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The referenced document is hereby revised; unless otherwise
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Ce document est par la présente révisé; sauf indication contraire,
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Comments - Commentaires

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Title - Sujet RFI - MCM and C&M - Faro Mine	
Solicitation No. - N° de l'invitation EZ113-210574/A	Amendment No. - N° modif. 003
Client Reference No. - N° de référence du client EZ113-210574	Date 2020-10-21
GETS Reference No. - N° de référence de SEAG PW-\$FAR-002-8020	
File No. - N° de dossier FAR-0-43044 (002)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2020-10-30	
Time Zone Fuseau horaire Pacific Daylight Saving Time PDT	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Taron, Rebecca	Buyer Id - Id de l'acheteur far002
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Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

**REQUEST FOR INFORMATION (RFI)
AMENDMENT 003**

**MAIN CONSTRUCTION AND CARE & MAINTENANCE MANAGER
FARO MINE REMEDIATION PROJECT (FMRP)
FARO MINE COMPLEX, FARO, YUKON TERRITORY**

Amendment No. 003 is issued to provide a summary report of the Pre-Tender Optional Virtual Site Visit and Information Session held virtually on September 30, 2020 10AM to 1PM PT / 1PM to 4PM ET for the Faro Mine Remediation Project. This Amendment No. 003 is also issued to provide a list of Questions and Answers submitted during the event.

PRE-TENDER OPTIONAL VIRTUAL SITE VISIT AND INFORMATION SESSION

Wednesday, September 30, 2020
010:00 AM – 1:00 PM PT / 1:00 PM – 4:00 PM ET

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- CIRNAC Representatives
- PSPC Representatives

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LIST OF ATTENDEES

1. Companies (in alphabetical order)

Arcadis Canada Inc.
Barnard Constructors of Canada, LP
BluMetric Environmental Inc.
Boge Boge (1980) Ltd.
Boreal Engineering Ltd.
Burns & McDonnell
CAP Engineering
Castlerock Enterprises LP
Clean Field Solutions Inc.
GPEC International
EllisDon Industrial Inc.
Englobe Corp.
Environmental Chemical Corp. (ECC)
EnviroNorth Engineering Inc.
Forteck Environmental Inc.
Golder Associates Ltd.
Integrated Sustainability
Ledcor CMI Ltd.
Magnum Infrastructure Ltd.
Milestone Environmental Contracting
Miller Environmental Corporation
Nahanni Construction Ltd.
Parsons Inc.
Peter Kiewit Sons ULC
QM Environmental LP
Saskatchewan Research Council
Secure Energy Services
SLR Consulting
SNC Lavalin
Summit Earthworks Inc.
Surespan Group
Tetra Tech Canada Inc.
TRCC Ltd.
Veolia Water Technologies Canada
Weaver Group Limited
Wood Canada Limited
WSP Canada Inc.

2. Fairness Monitor

Jocelyn Décoste, BDO Canada LLP – Nepean

3. CIRNAC Representatives

Cam Malloch, Senior Engineer
Geoff Karcher, Engineering Manager
Jesse George, Senior Advisor
Jonathon Dixon, Senior Engineer
Marie-Pascale Rousseau, Director

4. PSPC Representatives

Leigh Garrod, Regional Manager

VIRTUAL SITE VISIT OBJECTIVES AND OVERVIEW

Public Services and Procurement Canada (PSPC), on behalf of Crown-Indigenous and Northern Affairs Canada (CIRNAC), is preparing a tender for the Main Construction and Care & Maintenance Manager (MCM/C&M) for the Faro Mine Remediation Project in Faro, Yukon Territory. Prior to posting the Request for Proposal (RFP), this Pre-Tender Virtual Site Visit was intended for potential bidders to view the most important areas and various work activities at the Faro Mine Complex, as well as to get an appreciation of the level of effort required to manage work at site and provide care and maintenance services.

While the original intent was to host an in-person Pre-Tender Site Visit and Information Session at the Faro Mine Complex, due to the ongoing uncertainty related to the COVID-19 pandemic, a virtual event was held instead using Zoom. A total of eight topics were presented, and a summary of each presentation is outlined below.

SUMMARY OF VIRTUAL SITE VISIT PRESENTATIONS (in order of presentations)

1. Project Introduction

The Faro Mine was once the largest open pit lead-zinc mine in the world and operated from 1969 to 1998. The Complex, located in the Yukon Territory, is approximately 25 square kilometers in size and is composed of 3 main areas: the Faro Mine Site, the Rose Creek Tailings area, and the Vangorda Plateau Mine Site. The Complex went into receivership after being abandoned in 1998. The mine is listed as one of the most contaminated sites in Canada and has the potential to leach large amounts of contaminants into the surrounding environment. Canada has now assumed the underlying financial responsibility and oversight associated with the remediation of the site. The care and maintenance of the Faro Mine Complex has also been officially transferred to Canada from the Yukon Government.

This project consists of the following 4 phases:

- Phase 1 – Selection of a remediation and closure approach
- Phase 2 – Design and planning
- Phase 3 – Closure and remediation
- Phase 4 – Active management and monitoring

The project is currently in Phase 2. A detailed project proposal was submitted to the Yukon Environmental and Socio-Economic Assessment Board (YESAB) in the summer of 2019. The remediation is expected to be implemented over a period of approximately 15 years, followed by years of monitoring.

2. Care and Maintenance Part 1 & 2

The MCM/C&M will be responsible for ensuring the care and maintenance of the site. The key risks that the care and maintenance scope mitigates are related to water at site. The virtual tour focused on how water flows through and around the site.

The Senior Engineer provided an overview of the water management approach and challenges of the site including the following areas:

- Faro Creek Diversion
- Faro Pit
- North Fork Rose Creek
- Rose Creek Tailings Area
- Rose Creek Diversion Channel
- X13 capture system
- Down Valley area
- Cross Valley Pond Treatment Plant
- Mill Area
- Interim Water Treatment System
- Waste Rock Dumps
- Vangorda Treatment Plant
- Vangorda Creek Diversion and Vangorda Pit
- Grum Pit
- New Vangorda Electrical Substation

3. Urgent Works

Urgent works are construction projects that get completed outside of the current environmental assessment and water licensing processes. This decision gets made if site conditions change and when environmental and/or health & safety risks need to be mitigated quickly.

An example of ongoing urgent works at site is the construction of a 2 km diversion channel for the North Fork of Rose Creek to separate contact and non-contact water. A contact water seepage interception system will also be installed to collect contaminated water before it reaches the new channel. Work began in June 2019 and is scheduled to be completed by November 2020.

Fish ponds in the South Fork of Rose Creek were also completed as part of these urgent works. The ponds are an example of a compensation project for fish over-winter habitat.

4. Active Remediation Plan

The active remediation plan is anticipated to span over 15 years with high level construction areas consisting of site stabilization, earthworks, building demolition, revegetation, infrastructure improvements and water management.

The MCM/C&M is responsible for implementing the selected design. The active remediation of the Faro Mine Site will protect human health and safety, protect and to the extent practicable restore the environment including land, air, water, fish and wildlife, return the mine to an acceptable state reflective of pre-mine land use where practicable, maximize local and Yukon socio-economic benefits and manage long term risk cost effectively.

5. Engagement

Local consultation and engagement is a main component of this project. The Faro Mine Complex is situated on the asserted territory of the Kaska Nation and Ross River Dena Council is closest to the site. CIRNAC ensures meaningful engagement with the local communities in all levels of the project, which ranges from senior level committees to day-to-day technical meetings. The Contractor on site will be required to commit to maximizing socio-economic benefit objectives with First Nations. For example, the MCM/C&M will be required to commit to the employment and training of First Nations. It is also important to note that Canada has a nation-to-nation relationship with them, which recognizes the rights and jurisdictions of Indigenous Governments. Therefore, it is recommended, that during the future solicitation period, contractors reach out to their respective Economic Development Corporation and not to leadership directly.

6. Required Services

The MCM/C&M will be required to mobilize to site before the end of March 2022. The MCM/C&M will assume the role of the Constructor at the Faro Mine Complex, which means taking on the responsibility for health and safety at site and to provide construction management services as well (by tendering, coordinating and managing multiple work packages). The MCM / C&M will also be expected to provide day to day site management services, conduct care & maintenance activities, mitigate risks and complete urgent works until active remediation begins.

7. Procurement Overview

The Government of Canada must deliver fair, open, and transparent procurements that ensures the integrity of the process and equal treatment to all potential bidders. A fairness monitor, present during this virtual visit, is engaged at each step of the project.

The procurement will be competitively tendered to achieve best value to Canada. As shown, the scope and scale of this project is massive. Remediation of the Faro Mine Complex may take upwards of 15 years and potentially cost \$1.5 billion. Therefore, assuring value for money is paramount.

A Construction Management approach was chosen for its appropriate balance of risk and cost. The MCM/C&M requirement for the Faro Mine Remediation Project will be tendered under a single contract. The goal is to obtain tangible socio-economic benefits. There will be an

Indigenous Opportunities Consideration (IOC) aspect to the evaluation and regular reporting of commitments will be required.

The RFP is expected to be a two-step tender process. Bidders are encouraged to take advantage of the period given to prepare the entirety of their bids. It is not recommended to wait until the results of the first step are released to work on the requirements of the second step. Please read the terms of the RFP very closely and ask questions as early as possible in the RFP process.

Conflicts of interest policies will be adhered to, and as such, the MCM/C&M will not be able to bid on work packages. A Procurement Outlook will be posted in the upcoming weeks with more information.

QUESTIONS AND ANSWERS (received during the virtual site visit)

Question 1: Can you provide a list of participants on this tour?

Answer 1: Yes. The list of company attendees are included in this RFI Amendment 003.

Question 2: Will you share the recorded video?

Answer 2: The video is available to be viewed by registered attendees. An e-mail with the link will be shared with attendees. Others may request it by sending an e-mail to the contracting authority.

Question 3: What are the volumes of the seep?

Answer 3: Regarding the North Fork of Rose Creek, it would be difficult to quantify the exact volume of seep, however, we do know that there is a high zinc concentration.

Question 4: Is there other Urgent Works scheduled or planned to be released for tender in 2020?

Answer 4: Yes, there are several other urgent works planned. This includes the Down Valley Seepage Interception System, which will be located downstream from the X13 Interception System. There will also be a various earth works happening shortly as well. Further details are not available at this time, but will be when the various designs get completed.

Question 5: Given the importance of cover construction being planned through remedial activities, will the borrow area studies be completed in sufficient accuracy by the client that the MCM will have sufficient guarantee of quantity and quality of non-ARD (acid, rock, drainage) materials? Will the borrow studies include pre-screening of potential archeological resources?

Answer 5: Yes, there have been many lessons learned over the last two years. Prior to cover construction, we have already identified borrow development work as a possible work package in Term 1 of the MCM / C&M contract. We have learned through urgent works the importance of confirming the quantity and quality of borrow material far in advance. When the Yukon Government managed the site, they did several archeological studies. Assessments and studies will also be augmented, where and when required.

Question 6: Would other technologies that treat to the same levels of an HDS plant but give a much more economical "total installed cost" be considered by Canada?

Answer 6: The HDS plant is the preferred option. There was an options analysis conducted for the plant design, and the HDS plant was chosen for its proven capability and tender-ready design. We are currently in the preliminary design stages of the future Permanent Treatment Plant and we will be going out to tender later this year to complete the detailed design for it.

Question 7: Where are we on the schedule (Faro Mine Remediation Project)? Can you explain the early stage tasks and where we are now?

Answer 7: We submitted the Faro Mine Remediation Project proposal to the Yukon Environmental and Socio-Economic Assessment Board (YESAB) a year ago, in 2019. We are currently between the "Investigations and Studies (to support Water License)" stage and the "Design Refinements (To support Water License)" stage. The referenced schedule is located on page 64 of the PowerPoint presentation.

Question 8: You mentioned your designers for the treatment plant. Which company is providing your design?

Answer 8: See response to question 6, this refers to the same water treatment plant. CH2M Hill previously worked on the design with the Yukon Government, however, SRK is the current remediation design team. The intention is go to tender to convert the conceptual design into a tender-ready design. We also intend to go out to tender for a future overall remediation plan design contract in the next few months.

Question 9: Will the MCM have to balance the concurrent activities in the schedule against the constraints around local capacity and the need to maximize socio-economic benefits, or has this been considered in setting the performance targets and milestones?

Answer 9: Short answer is yes, we are expecting the MCM to balance that. We are still determining some of those targets as we work our way through the solicitation documents. We have done a lot of work through the ICM and the C&M which have given us a leg up on the expectations regarding local capacity.

Question 10: Can you indicate the name of the current Care & Maintenance contractor? Also, will their contract continue past the start of the upcoming MCM contract?

Answer 10: The current Care & Maintenance Manager (C&M) for the Faro Mine site is Parsons Inc. The upcoming tender will include both the Main Construction Manager and Care & Maintenance Manager (MCM/C&M) under one single contract. It is anticipated that there will be an overlap period at site, to allow for appropriate knowledge transfer.

Question 11: How many employees are currently located on site?

Answer 11: On a day-to-day basis, in the last few months, there have been over 120 employees on site during the week. There are approximately 70 employees staying at camp on site. However, this number currently includes employees from subcontractors at site for the North Fork of Rose

Creek Project. In regards to Care & Maintenance staff, at the peak of operations, there is anywhere from 50 to 70 employees on site. This number drops down to less than 40 in the winter.

Question 12: Will the MCM be permitted to bid on tenders and self-perform work?

Answer 12: It depends. The MCM / C&M will not be able to bid on the large planned remediation work packages. However, there will be some self-performing work authorized under particular circumstances, which will be detailed in the tender documents. The MCM / C&M is primarily responsible for managing the subcontractors who will be assigned those work packages.

Question 13: Will any companies be excluded from bidding on this contract due to their previous involvement?

Answer 13: Preventing conflicts of interest and situations of unfair advantage are important to ensure the integrity of the procurement process. The future Request for Proposal will include provisions related to conflicts of interest and unfair advantage situations and may identify certain entities that will not be eligible to bid on the Request for Proposal.

Question 14: What is the estimated budget valuation for the overall project?

Answer 14: The approximate budget for this project, including both terms is higher than 1.5 billion dollars. The large portion of this expenditure is flow through to subcontracts.

Question 15: When do you expect to release the slide deck to participants?

Answer 15: The intent is to provide the PowerPoint & Video Presentation in English and French versions by mid October 2020.

Question 16: Will you be publishing an attendees list for this meeting?

Answer 16: Yes – see response to Question 1.

ANNEX A – POWERPOINT & VIDEO PRESENTATION

For the English and French versions of the PowerPoint & Video Presentation presented at the Pre-Tender Optional Site Visit and Information Session please download the separate attachment located on the notice page of this Request for Information (RFI).