

2024 ANNUAL REPORT FOR THE MUNICIPALITY OF IGLOOLIK

YEAR BEING REPORTED: 2024

The following information is compiled pursuant to the requirements of Part B, Item 1 of Water Licence No. 3AM-IGL2131 issued to the **Municipality of Igloolik**.

**I – III. Tabular summaries of all data generated under the “Monitoring Program”;
monthly and annual quantities in cubic metres of freshwater obtained from all sources;
monthly and annual quantities in cubic metres of each and all wastes discharged;**

Attached are the quantities of water used and the estimated discharge of waste. The water consumption volume (withdrawal volumes from the water reservoir) is considered equal to the sewage discharge volume because there is no meter at the end of the discharge pipe.

A greater volume of water was used than water filled into the reservoir. This observation is unsurprising as rainwater and snowmelt also contribute to filling up the reservoir.

**2024 ANNUAL REPORT
FOR THE MUNICIPALITY OF IGLOOLIK**

Month Reported	Quantity of Water Obtained from All Sources (m ³)	Quantity of Sewage Waste Discharged (m ³)
January	0	8,794.0
February	0	4,299.6
March	0	5,421.6
April	0	5,924.2
May	0	4,946.0
June	66,240 cubic metres were pumped from South Lake at IGL-1 to the water reservoir over 23 days	6,139.2
July	0	6,715.6
August	0	7,002.5
September	0	5,710.2
October	0	6,128.2
November	0	6,179.8
December	0	6,437.7
ANNUAL TOTAL	66,240	73,698.6

**2024 ANNUAL REPORT
FOR THE MUNICIPALITY OF IGLOOLIK**

IV. A summary of modifications and/or major maintenance work carried out on the Water Supply and Waste Disposal Facilities, including all associated structures and facilities:

No modifications or major maintenance work carried out in 2024.

V. A list of unauthorized discharges and summary of follow-up action taken:

There were no spills associated with licensed infrastructure in 2024.

VI. A summary of any abandonment and restoration work completed during the year and an outline of any work anticipated for the next year:

There was no abandonment and restoration work completed during 2024. There is no abandonment and restoration work anticipated for 2025.

VII. A summary of any studies requested by the Board that relate to waste disposal, water use or reclamation, and a brief description of any future studies planned:

Water

Water infrastructure feasibility study is currently ongoing. The objective of the study is to provide a conceptual design for water infrastructure that will provide drinking water for the municipality that will sustainably meet the community's demands until 2050 and achieve the treatment objectives in Health Canada's Guidelines for Canadian Drinking Water Quality. The study will also include a hydrological assessment and water sampling program of Fish Lake, which has been identified as a potential future drinking water source for the community as preliminary assessments suggest that South Lake may not be large enough to provide enough water for the community based on the growing population and water use demands. The expected completion of the feasibility study is March 2026. A summary will be provided along with the 2025 Annual Report.

Solid Waste

The initial planning study was completed in 2020/21. The cost estimates have indicated that the current funding cannot support the construction of a new state-of-the-art 20-year landfill. The focus of the project has shifted to making improvements to the current site. A second planning contract to assess and prioritize the improvements to the current site is expected to be completed in 2025.

VIII. Any other details on water use or waste disposal requested by the Board by November 1st of the year being reported; and

No other details on water use or waste disposal requested by the Board by November 1st of

2024 ANNUAL REPORT FOR THE MUNICIPALITY OF IGLOOLIK

2024.

IX. Updates or revisions to the approved Operation and Maintenance Plans:

No changes were made to the approved Operation and Maintenance Plans in 2024.

X. ADDITIONAL INFORMATION THAT THE LICENSEE DEEMS USEFUL:

- No sludge was removed from the Wastewater Treatment Facility in 2024.
- No modifications to the Monitoring Program; however, no sampling was done in 2024.

XI. FOLLOW-UP REGARDING INSPECTION/COMPLIANCE CONCERNS:

The 2024 CIRNAC Inspection took place on June 28, 2024. A copy of the report is attached as **Appendix A**.

The following actions will be taken to ensure compliance with the water licence:

- Monitoring Station signs will be posted at the designated sites
- Wastes that have escaped the Solid Waste Facility will be picked up and placed back into the Facility
- The 2023 Annual Report will be submitted by May 2025
- Fencing will be repaired as part of the upgrades in the solid waste upgrade project, which the report will be completed in 2025, and the upgrades should take place in 2026.

**2024 ANNUAL REPORT
FOR THE MUNICIPALITY OF IGLOOLIK**

Appendix A: CIRNAC Inspection Report



Water Licence Inspection Report

☒ Original
☐ Follow-Up Report

Authorization	Representative
Municipality of Igloolik	George Qaunaq
Authorization No. / Expiry	Representative's Title
3AM-IGL2131	Senior Administrative Officer
Activities Inspected	
<input type="checkbox"/> Camp, Commercial <input type="checkbox"/> Drilling <input type="checkbox"/> Mining <input type="checkbox"/> Construction <input type="checkbox"/> Reclamation <input type="checkbox"/> Fuel Storage <input type="checkbox"/> Roads/Hauling <input type="checkbox"/> Winter Hauling	
<input type="checkbox"/> Camp, Private <input checked="" type="checkbox"/> Other	

Section 1 Comments
<p>On June 28, 2024 I, Sean Noble-Nowdluk, along with Joseph Monteith, Inspectors with Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC) completed an Inspection of the site named above for the purpose of verifying compliance with the terms and conditions of which this water license was issued upon.</p> <p>The following list of items were inspected for compliance with the issued and valid water license:</p> <ul style="list-style-type: none">• Municipal Water Reservoir and Treatment Plant• Municipal Sewage Treatment Plant• Solid Waste Facility
Section 2 Non-Compliance with Acts or License
<ol style="list-style-type: none">1. Sections of the fencing at the Solid Waste Facility were damaged and missing, allowing waste to escape from the facility. This is in non-compliance with Part E: Section 8 of the Water License.2. Sampling/monitoring station signage were not present at the station sites. This is in non-compliance with Part E: Section 2 of the Water License.3. Different types of waste were found outside of the Solid Waste Facility located in a creek. This is in non-compliance with Part E: Section 7.4. The Municipality of Igloolik has not yet submitted their Annual Report for 2023. This is in non-compliance with Part B: Section 1 of the License.
Section 3 Action Required
<ol style="list-style-type: none">1. Fencing along the perimeter of the Solid Waste Facility must be repaired or replaced to ensure waste and debris are contained within the facility.2. Monitoring station signs must be posted at the designated sites. Please refer to Schedule 1: Table 2 of the License.3. All waste located outside the Solid Waste Facility must be removed and placed within the facility to ensure waste does not enter any body of water.4. The Licensee must submit their 2023 Annual Report to the Nunavut Water Board.

Licensee or Representative	Inspector's Name
George Qaunaq	Sean Noble-Nowdluk
Signature	Signature
Date	Date
March 31, 2025	November 8, 2024

Office Use Only:	Follow-up report to be issued by Inspector	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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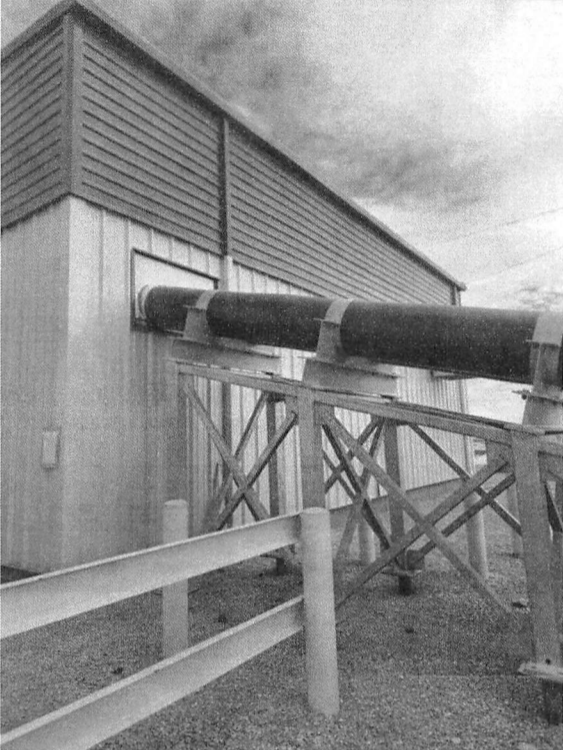

PHOTO LOG			
Date:	Authorization Number:	Camera/Model:	Inspector
Friday, June 28, 2024	3AM-IGL2131	Samsung S23	Sean Noble-Nowdluk
Photo No. 1		Lat/Long (DD.MM.SS.SS, NAD83)	
Photo			
			
Description: View of water intake pipe connecting the reservoir to the water treatment facility.			
Photo No. 2		Lat/Long (DD.MM.SS.SS, NAD83)	
Photo			
			
Description: View of water reservoir from water treatment facility.			




Photo No. 3	Lat/Long (DD.MM.SS.SS, NAD83)
Photo	
	
Description: Water truck fill station.	

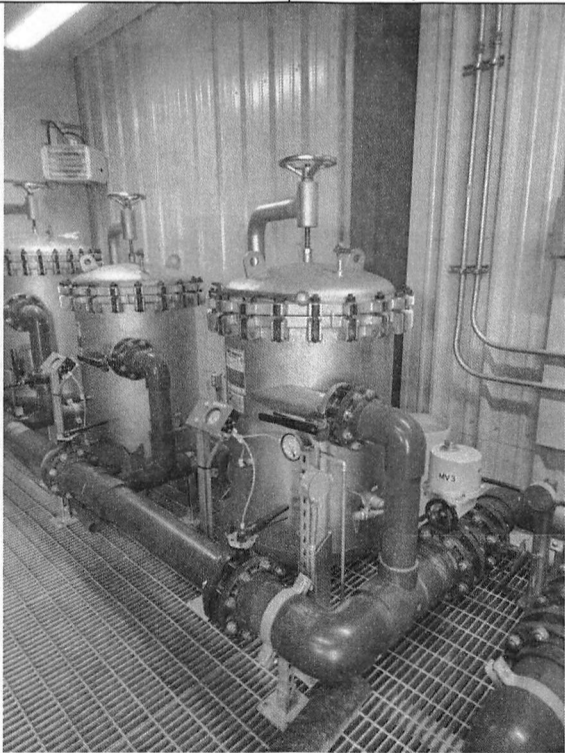

Photo No. 4	Lat/Long (DD.MM.SS.SS, NAD83)
Photo	Click or tap here to enter text.
	
Description: Photo of water treatment system inside the treatment facility.	

Photo No. 5

Lat/Long (DD.MM.SS.SS, NAD83)

Photo

Click or tap here to enter text.



Description:

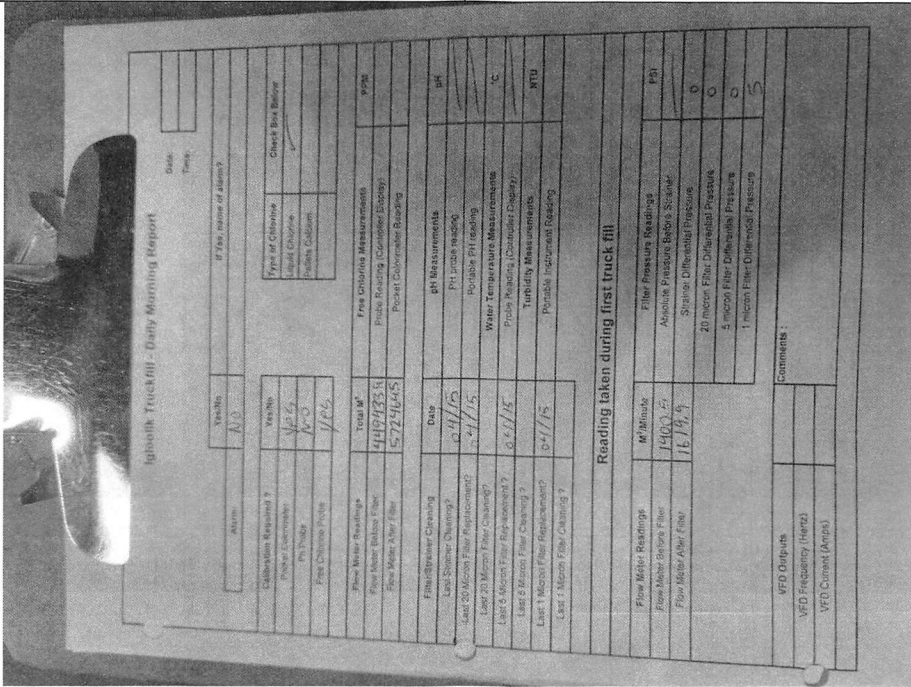
Functional water flow meter located in the water treatment facility.

Photo No. 6

Lat/Long (DD.MM.SS.SS, NAD83)

Photo

Click or tap here to enter text.



Description:

Water usage logs filled out by hamlet employees.

Photo No. 7

Lat/Long (DD.MM.SS.SS, NAD83)

Photo



Description:

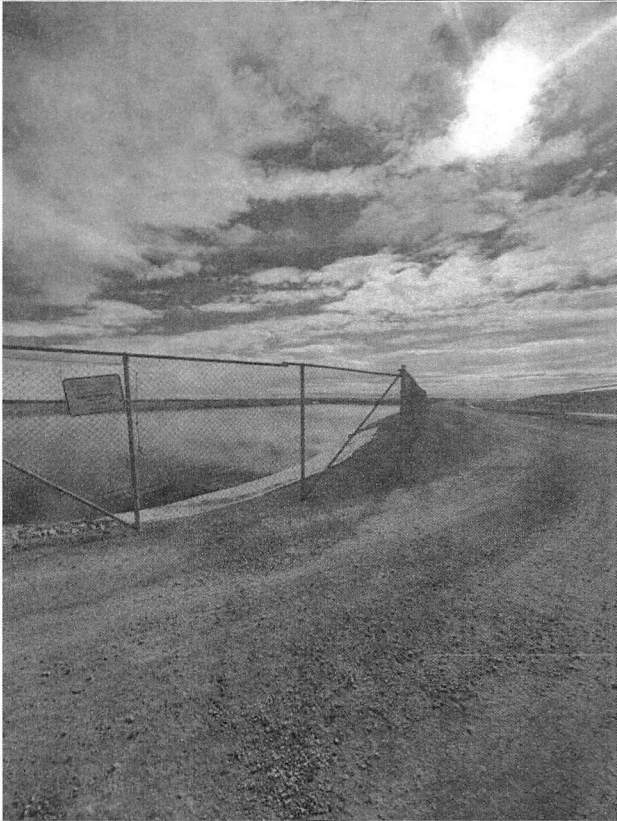
Signage observed at the sewage treatment facility.

Photo No. 8

Lat/Long (DD.MM.SS.SS, NAD83)

Photo

Click or tap here to enter text.



Description:

Fencing was observed outside the sewage treatment facility.




Photo No. 9		Lat/Long (DD.MM.SS.SS, NAD83)
Photo		
		
Description:		
Sewage discharge location at the sewage treatment facility.		

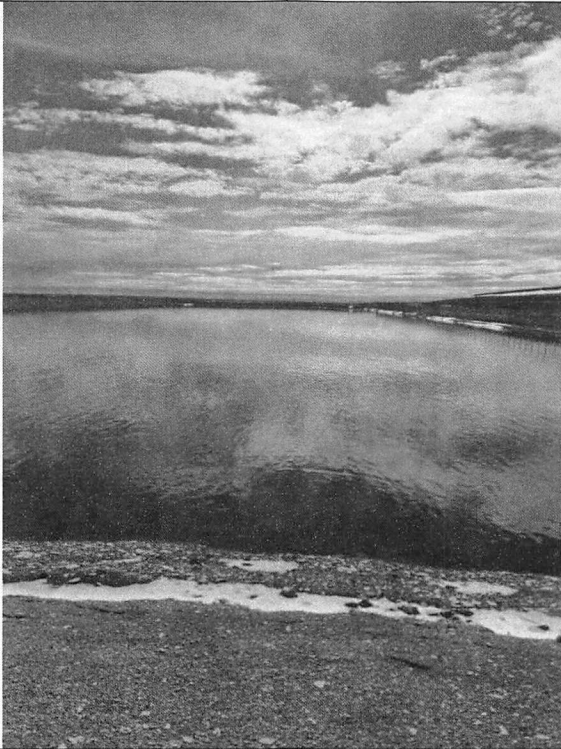
Photo No. 10		Lat/Long (DD.MM.SS.SS, NAD83)
Photo		
		
Description:		
Photo of sewage treatment facility.		




Photo No. 11	Lat/Long (DD.MM.SS.SS, NAD83)
Photo	
	
Description: Active sewage disposal during the inspection.	

Photo No. 12	Lat/Long (DD.MM.SS.SS, NAD83)
Photo	
	
Description: Hazardous waste was found throughout the solid waste facility.	



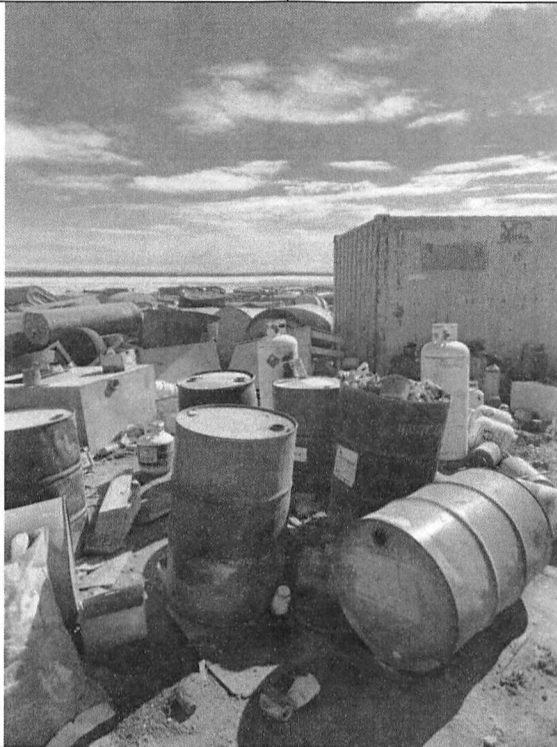
Photo No. 13	Lat/Long (DD.MM.SS.SS, NAD83)
Photo	
	
Description: Hazardous waste was found throughout the solid waste facility.	


Photo No. 14	Lat/Long (DD.MM.SS.SS, NAD83)
Photo	
	
Description: Hazardous waste was found throughout the solid waste facility.	



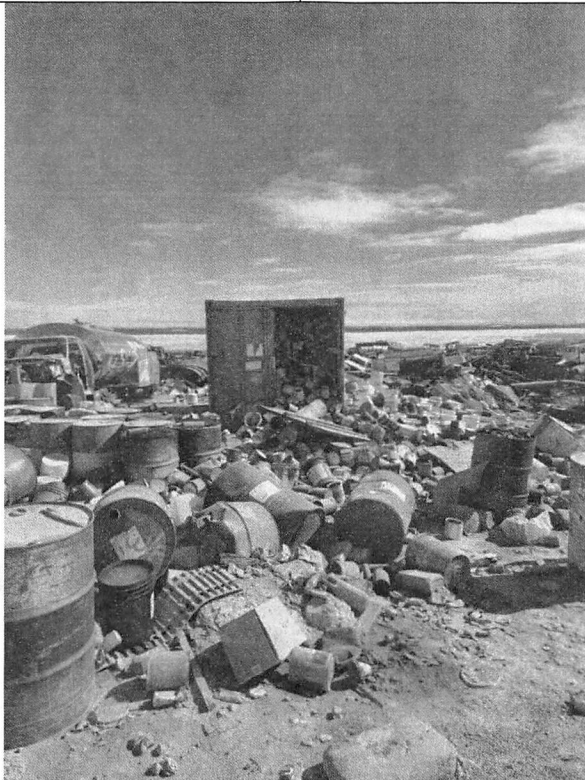
Photo No. 15	Lat/Long (DD.MM.SS.SS, NAD83)
Photo	
	
Description: Hazardous waste without any form of secondary containment.	


Photo No. 16	Lat/Long (DD.MM.SS.SS, NAD83)
Photo	
	
Description: Municipality dump site signage was present.	




Photo No. 17	Lat/Long (DD.MM.SS.SS, NAD83)
Photo	
	
Description: General photo of solid waste facility.	


Photo No. 18	Lat/Long (DD.MM.SS.SS, NAD83)
Photo	
	
Description: General photo of solid waste facility.	




Photo No. 19	Lat/Long (DD.MM.SS.SS, NAD83)
Photo	
	
Description: Photo showing new gravel being laid down to cover the older material at the solid waste facility.	

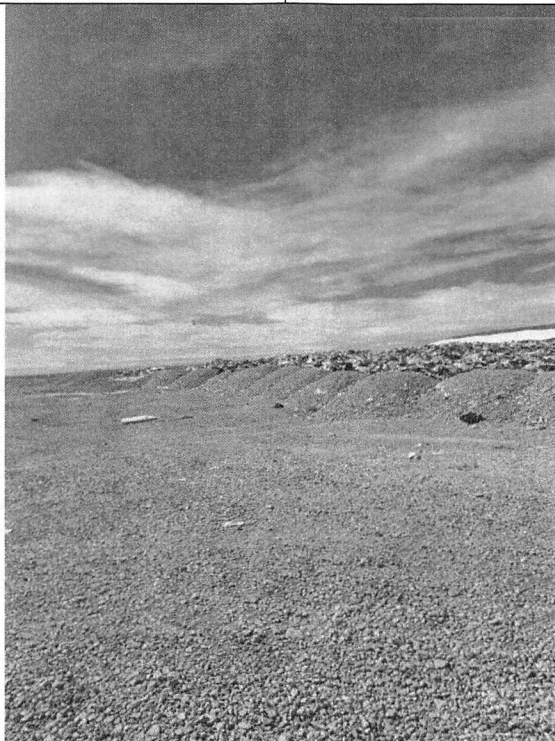
Photo No. 20	Lat/Long (DD.MM.SS.SS, NAD83)
Photo	
	
Description: Photo showing new gravel being laid down to cover the older material at the solid waste facility.	




Photo No. 21		Lat/Long (DD.MM.SS.SS, NAD83)
Photo		
		
Description: Photo showing new gravel capping material covering historical dump site. The Hamlet has worked on capping older sites in order to manage new waste coming into the solid waste facility.		

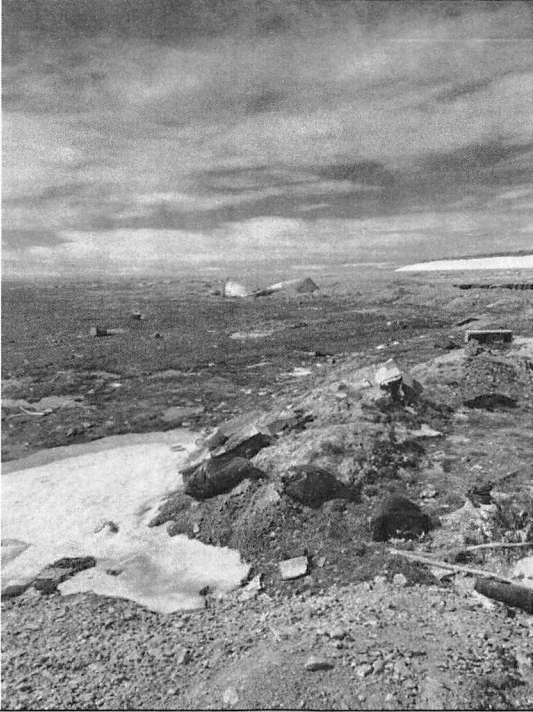
Photo No. 22		Lat/Long (DD.MM.SS.SS, NAD83)
Photo		
		
Description: Leachate runoff flows through this path. This water runs through the solid waste facility and leads into		




Photo No. 23		Lat/Long (DD.MM.SS.SS, NAD83)
Photo		
		
Description:		
Photo of waste located outside the Solid Waste Facility and entering a body of water.		


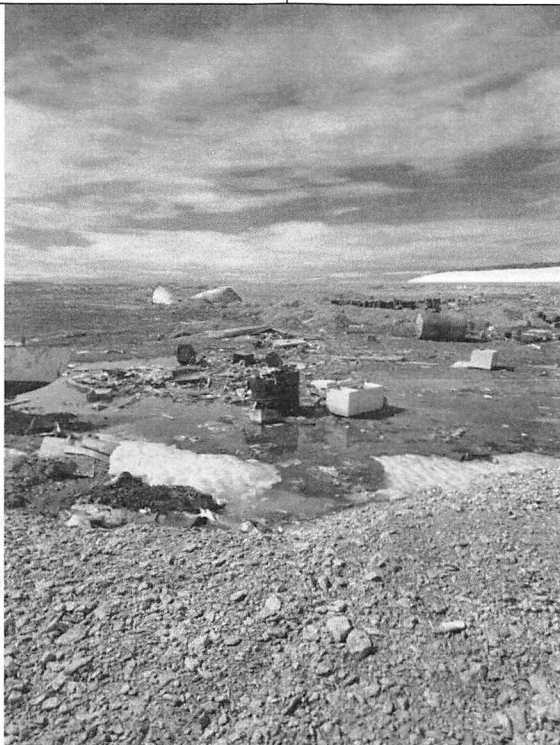
Photo No. 24		Lat/Long (DD.MM.SS.SS, NAD83)
Photo		
		
Description:		
Photo of waste located outside the Solid Waste Facility and entering a body of water.		



Photo No. 25	Lat/Long (DD.MM.SS.SS, NAD83)
Photo	
	
Description: Photo of waste located outside the Solid Waste Facility and entering a body of water.	