



WATER LICENCE INSPECTION FORM

Original
 Follow-Up Report

Licensee Government of Nunavut – Department of Transportation and Infrastructure	Licensee Representative Darrin Nichol
Licence No. / Expiry 3BM-YRB2126	Representative’s Title Director of Nunavut Airports
Land / Other Authorizations	Land / Other Authorizations
Date of Inspection July 6, 2025	Inspector Joseph Monteith
Activities Inspected	

Camp
 Drilling
 Mining
 Construction
 Reclamation
 Fuel Storage
 Roads/Hauling
 Other: Sewage Disposal Facility
 Other:

Conditions: **A- Acceptable** **U-Unacceptable** **C-Concern** **NI-Not Inspected** **NA- Not applicable**

PART:	Item No.*	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		A	
E: CONDITIONS APPLYING TO WASTE DISPOSAL AND MANAGEMENT		C	1-6
F: CONDITIONS APPLYING TO MODIFICATIONS		NI	
G: CONDITIONS APPLYING TO CONSTRUCTION		C	
H: CONDITIONS APPLYING TO EMERGENCY RESPONSE AND CONTINGENCY PLANNING		C	
I: CONDITIONS APPLYING TO ABANDONMENT, RECLAMATION AND CLOSURE PLANNING		NI	
J: CONDITIONS APPLYING TO MONITORING		C	
SCHEDULES		NI	

**The item number corresponds with specific conditions within the licence and the observation number corresponds with specific comments provided below.*

Samples taken by Inspector:	Location(s):
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	N74° 42' 00" ,W94° 50' 00"

SECTION 1 **Comments (s. __)** **Non-Compliance with Act or Licence (s. __)** **Action Required (s. __)**

BACKGROUND
 Application is by the Government of Nunavut – Community and Government Services (GN-CGS or the Applicant), on behalf of the Government of Nunavut – Department of Transportation and Infrastructure (GN-DOTI) or Licensee), for the renewal, for a term of five (5) years, of Type “B” Water Licence No: 3BM-YRB2125 to allow for the continued operation of a Sewage Disposal Facility located within the municipal boundaries of the Hamlet of Resolute Bay in the Qikiqtani Region, Nunavut.

Inspector Statement
 On July 6, 2025, A Water Licence Inspection was conducted by Water Resource Officer(WRO) Joseph Monteith and WRO Sean Naullaq at the Resolute Bay GN-DOTI Sewage Disposal Facility at Resolute Bay, NU.

General Condition
 On September 23, 2025, Richard Dwyer, Nunavut Water Board, emailed Water Resource Officer Monteith copies of the Government of Nunavut (GN), Department of Transportation(DOT) annual reports for 2021, 2022, 2023 and 2024. Satisfying Part B: Item 1 of the Water Licence for the years submitted. The annual report can be reviewed off the hyperlinks below.



2021

<https://public.nwb-oen.ca/registry/3%20MUNICIPAL/3B/3BM%20-%20Municipality/3BM-YRB2126/3%20TECH/B%20GENERAL/2%20ANNUAL%20RPT/2021/>

2022

<https://public.nwb-oen.ca/registry/3%20MUNICIPAL/3B/3BM%20-%20Municipality/3BM-YRB2126/3%20TECH/B%20GENERAL/2%20ANNUAL%20RPT/2022/>

2023

<https://public.nwb-oen.ca/registry/3%20MUNICIPAL/3B/3BM%20-%20Municipality/3BM-YRB2126/3%20TECH/B%20GENERAL/2%20ANNUAL%20RPT/2023/>

2024

<https://public.nwb-oen.ca/registry/3%20MUNICIPAL/3B/3BM%20-%20Municipality/3BM-YRB2126/3%20TECH/B%20GENERAL/2%20ANNUAL%20RPT/2024/>

Sewage Disposal Facility

1. The Sewage Disposal Facility is a non-engineered 3 cell lagoon (photo 1 - 4).
- 2.) Yellow triangle signs were observed. The signs are labelled as per Part B: Item 5(photo 3).
3. The sewage lagoon appeared to be in use at the time of the inspection (photo 1-3).
4. Signs of historical over flow were observed, and observable from satellite photo (photo 4).
5. Signs of Slumping and erosion were observed. The state of the walls appears to have gone into further decline.
6. On July 24, 2025 RES, Frontdesk (Belinda Morin) Blinda.Morin@atco.com emailed WRO Monteith the water usage records for the Hamlet of Resolute Bay. In the Spreadsheet, below the bordered recordings, is the ATCO Frontec record of water withdrawal. Zero Litres withdrawn in 2024. Typically this is the record of deposit into the sewage lagoon (photo 5).

Comments Non-Compliance with Act or Licence Action Required

The following information is a summary of the Actions Required by the licensee to promote and ensure compliance:

- articulate how you calculate the amount of waste deposited into the Sewage Disposal Facility.
- label the two monitoring posts as listed in the water licence
- provide all requirements for submission of Annual Reports
- repair the walls of the Sewage Disposal Facility
- notify WRO Monteith at Joseph.Monteith@rcaanc-cirnac.gc.ca when decanting the Sewage Disposal Facility.
- report to the Spill Line when overflow is observed at the Sewage Disposal Facility within 24 hrs of noticing occurrence
- the Licensee is reminded to remain diligent to prevent wastes from entering water, the environment, and to adhere to the discharge criteria listed in the licence.
- confirm whether there has been deposits into the sewage lagoon, as the water usage records indicates no water withdrawn, but deposits appear to continue as observed in photos 2-4.
- decant the sewage lagoon annually ahead of freeze up, so there won't be over filling and over spillage.
- Do not cause puddling during deposit into the sewage lagoon. Erosion of the walls is being compromised as observed in photo 2.

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

Part B: Item 5

The Licensee shall, within ninety (90) days after the first visit by an Inspector, following issuance of the Licence, post the necessary signs to identify the stations of the "Monitoring Program". All signage postings shall be in the Official Languages of Nunavut.

Part B: Item 1

1. The Licensee shall file an Annual Report on the Appurtenant Undertaking with the Board no later than the 31st of March of the year following the calendar year being reported, containing the following information:
 - a. tabular summaries of all data generated under the "Monitoring Program" under Part H, and an indication of wastewater treatment levels upstream and downstream of the Wetland Area;
 - b. summary of modifications to the "Monitoring Program" in accordance with Part H, Item 10;
 - c. the annual quantity in cubic metres of any sludge removed from the Sewage Disposal Facility along with the treatment, storage, and disposal provided as required in Part H, Item 8;
 - d. a summary of modifications and/or major maintenance work carried out on the Sewage Disposal Facility, including all associated structures and facilities;
 - e. a list of unauthorized discharges and summary of follow-up action taken;

- f. a summary of any abandonment and restoration work completed during the year and an outline of any work anticipated for the next year;
- g. any updates or revisions for manuals and plans, including the Spill Contingency Plan, Quality Assurance/ Quality Control Plan and Operations and Maintenance Manual, as required by changes in operation and/or technology, may be subject to Board acceptance and/or approval;
- h. detailed minutes of any public consultation and participation with local organizations and the residents of the community regarding licence amendments;
- i. summary of any studies or reports requested by the Board that relate to Water use and Waste disposal or restoration, and a brief description of any future studies planned; and
- j. any other details on Water use or Waste disposal requested by the Board by the 1st of November of the year being reported.

Part D: Item 5

The Licensee shall advise an Inspector at least ten (10) days prior to initiating any decant of the Sewage Disposal Facility.

Part D: Item 6

The Sewage Disposal Facilities shall be maintained to the satisfaction of an Inspector, and operated in such a manner as to prevent erosion and structural failure.

Licensee or Representative Darrin Nichol	Inspector's Name Joseph Monteith
Signature 	Signature 
Date October 16, 2025	Date October 14, 2025

CC: Licensing Department, NWB
Jeremy Fraser, Manager of Field Operations, CIRNAC

Photo Log

Date	Camera	Inspector
July 6, 2025	Galaxy S11	Joseph Monteith
Photo Log #1	Location	
Photo 1	DOTI Sewage Lagoon, Resolute Bay, NU	



Description: Discharge point for non-engineered sewage lagoon. 3 cell sewage lagoon.



Photo Log #

Location

Photo 2

DOTI Sewage Lagoon, Resolute Bay, NU



Description: wood for sewage truck appears to be off to the side. Sewage truck appears to deposit in multiple locations, and deposits into the ground causing the puddles along the side of the sewage lagoon.

Photo Log

Location

Photo 3

DOTI Sewage Lagoon, Resolute Bay, NU



Description: Sign does not have monitoring station label.



Photo Log #

Location

Photo 4

DOTI Sewage Lagoon, Resolute Bay, NU



Description: Whitening across the walls of sewage lagoon walls, is signs of overflow of sewage lagoon.

Photo Log #

Location

Photo 5

ATCO Sewage Lagoon, Resolute Bay, NU

2024 WATER CONSUMPTION

	January	February	March	April	May	June	July	August	September	October	November	December	
1	58,024,990	803,152	744,753	892,101	652,917	762,085	10,828,834	675,929	728,942	0	618,472	613,201	
2	823,909	745,565	813,458	1,157,331	668,831		782,437	707,797	679,626	579,740	697,263	615,381	
3	682,032	790,288	946,528	1,166,434	766,668	682,127	72,740,812	687,866	739,629	640,326	552,189	851,211	
4	752,897	760,010	692,893	1,185,345	596,226	757,908	71,354,231	728,662	765,180	611,860	665,348	426,629	
5	743,886	713,901	802,062	1,213,155	710,428	755,402	748,052	29,339,827	0	656,375	625,913	607,006	
6	1,020,216	788,327	805,323	1,001,098	644,642	731,277	758,320	30,771,993	1,478,417	652,633	644,445	1,324,727	
7	477,113	720,717	800,640	1,136,146	691,274	712,708	740,126	674,248	0	632,728	631,286	656,272	
8	749,160	838,007	0	692,587	664,481	734,565	664,157	665,824	0	602,714	623,061	637,941	
9	868,111	733,878	1,752,011	907,173	651,660	812,704	698,348	712,818	11,300,175	0	740,590	672,101	
10	874,796	780,004	0	592,588	819,770	687,678	770,557	771,735	12,729,420	0	653,064	648,666	
11	537,908	801,351	1,524,595	724,923	604,152	744,071	710,000	703,785	732,387	0	614,892	661,759	
12	740,321	809,664	632,101	999,883	801,273	758,907	722,469	636,744	777,676	571,516	630,059	764,491	
13	721,533	782,175	1,088,686	538,837	686,056	737,756	715,473	704,499	677,291	606,453	607,238	648,666	
14	814,898	752,445	781,270	715,337	719,185	1,059,715	751,971	719,863	780,086	825,899	642,020	661,759	
15		853,573	821,874	678,196	719,185	416,067	715,000	827,890	0	396,469	0	764,491	
16	1,567,240	832,739	485,374	700,861	1,555,024	751,840	707,151	1,450,059	0	633,055	0	533,817	
17	1,417,550	715,108	0	774,651	405,381	804,433	657,214		0	331,467	0	683,560	
18		710,118	1,159,366	675,434	923,295	966,480	769,368		915,567	881,118	0	713,126	
19	795,161	944,671	1,236,453	718,370	712,103	566,860	766,471	739,955	806,317	435,650	589,431	625,020	
20	821,869	682,027	1,080,173	749,865	727,689	830,618	626,119		413,178	0	549,400	655,921	
21	761,783	775,743	1,075,360	804,642	803,859	700,503	744,044		862,061	0	691,261	656,538	
22	674,802	795,228	1,119,616	644,632	697,399	735,750	733,188	884,027	663,826	621,890	668,100	0	
23	787,192	821,518	1,110,053	702,001	605,662	808,694	674,656	526,723	760,224	675,792	650,840	619,223	
24	785,176	810,884	1,032,606	773,720	714,497	714,159	685,349	680,846	712,633	583,802	579,935	767,400	
25	766,912	869,773	1,045,924	682,115	702,262	744,556	805,223		743,801	626,126	773,217	541,758	
26	790,099	958,744	1,244,055	695,719	788,398	6,722,780	598,797	1,138,414	759,637	667,800	502,764	691,139	
27	735,017	660,674	1,128,051	767,315	719,594	5,197,635	764,820	239,063	0	576,606	710,257	629,194	
28	735,297	736,057	1,128,201	694,892	741,022	667,116	708,782	943,576	0	637,479	725,488	771,329	
29	762,914	766,154	1,315,834	653,215	780,529	688,649	700,070	524,102	0	654,141	0	300,334	
30	831,520		1,213,500	691,344	681,112	752,057	808,756	826,767	0	599,600	0	965,063	
31	736,845				755,565		621,905	628,356		624,542		666,511	
Total Imp G	80,801,147	22,752,495	26,836,007	24,329,910	22,710,139	32,005,100	175,072,700	77,911,368	38,026,073	15,325,781	15,386,533	20,374,234	
Total Liters	367,330,094	103,435,118	121,999,171	110,606,204	103,242,563	145,498,385	795,898,001	354,192,870	172,870,330	69,672,533	69,948,718	92,623,305	
										Yearly Total Imp. G		551,531,487	
												Yearly Total Liters	2,507,317,293

ATCO Truck
Liters

0 0 0 0 0 0 0 0 0 0 0 0 0

Description: ATCO recordings are below the 2024 water consumption report for the Hamlet of Resolute Bay. Zero Litres recorded.