ANNUAL REPORT 2007

Submitted to:

Nunavut Water Board

For

Licence: **NWB6DYE0409 - Type "B"**
DYE-M, Cape Dyer, NU

Submitted by: Nasittuq Corporation

31 March 2008

This annual report is submitted to the Nunavut Water Board (NWB) as stipulated in Para. 1, Part B, General Conditions of the following licence:

Licence: NWB6DYE0409 Type “B”

NUNAVUT WATER LICENCE: NWB6DYE0409 Type "B"

North Warning System Long Range Radar – DYE-M, Cape Dyer, Nunavut

The annual operation and maintenance (O&M) activities at Cape Dyer during the reporting period included the quarterly preventive/corrective maintenance, in-house regulatory compliance audits and inspections, routine infrastructure maintenance in preparation for the summer RAMP-UP activities, and fuel resupply. Specific summer projects were Edwards Fire Alarm Panel Replacement, Water Tank Replacement, B-Train Accommodation Upgrade and DLCU Construction.

Water Use

The site reverted to the annual transitory manned status in early May and ramped down in late October, totaling 178 days of continuous site occupancy. The calculated total water usage for the site is 320.4 cubic meters. This is based on 150 litres per person per day, with an average daily occupancy rate of 12 persons. This gives an average daily usage of 1.8 cubic meters, below the 10 cubic meters daily allowed by the license. Note that a water meter has since been installed at the site, and for the 2009 report, we will be able to report actual usage.

Hazardous Waste Disposal

The waste management was consistent with the Nasittuq Environmental Protection Plan, meeting the terms and conditions stipulated in the NWB water licence.

The following items were retrograded to Quebec for disposal in 2007.
Disposal facility: Recyclex, 8381, Place Marien, Montreal-EST Quebec. H1B 5W6

Summary of Waste Retrograde in 2007

DYE-M	Glycol	1 drum
DYE-M	Waste Fuel	1 drum
DYE-M	Waste fuel mixture	1 drum
DYE-M	Waste oil filters	1 drum
DYE-M	Waste fuel filters	1 drum
DYE-M	Waste paint	1 drum
DYE-M	Waste batteries, wet, lead acid	3 crates
DYE-M	Waste batteries, non-spill	1 crate
DYE-M	Waste Oil	1 crate 25 x 5 gal pails
DYE-M	Waste Oil	17 drums

Non Hazardous Solid Waste Disposal

All domestic solid waste was disposed of by burning in a burn bin and buried at a designated on-site landfill.

Refer to Annex A for designated landfill location, with GPS coordinates at DYE-M.

Sewage Discharge

Refer to Annex B for sewage outfall location, with GPS coordinates at DYE-M.

Monitoring Program

Refer to Annex C for sewage analysis for DYE-M.

Product Spills

Two spills occurred during this reporting period.

Date	Product	Quantity	Cause	Locality
02 Jun 2007	Jet A-1	Residue	Cracked flange on empty tank	DYE-M Airstrip
26 July 2007	Jet A-1	3 litres	Bung on a Drum was loose	DYE-M near Burn bin

Revisions to the ERP

No revisions have been effected during this reporting period.

Progressive reclamation work undertaken

There was a significant reclamation effort at DYE-MAIN in 2007. However, this work was implemented by Defence Construction Canada (DCC) as part of the larger DEW Line Clean-Up (DLCU) project. As such, this work was not under the care custody or control of Nasittuq Corporation.

Annex A

Designated landfill location, with GPS coordinates at DYE-M.

DYE-M


Map
Satellite
Terrain
Show labels
66.614167, -61.619444
+66° 36' 51.00", -61° 37' 10.00"
Get directions: To here - From here
Search nearby - Save to My Maps
2000 ft
500 m
©2008 Google - Imagery ©2008 DigitalGlobe, Map data ©2008 NAVTEQ™

Annex B

Sewage outfall location, with GPS coordinates at DYE-M

DYE-M


Map
Satellite
Terrain
100 m
200 ft
©2007 Google - Imagery ©2007 DigitalGlobe, TerraMetrics, Map data ©2007 NAVTEQ™ - Terms of Use


Map
Satellite
Terrain
66.664239, -61.354594
+66° 39' 51.26", -61° 21' 16.54"
Get directions: To here - From here
Search nearby - Save to My Maps
50 m
100 ft
©2007 Google - Imagery ©2007 DigitalGlobe, TerraMetrics, Map data ©2007 NAVTEQ™ - Terms of Use

Annex C

Sewage analysis for DYE-M.

Client: Nasittuq Corp. (Ottawa)
100-170 Laurier Ave.
West Ottawa, ON
K1P 5V5

Attention: Mr. Sam Chang

Report Number: 2803213

Date: 2008-02-25
Date Submitted: 2008-02-13

Project:

P.O. Number:

Chain of Custody Number: 72169

Matrix: Sewage

		LAB ID:	604480	604481				**GUIDELINE**		
		Sample Date:	2008-01-25	2008-01-25						
		Sample ID:	DYE-M	BAF-3						
PARAMETER	**UNITS**	**MRL**						**TYPE**	**LIMIT**	**UNITS**
Biochemical Oxygen Demand	mg/L	1	647	3860						
Conductivity	uS/cm	5	1130	523						
N-NH3 (Ammonia)	mg/L	2.0	94.4	19.8						
NO2 + NO3 as N	mg/L	0.10	<0.10	<0.10						
pH			6.61	5.32						
Phenols	mg/L	0.001	0.385	0.038						
Sulphate	mg/L	1	1	11						
Total Suspended Solids	mg/L	2	466	876						
Calcium	mg/L	1	32	8						
Magnesium	mg/L	1	5	2						
Potassium	mg/L	1	23	50						
Sodium	mg/L	2	64	43						
Arsenic	mg/L	0.05	0.06	<0.05						
Cadmium	mg/L	0.01	<0.01	<0.01						
Chromium	mg/L	0.02	0.06	<0.02						
Copper	mg/L	0.01	1.86	1.92						
Iron	mg/L	0.1	4.4	2.3						
Lead	mg/L	0.01	0.08	0.02						
Mercury	mg/L	0.05	<0.05	<0.05						
Nickel	mg/L	0.01	0.08	0.02						
Zinc	mg/L	0.05	0.56	0.88						

MRL = Method Reporting Limit INC = Incomplete AO = Aesthetic Objective OG = Operational Guideline MAC = Maximum Allowable Concentration IMAC = Interim Maximum Allowable Concentration

Comment: Metals analysis performed on aqua-regia digest of sample material.

APPROVAL: Lorna Wilson
Agriculture Lab Supervisor