



ANNUAL REPORT 2007

Submitted to:

Nunavut Water Board

For

**Licence: NWB6CAM0409 - Type "B"
CAM-M, Cambridge Bay, 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: NWB6CAM0409 Type "B"

NUNAVUT WATER LICENCE: NWB6CAM0409 Type "B"

North Warning System Long Range Radar – CAM-M, Cambridge Bay, Nunavut

CAM-MAIN, Cambridge Bay, is a fully attended site, and supports 12 other unattended radar stations within its Zone. In addition to supporting these sites, work at CAM-MAIN itself includes quarterly preventive/corrective maintenance, in-house regulatory compliance audits and inspections, fuel resupply, and third party related projects.

Water Use

The normal compliment of personnel at CAM-M is 15 people. Among these, some members are day employees from the Cambridge Bay community, and consequently contribute only minimally to the total water consumption at the site. The calculated total water usage for the site is 821.3 cubic meters. This is based on 150 litres per person per day, with an average daily occupancy rate of 15 persons. This gives an average daily usage of 2.3 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 license.

The following items were retrograded to Alberta for disposal.

Clean Harbors, Ryley, Alberta, 2km North Hwy 14, Secondary Rd 854, P.O. Box 309
T0B 4A0

Summary of Waste Retrograde in 2007

LSS-C	Batteries, wet filled with acid	1 crate
LSS-C	Batteries, non spill	1 crate
LSS-C	Acetylene, dissolved	1 cylinder
LSS-C	Refrigerant gas R22, R404A	4 cylinders
LSS-C	Propane	2 cylinders
LSS-C	Calibration kit gas, alarm check gas	4 cylinder
LSS-C	Waste fuel mixture	7 drums
LSS-C	Methanol	1 crate
LSS-C	Waste paint	1 crate
LSS-C	Carbon filters	2 drums
LSS-C	Waste oil	23 drums

Non Hazardous Solid Waste Disposal

All domestic solid waste was disposed of through a contract with the Cambridge Bay community service at the local landfill.

Sewage Discharge

The sewage and grey water at CAM-MAIN, Cambridge Bay, Nunavut is handled by an advanced wastewater treatment system, *Cycle-let®*. The functionality of the system is monitored on-line and maintained by CWC Wastewater Services Inc. on a quarterly basis. Some of the treated water is recycled as on site urinal/toilet flush water, with the excess passing to an outfall. Sampled water quality of the treated water is in Annex B.

Refer to Annex A for sewage outfall location, with GPS coordinates at CAM-M.

Monitoring Program

Refer to Annex B for sewage analysis for CAM-M.

Product Spills

No product spills occurred during this reporting period.

Revisions to the ERP

No revisions have been effected during this reporting period.

Progressive reclamation work undertaken

None undertaken.



Annex A

Sewage outfall location, with GPS coordinates at CAM-M.

CAM-M





Annex B

Sewage analysis for CAM-M.



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Client/Code

CWC Wastewater Services Inc.
Suite 1 - 3971 Oakwood St.
Victoria, BC
V8N 3M9

Date 08Nov07 10:12a No. W76240
Source Discharge
Type of Sample effluent
No. of Samples 2

TEL: 386-8953
FAX: 386-8954
gary@cwcwastewater.com

Comments Arrival temp.: 13.0C
Sampler: Gary

Samples: CAM-Main

SAMPLE	DATE	TIME	BOD ₅ (mg/L)	TDS (mg/L)	TSS (mg/L)
Permeate Before UV	03Nov07	12:10	5.42	480	4.50
Biomass	03Nov07	12:15	---	---	8220
Lab Blank			ND	ND	ND
S ₀			0.300	0.700	0.400
REF. VALUE			19.8	200	210
STD ± 2SD			19.6 ± 1.94	202 ± 15.8	209 ± 11.1
REF. VALUE					2000
STD ± 2SD					1990 ± 123

SD = standard deviation

STD = secondary standard calibrated to primary standard reference material

S₀ = standard deviation at zero analyte concentration; method detection limit
is generally considered to be 3x S₀ value

ND = none detected n/a = not applicable

R. Bilodeau
Analytical Chemist

H. Hartmann
Sr. Analytical Chemist



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