



Indian and Northern Affairs Canada
Affaires Indiennes et du Nord Canada

MUNICIPAL WATER USE INSPECTION FORM

Date: 2000/09/05 Licensee Rep. (Name/Title): Dan Holmes / Director, Municipal Operations
Licensee: Municipality of Cape Dorset Licence No.: unlicensed

WATER SUPPLY

Source(s): Tee Lake / Dead Dog Lake Quantity used: not inspected
Owner/Operator: Hamlet

Indicate: A - Acceptable U - Unacceptable NA - Not Applicable NI - Not Inspected
Intake Facilities: NI Storage Structure: A Treatment Systems: A Chemical Storage: A
Flow Meas. Device: NI Convey. Lines: NI Pumping Stations: A
Comments: Alternate water source periodically utilized due to recurring freeze-ups of the old intake line. Sections of intake line recently replaced. No concerns noted with well-kept truckfill station. Chlorination in use.

WASTE DISPOSAL

Sewage: Sewage Treatment System (Prim./Sec/Ter.): primary; discharge overland to ocean
Natural Water Body: Continuous Discharge (land or water):
Seasonal Discharge: x Wetlands Treatment: very limited Trench:
Solid Waste: Owner/Operator: Hamlet
Landfill: Burn & Landfill: x Other:

Indicate: A - Acceptable U - Unacceptable NA - Not Applicable NI - Not Inspected
Discharge Quality: sampled Decant Structure: NA Erosion: U
Discharge Meas. Device: none Dyke Inspection: NA Seepages: A
Dams, Dykes: U Freeboard: NA Spills: none reported
Construction: NA O&M Plan: NA A&R Plan: NA
Periods of Discharge: A Effluent Discharge Rate: not measured
Comments: Extensive spring runoff washed out the lower cell of the new sewage disposal facility. Upper cell and old sewage lagoon utilized alternatively, until full. Sewage effluent at both facilities flowing downslope without much prior retention time. Unfenced solid waste disposal facility appears regularly burned, and is well compacted and covered. Concerns noted with the quantity of observed, and potential, runoff flowing through the site. The toe of the bulky metal wastes disposal site lies under the high tide mark. No form of containment provided for hazardous materials. Waste oil is adequately stored and disposed of at the Hamlet garage (furnace).

FUEL STORAGE

Owner/Operator:
Indicate: A - Acceptable U - Unacceptable NA - Not Applicable NI - Not Inspected
Berms & Liners: Water within Berms: Evidence of Leaks:
Drainage Pipes: Pump Station & Catchment Bern:
Pipeline Condition: Not Applicable: x Condition of Tanks:

SURVEILLANCE NETWORK PROGRAM (SNP)

Samples Collected Hamlet: none
INAC: metal dump leachate, dump leachate, discharge from new sewage lagoon
Signs Posted SNP: not applicable Warning: none
Records & Reporting: not applicable
Geotechnical Inspection: none required; although may be warranted due to recurring erosion problems
Non-Compliance of Act or Licence: Community is unlicensed.

Philippe Lavallée
Inspector's Name

Inspector's Signature



figure 1. Chute and first cell of the new sewage disposal facility; 2000/09/05.

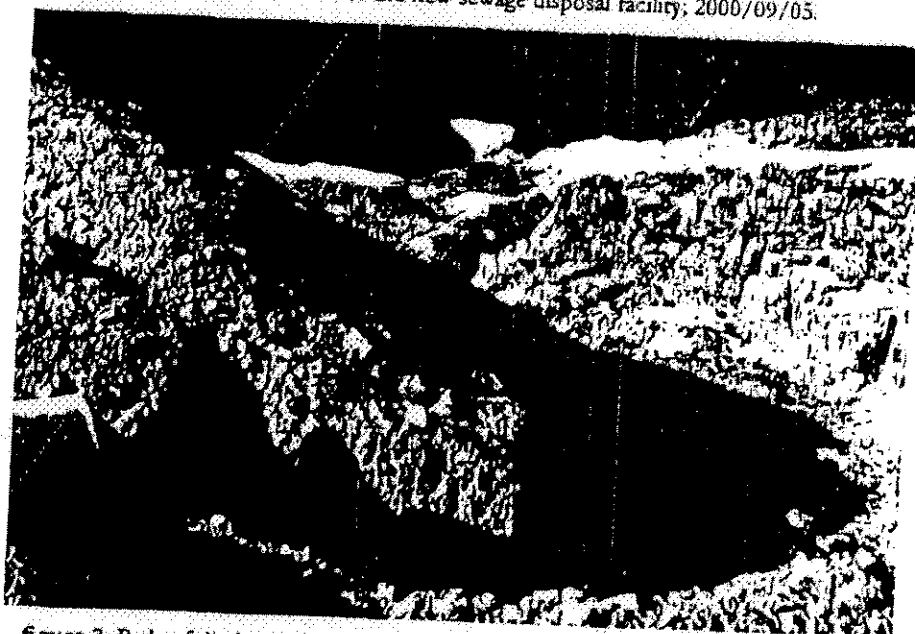


figure 2. Path of discharge from the first cell of the new sewage disposal site; 2000/09/05.



figure 3. Breached berms, new sewage disposal facility; 2000/09/05.

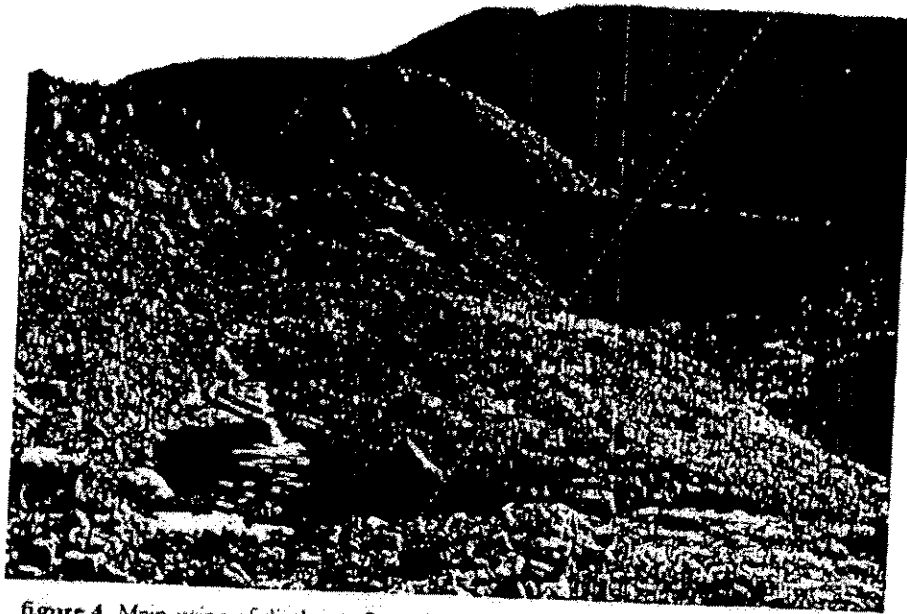


figure 4. Main veins of discharge from the first cell and the dump; 2000/09/05.

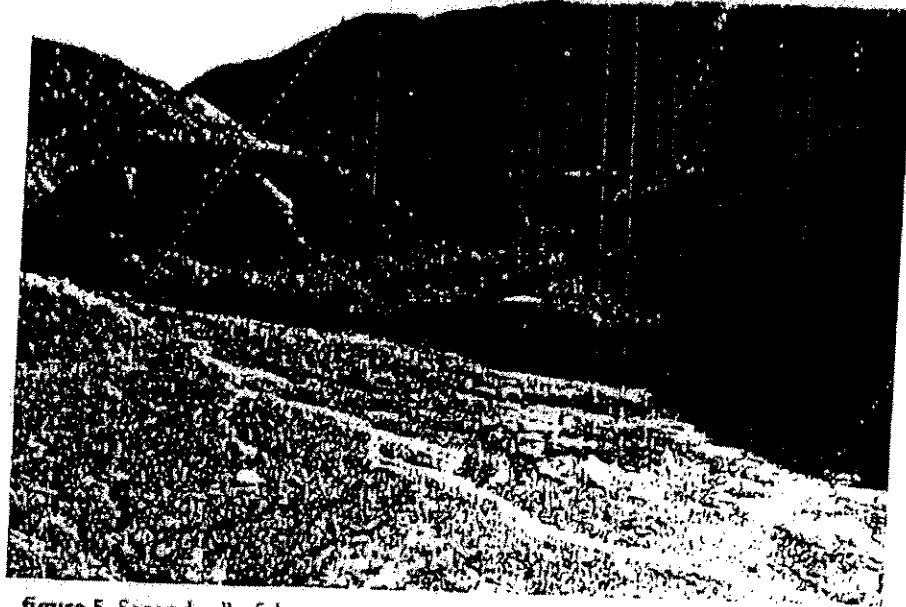


figure 5. Second cell of the new sewage disposal facility; 2000/09/05.



figure 6. Path of discharge from the new sewage disposal facility; 2000/09/05.

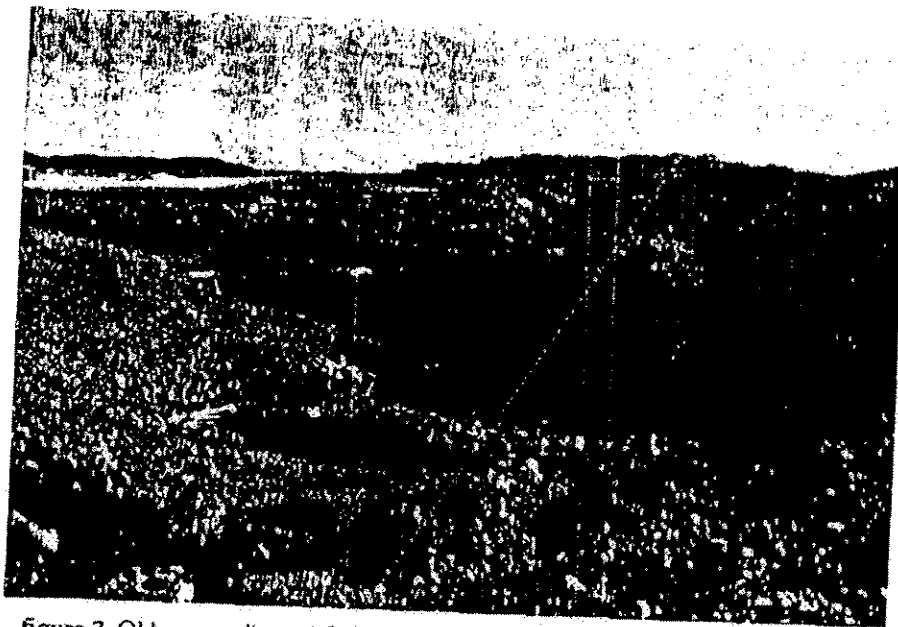


figure 7. Old sewage disposal facility; 2000/09/05.



figure 8. Path of discharge from the old sewage disposal facility; 2000/09/05.



figure 9. Solid waste disposal facility; 2000/09/05.



figure 10. Leachate from the solid waste disposal facility; 2000/09/05.



figure 11. Bulky metal wastes disposal facility; 2000/09/05.



figure 12. Bulky metal wastes disposal facility; 2000/09/05.

TAIGA ENVIRONMENTAL LABORATORY
Dept. Indian Affairs & Northern Development
4601-52 nd Ave., Box 1500
Yellowknife, NT. X1A 2R3
Tel. (867) 669-2788
Fax: (867) 669-2718

To: NUNAVUT
Operations Directorate, DIAND
BOX 100

IQALUIT

X0A 0H0

Att'n: Philippe Lavallee

LAB# 201981

SAMPLE INFORMATION

Our Lab#: 201981
Your Sample ID: Lagoon
Sample Matrix: discharge

PROJECT:

Collection:

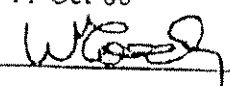
Location: Cape Dorset

Date: 9/05/00

By: Philippe Lavallee

Received Date: 9/7/00

Report Date: 11-Oct-00

Approved By: 

- SAMPLE ANALYSIS REPORT -

Lab#	Test	Result	Units	Detection Limit	Analysis Date	Analytical Method
201981	Tot-Suspended-Solids	15	mg/L	3	9/21/2000	EC10406
	NO3-N+NO2-N	0.015	mg/L	0.003	9/29/2000	07110
	Ammonia-N	35.7	mg/L	0.005	9/13/2000	EC7557
	T-Phosphorous	2.73	mg/L	0.004	9/12/2000	EC15411
	Bio-Oxy-Demand	34	mg/L	2	9/07/2000	08208
	Faecal_Coliform	90000	CFU/dL	1	9/08/2000	036014

Field Data (00/09/05) lagoon
Temperature: 9.5 °C
Conductivity: 703 µS
pH: 8.0 Time: 11:39

WIGA ENVIRONMENTAL LABORATORY
Dept. Indian Affairs & Northern Development
4601-52 nd Ave., Box 1500
Yellowknife, NT. X1A 2R3
Tel. (867) 669-2788
Fax: (867) 669-2718

To: NUNAVUT

Operations Directorate, DIAND
BOX 100

IQALUIT

X0A 0H0

Att'n: Philippe Lavallee

LAB# 201980

SAMPLE INFORMATION

Our Lab#: 201980
Your Sample ID: Dump
Sample Matrix: leachate

PROJECT:

Collection:

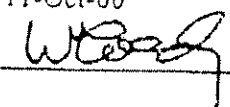
Location: Cape Dorset

Date: 9/05/00

By: Philippe Lavallee

Received Date: 9/7/00

Report Date: 11-Oct-00

Approved By: 

- SAMPLE ANALYSIS REPORT -

Lab#	Test	Result	Units	Detection Limit	Analysis Date	Analytical Method
201980	Calcium	25.3	mg/L	0.05	9/09/2000	EC20003
	Magnesium	8.67	mg/L	0.01	9/09/2000	012102
	Sodium	61.3	mg/L	0.02	9/10/2000	011102
	Potassium	5.54	mg/L	0.03	9/10/2000	EC19102
	Sulphate	39	mg/L	3	9/27/2000	016306
	Tot-Suspended-Solids	21	mg/L	3	9/21/2000	EC10406
	NO3-N+NO2-N	0.716	mg/L	0.003	9/29/2000	07110
	Ammonia-N	0.185	mg/L	0.005	9/13/2000	EC7557
	T-Phosphorous	0.177	mg/L	0.004	9/12/2000	EC15411

Field Data (00/09/05) dump
Temperature: 6.5 °C
Conductivity: 524 µS
pH: 8.4
Time: 11:15

IGA ENVIRONMENTAL LABORATORY
 Dept. Indian Affairs & Northern Development
 4601-52 nd Ave., Box 1500
 Yellowknife, NT. X1A 2R3
 Tel. (867) 669-2788
 Fax: (867) 669-2718

To: NUNAVUT

Operations Directorate, DIAND
 BOX 100

IQALUIT

X0A 0H0

Att'n: Philippe Lavallee

LAB# 201979

SAMPLE INFORMATION

Our Lab#: 201979
 Your Sample ID: Metal Dump
 Sample Matrix: leachate

PROJECT:

Collection:

Location: Cape Dorset

Date: 9/05/00

By: Philippe Lavallee

Received Date: 9/7/00

Report Date: 29-Sep-00

Approved By: W. Tees

RECEIVED
 2 OCT 10 2000
 D.I. N.D.
 Ignace, NT

- SAMPLE ANALYSIS REPORT -

Lab#	Test	Result	Units	Detection Limit	Analysis Date	Analytical Method
201979						
	Tot-Suspended-Solids	10	mg/L	3	9/21/2000	EC10406
	Ammonia-N	< 0.005	mg/L	0.005	9/13/2000	EC7557
	T-Phosphorous	0.035	mg/L	0.004	9/12/2000	EC15411
	Total Arsenic(w)-GFAA	< 1	ug/L	1	9/18/2000	GFAA
	Tot-Cadmium(ICP-MS)	< 0.3	ug/L	.3	8/09/2000	ICP-MS
	Tot-Cobalt(ICP-MS)	< 1	ug/L	1	8/09/2000	ICP-MS
	Tot-Chromium(ICP-MS)	3	ug/L	3	8/09/2000	ICP-MS
	✓ Tot-Copper(ICP/MS)	3	ug/L	2	8/09/2000	ICP-MS
	- Tot-Iron(AA)	1.75	mg/L	0.03	9/12/2000	ICP-MS
	Tot-Manganese(ICP-MS)	16	ug/L	1	8/09/2000	ICP-MS
	Tot-Nickel(ICP-MS)	2	ug/L	1	8/09/2000	ICP-MS
	✓ Tot-Lead(ICP-MS)	1	ug/L	1	8/09/2000	ICP-MS
	✓ Tot-Zinc(ICP-MS)	< 10	ug/L	10	8/09/2000	ICP-MS
	✓ Tot-Mercury(water)	< 0.01	ug/L	0.01	9/08/2000	080314

Field Data (00/09/05) metal dump

Temperature: 9.0 °C

Conductivity: 353 µC

954 POU RTY 26 100 13:01



N.W.T. SPILL REPORT (On Oil, Hazardous Chemicals or other liquids)

100-44288-100

24-Hour Report Line
24-Hour Delta Delta Delta Delta Delta Delta Delta Delta Delta Delta
Phone: (408) 820-8130
Fax: (408) 873-8924

A Incident date and time May 26, 2000 15:00		B Date and time of end of incident May 26, 2000 08:50		C Original report PSO		D File number 00-130	
E Location and area description of incident and description of property RCMP + Habitat of Grise Parrot							
F Products spilled and estimated quantities (include specific volume/weight) contained in spill PSO Red oil 800-1000 litres							
G Cause of spill Valve on fuel tank snapped off							
H Is spill burning? ☒ No		I Is spill in performance area? ☒ No		J Is further spillage possible? ☒ No		K Nature of environmental area and degree of protection 20m²	
L Factors affecting spill or recovery (weather conditions, terrain, time of day, etc.) Snow is hard				M Containment (containment equipment, etc.) YES			
N Action, if any, taken or proposed to contain, recover, clean up or dispose of spillage and minimize/eliminate spillage Immediate action was taken snow is being removed to cleanup for destruction by fire front and back is being used to remove snow.							
O Do you require assistance? ☒ Yes				P Possible hazard to persons, property or environment (e.g. fire, chemical spill, etc.) NO			
Q Comments (e.g. recommendations, etc.) Spill is larger than originally assumed Area of contamination is the same as original report.							
Nunavut Water Board PUBLIC REGISTRY				FOR SPILL LINE USE ONLY Robert End MAY 26/00 14:18			
Reported by White Wolf				Address, Employer, Location Wildlife Officer			
Reported to Line				Telephone 867-897-8932			
Reported by Line				Telephone 867-897-975-5955			

Spill Report Fax

Dial Group #001



Date: March 9, 2001

To: **Baffin Regional Superintendent**-Department of Sustainable Development-Pond Inlet

Lands Manager-Department of Community Government, Housing & Transportation-Kugluktuk

Environmental Health Officer-Department of Health & Social Services-Iqaluit

Nunavut Emergency Services

Nunavut Water Board

Assistant Fire Marshal-Department of Community Government, Housing & Transportation-Cape Dorset

Hamlet of Cape Dorset

Wildlife Officer-Cape Dorset Area Office

From: Environmental Protection Division
Department of Sustainable Development-HQ
Government of Nunavut
P.O. Box 1000, Station 1195
Iqaluit, NU
X0A 0H0

Tel (867) 975-5900
Fax (867) 975-5980

Pages: 2, Including Cover

Comments:
Spill Report 00-130

Spill Report Fax

Dial Group #001



Date: March 9, 2001

To: **Baffin Regional Superintendent**-Department of Sustainable Development-Pond Inlet

Lands Manager-Department of Community Government, Housing & Transportation-Kugluktuk

Environmental Health Officer-Department of Health & Social Services-Iqaluit

Nunavut Emergency Services

Nunavut Water Board

Assistant Fire Marshal-Department of Community Government, Housing & Transportation-Cape Dorset

Hamlet of Cape Dorset

Wildlife Officer-Cape Dorset Area Office

From: Environmental Protection Division
Department of Sustainable Development-HQ
Government of Nunavut
P.O. Box 1000, Station 1195
Iqaluit, NU
X0A 0H0

Tel (867) 975-5900

Fax (867) 975-5980

Pages: 2, Including Cover

Comments:
Spill Report 00-222



FAX TRANSMISSION

Community Government & Transportation
GOVERNMENT OF NUNAVUT
David Parker, Snr. Municipal Planning Engineer
Community Development Division
P.O. BOX 1000, Station 700
IQALUIT, NT, X0A 0H0
PHONE: (867) 975-5311 Fax: (867) 979-5811

02-0397
1000

Clifford
Harris

TO:	DILLON CONSULTING Y-K	DATE:	MAY 09/02
Attn:	PETER MOORE	No. Of Pages:	6 (Including cover sheet)
FAX NO.:	(867) 873-3328	Reply By:	
Reference: CAPR DORSAT EC INSPECTORS DIRECTION			
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MESSAGE

Peter,

Here is Inspector's Direction
I have a copy of our response

to him.

Will review it briefly with you
on Friday when you arrive.

Please try and "wake up" something

that we can have to assist us
when we meet with him

Thanks Dave

PA

INSPECTOR'S DIRECTION

Environment Canada
Environmental Protection
Prairie and Northern Region
Iqaluit District Office
P.O. Box 1870
Iqaluit, Nunavut X0A 0H0

PROTECTED

File: 2002-002

25 March 2002

WITHOUT PREJUDICE

TO: The Hamlet of Cape Dorset

AND TO: The Nunavut Territorial Government

RE: FISHERIES ACT INSPECTOR'S DIRECTION

This letter constitutes an Inspector's Direction to the Hamlet of Cape Dorset and to the Nunavut Territorial Government, under subsection 38(6) of the Fisheries Act, R.S.C. 1985, c. F-14, as amended and relates to the serious and imminent danger of the deposit of raw sewage into water frequented by fish, to wit: Telik Inlet; contrary to subsection 36(3) of the Fisheries Act, R.S.C. 1985, c. F-14, as amended.

REASONABLE GROUNDS FOR BELIEF

I, Wade Cornish, an Inspector designated by the Minister of Fisheries and Aquaculture, pursuant to subsection 38(1) of the Fisheries Act, R.S.C. 1985, c. F-14, as amended have reasonable grounds to believe:

1. That there is out of the normal course of events a serious and imminent danger of a deposit of a deleterious substance by reason of any condition, that is, raw sewage, in water frequented by fish, that is, Telik Inlet; that damage or danger to fish habitat or fish or the use by man of fish may reasonably be expected to result therefrom; and that immediate action is necessary to carry out reasonable measures consistent