Indian and Northern Affairs Canada
Affaires indiennes et du Nord Canada

Nunavut Regional Office
P.O. Box 2200
Iqaluit, NU, X0A 0H0

Date March 30, 2006

Phyllis Bealieu
Manger of Licensing
Nunavut Water Board
P.O. Box 119 Gjoa Haven,
Nunavut X0B 1J0 Canada

RE: Annual Report for Water Licence Number NWB 5SAR0406 Type B (CAM-F)

As per Clause 1 of PART B: GENERAL CONDITIONS of the above license, attached please find the required annual report.

If you have any questions or comments regarding this project, please do not hesitate to contact the Project Manager, Bob Martin at martinro@inac.gc.ca., or by telephone at (867) 979-7931.

Sincerely,

Natalie Plato
Director, Contaminated Sites
Building1553, P.O. Box 2200
Iqaluit, NU, X0A 0H0
Tel (867) 979-7934 Fax (867) 979-6445
Email: platon@inac.gc.ca
Indian and Northern Affairs Canada, Nunavut Regional Office

Attachments

Canada

The Licensee shall file an Annual Report on the Appurtenant Undertaking with the Board no later than March 31 of the year following the calendar year reported, which shall contain the following information:

i. The monthly and annual quantities (in cubic metres) of fresh water obtained from all sources;

Response: Water samples were collected from Sarcpa Lake to determine water quality. The only water used was bottled water taken to site during a site inspection on July 8th, 2005. The total was less than 1 cubic meter.

ii. A summary of any construction work, modification and major maintenance work carried out on the water supply and solid waste disposal facilities, including all associated structures;

Response: There was no work done water supply and solid waste disposal faculties in 2005.

iii. Tabular summaries for all data and information generated under the "Monitoring Program";

Response: There was no monitoring required on site in 2005.

iv. An analysis of data collected during the "Monitoring Program" and a brief description of any future studies planned by the Licensee;

Response: There currently are no confirmed future study plans.

v. A summary of any abandonment and restoration work undertaken during the year and an outline of any work anticipated for the next year;

Response: There was no abandonment and restoration work done in 2005 as the equipment was only mobilized to Hall Beach and winterized there. The cat train to move equipment and materials to the site, from Hall Beach, has been started in March.

Activities to be conducted in 2006 include:

- Mobilization of all required equipment, materials, supplies and personnel to the site;
- Installation of a temporary camp;
- Camp operation;
- Screening of aggregate to produce various material gradations;
- Construction of a secure soil disposal facility;
- Construction of a non-hazardous waste landfill facility;
- Excavation of hazardous and impacted soil;
- Hazardous materials removal and packaging;
- Infrastructure demolition;
- Collection, sorting and volume minimization of debris; and
- Installation of monitoring wells, ground temperature cables and survey control monuments.

vi. 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;

Response: There are no studies requested by the Board

vii. A list of unauthorized discharges and summary of follow-up actions taken;

Response: Nothing to report

viii. Any revisions to the "Spill Contingency Plan";

Response: Please see Appendix1

ix. A public consultation/participation report describing consultation with local organizations and the residents of the nearby communities;

Response:

2005

March: Community representatives came to Iqaluit and received training on how to do business with government. The representatives also attended the project bidders meeting and met companies interesting in participating in the project.

July: Igloolik Community representatives taken to site

August: QIA representatives were taken to the site

2006

March 22: Meetings held with the Hamlet Council and a Community meeting in Igoolik

March 23: Meetings held with the Hamlet Council and a Community meeting in Hall Beach

x. A brief summary of work done to address concerns or deficiencies listed in the inspection reports and/or compliance reports prepared by an Inspector;

Response: There were no concerns or deficiencies to report against

xi. An executive summary in English and Inuktitut of all plans, reports, or studies conducted under this Licence; and

Response: Please see the appendices provided below

xii. Any other details on water use or waste disposal requested by the Board by November 1st of the year being reported. Nothing to report

Response: There were no requests to report against.

Appendix Index

1. Spill contingency plan taken from "Site Restoration of Sarcpa Lake –Workplan, Appendix 4 (p25-31), Appendix H (Figure 7), and Appendix K" , Biogenie S.R.D.C Inc. December 2005
2. English and Inuktitut executive summaries for the report "Archaeological Impact Assessment CAM-F Dew Line Site Remediation Program, Permit 05028A" Prepared for Jacques Whitford by FMA Heritage Resources Consultants Inc., October 2005
3. English and Inuktitut executive summaries for the report "Screening and Proposed Site Remediation at the Former CAM-F DEW Line Site at Sarcpa Lake, Nunavut", Jacques Whitford March 31, 2005
4. English and Inuktitut executive summaries for the report " Human Health and Ecological Risk Assessment for CAM-F Dew Line Site, Sarcpa Lake" Jacques Whitford, February 4, 2005

Appendix 1

Spill contingency plan taken from "Site Restoration of Sarcpa Lake –Workplan, Appendix 4 (p25-31), Appendix H (Figure 7), and Appendix K" , Biogenie S.R.D.C Inc. December 2005

PART 4 - SPILL CONTINGENCY PLAN

This section outlines the specific measures to be taken in the event of a contingency situation such as a fuel or chemical spill. This plan has been developed to ensure that efficient and environmentally-safe measures will be taken in a contingency situation and that the actions prescribed hereafter meet all regulatory requirements in terms of reporting. Figure 9 in Appendix H provides a plan detailing the locations of the hazardous storage area and emergency equipment devices available on-site for the protection of employees and the environment.

The spill contingency course of action will be posted in various strategic locations on-site and will be part of the WOS. The following information will be included:

- Organization of response procedures.
- Lines of authority and communications to follow in a contingency situation.
- Specific response procedures to various contingency situations.
- Location of an emergency meeting point.
- Location of medical equipment and facilities.
- Location of spill response and protective equipment (Appendix H).
- Location and identification of potential hazardous material on-site.
- Procedures for reporting an incident.
- Specific response procedures to various contingency situations.

4.1 FUEL AND HAZARDOUS MATERIAL SPILL CONTINGENCY PLAN

The purpose of the fuel and hazardous spill contingency plan is to minimize impact on the environment and human health in case of a liquid or solid hazardous material spill by implementing an efficient response plan adapted to various potential hazardous materials encountered on the CAM-F DEW line site.

Various chemical products will be used during the CAM-F site remediation project. Biogenie has taken every possible precaution to minimize the likelihood and limit the potential impact of hazardous material spills. With the exception of the large volume of diesel and gasoline, which will be protected by lined containment, most hazardous products will be stored and used in small quantities.

It should be noted that hazardous material will be transported in compliance with the *TDG Act and Regulations.*

The greatest risk, in terms of likelihood of occurrence, and volume of potential spilled material, is that associated with POL distribution during site activities. All necessary precautions will be taken to prevent and minimize the likelihood of spills, and the misplacement or loss of hazardous materials.

Every precaution will also be taken to prevent and minimize the likelihood of a spill. During winter fuel transportation, spill kits, pumps and a spare tank will be available to transfer products in the event of a spill or leak. Visual inspection will be performed periodically, and winter roads will be maintained in good condition to ensure safe transportation.

However, should a spill occur, emphasis will first be placed on human health. Any person detecting a spill shall take every safety precaution and wear adapted protective gear prior to approaching the spill area.

In the event of a spill, the person in charge shall:

- Isolate or eliminate all sources of ignition and identify the spilled material, if possible.
- Warn people and evacuate the area, if necessary.
- Report the following to the Site Superintendent:
  - the location of the spill;
  - the known or suspected time of the spill;
  - the substance spilled;
  - the estimated volume spilled;
  - the cause of the spill, if possible;
  - the flow direction of the spill.

- Ensure adequate use of spill response equipment.
- Apply emergency response procedures as specified in Appendix I.
- Document all events and measures taken.

Depending on the physical location of the spill, specific supplemental precautions must be taken with regards to the spill response procedures.

➢ ***On Land***

- Prevent dispersion in drainage system and ditch.
- Contain material with sorbent booms, dyke of snow or earth.
- Remove small spills with sorbent pads.

➢ ***Muskeg***

- Ensure integrity of marsh or vegetation.
- Remove free-phase product with pumps and skimmer and low pressure point equipment.
- Minimize damage caused by equipment.

➢ ***Snow and Ice***

- Prevent dispersion into waterways by containment with snow or other material.
- If necessary, pump water surface to recover diesel under ice.
- Remove minor spills with sorbent pads.

➢ ***On Water***

- Contain spill as close to release point as possible.
- Use sorbent booms to contain free-phase product.
- Use skimmer or sorbent pads to recover free-phase product.
- Do not deploy personnel or equipment on wetlands.

4.2 FINAL SPILL REPORT

Spills or accidents will immediately be reported to Biogenie's Site Superintendent. A written spill report will be submitted to the Engineer within 24 hours of the incident. Any spills causing damage to the environment will immediately be reported. If more than 70 L of liquids or solids are spilled into the environment, the appropriate authority will automatically be notified by Biogenie's Site Superintendent.

Following a spill intervention, a final report describing actions taken, confirming the volume of the spill, and addressing future monitoring requirements will be submitted to the Engineer, including a sketched layout and photographs of the spill area. The spill report form is included in Appendix J.

4.3 TRAINING

Only trained personnel will handle fuel and other hazardous material. Training will be provided to workers on how to handle fuel or other substances using available site-specific equipment. Proper usage and handling of hazardous material shall focus on employee training and compliance with WHMIS.

The initial spill response procedure and reporting will be part of the WOS. Refresher training will be given during weekly Health and Safety meetings. Designated employees identified as the spill response team will be trained in the OSHA 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) course.

Employees will take note of spill response material and safety equipment. Its adequate use for maximum efficiency and its various storage locations on-site are provided on Figure 9 in Appendix H. Table II identifies the location and contents of each spill kit.

Table II: Spill Kit Description and Locations

Spill Kit	Location of spill kit	Contents
Liquid spill (4) (petroleum products, sludge, contaminated water)	Fuel storage area Camp area POL storage container Refuelling equipment Cat-train fuel hauling equipment	• Four bags (10 kg each) of loose absorbent material (3M Powersorb™, vermiculite, or equivalent) • Four booms containing absorbent material (3M Powersorb™ or equivalent) • Twelve pads of absorbent material (3M Powersorb™ or equivalent) • Five heavy-duty disposable bags • Two sets of protective clothing and equipment including chemical resistant gloves, a half-face respirator and cartridges, goggles, disposable coveralls (Tyvek™ or equivalent) • A container for storing the above

4.4 KEY CONTACT LIST

In the event of a spill, the Site Superintendent will contact the 24-hour Spill Report Line and provide them with all relevant information.

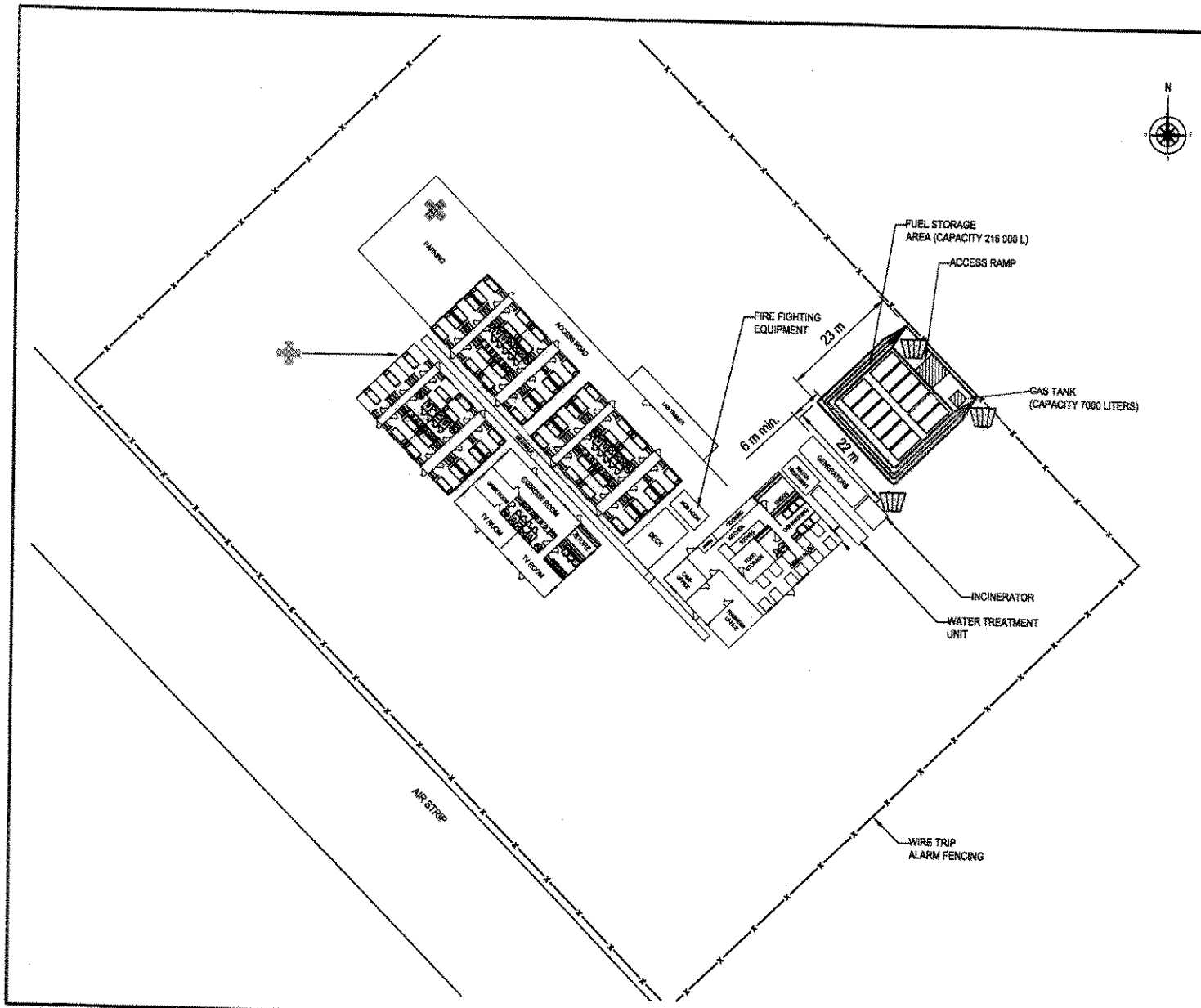
For any other emergency situation requiring contact with relevant authorities, a contact list, as shown in Appendix K, will be posted at various strategic locations within the camp and the office.

Biogénie

SPILL EMERGENCY CONTACT LIST

CAM-F DEW LINE SITE REMEDIATION, SARCPA LAKE
SPILL CONTINGENCY PLAN
REF. NO.: TP5454-001

Resource	Location	Phone Number
24-hour Spill Line	NWT/Nunavut	867-920-8130
Local Fire Department	Gerald Pickett, Chief Fire Marshal Office of the Fire Marshal Nunavut Emergency Services Division Department of Community Government and Transportation Iqaluit, Nunavut	867-975-5310
Environment Canada, Enforcement Branch	Jimmy Noble Environment/Emergencies Enforcement Officer Iqaluit, Nunavut	867-975-4644
Indian and Northern Affairs Canada	Peter Kusugak Iqaluit Region District Operations Manager	867-975-4295
	Iqaluit Office	867-975-4500
Renewable Resources Officer Stations – Baffin Region	Gladis Lemus, Ph.D. Manager Pollution Control and Air Quality Environmental Protection Service Dept. of Sustainable Development Government of Nunavut Iqaluit, Nunavut	867-975-5907
Indian and Northern Affairs Canada – Project Proponent	Iqaluit Office	867-975-4500
	Robert Martin	867-979-7931
Biogenie S.R.D.C. Inc Project Management	Montreal Office	450-961-3535
	Sylvain Laberge	514-895-4517
PWGSC Project Management	Site Supervisor – Ken Gilmet	780-497-3883
	Project Manager – Jared Buchko	780-497-3886
	Project Manager – Brad Thompson	780-497-3862



LEGEND

- DESIGNATED MEETING AREA
- FIRST AID ROOM
- SPILL KIT

0 7,5 15,0 22,5 30,0 37,5m

NO.	VERSION	DATE	BY	VERIF.	APPR.
B	PRELIMINARY REVISE	05-11-28	A.J.	G.R.	S.L.
A	PRELIMINARY	05-10-28	A.J.	G.R.	S.L.

Public Works and Government Services Canada

CAM-F SARCPA LAKE
SITE RESTORATION
SARCPA LAKE, NUNAVUT

HEALTH AND SAFETY PLAN - EVACUATION AND EQUIPMENT LOCATION PLAN

SITE REMEDIATION SOLUTIONS
Biogenie S.R.D.C. Inc.
1140 Lewis Street, Lachenaie, Quebec, CANADA, J6W 5S6
Tel.: (450) 961-3535 Fax (450) 961-0220

UNIT OF MEASURE	SCALE	DATE (DD/MM/YYYY)
METRE	1 : 750	OCTOBER 2005
DRAWN BY: A. JACQUES	VERIFIED BY: G. ROBERY	APPROVED BY: S. LABERGE
PROJECT: ZY9453-001	DRAWING NO.: ZY9453_001_E1_115_2	FILE NAME: NS

FIGURE 9

G:\TP\9454\001\E\49-PRE\CAD\TP9454_001_E4_115_2.dwg

Appendix 2

English and Inuktitut executive summaries for the report "Archaeological Impact Assessment CAM-F Dew Line Site Remediation Program, Permit 05028A" Prepared for Jacques Whitford by FMA Heritage Resources Consultants Inc., October 2005

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Executive Summary

An archaeological resources impact assessment was completed on DEW Line station CAM-F (Sarcpa Lake). A site file search of the corresponding 1:250,000 NTS map sheet was completed to determine the nature and location of previously recorded sites in the region. The field study focused on areas of existing and proposed disturbances in the vicinity of the station.

Occupation and use of the CAM-F station has resulted in extensive disturbance. Lake shore locations associated with borrow areas were disturbed by grading and other vehicular traffic as well as borrow activities. Existing borrow areas have been largely disturbed surficially by grading; areas of additional borrow activity will not impact previously undisturbed areas. The remaining areas surrounding the station, airstrip and roads are all associated with disturbances.

One tent ring was identified during the field study at CAM-F. It is located well away from any proposed remediation activities. No further study relative to the proposed remediation program is recommended.