



**RETURN BIDS TO:**  
**RETOURNER LES SOUMISSIONS À:**  
**Public Works and Government Services Canada**  
**100-167 Lombard Avenue**  
**Winnipeg**  
**Manitoba**  
**R3B0T6**  
**Bid Fax: (780) 497-3510**

## **SOLICITATION AMENDMENT**

## **MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

### **Comments - Commentaires**

**Vendor/Firm Name and Address**  
**Raison sociale et adresse du**  
**fournisseur/de l'entrepreneur**

**Issuing Office - Bureau de distribution**  
Public Works and Government Services Canada  
Northern Contaminated Site Program  
ATB Place North Tower  
10025 Jasper Avenue  
Edmonton  
Alberta  
T5J 1S6

<b>Title - Sujet</b> Jericho Mine Site Stabilization	
<b>Solicitation No. - N° de l'invitation</b> EW699-171068/A	<b>Amendment No. - N° modif.</b> 004
<b>Client Reference No. - N° de référence du client</b> PWGSC EW699-171068	<b>Date</b> 2016-09-19
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$NCS-012-10842	
<b>File No. - N° de dossier</b> NCS-6-39116 (012)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2016-10-13</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Central Daylight Saving Time CDT
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Sarna (NCS), Crystal	<b>Buyer Id - Id de l'acheteur</b> ncs012
<b>Telephone No. - N° de téléphone</b> (204) 298-2742 ( )	<b>FAX No. - N° de FAX</b> (204) 983-7796
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

<b>Delivery Required - Livraison exigée</b>	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

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CCC No./N° CCC - FMS No./N° VME

This solicitation amendment #004 is raised to modify solicitation EW699-171068 dated 2016-08-23 as follows:

## **1) REVISED CLOSING DATE OF: 02:00 PM CDT OCTOBER 13, 2016**

If your bid has already been forwarded and you wish to revise the same, this revision should be mailed in a sealed envelope and reach the Bid Receiving Unit identified on Page 1 before the closing date. The bid number and closing date are to be shown on the sealed envelope.

## **2) The following summarizes details from the Jericho Mine Site Bidders' Conference:**

### **Jericho Bidders Conference Summary**

**Date:** Tuesday, September 13, 2016  
**Time:** 1pm CDT – 3pm CDT  
**Location:** WebEx Meeting  
**Solicitation:** EW699-171068

#### **Introductions:**

Crystal Sarna	<i>Contracting Authority – PWGSC</i>
Michael Bernardin	<i>Technical Authority – PWGSC</i>
Michael Westlake	<i>Project lead - INAC</i>
Mark Yetman	<i>Project lead - INAC</i>
Henry Wong	<i>Consultant - Haiyan</i>
Dave Colbourne	<i>Consultant - DXB</i>

#### **Participants:**

Jon Jolicoeur	Quantum Murray
Duane Dale	Quantum Murray
Jesse McBryan	Nuna Logistics
Grant Pearson	Nuna Logistics
James Behnke	Bird Construction

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Jeffrey Kwok	Golder Associates
Dionne Filiatrault	Golder Associates
Mike Storoniak	Golder Associates
Wendy Neelin	Tetra tech
Robert Zschuppe	Tetra Tech
Ian Wilson	SRC
Travis Hanson	Graham Industrial Services
Shane Nickolson	Graham Industrial Services
April Schilling	Graham Industrial Services
Jennifer Godin	Qikiqtaaluk Environmental
Greg Johnson	Qikiqtaaluk Environmental
Ravin Nag	Maccaferri Canada Ltd
Mark Seaman	Milestone Environmental
Carlos Philipovsky	Stantec Consulting Ltd

## **Overview of Solicitation Documents**

### **Presentation by Crystal Sarna**

#### **Request for Proposal overview**

- Bidders are strongly encouraged to sign up to access notifications for changes with RSS Feed on Buy and Sell
- All Bids are to be submitted to the Winnipeg Office, address is on the front cover of the solicitation. Hard copies are to be sent to Winnipeg office and revisions to bids are acceptable by fax.
- Please take note of the 3 Envelope bid requirements:
  - 1<sup>st</sup> – Technical Info and certifications
  - 2<sup>nd</sup> – Financial Info & bid price form
  - 3<sup>rd</sup> – Bid Security
- All bidders are to visit the Buy and Sell Website for any and all information pertaining to this solicitation. All other websites may not have all the information or documentation required to bid.
- All amendments are to be reviewed
- A site visit was held Sept 7 which was not mandatory
- This work is included in the Nunavut Land Claims Area and submission of an Inuit Benefits Plan is strongly encouraged but is not mandatory
- Enquiries are required in writing prior to 10 days solicitation close date

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- Bid security is mandatory and Bidders must complete PWGSC form
  - Contract security will be required by the successful bidder
  - As PWGSC is tendering multiple similar projects, bidders will be required to confirm their proposed team members will be available to complete work, prior to award
  - Upcoming amendment will be coming out to address salvageable assets on site
  - A summary of this Bidders conference will be posted on Buy and Sell as a solicitation amendment including the presentation, attendee list and Qs and As
  - Basis of Selection is 50% technical and 50% price
  - There is a mandatory minimum pass mark of 60% for mobilization and demobilization
  - There is also a mandatory minimum pass mark for of 60% for overall technical score and 60% pass mark for Management and Organization
  - If a bidder is putting forward an Inuit Benefits Plan the Inuit Opportunities certification form must be completed prior to award
  - Under Mandatory Requirements, Annex A Bid Price form should be referenced instead of Annex B – this will be amended
  - Annex A1 – is not required at bid close; for information only; recommended bidder will be required to complete Annex A1 (cost breakdown) prior to award
  - Appendix 5 – only applicable to successful contractor; required by PWGSC during contract management phase
  - Appendix 6 – outlines IBP incentive and penalty conditions in the event of shortfall or exceedance of Inuit Benefit Plan targets
  - IOC encourages realistic targets so they are achievable

#### **Questions and Answers:**

Q: Will the request to extend the bid closing date be granted?

A: At this point in time, the bid close date and time will remain as is.

Q: How will notification of extension of bid closing date be announced

A: Notification of extension will be in form of a solicitation amendment on buy and sell, if one is granted, but there are no guarantees at this time

Q: Does a conflict of interest with Tetra Tech exist since they are design consultant for this project?

A: Addressed by Michael Bernardin– a conflict of interest with Tetra Tech does not exist.

Q: Are there any liquidated damages?

A: No; but there are penalties related to IBP; if committed percentages are not met, we will hold back payments.

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## **Technical Overview**

### **Presentation by Michael Bernardin**

Refer to the attached power point presentation document.

#### **Questions and Answers:**

Q: Regulatory compliance – will INAC be applying for permits and what type of permits?

A: Yes, INAC is in the process of applying for permits, including a type B water licence; contractor will be operating under those permits

Q: – Will contractors be required to obtain a permit to use lake water for making snow over portages?

A – No, this is included in the INAC application. The permit application was based on historical alignment, and includes water needs for ice road construction.

Q: Will contractor be allowed to harvest snow off the lake surface to construct portages?

A Not identified specifically in the permit application, but not expecting it to be a problem.

Q: What is expected of the new design engineer? Comment was made that Tetra Tech has an advantage as they were involved in the design component for this project.

A: The previous work performed by Tetra Tech related to design is made available to all bidders. The design for the major earthworks is at an advanced conceptual level, but need to be finalised and issued for construction.

Q: If there are changes to the design that is currently included in the Water License application, will there be impacts of new approvals due to design changes.

A: That depends on the change. If there is a significant change then INAC will apply for an amendment to the permit.

Q: Because the west dam has a frozen core, will the permits allow for drilling and blasting?

A: The permit application currently does not include blasting, however the permit could likely be amended to include blasting.

Q: Overall regulatory requirements – This work does not fall under a Type B water licence and there is not enough time to get a Type A license.

A: INACs current application is for a type B water license, we believe that a Type B Licence is sufficient for the work planned. The application was submitted this week and is currently working through the regulatory system

Q: Design components and tailings cover; Till is on Inuit owned land – is permit application going to allow for borrowing on IOL?

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A: Most of the course processed kimberlite (PK) is on Crown Land Some potential borrow and till materials are on IOL (Inuit Owned Lands). We don't foresee this being an issue, particularly if it is coming from a pre-disturbed area.

Q: What is the criteria for PHC soil cleanup?

A: Abandon Military Site Remediation Protocol (AMSRP)

F1-F4 – addressed by Henry & Mark from INAC – TPH 2500 PPM >30 m from water body? See AMSRP for definitions of Type A and Type B soils and corresponding concentrations.

Q: Will the truck shop and process plant be available for contractor's use?

A: The truck shop can be powered by the existing genset and will be available for contractor use for storage or to perform equipment maintenance. The process plant has limited space within and is considered out of scope and therefore not available for use by contractor.

Q: This question related to engineering and the liability of taking on a project where touching an existing design may be required; for example, taking diversion and redirecting; what are long term water quality standards; does designer (tetra tech) assume responsibility? Comment was made that the risk to the engineer is high with little return. Other examples:

- non-performance of remediation measures
- long-term erosion protection

A: PWGSC does not want the engineer to reconsider the closure options, but rather complete the design for each component based on the option already selected. For example, the design for the tailings cover needs to be completed. Relocating the tailings to the pit is not an option. Closure option selection and conceptual designs to date are based on sound engineering principles and are supported by PWGSC/INAC.

Q: Pit Water quality concerns issue; long term monitoring; issues with water quality; INAC is fully aware; if in future – will it need to be treated?

A: INAC plans to monitor the pit water quality long-term and if treatment is required prior to discharge it

Q: Has the stabilization plan by tetra tech been approved?

A: Applications are in with board; will be evaluated by board.

Q: If conditions play a factor and interfere with schedule, will this project be retendered?

A: it is not intended to retender project, but decision will only be made if this becomes an issue

If permit delays occur – results in delays service, equipment can't be mobilized, the delay is not contractor's fault

It is recognized that the contract will be awarded prior to obtaining permits, and permits are the responsibility of INAC.

**-END OF BIDDERS CONFERENCE -**

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- 3) Refer to Submission Requirements and Evaluation (SREs) under Section 4:

**DELETE:**

"Complete and submit signed Bid Price Form (Annex B)"

**INSERT:**

"Complete and submit signed Bid Price Form (Annex A)"

- 4) Refer to "Annex A: Bid Price Form" under "Unit Price Table:

**INSERT:**

2	BOPC-1a	Purchase/Removal of assets/equipment listed under Appendix E - Hazardous and Non-Hazardous Materials inventory of the " <i>Jericho Diamond Mine Environmental Site Assessment</i> " Report	Lump sum	1	(\$ _____) <i>Credit amount</i>
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- 5) Refer to "Annex A1: Cost Breakdown Table":

**INSERT:**

1.1a	BOPC-1a	Purchase/Removal of assets/equipment listed under Appendix E - Hazardous and Non-Hazardous Materials inventory of the " <i>Jericho Diamond Mine Environmental Site Assessment</i> " Report	Lump sum	1	(\$ _____) <i>Credit amount</i>
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- 6) Refer to Supplementary Conditions:

**INSERT:**

**"SC11 CONTRACTOR SALVAGE CREDIT**

The Proponent is to take ownership of all existing assets/equipment on site as outlined in Appendix "E" of the "*Jericho Diamond Mine Environmental Site Assessment*" Report . The Proponent is to value this salvageable assets/equipment and provide a credit cost for inclusion in its Bid price.

**SC12 SALVAGE**

All salvageable equipment, scrap, debris and waste materials will become the property of the Contractor who must remove it from the site prior to substantial performance at its own cost and expense. The Contractor must leave the site in a clean and serviceable condition."

- 7) Refer to **SC06 Limitation of Submissions:**

**DELETE:**

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"4) Notwithstanding paragraph 3. above, in order to avoid any conflict of interest, or any perception of conflict of interest, no firm acting as an individual Bidder or as part of a joint venture Bidder, shall be proposed as a member of another Bidder's Team, either as a sub-contractor or as part of another joint venture Bidder. Failure to comply with this limitation will result in all submissions so involved being rejected."

**8) Questions and Answers posed during the solicitation period:**

Q1: In the Introduction section of the RFP, it states: The estimated Class A construction budget for this project is approximately \$10,560,000 ... Class A estimate is based on completed contract drawings and is used as a control check on authorized expeditors prior to tendering. A Class A estimate would suggest that a detailed design for closure has already been completed. Is this the case or has the level of design, as described, an error?

A1: The components requiring design, those being the major earthworks are completed to a level sufficient for detailed material take offs.

Q2: Is there a requirement to house – camp or offices any representatives onsite during the project for PWGSC including third party inspectors? If so what is the number and duration required.

A2: See specification 01 54 00-1.7 for departmental representative requirements related to camp operation.

Q3: How will salvaged materials be handled in particular the salvaged equipment – who is the owner of the titles at this point and will they be signed over to the successful proponent along with the VIN numbers?

A3: See solicitation amendment 4 related to salvage. Registration of all salvaged equipment will be transferred to the successful proponent.

Q4: Can you please provide more information on the ice roads and who holds the current contracts. If Nuna is bidding the work in a Joint Venture with TetraTech will they be required by PWGSC to give transparent pricing for the ice road services (fair equal pricing)?

A4: The Tibbit to Contwoyto ice road is managed through a joint venture management committee comprised of the diamond mine owners in the region. The construction and maintenance of the road from Tibbit Lake to Lac de Gras is contracted through the JV committee to RTL/Tlicho JV and Nuna Logistics. Revisions contained in Solicitation amendment 4 enables contractors bidding on the job to provide ice road construction and maintenance subcontracting services to other contractors bidding on the job.

**ALL OTHER TERMS AND CONDITIONS SHALL REMAIN THE SAME.**



Respect

Excellence

Integrity

Leadership



## Jericho Diamond Mine Site Stabilization Project Nunavut

Bidders Conference  
September 13<sup>th</sup>, 2016  
Conducted via Web Ex

Cristal Sarna, PWGSC  
Michael Bernardin, PWGSC  
Mark Yetman, INAC  
Michael Westlake, INAC  
Henry Wong, Haiyin Consulting  
Dave Colburne, DXB Consulting



Public Works and  
Government Services  
Canada

Travaux publics et  
Services gouvernementaux  
Canada

Canada

## Presentation Topics:

- Scope of Work
  - Division 1
    - Health and Safety
    - Mobilization / Demobilization
    - Camp Operation
  - Earthworks
  - Environmental tasks
  - Demolition tasks
- Anticipated Schedule
- Supporting Documentation

# Scope of Work

## Division 1 Key work items

1.1	Balance of Project Costs	Lump Sum
1.2	Engineering Design	Lump Sum
1.3	Worker Orientation Seminar	Lump Sum
1.3	Project Meetings	Lump Sum
1.3	Community Meetings	Lump Sum
1.3	Submittals	Lump Sum
1.3	Site Specific Health and Safety Plan	Lump Sum
1.4	Mobilization	Lump Sum
1.5	Demobilization	Lump Sum
1.6	Operation and Maintenance of Camp Facilities	Lump Sum
1.7	Project Record Documents	Lump Sum



# Scope of Work

## Division 1 - SSHSP

- Contractor assumes role of Prime Contractor, as such is responsible for H&S of all persons on the site.
- SSHSP to be developed by the Contractor based on hazards identified by Contractor/INAC/PWGC, and hazards inherent in the work tasks. SSHSP must also meet or exceed requirements identified in the specifications.
- Provision of first aid supplies and trained personnel in accordance with NWT mine safety Act.
- Compliance with NU Safety Act and Regulations.
- Lump Sum payment item.

# Scope of Work

## Division 1 - Mobilization / Demobilization

- Contractor is responsible for all aspects of mobilization and demobilization of equipment, fuel, supplies, camp, crews, etc.
- Methodology should be clearly described in the proposal along with potential risks and mitigative measures.
- Contractor is responsible to conduct their own research and develop specific mobilization approach.
- Mobilization and Demobilization are Lump Sum payment items.



# Site Access and Logistics

## Air Options

- Existing gravel airstrip at site suitable for a variety of aircraft sizes.
- C130 Hercules have landed on the airstrip in the past, as recently as 2014.
- Contractor responsible for upgrades and maintenance as required.





# Site Access and Logistics

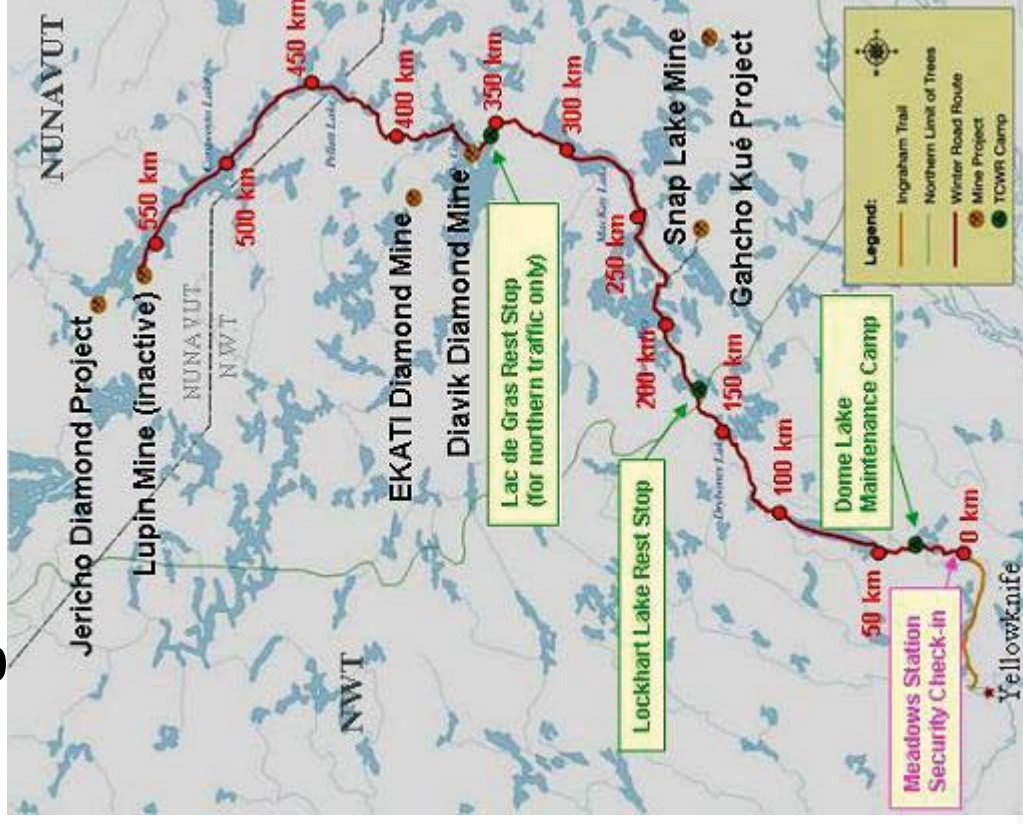
## Winter Ice Road

- During construction and operation of the mine, the main equipment and supplies were transported up the Tibbit to Contwoyto winter road, operated by the Tibbit to Contwoyto WR Joint Venture.
- The JV winter road is typically constructed to Ekati mine, located 400km north of the start of the road on Tibbit Lake.
- Jericho mine is located ~200 km north of Ekati.
- Final portage over challenging terrain.



# Site Access and Logistics

## Winter Ice Road





## Scope of Work

### Division 1 - Camp Supply and Operation

Contractor responsible for:

- Supply and operation of camp.
- Security & wildlife protection.
- Water use and effluent discharge.
- Regulatory compliance.
- Existing 225 person camp and associated facilities are available in as is condition, but camp is to be demolished as part of the demolition scope.
- Lump sum payment item.



# Scope of Work

## Division 1 - Camp Supply and Operation



# Scope of Work

## Earthworks

2.0	Earthworks	
2.1	Breach the C1 Diversion and construct a Pit Overflow	Lump Sum
2.2	Breach the West Dam	Lump Sum
2.3	Notch Divider Dyke A	Lump Sum
2.4	Construct a Cover over Cell A	Lump Sum
2.5	Construct a Non-Hazardous Landfill	Lump Sum
2.6	Re-grade the Containment Berms	Lump Sum



- Water management incidental to work.
- Lump sum payment items, quantities will not be measured for payment.





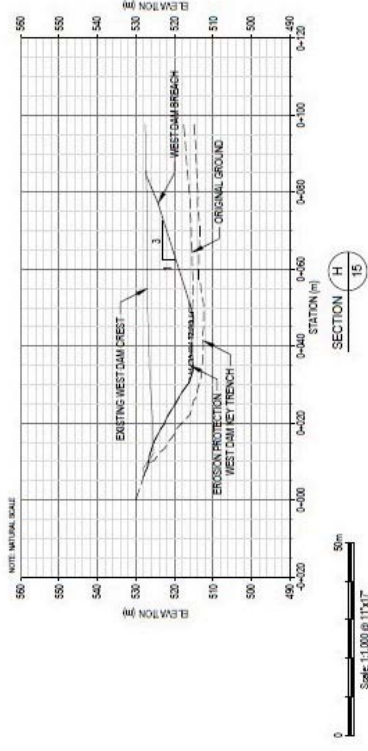
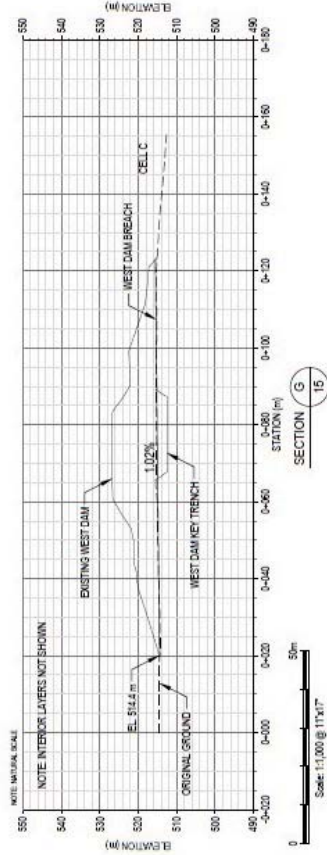
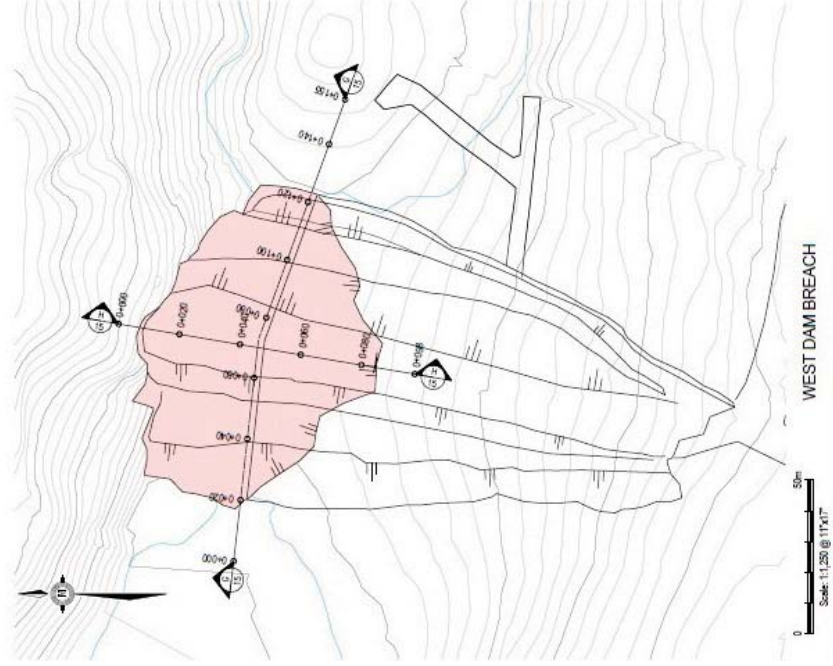
## Scope of Work

### Earthworks- West Dam, Divider Dyke A, Tailing Cover



# Scope of Work

## Earthworks- West Dam





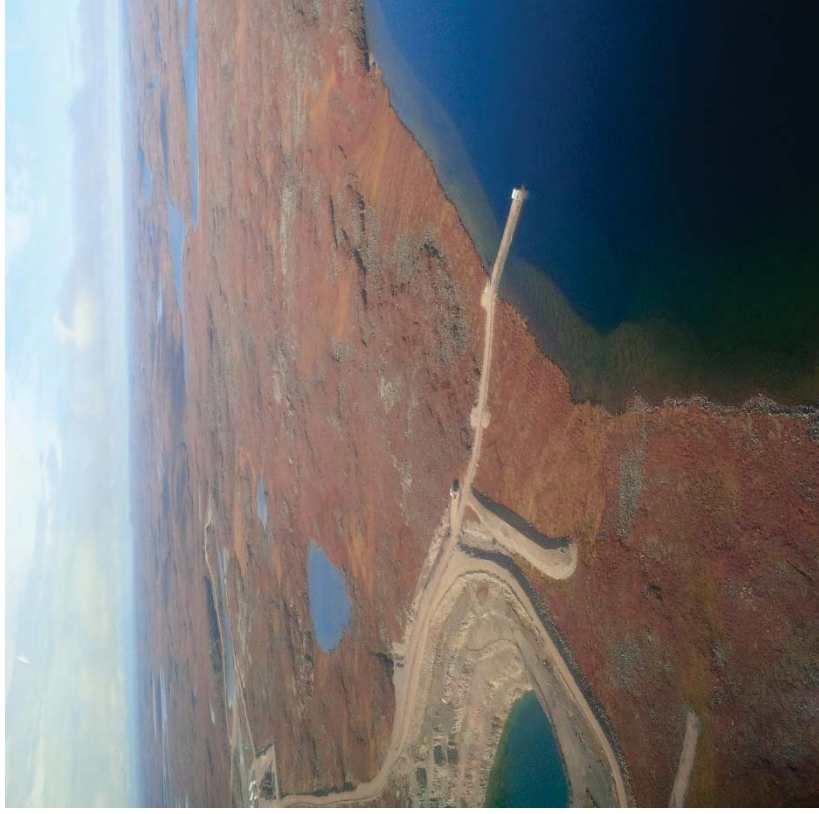
## Scope of Work

### Earthworks- C1 Diversion & pit Overflow



# Scope of Work

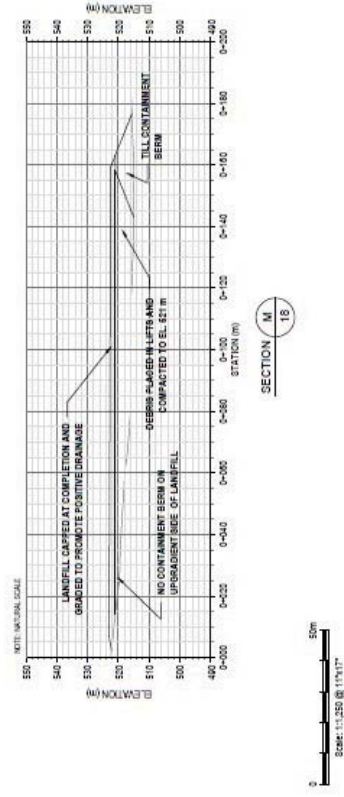
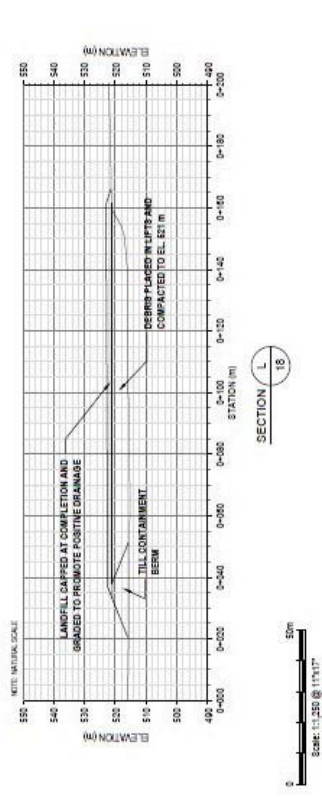
## Earthworks- C1 Diversion & pit Overflow





# Scope of Work

## Earthworks – Landfill



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Canada

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Services gouvernementaux  
Canada



# Scope of Work

## Environmental

3.0	Environmental		
3.1	Treat the PHC Soil		m <sup>3</sup>
3.2	Dismantle Lead-Based Paint coated ASTs		Lump Sum
3.3	Consolidate and Incinerate Organic Liquid Wastes or remove off-site for disposal		Lump Sum
3.4	Depressurize Gas Cylinders and Fire Extinguishers		Lump Sum
3.5	Remove All Other Hazardous Waste off-site for disposal (materials from Process Plant <u>not</u> included): - batteries, mercury vapour in fluorescent lights, paint, refrigerant-containing items, oil absorbent; large amounts of glycol, paraffin wax, bentonite, cement, preservatives, biomedical and pharmaceutical waste, oil/lubricants/fuels, etc.		Lump Sum

➤ Consult supporting documents for detailed material take offs.



## Scope of Work

### Environmental - Soil Remediation

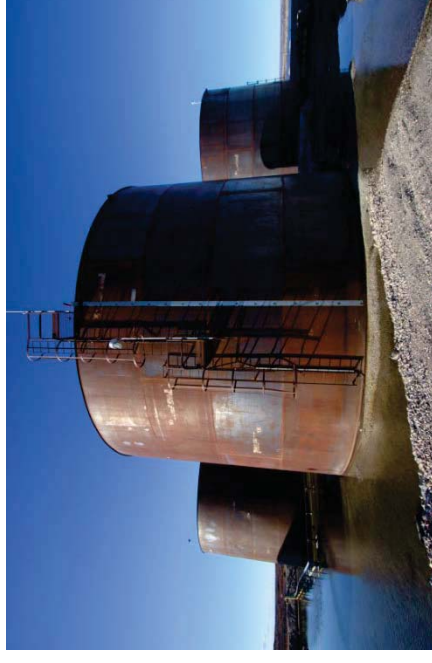
- Estimated 3,315 m<sup>3</sup> of PHC impacted soil (above clean soil guidelines). To be treated onsite.
- Contractor responsible for treatment methodology.
- Contractor responsible for construction, operation and decommissioning of treatment facility.
- Clean soil will be measured for payment by the cubic meter.



## Scope of Work

### Environmental - Processing Organic Liquid Waste

- Organic liquid waste to be incinerated onsite, or shipped offsite for disposal at a licensed facility.
- Consolidation, testing and treatment and/or offsite disposal of liquid waste in accordance with INAC Abandoned Military Site Remediation Protocol (AMSRP).
- Estimated volumes and waste characterization included in supporting documents.
- Lump Sum Payment Item. Volumes will not be measured for payment.



## Scope of Work

### Environmental - Hazardous Materials

- Known hazardous materials include, but not limited to batteries, fire extinguisher, fluorescent lights, propane and other gas cylinders, lead containing paint on select ASTs, and hazardous liquid contents.
- Lump Sum Payment Item for collection, transportation and disposal at contractor's designated hazardous waste disposal facility. Quantities will not be measured for payment.
- Description and estimated volumes of known hazardous materials are detailed in the supporting documents.



# Scope of Work

## Structure Demolition

4.0	Demolition		
4.1	Demolish and landfill Main Camp Facility		Lump Sum
4.2	Dismantle and landfill Tanks and debris from Tank Farm Area		Lump Sum
4.3	Demolish and landfill remaining structures (Process Plant, Truck Shop, Terminal Buildings and Core Shack <u>not</u> included)		Lump Sum
4.4	Collect and Landfill remaining Non-Hazardous material debris		Lump Sum





## Scope of Work

### Structure Demolition (Main Camp Facility)



## Scope of Work

### Structure Demolition (Main tank farms)





## Scope of Work

### Structure Demolition (Con't)

- All structures and scattered debris onsite are to be demolished and landfilled or salvaged and removed offsite.  
Exception:
  - 7 Caterpillar Gensets to be removed by others.
  - Process plant and contents to remain.
  - Truck shop building envelope to remain.
  - Terminal building camp and gensets to remain.
  - Core to be removed from Core shack (by others), prior to demolition.
- Known hazardous and non-hazardous materials and estimated volumes are categorized in the supporting documents.





## Scope of Work

### Demolition - Collect and landfill remaining non-hazardous materials

- All non hazardous scattered and buried debris to be placed in onsite landfill.
- Untreated wood debris to be burned onsite in a pre-approved location.
- Quantities will not be measured for payment. Lump Sum Payment item.



## Schedule

### Key Dates (anticipated):

- October 3, 2016 – Tender Close (possible 1 week extension being considered)
- Mid November 2016 – Contract Award
- Sept – December 2016 – Permitting
- February/March 2017 – Mobilization
- Spring/Summer/Fall 2017 – Field program year
- February/March 2018 – Demobilization and disposal of hazardous materials
- March 31 2018 – Contract end date



## Supporting Documentation

- The following supporting documents are available for download on the solicitation website:
  - TetraTec EBA. Environmental Site Assessment Materials Survey and Geotechnical Evaluation, Jericho Diamond Mine, Nunavut, 2014
  - TetraTec EBA. Options Analysis Rev 02 Jericho Diamond Mine, Nunavut, April 2015



# Questions?



# Thank You!

