

WATER LICENCE INSPECTION FORM

☒ Original
 ☐ Follow-Up Report

Licensee	Licensee Representative
Hamlet of Resolute Bay	Bhabesh Roy
Licence No. / Expiry	Representative's Title
3BM-RES2025	Municipal Engineer
Land / Other Authorizations	Land / Other Authorizations
Date of Inspection	Inspector
July 19, 2021	Joseph Monteith
Activities Inspected	
☐ Camp ☐ Drilling ☐ Mining ☐ Construction ☐ Reclamation ☐ Fuel Storage	
☐ Roads/Hauling ☒ Other: Solid Waste Facility, Hazardous Waste Facility ☐ Other:	

Conditions:	A- Acceptable	U-Unacceptable	C-Concern	NI-Not Inspected	NA- Not applicable
PART:	Condition		Observation No.*		
A: SCOPE, DEFINITIONS AND ENFORCEMENT	A				
B: GENERAL CONDITIONS	C				
C: CONDITIONS APPLYING TO SECURITY	NI				
D: CONDITIONS APPLYING TO WATER USE	NI				
E: CONDITIONS APPLYING TO WASTE DISPOSAL AND MANAGEMENT	A		1-11		
F: CONDITIONS APPLYING TO MODIFICATIONS	NI				
G: CONDITIONS APPLYING TO CONSTRUCTION	NI				
H: CONDITIONS APPLYING TO EMERGENCY RESPONSE AND CONTINGENCY PLANNING	A				
I: CONDITIONS APPLYING TO ABANDONMENT, RECLAMATION AND CLOSURE PLANNING	NA				
J: CONDITIONS APPLYING TO MONITORING	A				
SCHEDULES	A				
* The observation number corresponds with specific comments provided below.					
Samples taken by Inspector:		Location(s): Latitude: 74°43'01"N Longitude: 94°58'10"W			
☐ Yes ☒ No					

SECTION 1	☐ Comments (s. __)	☐ Non-Compliance with Act or Licence (s. __)	☐ Action Required (s. __)
BACKGROUND There are three water licences for this community. The Hamlet of Resolute Bay was initially issued Licence 3BM-RES9699 for water use, sewage and solid waste disposal. In 2010, the Government of Nunavut, Community and Government Services (GN-CGS) was issued Licence 3BM-RUT1012, subsequently renewed in 2015 as 3BM-RUT1520 for the use of water and disposal of sewage through the Utilidor Systems. Currently, the Hamlet holds the expired Licence 3BM-RES9699 for the Hamlet’s solid waste management. In 2003, the GN-CGS applied for and was issued the now expired Licence NWB3YRB0308, for the use of water and deposit of waste at the Hamlet’s airport facility. Due to the delayed plans to refurbish the airport facilities (Licence No. 3BM-YRB0308), the Board decided to proceed and process the renewals for the Solid Waste Management Facility (Licence No. 3BM-RES9699) and the Utilidor System (Licence No. 3BM-RUT1520) independently. The new water license 3BM-RES2025, does not authorize the use of water. The license allows the deposit of waste. Effective March 30, 2020, expires on March 29, 2025. The relevant facilities for this license includes the community bulk metal and hazardous waste facility, the new bulk metal facility located and the burn and cap facility. Inspector Statement On July 19, 2021, A Water Licence Inspection on 3BM-RES2025 was conducted by Water Resource Officer (WRO) Joseph Monteith at the Hamlet of Resolute Bay, Qikiqtani Region, Nunavut. General Condition On December Richard Dwyer, Nunavut Water Board, Manager of Licencing emailed WRO Monteith a copy of the NWB’s technical review for Hamlet of Resolute Bay’s 2019 Annual Report. No record of an annual report for 2020. Solid Waste Facility 1 (by the beach) 1. The Hamlet manages their domestic waste by burning and capping along the beach on the south side of the			



- community approximately 206 metres from the high water mark of the ocean. The site doesn't appear to be lined, no signs of water flowing in and out of the facility. This site was active at the time of inspection (photo 1).
2. No minimum 10 day notice has been given to the inspector since April 2018 for open pit burning.
 3. A caution sign was observed cautioning the public from dumping Hazardous Material, Metals, and Rubber Tires, and Tracks. Both signs also in Inuktitut.
 4. No signs of water entering the facility, the site is on a sloped rocky beach (photo 1).
 5. No signs of leachate leaving the facility. Slope downgrade of burn and cap steepens. Signs of past deposits capped.

Metal Dump (Within Community)

6. The Metal Dump facility located with the community of Resolute Bay has a mixture of white waste such as water heaters, washers, dryers, fridges, and freezers. Bulk Metal such as abandoned vehicles such as trucks and snowmobiles, pipes, and storage tanks. (See Photo 2).
7. Water enters the site coming out from underground and migrating through the facility (photo 2).

Hazardous Waste (within Community)

8. The hazardous waste within the community is exposed to the elements. With some waste oil drums in a berm, while the majority of the hazardous waste outside of a berm.
9. Signs of leaks were observed on site at the time of the inspection.

Domestic Waste (4 km west of the community)

10. Inside the new bulk metal Solid Waste Facility west of Resolute Bay (photo 3 & 4).
11. Empty Paint and Oil Cans observed exposed to the outside elements within the fenced area of the domestic waste facility.

SECTION 2	☐ Comments	☐ Non-Compliance with Act or Licence	☒ Action Required
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The items listed below are the action's required as summarized from above to ensure compliance:

Consolidate all hazardous waste such as paint cans and oil cans in the Bulk Metal Solid Waste Facility and Domestic Solid Waste Facility, and store in the hazardous waste section of the Solid Waste Facility

- The Licensee is reminded to remain diligent to prevent wastes from entering water, and the environment.
- Notify the inspector 10 days ahead of a planned open pit burn by emailing Water resource Officer Joseph Monteith at: joseph.monteith@rcaanc-cirnac.gc.ca.
- Consult with neighbouring land owners on an agreement to mitigate the interaction of water on access to the new bulk metal solid waste facility.

SECTION 3	☐ Comments	☒ Non-Compliance with Act or Licence	☐ Action Required
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Part B: Item 1

The Licensee shall file an Annual Report on the Appurtenant Undertaking with the Board for review, no later than March 31st of the year following the calendar year being reported, containing the following information:

- a. tabular summaries of all data generated under the "Monitoring Program";
- b. summary of modifications to the "Monitoring Program";
- c. the monthly and yearly quantities of all Waste types disposed of at the Solid Waste

Part D: Item 3

The Licensee shall provide a minimum of ten (10) days' notice to an Inspector, of the intent to open burn municipal Waste in accordance with the Government of Nunavut's Environmental Guideline for the Burning and Incineration of Solid Waste (2012), at the designated location at the Solid Waste Facilities, including the details of the types and quantity of Waste to be burned, proposed dates, protocols to be followed, ultimate disposal of residual ash and the person responsible for the activity.

Part D: Item 4

The Licensee shall segregate and store all hazardous waste within the Solid Waste Facilities in such a manner as to prevent the deposit of deleterious substances into any Water, until such a time that the materials have been removed for proper disposal at an approved facility.

Licensee or Representative	Inspector's Name
Bhabesh Roy	Joseph Monteith
Signature	Signature
Date	Date
	November 19, 2021

CC: Licensing Department, NWB
Justin Hack, Manager of Field Operations, CIRNAC



PHOTO LOG

Date	Camera	Inspector
July 19, 2021	Nikon Cool Pix	Joseph Monteith
Photo Log	Location	
Photo 1	Burn and Cap, Resolute Bay, NU	



Description: Burn and Cap site Active at the time of inspection.

Photo Log	Location
Photo 2	Community Bulk Metal Solid Waste Facility, Resolute Bay, NU



Description: Bulk Metals Facility within the community,



Photo Log

Location

Photo 3

New Bulk Metal Solid Waste Facility, Resolute Bay, NU



Description: Water accumulation within the fenced area of the second Bulk Metal solid Waste Facility.

Photo Log

Location

Photo 4

New Bulk Metal Solid Waste Facility, Resolute Bay, NU



Description: A pool of water at the entrance to the new bulk metal facility.