



Crown-Indigenous Relations  
and Northern Affairs Canada

Relations Couronne-Autochtones  
et Affaires du Nord Canada

# **FOX-D Kivitoo Remediation Project**

## **2018 Annual Report**

**Land Use Permit No. N2016U0001**

## a) A summary of activities undertaken for the year

The project team was at the FOX-D Kivitoo site from June 26<sup>th</sup> to October 4<sup>th</sup> 2018. Remediation activities included:

- Camp operations
- Contaminated soil excavations
- Debris excavation and collection, sorting/consolidation, packaging and stockpiling for off-site transport
- Landfarm operations and decommissioning
- Site grading and culvert removal
- Demobilization preparation and staging waste for off-site transport.
- At the end of the field season, equipment, materials, and wastes were staged for off-site transport in anticipation of the 2018 sealift. However, due to sealift schedule delays, only partial demobilization of equipment and wastes from FOX-D occurred in 2018, with the final demobilization rescheduled to 2019.

## a) A map showing the following items with exact coordinates (degrees/min/sec, in NAD 83)

- All drilling locations
- All fuel caches
- Any other location where activities were conducted

Description	GPS Coordinates	
	Latitude	Longitude
Camp	67°56'5.75"N	64°54'14.81"W
Airstrip	67°56'1.22"N	64°52'0.43"W
Fuel Cache (until Sep 2018)	67°56'5.20"N	64°54'20.60"W
Fuel Cache (as of Sep 2018)	67°55'49.6871"N	64°53'44.5194"W
Drilling location	n/a	n/a

See map provided in Appendix A.

## b) A work plan for the following year, including any progressive reclamation work undertaken:

- Final demobilization of waste, hazardous materials, soil, and equipment from FOX-D via sealift
- Final disposal of all wastes to approved disposal facility
- Final community meeting in Qikiqtarjuaq

The information provided below is in addition to that required by the Land Use Permit:

a) A summary of local hires, contracting opportunities, and initiatives

The contracting/procurement procedure adopted for this project maximized and continues to maximize the benefits of the project to the closest northern community (Qikiqtarjuaq) by employing local and northern employees and engaging the services of local and northern subcontractors.

The contract for the remediation of FOX-D Kivitoo was awarded to Englobe Corp. and guarantees an Inuit employment level of 75% for on-site work and that 85% of the sub-contracting costs will be spent with Inuit owned businesses. The primary sub-contractor working on the project is Sila Remediation, an Inuit owned business based in Igloolik. The employment and subcontracting statistics for 2018-19 are presented below.

In an effort to encourage local employment and participation, a local community liaison officer (CLO) was employed in the hamlet of Qikiqtarjuaq throughout the project. The CLO provided hiring information to the community, gathered and distributed applications, made radio announcements detailing available positions and provided recommendations to Englobe management about local hires. In addition to the local CLO, Englobe collaborated with the Qikiqtarjuaq Economic Development Officer throughout the recruitment process.

Category	Metric	Value
Total employment	Number	77
	(person-hr)	19,651
Northern employment (includes Indigenous)	Number	30
	(person-hr)	10,418
Indigenous employment	Number	28
	(person-hr)	9,952
Total suppliers & sub-contractors	Number	44
	Value (\$)	2,406,116
Northern suppliers (includes Indigenous)	Number	14
	Value (\$)	1,536,902
Indigenous suppliers	Number	9
	Value (\$)	1,525,015

b) A summary of flights, frequency of flights and flight routes

A return flight from Iqaluit – Qikiqtarjuaq – FOX-D Kivitoo occurred on a weekly basis, for a total of 23 flights occurring between June 26<sup>th</sup> and October 4<sup>th</sup>, 2018.

c) Details regarding marine vessels used for barge transportation and their travel routes

The partial demobilization of debris, hazardous materials, and soils bagged to date occurred via NEAS sealift. A barge was used to shuttle materials from the beach landing area to the ship. The

sealift vessel transported wastes off-site from FOX-D Kivitoo, NU to Valleyfield, QC on September 4, 2018 and on October 2, 2018.

d) Site photos

Site photos are provided in Appendix B.

e) A summary of community consultations undertaken

A community consultation meeting was held in Qikiqtarjuaq, NU on June 5, 2018. See Appendix C for the presentation and record of questions and comments.

f) A log of instances in which community residents occupy or transit through the project area for the purpose of traditional land use harvesting

Date	Number of Visitors	Comment
11/07/2018	2	Passing hunters
27/07/2018	n/a	Boat visitors from Qikiqtarjuaq
28/07/2018	n/a	Boat visitors from Qikiqtarjuaq
03/08/2018	n/a	Boat visitors from Qikiqtarjuaq
04/08/2018	n/a	Boat visitors from Qikiqtarjuaq
05/08/2018	n/a	Boat visitors from Qikiqtarjuaq
10/08/2018	2	Boat visitors from Qikiqtarjuaq
19/08/2018	4	Passing hunters
26/08/2018	4	Boat visitors from Qikiqtarjuaq
28/08/2018	4	Boat visitors from Qikiqtarjuaq
30/08/2018	3	Passing hunters
01/09/2018	2	Passing hunters
03/09/2018	8	Boat visitors from Qikiqtarjuaq
04/09/2018	2	Passing hunters
08/09/2018	6	Passing hunters
09/09/2018	n/a	Boat visitors from Qikiqtarjuaq
10/09/2018	n/a	Boat visitors from Qikiqtarjuaq - picked up barrels for use in the community
11/09/2018	n/a	Boat visitors from Qikiqtarjuaq - picked up barrels for use in the community
02/10/2018	4	Passing Narwhal hunters

g) A summary of how the Proponent has complied with conditions contained within the Screening Decision, and all conditions as required by other authorizations associated with the project proposal.

The FOX-D Kivitoo Remediation Project has maintained compliance with all applicable terms and conditions of Land Use Permit No. N2016U0001. The project has also obtained and complied with all other pertinent licences and permits including:

- Nunavut Water Board Water Licence 1BR-KIV1621
- Qikiqtani Inuit Association Land Use Exemption Certificate Q16X015 (renewal QX-1904)
- Quarry Permit 2017QP0013-2017QP0019

A summary of compliance with all project Terms and Conditions will be provided at the completion of the project.

**APPENDIX A:**  
**FOX-D Kivitoo Remediation Project**  
**Site Maps**

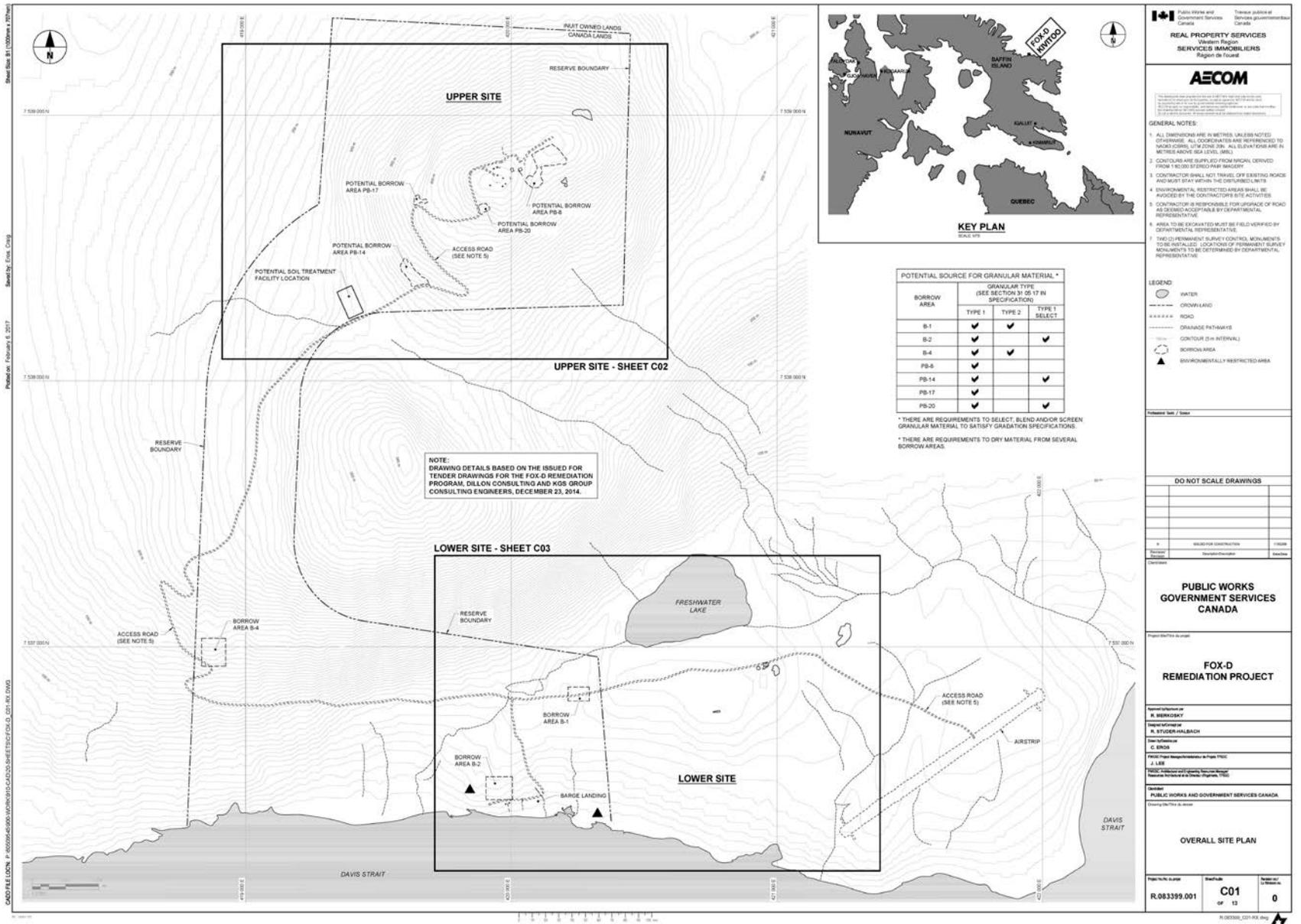


Figure 1. FOX-D Kivitoo overall site map.



Figure 2. FOX-D Kivitoo lower site map.

**APPENDIX B:**  
**FOX-D Kivitoo Remediation Project**  
**Site Photos**



Figure 3. Consolidating remediated soil within the landfarm at FOX-D Kivitoo.



Figure 4. Excavating contaminated soil from APEC 12-3 and containerizing the soil at FOX-D Kivitoo.



Figure 5. Sorting metal debris at the Temporary Storage Area for containerization at FOX-D Kivitoo.



Figure 6. Environmental Inspector completing confirmatory sampling at the base of a contaminated soil excavation within APEC 9-1 at FOX-D Kivitoo.



Figure 7. View of loader loading rock truck with material from clean stockpiles within the Material Processing Area for transport to APEC 11B – Lobe A at FOX-D Kivitoo.



Figure 8. Contaminated soil bags at FOX-D Kivitoo to be transferred off-site.



Figure 9. View of decommissioned Soil Treatment Area at FOX-D Kivitoo.



Figure 10. Barge transferring soil bags to the sealift at FOX-D Kivitoo.

**APPENDIX C:**

**FOX-D Kivitoo Remediation Project**

**Community Consultation Record**

# Minutes of Meeting

Date of Meeting June 5, 2018 Start Time 19:35 EST Project Number 60509545 (600/4/7)

Project Name FOX-D Site Remediation

Location Community Hall in Qikiqtarjuaq, NU

Regarding FOX-D 2018 Interseason Community Meeting Minutes

Attendees  
 INAC: Lilianne Kydd  
 PSPC: Janice Lee  
 Englobe: Guillaume Robert  
 AECOM: Ben Reich  
 Rosemary Metuq (Translator)  
 Members of the Qikiqtarjuaq Community (see attached photographs and attendance sheets).  
 - More than 50 people in attendance (note that not everyone signed the attendance sheets (46 people signed the sheets)).

Distribution  
 INAC: Lilianne Kydd  
 PSPC: Janice Lee, Teresa Olson, Carl Zaminer  
 Englobe: Guillaume Robert, Nancy Davis, Brandon MacKay  
 AECOM: Roland Merkosky, Jessica Stepney, Brian Nguyen, Ben Reich

Minutes Prepared By Ben Reich

**PLEASE NOTE:** If this report does not agree with your records of the meeting, or if there are any omissions, please advise, otherwise we will assume the contents to be correct.

Item	Discussion	Action
0.0	<p><b><u>Welcome, Appreciation for Attendance, Presentation of the Meeting Agenda</u></b></p> <ul style="list-style-type: none"> <li>• Englobe welcomed all the attendees and expressed gratitude toward those in attendance.</li> <li>• The meeting agenda was outlined and included the following:                             <ol style="list-style-type: none"> <li>1. Introduction</li> <li>2. Project Objectives</li> <li>3. Project Overview</li> <li>4. Scope of Work</li> <li>5. Heritage Resources</li> <li>6. Employment and Training</li> <li>7. Inuit Economic Benefits</li> <li>8. Special Considerations</li> <li>9. Question Period</li> <li>10. Snacks and Door Prizes</li> </ol> </li> </ul>	Information
1.0	<p><b><u>Introduction</u></b></p> <ul style="list-style-type: none"> <li>• Overview of the key organizations involved in the project                             <ul style="list-style-type: none"> <li>○ Indigenous and Northern Affairs Canada (INAC) is the project owner. Lilianne Kydd (Project Manager for INAC) in attendance at meeting to represent INAC.</li> </ul> </li> </ul>	Information

	<ul style="list-style-type: none"> <li>○ Public Services and Procurement Canada (PSPC) is taking care of contracting and project management for INAC. Janice Lee (Project Manager for PSPC) in attendance at meeting to represent PSPC.</li> <li>○ Englobe Corp. (Englobe) is the remediation contractor for the site. Brandon MacKay (Site Superintendent for Englobe) unable to attend meeting. Guillaume Robert (Project Manager for Englobe) in attendance at meeting to represent Englobe.</li> <li>○ AECOM provides on-site supervision and technical advice for PSPC. Brian Nguyen unable to attend meeting. Ben Reich in attendance at meeting to represent AECOM.</li> <li>○ SILA Remediation (SILA) is the main sub-contractor providing the workforce.</li> <li>● Overview of meeting objectives             <ul style="list-style-type: none"> <li>○ To present the key organizations, the project status, and upcoming employment opportunities.</li> <li>○ To listen to input from the community.</li> </ul> </li> </ul>	
<p><b>2.0</b></p>	<p><b><u>Project Objectives</u></b></p> <ul style="list-style-type: none"> <li>● Minimize environmental impacts.</li> <li>● Bring benefits and business to “Northerners”.</li> <li>● Ensure that the project respects government legislation.</li> <li>● Complete site work in 2018.</li> </ul>	<p>Information</p>
<p><b>3.0</b></p>	<p><b><u>Project Overview</u></b></p> <ul style="list-style-type: none"> <li>● Project location (slide shown presenting map of project location).</li> <li>● The site was built in the 1950’s and was used as an intermediate DEW Line site.</li> <li>● Operations at the site ceased in 1963, and the equipment and buildings have been abandoned.</li> <li>● Detailed site investigations were carried out prior to award of contract.</li> <li>● Photograph was shown presenting snapshot of site in 1959/1960.</li> <li>● Status of the project:             <ul style="list-style-type: none"> <li>○ Englobe was awarded the project in May 2016.</li> <li>○ Remediation equipment and camp was brought in via sealift in the fall of 2016.</li> <li>○ Remediation work took place from June to September of 2017 and is expected to continue from June to September of 2018.</li> <li>○ The project will be completed this year and all equipment, the camp, and contaminated materials will be transported south on sealift.</li> <li>○ An Elder’s tour is expected to take place in August of 2018.</li> </ul> </li> </ul>	<p>Information</p>
<p><b>4.0</b></p>	<p><b><u>Scope of Work</u></b></p> <ul style="list-style-type: none"> <li>● Upgrade and maintenance of roads and airstrip.</li> <li>● Buried debris excavation.</li> <li>● Removal and off-site disposal of hazardous and non-hazardous material.</li> <li>● Demolition of old buildings and POL tanks.</li> <li>● Removal of debris, including barrels.</li> <li>● Excavation and treatment of PHC contaminated soil.</li> <li>● No landfill is being constructed on site for the remediation.</li> <li>● All debris and excavated heavily contaminated soil will be packaged, transported south, and disposed of in an authorized landfill.</li> </ul>	<p>Information</p>

	<ul style="list-style-type: none"> <li>• Packaging and removal of all hazardous waste (including asbestos, PCBs, and lead).</li> <li>• Cleaning of barrels.</li> <li>• Wastewater treatment on site.</li> <li>• Work completed in 2016 included (photographs were presented that showed each of these activities):             <ul style="list-style-type: none"> <li>○ Mobilization to site via sealift.</li> <li>○ Upgrading access roads and the airstrip.</li> <li>○ Test pitting to delineate contaminated areas.</li> <li>○ Construction of a gravel pad for the main camp.</li> <li>○ Setup of temporary camp.</li> </ul> </li> <li>• Work completed in 2017 included (photographs were presented that showed each of these activities):             <ul style="list-style-type: none"> <li>○ Debris removal in all areas except the old whaling station. Debris around the old whaling station will be removed in 2018 with the help of an archaeologist so that no heritage resources are removed.</li> <li>○ All POL tanks, except one, were demolished. The remaining tank will be demolished in 2018, and all tanks will be sent south for disposal in 2018 on the sealift.</li> <li>○ Demolition and removal of the POL tank bases and the garage concrete pad.</li> <li>○ Construction of a Barrel Processing Area and washing of barrels. Most barrels have been washed.</li> <li>○ Excavation of buried debris. A combined total of approximately 8,400 m<sup>3</sup> of buried debris has been excavated at the upper and lower sites. This activity will be completed in 2018.</li> <li>○ Excavation of contaminated soil. Approximately 5,200 m<sup>3</sup> of contaminated soil has been excavated and either treated or, if not treatable, has been bagged for disposal off site. Approximately 965 bags of contaminated soil were sent south via sealift in 2017. Excavation and treatment or removal of contaminated soil will be completed in 2018. Englobe expects approximately 1,000 m<sup>3</sup> contaminated soil to be removed from site in 2018.</li> <li>○ The soil treatment facility was built and approximately 4,800 m<sup>3</sup> of contaminated soil has been treated.</li> </ul> </li> </ul>	
<p><b>5.0</b></p>	<p><b><u>Heritage Resources</u></b></p> <ul style="list-style-type: none"> <li>• An Archaeological Impact Assessment was completed in 2013. It was completed to make sure that areas of archaeological significance were not disturbed during the remediation.</li> <li>• An archaeologist will come to site this season (2018) to identify heritage resources around the old whaling station.</li> <li>• A photograph showing an example of heritage resources was presented.</li> </ul>	<p>Information</p>
<p><b>6.0</b></p>	<p><b><u>Employment Opportunities</u></b></p> <ul style="list-style-type: none"> <li>• A list of work conditions was presented that included:             <ul style="list-style-type: none"> <li>○ Room and board is provided.</li> <li>○ Three-week work shift rotation.</li> <li>○ Twelve-hour days, seven days per week.</li> <li>○ Day shift only (no night shift) except wildlife monitors.</li> <li>○ Travel to site will be by plane and/or boat.</li> </ul> </li> </ul>	<p>Information</p>

	<ul style="list-style-type: none"> <li>• Englobe / SILA will be hiring for the following positions:             <ul style="list-style-type: none"> <li>○ Heavy equipment operators.</li> <li>○ Labourers.</li> <li>○ Wildlife monitors.</li> <li>○ Mechanic / mechanic assistant.</li> <li>○ Truck drivers.</li> <li>○ Janitors.</li> <li>○ Cook Assistant.</li> </ul> </li> <li>• Englobe mentioned the possibility for training opportunities. The possible training opportunities included:             <ul style="list-style-type: none"> <li>○ Heavy equipment operation and maintenance.</li> <li>○ Transportation of Dangerous Goods (TDG).</li> <li>○ Asbestos abatement.</li> <li>○ Lead based paint /PCB amended paint removal.</li> <li>○ Logistics and administration.</li> <li>○ Hazardous Waste Operation and Emergency Response (HAZWOPER)</li> <li>○ Environmental sampling.</li> <li>○ Cook / cook backup.</li> </ul> </li> <li>• Englobe discussed the employment process:             <ul style="list-style-type: none"> <li>○ Job descriptions, job requirements, and application forms are available from Daisy Arnaquq (the Community Liaison).</li> <li>○ Application forms can be faxed or emailed.</li> <li>○ Interviews will be scheduled in coordination with SILA.</li> <li>○ Application forms and information sheets also available from the front table.</li> </ul> </li> <li>• Englobe discussed site restrictions:             <ul style="list-style-type: none"> <li>○ Only wildlife monitors are allowed to have guns.</li> <li>○ Employees must remain within the perimeter patrolled by the wildlife monitors.</li> <li>○ No drugs or alcohol are permitted on site.</li> <li>○ No hunting is allowed on site; however, fishing is permitted.</li> <li>○ Mobile devices are prohibited on the worksite during work hours.</li> </ul> </li> </ul>	
<p><b>7.0</b></p>	<p><b><u>Inuit Economic Benefits</u></b></p> <ul style="list-style-type: none"> <li>• SILA is in charge of hiring.</li> <li>• Englobe intends to provide opportunities for majority of Inuit employees to be hired from Qikiqtarjuaq.</li> <li>• 85% of the project contract value is to be injected through Inuit-owned supplies.</li> </ul>	<p>Information</p>
<p><b>8.0</b></p>	<p><b><u>Special Considerations</u></b></p> <ul style="list-style-type: none"> <li>• Visitors who are planning to access the site are invited to notify the Community Liaison Office in advance and are requested to not simply show up without notice. The site is considered dangerous, and these procedures are for safety reasons.</li> <li>• Camp facilities and work areas are to be accessed by authorized personnel only.</li> <li>• Site health and safety policies must be respected by all visitors on site.</li> <li>• When coming to work, bring steel-toed work boots with you to site.</li> </ul>	<p>Information</p>

<p>9.0</p>	<p><b>Questions and Answers</b></p> <ul style="list-style-type: none"> <li>• Some questions were asked in English and some were asked in Inuktitut. All questions were answered in English and translated into Inuktitut.</li> <li>• <b>Q1</b> (asked in English): What if you want to work more than twelve hours (in a day)? <b>A1:</b> Twelve hours is the maximum amount allowed under the extended work permit.</li> <li>• <b>Q2</b> (asked in English): Is it possible to work for the surveyor? <b>A2:</b> The surveyor will need help. Generally, a labourer is used to assist the surveyor. Englobe will look into it.</li> <li>• <b>Q3</b> (asked in Inuktitut): We see that a lot of people are applying for jobs, but Englobe seems to be hiring the same people. <b>A3:</b> The project is smaller and it is not possible to hire everyone. Some have worked with Englobe before. Some are returning, and some are not. Englobe will look at the applications and will be contacting people in the next two weeks. Also, in 2017, several new workers were hired. <b>Q3b</b> (asked in Inuktitut): The reason the question was asked is because Englobe needs to hire a minimum percentage of Inuit. <b>A3b:</b> There is a percentage of Inuit workers set in the contract. Some positions have not been filled with the local workforce, but as many positions as possible will be filled with the local workforce.</li> <li>• <b>Q4</b> (asked in Inuktitut): Are there enough wildlife monitors to make sure the workers are safe? <b>A4:</b> Wildlife monitors are always on (both day and night) and are always around workers. If there is a bear, the wildlife monitors will be notified, and they will attempt to chase the bear away. However, safety first. The bear will only be put down if necessary. If there is a bear, no workers will be allowed in the area near the bear.</li> <li>• <b>Q5</b> (asked in Inuktitut): If you kill a bear, will Englobe pay the fine and to who? <b>A5:</b> If we kill a bear, we will try and not do it before talking to a wildlife officer. Killing a bear is a last resort. If there is a fine, we will pay it. The workers' safety comes first. There was an experience on one previous site where a bear caught people by surprise, and it had to be put down before the wildlife officer could be contacted. The wildlife officer was then called and the situation was explained.</li> <li>• <b>Q6</b> (asked in Inuktitut): Can Englobe support the install of a repeater station in Kivitoo that would make hunting activities safer? <b>A6:</b> Englobe has initiated discussions with the Hamlet and will help in anyway they can to provide the workforce.</li> <li>• <b>Q7</b> (asked in Inuktitut): I applied for a janitor position in 2017 but was not selected for employment. I heard that during the summer, Englobe hired someone that did not apply. Why was I not selected? Do we fill out the application for nothing? <b>A7:</b> Englobe will look into this. Guillaume requested the person who asked the question to see him after the meeting to make sure Englobe has their information. He mentioned that they have a database of information that they keep in order to contact people as needed.</li> <li>• <b>Q8</b> (asked in English): The requirement for Inuit employment is 85% this year. What was the percentage of Inuit employed last year?</li> </ul>	<p>Information</p>
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	<p><b>A8:</b> No one was sure what the percentage of Inuit employment was last year. The final percentage of Inuit employment will be provided at the next community meeting.</p> <ul style="list-style-type: none"> <li>Between Q7 and Q8, one of the attendees requested to make a remark. The remark was made in English, and then the person who made the remark stated it again in Inuktitut. The following is a summary of the remark and the response to the remark:  <b>Remark:</b> I worked at FOX-C in the past and have worked for QIA over the past two years. Several past projects have provided employment opportunities. I want to say thanks on behalf of QIA. We hope as a community that more opportunities arise. People should consider applying for Baffinland and North Baffin. QIA is looking forward to the elders visit. I hope there will now be more tourism opportunities at Kivitoo.  <b>Response</b> (by Guillaume Robert): Thanks for the help. You cleaned up the sites, not us. We hope that we can work with you again for a very long time.</li> </ul>	
<p><b>9.0</b></p>	<p><b><u>Snacks and Door Prizes</u></b></p> <ul style="list-style-type: none"> <li>People continued to eat the provided snacks, and numbers were drawn for door prizes.</li> <li>The meeting was concluded.</li> </ul>	<p>Information</p>



**Photograph 1: Members of the Qikiqtarjuaq community in attendance at the meeting (not all attendees shown in the photograph).**



**Photograph 2: Englobe with translator presenting at the Qikiqtarjuaq community meeting.**



**Photograph 3: Community members asking questions and Englobe responding at the Qikiqtarjuaq community meeting.**

# FOX-D Kivitoo Site Remediation Project

June 2018



## Meeting Agenda

1. Introduction
2. Project Objectives
3. Project Overview
4. Scope of Work
5. Heritage Resources
6. Employment & Training
7. Inuit Economic Benefits
8. Special Considerations
9. Question Period
10. Snacks / Door Prizes

### Success

- Health and Safety
- Cooperation
- Team Work
- Respect
- Training
- Learning
- Have fun

## 1. Introduction



3



4



## Key Organizations

**Indigenous and Northern Affairs Canada (INAC)**  
Project Owner  
Lilianne Kydd — Project Manager

**Public Services and Procurement Canada (PSPC)**  
Contracting and Project Management for INAC  
Janice Lee — Project Manager

**Englobe Corp. (formerly Biogenie)**  
Remediation Contractor  
Guillaume Robert — Project Manager  
Brandon MacKay — Site Superintendent

**AECOM**  
On-Site Supervision and Technical Advisor for PSPC  
Brian Nguyen  
**SILA Remediation**  
Main sub-contractor providing workforce

## Meeting Objectives

### Why we are here:

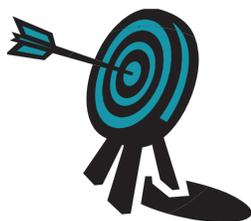
- To present:
  - Key organizations
  - Project status update
  - Upcoming employment opportunities
- To hear input from you



5



## 2. Project Objectives



### Project Objectives

Minimize environmental impacts to humans and wildlife at the site

Bring benefits and business to Northerners

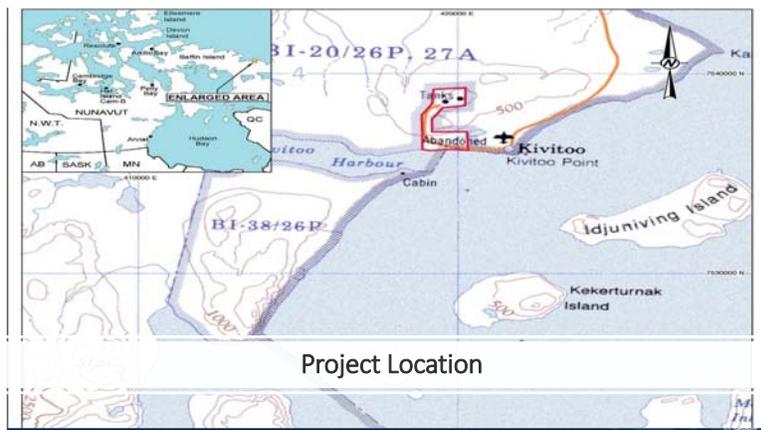
Ensure the project respects all government legislation

Complete the site work by 2018

7



## 3. Project Overview



Project Location

9



### Site History

Built in the 1950's

Used as an intermediate DEW line site

Operations ceased in 1963

Buildings and equipment abandoned

Detailed site investigations were carried out prior to contract award



FOX-D in Operation in 1959/1960



FOX-D  
1959/60

## Project Status

The project was awarded to Englobe in May 2016.

All remediation equipment and the camp were brought to site by sealift in the fall of 2016.

Remediation work took place from June to September 2017 and will continue from end of June to September 2018.

Project will be completed this year and the camp, all equipment and all contaminated material will be transported South on the sealift.

An Elder's tour will take place in August this year.

## 4. Scope of Work/Work Completed



14

## Scope of Work

Upgrade and maintenance of roads and airstrip

Buried debris (landfill) excavation

Removal and off-site disposal of hazardous & non-hazardous material (including asbestos tile, PCBs, lead)

Demolition of old buildings and POL tanks

Debris removal, including barrels

## Scope of Work

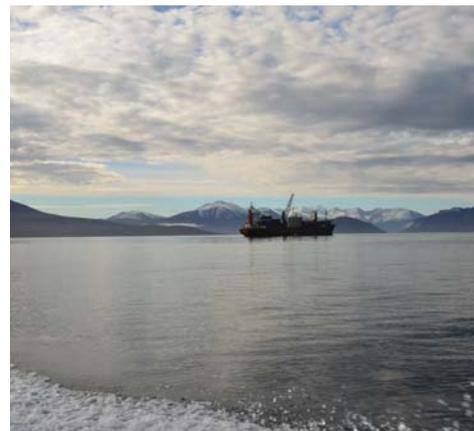
PHC contaminated soil excavation and on-site treatment

No landfill will be constructed on site

All debris and heavily contaminated soils that are excavated will be packaged and transported south to be disposed of in authorized landfills

Hazardous waste management will include asbestos, PCB, and lead removal and packaging, drum cleaning, and wastewater treatment on site

Work Completed in  
the 2016 field season



2016

Mobilization via Sealift





2016

Upgrades to Access Roads



2016

Upgrades to Airstrip



2016

Test pitting to delineate Contaminated Areas



2016

Construction of Main Camp Gravel Pad

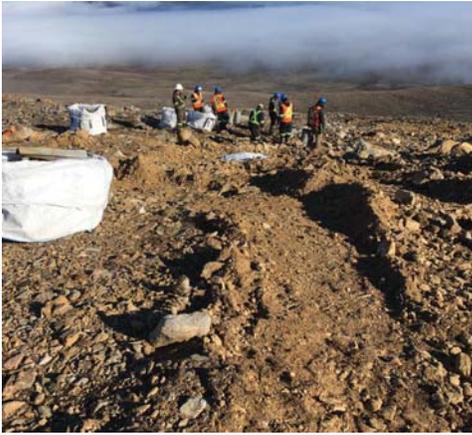


2016

Set-up of Temporary Camp



Work Completed in the 2017 field season



## 2017 Debris removal

We collected all debris from the site with the exception of the Old Whaling Station. This work will be done in the 2018 season with the help of an Archaeologist to ensure we don't remove any heritage resources.



## 2017 Debris Removal Team



## 2017 POL Tank Demolition

All POL tanks were removed with the exception of one which will be removed in the 2018 season. They will be sent south for disposal on the 2018 sealift.



## 2017 Demolition

All POL bases were demolished and removed as well as the garage concrete pad.



## 2017 Barrel Washing

Barrel Processing Area was constructed and most drums washed. Pictured here is a drum wash stand constructed by Travis Kakee.



## 2017 Buried Debris Excavation

We excavated approximately 8,400 m<sup>3</sup> of buried debris. Excavation will be completed in the 2018 season.





**2017**  
Buried Debris  
Excavation at  
the lower site



**2017**  
Contaminated  
Soil Excavation

We excavated approximately 5,200m<sup>3</sup> of contaminated soil that we either treated or, if it wasn't treatable, we placed it in bags to be disposed of in the South. We will complete this task in the 2018 season.



**2017**  
Contaminated  
Soil Excavation  
at the upper  
site



**2017**  
Contaminated  
Soil Excavation  
Bagging soils



**2017**  
Contaminated  
Soil sent off site

Approximately 965 bags of Contaminated Soil were sent South on the sealift. We expect to send approx. 1,000 m<sup>3</sup> more in 2018.



**2017**  
Contaminated  
Soil Treatment

The Soil Treatment Facility was built and we treated approximately 4,800 m<sup>3</sup> of contaminated soil.



## 5. Heritage Resources

## Heritage Resources

It is important to note that an in-depth Archaeological Impact Assessment was done at the site in 2013.

This study was done to make sure that while we are moving around the site during the cleanup work we do not disturb any areas of archaeological significance since there are several on this particular site.

An Archaeologist will come to the site this summer to identify any heritage resources around the old whaling station.

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Archaeological Features

## 6. Employment Opportunities

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### Employment Opportunities

Work conditions:

- Room and board provided
- 3-week rotations
- Work shift is 12 hours/day, 7 days/week
- Day shift only, no night shift with the exception of Wildlife Monitors
- Travel to site will be by plane and/or by boat



### Employment Opportunities

We will be hiring for the following positions:

- Operators
- Labourers
- Wildlife Monitors
- Mechanic/Mechanic Assistant
- Truck Drivers
- Janitors
- Cook Assistant



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## Training Opportunities



### Training possibilities:

- Heavy Equipment Operation and Maintenance
- Transportation of Dangerous Goods
- Asbestos Abatement
- Lead-based Paint Removal/PCB-amended Paint Removal
- Logistics and Administrative Training
- Hazardous Waste Operation and Emergency Response (HAZWOPER)
- Environmental Sampling
- Cook/Cook Backup

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## Employment and Training Opportunities

### Employment Process

- Job description and requirements, and application forms are available from Daisy Arnaquq
- Application forms can be faxed or e-mailed
- Interview to be scheduled in coordination with Sila
- Application forms and information sheets are available on the table at the entrance

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## Site Restrictions

- Only Wildlife Monitors are allowed to bring a gun to site
- Employees must remain inside the perimeter patrolled by bear monitors at all times
- No drugs or alcohol are permitted on site
- No hunting will be permitted on site; fishing is allowed
- Mobile devices are prohibited on the worksite during work hours

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## 7. Inuit Economic Benefits

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## Inuit Economic Benefits

- Sila Remediation, our main sub-contractor, is in charge of hiring the work force
- We intend to provide the opportunity for a majority of Inuit employees to be hired from Qikiqtarjuaq
- **85%** of the contract value to be injected through Inuit-owned supplies

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## 8. Special Considerations

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## Special Considerations

- Visitors planning to access the site in the summer are invited to notify the Community Liaison Officer in advance – please do not just show up.
  - The site is extremely dangerous due to the presence of working heavy equipment and the presence of contaminated and hazardous materials, these procedures are for your own safety.
- Camp facilities and work areas are accessible by authorized personnel only.
- Site Health and Safety Policies must be respected by all visitors on site.
- When coming to work, be sure to bring your steel-toed workboots with you to site!

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Happy  
Workers at  
Kivitoo!



## 9. Questions?



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## 10. Coffee/Door prizes

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