Aboriginal Affairs and Northern Development Canada | Affaires autochtones et Développement du Nord Canada

WATER LICENCE INSPECTION FORM

☒ Original
☐ Follow-Up Report

Licensee	Licensee Representative
Municipality of Taloyoak	Greg Holitzki / James Ashavak
Licence No. / Expiry	**Representative's Title**
3BM-TAL1419	SAO / Water Treatment Plant Operator
Land / Other Authorizations	**Land / Other Authorizations**
Date of Inspection	**Inspector**
23/07/2015	Eva Paul

Activities Inspected

☐ Camp ☐ Drilling ☐ Mining ☐ Construction ☐ Reclamation ☐ Fuel Storage
☐ Roads/Hauling ☒ Other: MUNICIPAL ☐ Other:

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	NA		Storage	NA	
Flow Measure. Device	A		Culverts / Bridges	C	3	Spills	NA	
Source:	A		Drainage	U	3	Spill Plan	NA	
Water Use:	A		Erosion / Sediment	C	4			
Recirculation (y /n)	A		Mitigation Measures	U		Administrative		
			Reclamation Activities	NA		Records	A	
			Materials Storage	A		Reports	A	
Waste Disposal			Signage	A		Plans	U	6
Waste Water	C	1				Notifications	NI	
Solid Waste	C	1	Monitoring			Other		
Hazardous Waste	U	2	Sample Collection / Analysis	U	5			

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

Samples taken by Inspector:	Location(s): TAL-1 [N69°32'39.2" W93°31'07.5"], TAL-4 [N69°32'26.0 W93°35'22"], TAL-5 [N69°32'23" W93°34'34"], TAL-6 [N69°32'22" W W93°35'25"] (numbering from new licence).
☒ Yes ☐ No	

SECTION 1 ☒ Comments (s.1) ☒ Non-Compliance with Act or Licence (s.2) ☒ Action Required (s.3)

An inspection of the community facilities licensed under NWB licence 3BM-TAL1419 was conducted on July 23, 2015. I was assisted by James Ashevak, the Water Treatment Plant operator. The inspection included the Solid Waste Disposal Facility (SWDF), Hazardous Waste Storage Cell (HWSC), Sewage Disposal Facility, and a brief assessment of drainage throughout the community and waste disposal facilities. My findings are as follows:

1. A concerted effort has been made to segregate waste in the SWDF. Separate areas are being set up for construction waste, clean wood, household waste, tires, appliances, metal, vehicles, snowmobiles, and tanks/barrels. Sea-cans have been acquired for storage of batteries prior to shipping. Major areas of concern remain: there is still considerable hazardous waste in the SWDF, it is not in containment, and there is pooling water next to the tanks/barrels. During times of high water flow, this likely-contaminated water flows through a culvert and into the drainage of the Wetland Treatment Area (WTA). There is also water ponding below the SWDF, which flows into the WTA.
2. Progress has been made also with respect to the HWSC: there are two sea-cans of segregated waste that has been moved from inside/around the cell. However, there remains significant work to be done. The cell contains a large volume of contaminated soil from an RCMP facility, and a large volume of highly contaminated water.
3. Drainage is an issue on a several fronts. With respect to the waste management areas, efforts should be made to reduce the volume of water that comes in contact with facilities. Currently, there is a culvert that purposely directs water under the road towards a hydrocarbon-impacted area of the SWDF, and then flows, as described above, into the WTA. This introduces unnecessary contaminants to the WTA. By contrast, in the residential area there are culverts and drainages that appear to have filled with debris and organic matter to the point where flow is inhibited and the water backs up in town.
4. It was noted that ATV trails may pass along the shoreline, and across creeks and drainage areas.
5. Only one set of sample results were included in the 2014 Annual Report. Monitoring data is essential in determining the efficacy of the waste management practices.
6. Updates to several plans were required by March 31, 2015 to incorporate intervener comments. These do not appear on the Public Registry.

SECTION 2 ☐ Comments ☒ Non-Compliance with Act or Licence ☐ Action Required

Part F Items 1-3: updates to plans to incorporate intervenor comments.

SECTION 3	☐ Comments	☐ Non-Compliance with Act or Licence	☒ Action Required

Some actions may require GN involvement:

1. Take such steps as possible to reduce the water flowing into (and thus out of) the SWDF. The Hamlet anticipates to address this in the summer of 2016.
2. Continue the segregation of wastes, and, when the layout is determined, post signs within the SWDF to identify the different waste types. This will facilitate compliance by community members. Establish an area in the SWDF for bio-hazardous waste that meets the requirements outlined in the O&M manual. Discontinue the practice of depositing 'honey-bags' at the Sewage truck turn-around, and relocate waste from that area to the SWDF. Please provide an update on this activity in the Annual Report.
3. A proper lined area for hazardous waste storage is required. Storage within the SWDF is currently unacceptable, particularly in proximity to water. If the water in the HWSC does not meet discharge criteria, other solutions must be sought to remove the contaminated water and soil and free the cell up for usage.
4. The Government of Nunavut is to work cooperatively with the Hamlet when planning upgrades to the SWDF, and any plans that are submitted must be agreed upon by both parties.
5. Take such steps as possible to restore drainage through backed-up areas in the community. Ensure that the water is directed away from the waste management areas. This will be an on-going to-do item.
6. Seek local solutions to reduce erosion and sediment deposition that may result from ATV use.
7. Sampling is to be conducted as per the monitoring requirements of the licence.
8. Ensure the correct coordinates are provided for monitoring stations in the 2015 Annual Report. The coordinate for TAL-1 is wrong in the last several reports, and the station numbers in the Annual Report do not correspond with the numbers in the new licence. The new licence supersedes the old numbering convention.
9. The TAL-5 sign is mistakenly placed at the TAL-4 monitoring location; that sign should be at the HWSC and replaced by the proper sign.
10. Overdue updated plans are to be submitted with the 2015 Annual Report. These plans must reflect the updated monitoring station names and coordinates, and should reflect current staff capacity at the Hamlet, unless the GN is intending to provide staff and training to meet these commitments.

Licensee or Representative	Inspector's Name
Greg Holitzki	Eva Paul
Signature	Signature
Date	Date
24/07/2015	24/07/2015

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