay has a water licence that is valid until 2019. The Licensee is permitted to use 299 cubic meters of water per										
day, and is permitted to discharge treated sewage into the environment from the Waste Water Treatment Facility. The Licence does not grant the right to deposit of wastes into the environment (leachate) from the Solid Waste Disposal Facility.										
not grant the right to deposit of wastes into the environment (leachate) from the solid waste disposal racinty.										
	ter licence inspec	tion was conducted	at the Hamlet o	f Arctic B	ay, Qikiqtani Region, Nur	navut. Sites insp	ected			
included:										
- Marail Laka										
Marcil Lake: Located approx	ximately 8 kilome	oters east of the Ham	nlet The water i	s numne	d from the lake to the tre	eatment nlant a	nd is			
Located approximately 8 kilometers east of the Hamlet. The water is pumped from the lake to the treatment plant and is then distributed by trucks to residents in the community.										
	•		,							
Sewage Treatm The Hamlet use	•	wana lanoon system	to troat sowan	a denerat	ted by the community. The	na lannon systa	m			
The Hamlet uses a single cell, sewage lagoon system to treat sewage generated by the community. The lagoon system, which was constructed in 2013 and has a projected lifespan of 20 years, is complemented by a wetland area (a vegetative										
filter-strip) that is used to polish water treated from the sewage lagoon system.										
Solid Waste disposal facility:										
· ·	•				eating domestic waste an	•	vaste.			
Although sparse details have been provided in the application with respect to the operations of this facility, some information included in the application suggests that the Licensee is contemplating constructing a new solid waste facility										
and that once the facility is constructed, the Licensee will be prepared to submit the relevant operations and maintenance										
manual.										
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Inspection

Water Use and related structures:

- 1. Water is being withdrawn from Marcil Lake as approved in the Water Licence.
- 2. The inspector is requesting that the Licensee install a flow meter in order to accurately record the water usage.

Waste Water Treatment Facility

- 3. At the time of inspection, the sewage lagoon was in-use, operating as intended, and was retaining the sewage until decanting occurs.
- 4. Berm walls surrounding the facility appeared to be in good condition and the freeboard height was sufficient.
- 5. To decant the facility, the Licensee siphons the effluent through hoses over the berm wall. Erosion control measures were in place at the time of the inspection.
- 6. No concerns were noted with the operation of this facility.

Metal Storage Area:

- 7. During the previous inspection (2015), it was requested to store scrap metals on top of the reclaimed sewage lagoon. The Hamlet has not initiated this activity as of yet.
- 8. During the 2016 inspection it was observed that a small stream flows through the existing metal storage area and then flows into a sump downstream of the domestic waste facility. This stream was not visible at the time of the 2017 inspection.
- 9. No issues were noted about this facility.

Domestic Waste Facility

- 10. The Licensee manages domestic waste through a burning and covering procedure.
- 11. In the 2016 inspection a small stream was noted flowing through this facility due to the recent rainfall. Please ensure that water is properly diverted around the municipal refuse to ensure that this facility does not generate Leachate.
- 12. There are no other issues with this facility; the waste appeared to be well segregated.

Reports/Records:

13. Records for water use were in good order.

Hazardous Waste:

14. Paints, batteries, and some hazardous materials are being stored and segregated in sea cans at the Metal Storage Area.

SECTION 2	Comments	Non-Comp	liance with Act or Lice	ence	Action Required
Click here to enter	r text.				
Inspector's Name					
Jonathan Mesh	ner				
Signature					
Date					
September 11,	2017				

