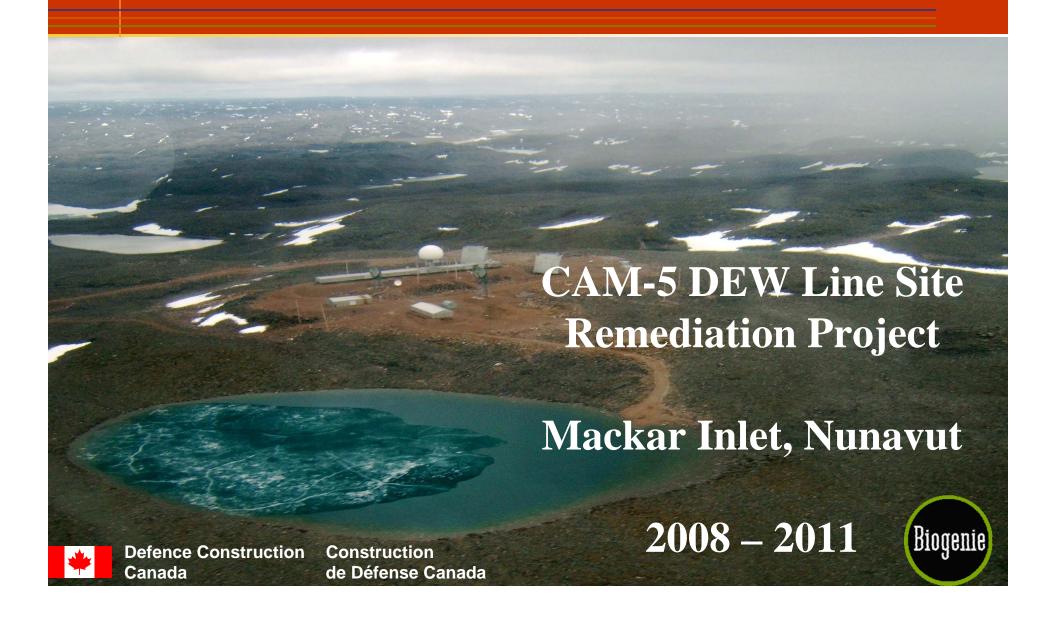
### CAM-5 (Mackar Inlet) DEW Line Cleanup Community Presentation



## **Meeting Agenda**

- Introduction
- Project Overview
- Site Cleanup
- Break
- Construction Camp
- Employment Opportunities
- Questions/Comments
- Door Prizes



### Introduction

### **Project Roles**

#### **Project Owner**

Defence Construction Canada (DCC)

Asha-Rani Boucher-Sharma

#### **Design Consultant for DCC**

•UMA Engineering

Barry Fedorak



#### Introduction

#### Scientific Advisor for DCC

Earth Sciences Group Shari Reed

#### **Site Remediation Operations**

Biogenie S.R.D.C. Inc.
Sylvain Laberge, Project Director
Guillaume Robert, Site Superintendent

**Qikiqtani Inuit Association (QIA)** 



### **Project Location**



### Why we are here

- To present:
  - Key organizations
  - Current project status
  - Employment opportunities
- Hear input



### **Project Organization**

DEFENCE CONSTRUCTION CANADA

**Project Owner** 

ASHA-RANI BOUCHER-SHARMA

**UMA ENGINEERING** 

Design Consultant

BARRY FEDORAK

EARTH SCIENCES GROUP

Scientific Advisor

SHARI REED

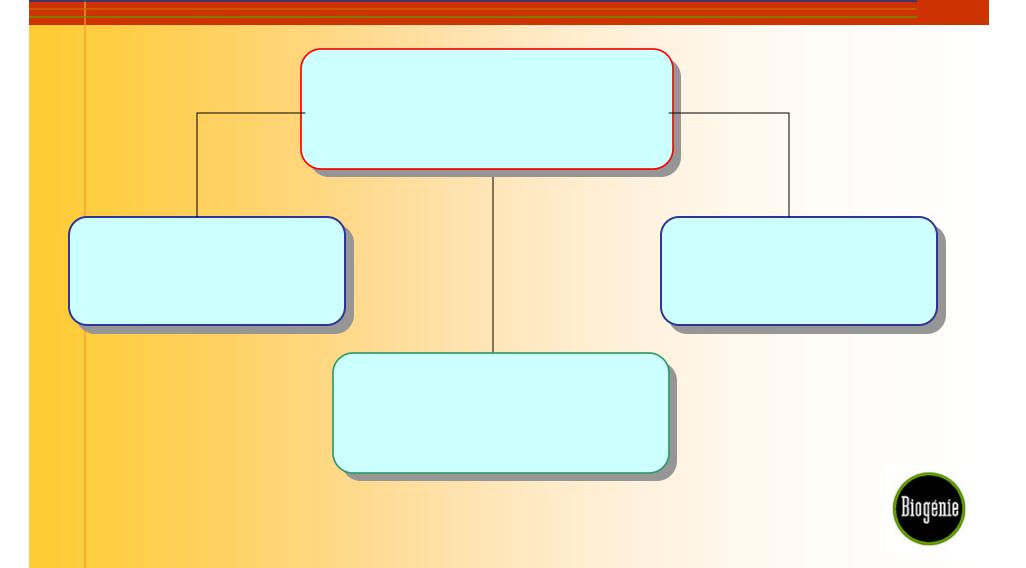
BIOGENIE S.R.D.C. INC.

Prime Contractor

SYLVAIN LABERGE



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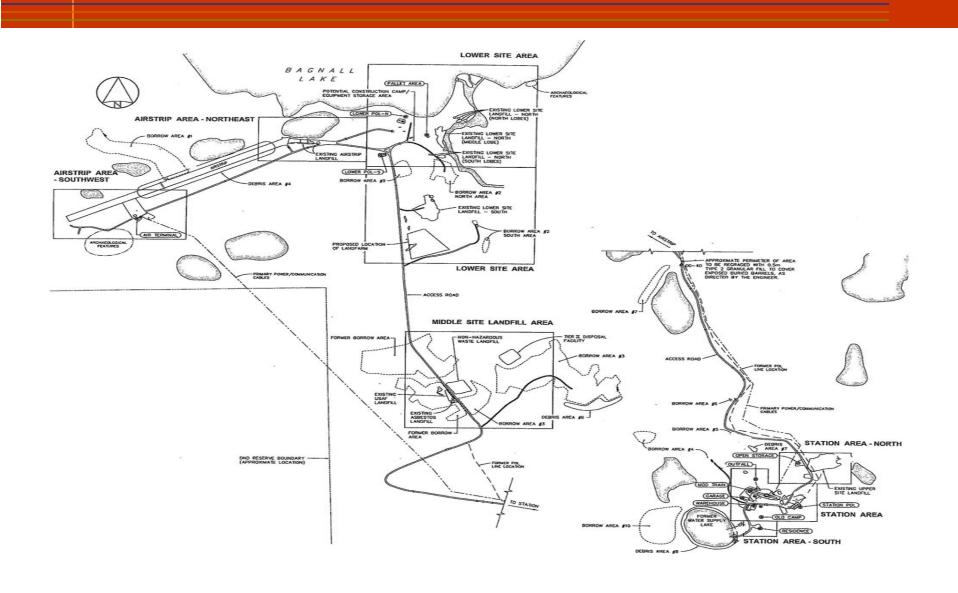


### Site History

- Built in the 1950's
- Used as an auxiliary DEW line site
- Site was decommissioned in 1992
- Buildings and equipment abandoned
- Detailed site investigations carried out in 2000 and 2002



## Site Layout



### **Project Objectives**

- Minimize environmental impacts to humans and wildlife at the site
- Bring benefits to Northerners and businesses
- Ensure the project is in accordance with all Government of Canada policies
- Complete the project by 2011



## **Project Overview**

- Cat-Train
- On-site Operations
- Construction Camp
- Project Scheduling



### **CAT-Train** Details

- From mid-March 2008
- Trail scouting and ice profiling
- Preparation of equipment
- Estimated 125 loads (from either Sarcpa Lake or Hall Beach)
- Loads to be hauled on sleighs by Challenger tractors









## On-site Operations

- Building and Structures Demolition
- Debris Removal
- Contaminated Soil Excavation
- Granular Material Production
- Landfill Construction
- Landfarming
- Instrumentation



### On-site Operations

# Building and Structures Demolition

- Tower and radome, radar
- Module train
- Garage
- Fuel tanks
- POL tanks
- Warehouse
- Communication dish.
- Satellite TV dish
- Communication billboards





### On-site Operations

#### **Demolition** (cont.)

Hazardous Material Management

#### **Asbestos:**

Bagging and landfilling

#### PCBs and lead paint:

- Removal
- Containerization in barge containers
- Off-site disposal (transport South)





### On-site Operations

#### Debris Removal

- Scattered debris
- Landfill debris
- Debris in and around lake
- Debris crushed and disposed in landfill







### On-site Operations

## Debris Removal (cont.)

#### **Barrel** processing

- 1. Barrel assessment
- 2. Product consolidation
- 3. Barrel cleaning
- 4. Barrel crushing /Disposal









### On-site Operations

#### Contaminated Soil Excavation

- Tier I Soil: Soil slightly contaminated to be used in NHW Landfill
- Tier II Soil: Contaminated soil to be confined in the secure disposal facility
- Hazardous Soil: Soil to be excavated, containerized and transported South for proper final disposal







### On-site Operations

#### **Granular Material Production**

150,000 cubic metres (25,000 truck loads) of granular material will be produced to be used for:

- Landfill construction
- Regrading
- Backfilling of areas where contaminated soil has been excavated







### On-site Operations

#### **Landfill Construction**

- Secure Landfill: Lined to Confine Contaminated Soil
- Non-Hazardous Waste Landfill: Disposal of noncontaminated debris









### On-site Operations

#### **Landfarming**

Contaminated soil is spread into a thin layer and nutrients are added to aid in the biological decontamination process. The soil is then tilled periodically to increase its exposure to the air.

For this project, approximately 7,500 cubic metres (1,250 truck loads) of contaminated soil will be landfarmed.





### On-site Operations

#### **Instrumentation**

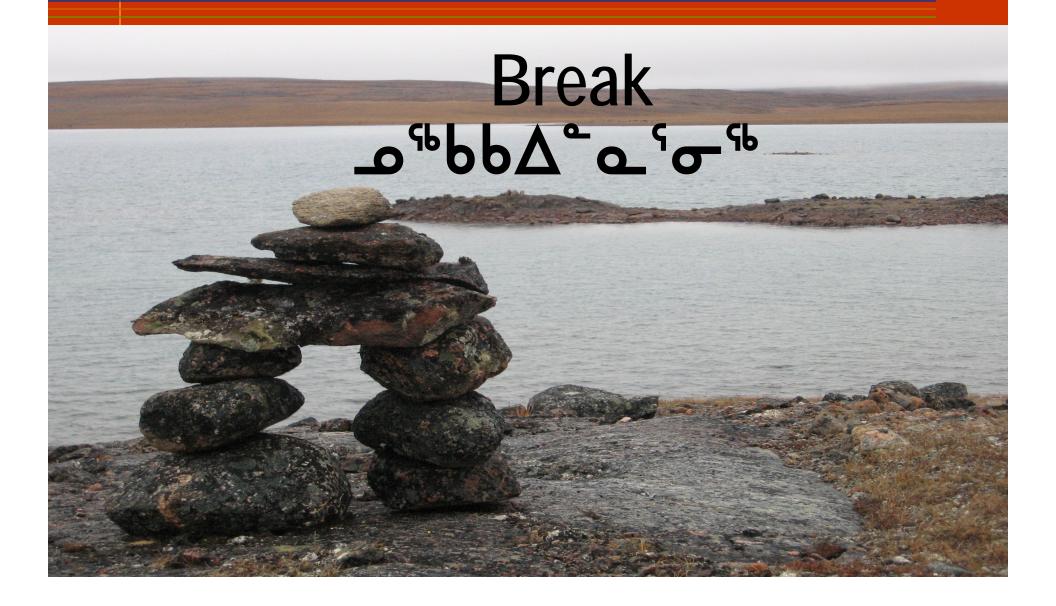
#### **Installation** of :

- Monitoring wells
- Ground temperature thermistors
- Permanent survey monuments









## **Camp Operations**

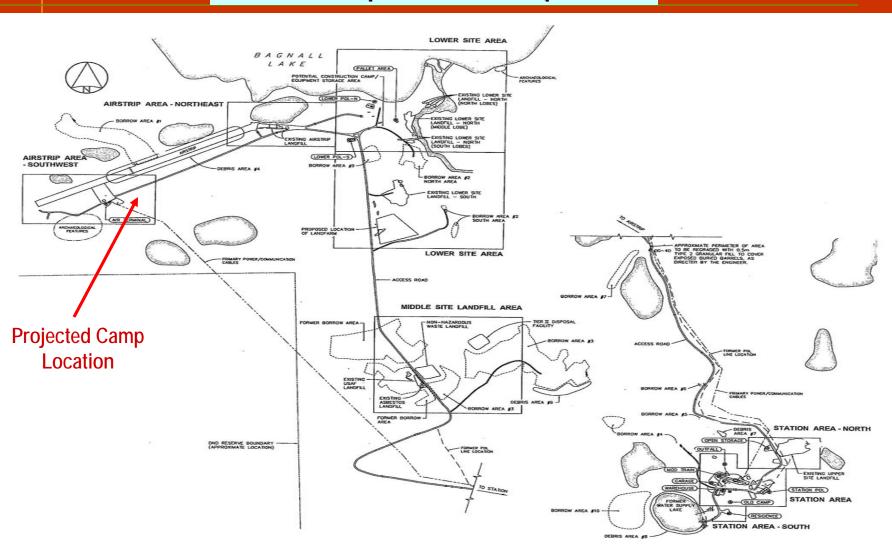
- Camp Construction Details
- Potable Water Management
- Waste Management
- Camp Winterization / Surveillance





## **Camp Operations**

### **Camp Location Map**



### Camp Operations

Mackar Inlet Construction Camp is a 50-man capacity camp separated into 5 complexes

#### Complex #1:

- Camp Office
- **■**Separate female quarters
- First aid room

#### Complexes #2 & #3

Double occupancy dormitories

#### Complex #4

Recreation complex

#### Complex #5

- Kitchen/ dining room complex
- Site office

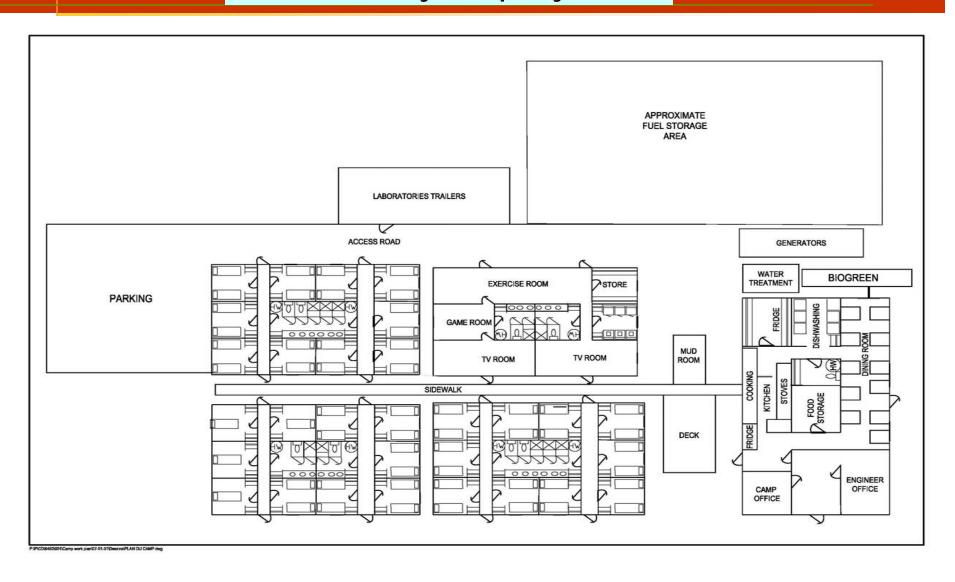






## **Camp Operations**

### **Preliminary Camp Layout**



### **Camp Operations**

#### Recreational Complex

-DVD room

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-Games

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-Fitness room

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-Internet facility

-Laundry facility

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## **Camp Operations**

### **Dormitories Complex**

- Double occupancy rooms
- Toilet/ shower in each complex
- Female quarters







### **Camp Operations**

#### Kitchen / Dining Complex

- Cooking / dishwashing facillities
- Dining room
- Dry food storage
- Freezer / cooler
- Washroom
- Phone access











### Camp Operations

#### Water Supply

Water supply from Bagnall Lake with water trucks

#### Potable water treatment

- Activated carbon / sediment filter
- Ultra Violet disinfection system

#### Water sampling

- Sampling campaigns
- Results must be compliant with Health Canada criteria







## **Camp Operations**

### Waste Management

- Combustible waste incinerated on site
- Non-combustible waste disposed of in the non-hazardous waste landfill







### **Camp Operations**

#### **Winterization**

- Wood skirting around the camp
- Windows and doors placarded
- No valuable equipment left on site
- Diesel fuel storage tank locked
- No gas left on site
- Site surveillance on a regular basis







### Camp Operations

#### **Employment Conditions**

- Room and board provided
- Three weeks on/one week off
- Work shift 11 hours/day
- Day and night shifts



### **Camp Operations**

#### **Site Limitations**

- Only Wildlife Monitors are allowed to bring a gun on site
- The region around CAM-5 supports
   one of the largest polar bear populations
   in the Canadian Arctic employees must
   remain inside the perimeter patrolled
   by bear monitors at all times
- No drugs or alcohol are permitted on site



#### **Employment Opportunities**

#### **Cat-train Mobilization**

- Heavy equipment operators
- Labourers
- Wildlife monitors / Scouts
- Cook's helper







#### **Employment Opportunities**

#### Site Remediation (2008-2009)

- Loader / Tractor operators
- Dozer operators
- Truck drivers
- Labourers
- Mechanic & surveyor helpers
- Wildlife monitors
- Site clerk





#### **Employment Opportunities**

#### <u>CAMP</u>

- Camp Erection (2008)
  - Electrician & Plumber
  - Carpenters
  - Labourers
- Camp Operation (2008-2009)
  - Camp Attendant
  - Cook's Helper







#### **Employment Opportunities**

#### **Employment Process**

- Job description/requirements to be posted on Biogenie's Website and at the Hamlet's Employment Office
- Resumes to be mailed/faxed or e-mailed
- Interview to be scheduled in coordination with the Hamlet Employment Office

www.biogenie-env.com jobs@biogenie-env.com







