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British Columbia
V6Z 0B9
Bid Fax: (604) 775-9381

**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 - Pacific
Region
800 Burrard Street, Room 219
800, rue Burrard, pièce 219
Vancouver
British C
V6Z 0B9

Title - Sujet CFB Comox FFTA Source Control Proje Projet de contrôle à la source dans l'AELI de la BFC Comox	
Solicitation No. - N° de l'invitation EZ113-210191/B	Amendment No. - N° modif. 009
Client Reference No. - N° de référence du client	Date 2021-02-23
GETS Reference No. - N° de référence de SEAG PW-\$PWY-031-8900	
File No. - N° de dossier PWY-0-43021 (031)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Pacific Standard Time PST on - le 2021-03-02 Heure Normale du Pacifique HNP	
F.O.B. - F.A.B.	
Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Leung, Janie	Buyer Id - Id de l'acheteur pwy031
Telephone No. - N° de téléphone (778) 919-3273 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DND - CFB Comox, BC	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
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

This Amendment 009 is raised to:

- Address questions.
- Incorporate revised:
-Mandatory CFB Comox FFTA Source Control Project PFAS Destruction Facility Form – Revised Feb 23, 2021

Questions and Answers

Q1. Is the abandoned waterline to be filled with CDF or simply capped in place?

A1. Capped both ends in place

Q2. All trenched material from landscape areas that is slated to be placed back in the trench does not require any testing other than compaction?

A2. Such testing is not in the scope of work.

Q3. Trench material in existing roadway / Route 66 that is slated to be replaced with import is to be segregated, tested for contamination and paid for under established contaminated soil unit rates?

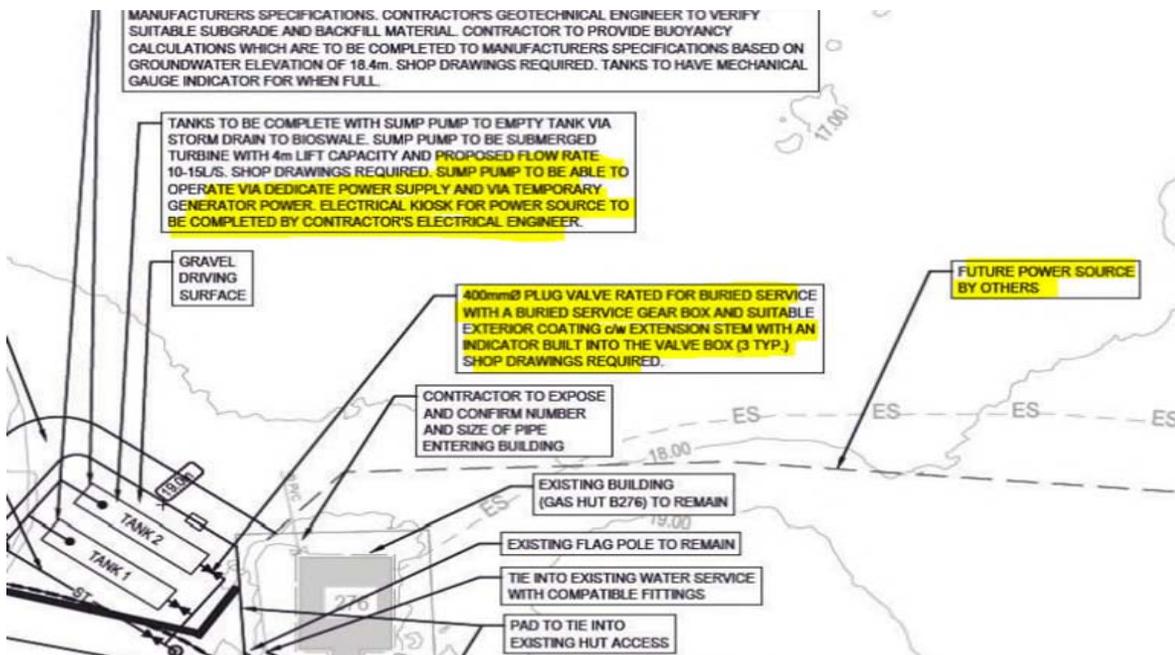
A3. Such material is anticipated to be minimal. Excess soil from utility work (outside of excavation areas) will be reused on site as directed by the Departmental Representative. Costs with managing this material are incidental to the New FFTA work and will be included in that payment item (see APPENDIX 1 – COMBINED PRICE FORM, BASE WORK (A), Item 21) and not the established contaminated soil unit rates as suggested.

Q4. Existing watermain, hydrant lead and service line to be exposed by bulk excavation, are these to be removed and paid for under excavation unit rate or as part of New FFTA??

A4. As per item 01 25 20 section 1.1.5.2.5, utility work is a component of the New FFTA Design and Construction and should be included in that payment item (see APPENDIX 1 – COMBINED PRICE FORM, BASE WORK (A), Item 21).

Q5. To confirm the note on DWG 016 – Contractor is only responsible for the supply and install of sump pumps with 4m lift capacity and proposed flow capacity of 10-15 L/S, rigged as such that they can be plugged into a generator. The electrical kiosk that is to be designed for future permanent power and generator hook-up is to be supplied and installed by others?

A5. The contract includes provision of two power connections 1) a generator to power the sump pump(s) and 2) a kiosk for permanent power for the sump pump(s). Only permanent power line to the kiosk will be supplied by others.



Q6. Should the sump pump be of the rail type for ease of removal in the future to facilitate maintenance or otherwise?

A6. Submerged Turbine Pumps are specified in the Contract Drawings. Pump sits on top of tank in an access manhole. A railed system could be proposed as an alternate, engineered shop drawings would be required with the tender submission.

Q7. 400mm PVC SDR35 does not exist. Are we to price the design as 450mm SDR35?

A7. See Addendum #2 for changes to drawing 16.

Q8. SC01-2 requires "The Contractor/Offeror personnel requiring access to a sensitive site(s) must EACH hold a valid RELIABILITY STATUS, granted or approved by the CSP, PWGSC." Does the Contractor require to provide valid RELIABILITY STATUS for all personnel at the time of bid closing? Will the non-Canadian personnel with a pending application be considered?

A8. No, we will be checking the security clearance of the Bidder only at bid closing. The bidders are not required to submit any security clearance applications of their personnel. Bidders are reminded that ALL personnel that require access to the base, MUST have security clearance prior to base access and that security clearance application delays are not justifiable reasons for schedule delays.

Q9. APPENDIX 4- 1.5. Section 2 - ALTERNATE REQUIREMENT requires the Contractor's QP-PFAS to review and confirm the PFAS Destruction Facility can meet the PFAS Destruction Effectiveness Target as per the Specification Section 01 11 55 General Instructions Section 1.2.49. In the absence of PFAS off-gas emission regulations in Canada, are there any project specification requirements for PFAS in stack air emissions from a PFAS Destruction Facility, such as off-gas testing?

A9. The Contract does not specify PFAS emissions targets. The PFAS DET is defined (in 01 11 55 section 1.2.49) based upon temperature application and PFAS concentration reduction. The contract only requires submission of PFAS Process Control Requirements (01 11 55 sections 1.2.48, 1.2.50 and 01 61 00.04 section 1.4), which could include emissions specifications, if the PFAS Destruction Facility permit does not specifically reference the acceptance and treatment of PFAS.

Q10. For the thermal destruction of the PFAS, if the destruction facility meets the operation requirements outlined in Specification 01 11 55 article 1.2.49.1 and the DETs are not satisfied following combustion, is the Contractor responsible for additional destruction at their cost? Has Canada performed any pilot-scale testing to demonstrate that the source material's thermal destruction will be successful based on the requirements outlined?

A10. Yes, the contractor is responsible; pilot scale testing has not been completed.

Q11. For conventional contaminants that are comingled with the PFAS contamination, is it allowable to leave the stabilized material on-site? If a Risk Assessment is required to be completed to support this activity, will the Contractor's team be responsible, or will DND be conducting this at a later time?

A11. Yes, co-mingled contamination with PFAS will remain on site once stabilized. Future risk assessment is not a part of this contract.

Q12. The thermal destruction requirements state a minimum temperature of 1100 degrees C. Has a residence time for the destruction of PFAS in both stages of the incinerator been determined?

A12. Canada has not specified a residence time. The PFAS DET is defined (in 01 11 55 section 1.2.49) based upon temperature application and PFAS concentration reduction. The contract only requires submission of PFAS Process Control Requirements (01 11 55 sections 1.2.48, 1.2.50 and 01 61 00.04 section 1.4), which could include residence time specifications, if the PFAS Destruction Facility permit does not specifically reference the acceptance and treatment of PFAS.

Q13. Are there any geotechnical requirements for the stabilized soil that need to be achieved?

A13. Compaction requirements are specified in 02 61 00.02 section 3.9 and in the Drawings.

Q14. Will the department representative follow the Prime Contractor Health and Safety program? How many department representatives will be required to have full-time access to the site? Will the Contractor be required to count department representatives as part of the Site Health and Safety program? Will the department representative require any specific training, and will the prime be responsible for this training? For example, fire fighting training or PPE mask fit, proper use of PPE?

A14. Under BC WorkSafe BC requirements and as per Specification Section 01 35 29.14, the successful proponent will assume the Prime Contractor role with regard to health and safety and as such is responsible for the health and safety of persons on site, safety of property on site and for protection of persons adjacent to site and environment to extent that

they may be affected by conduct of Work. The Prime Contractor's Health and Safety Plan must comply with the regulations and the Contract, and will outline any requirements for specific training, PPE, and other related procedures.

Q15. Will the department supply PPE for its staff/contractors working on the site or, will the prime Contractor be responsible for all PPE?

A15. Canada and its representatives will supply PPE for its staff/contractors working on the site.

Q16. Will provincial Fire Fighting certification be sufficient enough for working on a federal site?

A16. The Prime Contractor is responsible for ensuring that personnel are trained in accordance with all applicable regulations under WorkSafe BC and others as applicable. Canada has no requirements for Fire Fighter certification for this Contract.

Q17. For project communication, will the Contractor be able to use their own designated frequency radios on-site, or will the channel be monitored by the department?

A17. The contractor will be able to use their own radios at the site at a frequency that does not interfere with base/airport operations. The proposed radio frequency will require approval by the Departmental Representative prior to use, post-award. This channel will be monitored by DND for security reasons, on an as needed basis.

Q18. For excavation control, can GPS equipped excavators be utilized, or will they interfere with CMOX Operations

A18. GPS equipped excavators can be used for this Contract.

Q19. Is the base fully or partially operational on Sundays?

A19. CFB Comox is operational 24/7. The hours of work are as per the Specification. Any requests to work outside of the identified hours will require pre-approval by the Department Representative, with advance notice, and are subject to base operations approval and availability of Canada's personnel and Commissionaires.

Q20. If locally-sourced backfill has high background concentrations of metals that marginally exceed CCME criteria, can this fill be used on-site? Has the department established background concentrations of metals for the site, for both groundwater and soil/rock?

A20. Import of fill with marginal CCME exceedances for metals are acceptable as long as all of the parameter values are below regional background values, as per the BC CSR, Protocol 4, and in accordance with Specification requirements for testing. There are no departmentally established background concentrations of metals for the site, for both groundwater and soil/rock.

Q21. Assuming the B.C. Ferry System is an acceptable option for marine transport of the material, would the bidder still need to include a Qualified Marine Surveyor as part of our bidder's team?

A21. Section 2.2 b) (3) of the RFP states the following: "For each role, a resume of a maximum of two (2) pages MUST be provided. Resumes should include relevant experience to similar work associated with this Contract, including number or years of relevant experience. Point rated criteria will take into consideration years of relevant experience in the role proposed for the project." Additionally, the Qualified Marine Surveyor experience accounts for a potential 20 points of the 200 total Technical Evaluation Points. Regardless of the proposed means and methods, a Qualified Marine Surveyor resume is required in order to achieve a point rating for this Key Personnel role.

Q22. I believe there is an error on the MANDATORY CFB COMOX FFTA SOURCE CONTROL PROJECT PFAS DESTRUCTION FACILITY FORM – REVISED FEB.10, 2021

Section 1:

authorization:	
Material Proposed to be disposed of at facility:	PFAS Contaminated Soil for Destruction
	<input checked="" type="checkbox"/> Please check to confirm
Volume of Material Proposed for destruction at this PFAS	

Should this say "Material Proposed to be destructed of at facility"

A22. Yes. Please see revised 'Mandatory CFB Comox FFTA Source Control Project PFAS Destruction Facility Form' below.

Q23. To ensure all technical and design aspects of the Government's RFP are responded to, we would like to request a bid extension until March 10, 2021

A23. We will not be granting an extension.

Revision to Mandatory Form

Under APPENDIX 4 – SUBMISSION REQUIREMENTS AND EVALUATION – 1.5. Mandatory CFB Comox FFTA Source Control Project PFAS Destruction Facility Form:

Delete in its entirety: Mandatory CFB Comox FFTA Source Control Project PFAS Destruction Facility Form – Revised Feb 10, 21

Add: Mandatory CFB Comox FFTA Source Control Project PFAS Destruction Facility Form – Revised Feb 23, 2021

Previously issued Mandatory CFB Comox FFTA Source Control Project PFAS Destruction Facility Form is replaced with **Mandatory CFB Comox FFTA Source Control Project PFAS Destruction Facility Form – Revised Feb 23, 2021**. The Mandatory CFB Comox FFTA Source Control Project PFAS Destruction Facility Form – Revised Feb 23, 2021 **must** be used when submitting your bid. **Any bid submitted on a previous version of the Mandatory CFB Comox FFTA Source Control Project PFAS Destruction Facility Form will be considered non-compliant and therefore disqualified.**

Incorporate Addendum 002

-See below

All other terms and conditions remain unchanged.

1.5 Mandatory CFB Comox FFTA Source Control Project PFAS Destruction Facility Form – Revised Feb 23, 2021

Each PFAS Destruction Facility, as defined in Specification Section 01 11 55 General Instructions Section 1.2.48. PFAS Destruction Facility and listed above in Table 4 must have a separate Mandatory CFB Comox FFTA Source Control Project PFAS Destruction Facility Form (template below) completed and submitted as part of the Tender Package.

At least one PFAS Destruction Facility must be identified. More than one PFAS Destruction Facility may be identified, but if multiple facilities are proposed, at least one facility identified must meet the stated requirements in the Specifications and solicitation documents. Only PFAS Destruction Facilities that meet the requirements of the Specifications may be used in the execution of this Contract.

Bidder must provide a PFAS Destruction Facility for all PFAS Contaminated Soil for Destruction identified in the specifications and account for final destruction of a cumulative tonnage of 19,000 tonnes of soil (include Base and Optional work) prior to Final Completion. Failure to account for destruction of the total cumulative specified tonnage of material will result in the Bidder being considered non-responsive and no further consideration will be given to the Bidder.

For the purposes of this Qualification Form, “operational” means “in or ready for use”, and being authorized by a Facility Regulator under Laws and Regulations to complete the services required under the Contract. For PFAS Destruction Facilities this means the facility is in or ready for use to receive, process, and thermally treat PFAS Contaminated Material at the facility as identified in the permit(s) and/or authorization(s).

For PFAS Destruction Facilities the “valid and subsisting permit, license, certificate, approval, or any other form of authorization issued by a Facility Regulator” at the time of tender closing must authorize all activities required to complete PFAS Destruction as defined in Specification Section 01 11 55 General Instructions Section 1.2.47.

As part of their due diligence, Bidders MUST verify that the proposed facilities meet all requirements. It is suggested that Bidders confirm directly with the facilities, and also with the Facility Regulator. Canada may undertake its own due diligence review to verify if the proposed facilities meet the stated requirements in the Specifications and solicitation documents; however **Canada will not follow up with Bidders for additional information during the tender process.** All information provided on the Mandatory CFB Comox FFTA Source Control Project PFAS Destruction Facility Form is subject to verification by Canada, if at any time the information on this form is proven to be incorrect or false the Bidder shall be disqualified and no further consideration will be given to the Bidder.

As a Mandatory part of the bid submission, Bidder’s must provide for each proposed PFAS Destruction Facility(ies) the following:

A fully completed Mandatory CFB Comox FFTA Source Control Project PFAS Destruction Facility Form authorized by a Qualified PFAS Professional [as defined in **Specification Section 01 11 55 General Instructions Section 1.2.58 Qualified PFAS Professional (QP-PFAS)**]. Note that this form is TWO pages. Provide one separate form, in its entirety, for each destruction facility proposed. Sections 1, 2, and 3 MUST be completed for each PFAS Destruction Facility proposed.

Mandatory CFB Comox FFTA Source Control Project PFAS Destruction Facility Form - Revised Feb 23, 2021

PROVIDE A SEPARATE FORM FOR EACH PFAS DESTRUCTION FACILITY PROPOSED

Section 1: Provide the following information

Bidder:	
Name of Qualified PFAS Professional:	
Professional Designation and Jurisdiction of Registration for Qualified PFAS Professional:	
Name of PFAS Destruction Facility:	
Address of PFAS Destruction Facility:	
Number or Identifier of PFAS Destruction Facility permit(s) or other form(s) of authorization:	
Facility Regulator(s) that issued the permit(s) or other form(s) of authorization:	
Material Proposed to be <u>destroyed</u> at facility:	PFAS Contaminated Soil for Destruction <input type="checkbox"/> Please check to confirm
Volume of Material Proposed for destruction at this PFAS Destruction Facility:	

Section 2: Please review and confirm the PFAS Destruction Facility meets following Specification requirements:

At the time of tender closing the PFAS Destruction Facility is an operational, permanent, existing at the time of tender posting, upland facility in accordance with the Specifications.	<input type="checkbox"/> Please check to confirm
At the time of tender closing the PFAS Destruction Facility has a permit or other form of authorization by the Facility Regulator that specifically authorizes destruction of PFAS. ALTERNATE REQUIREMENT - If the PFAS Destruction Facility permit does not include specific reference to the treatment of PFAS by the Facility Regulator, the PFAS Destruction Facility can meet the PFAS Destruction Effectiveness Target as per the Specification Section 01 11 55 General Instructions Section 1.2.49.	<input type="checkbox"/> Yes, if No go to Alternate Requirement <input type="checkbox"/> Yes <i>One of the two boxes above MUST be checked or the bid will be considered non-responsive and no further consideration will be given to the Bidder</i>

<p>The PFAS Destruction Facility has reviewed all the relevant tender documentation, including analytical data provided in Annex D, representing the composition and quality of material to be destroyed at the PFAS Destruction Facility, and prior to Final Completion, the PFAS Destruction Facility can destroy the volume and quality of material proposed, as described in Section 1 above.</p> <p>NOTE: As per Specifications and solicitation documents – the combination of proposed PFAS Destruction Facilities MUST be able to destroy a cumulative volume of 19,000 tonnes prior to Final Completion.</p>	<input type="checkbox"/> Please check to confirm
<p>The PFAS Destruction Facility can issue all associated Certificates of Destruction, as defined in Specification Section 01 11 55 General Instructions Section 1.2.7, prior to Final Completion.</p>	<input type="checkbox"/> Please check to confirm

Section 3: Required Signatures

By signing and sealing this form the Qualified PFAS Professional certifies that they have reviewed the permit for the proposed PFAS Destruction Facility and verifies that the PFAS Destruction Facility can destroy the volume and quality of material proposed, as described in Section 1 above, in concentrations as documented in analytical data provided in Annex D – Environmental Data.

Signature of Qualified PFAS Professional

Mandatory Qualified
PFAS Professional Seal
here:

I hereby certify that the information provided on this form has been verified and is correct:

Signature Destruction Facility Representative

Signature Bidder Representative

All information provided on this form is subject to verification by Canada, if at any time the information on this form is proven to be incorrect or false the Bidder shall be disqualified and no further consideration will be given to the Bidder

ADDENDUM #2

Date: Feb 23, 2021

CFB Comox FFTA Source Control Project
Comox, BC
EZ113-210191/B

The following revisions supersede the information contained in the original drawings and specification issued for the above named project, and shall become part thereof. No consideration will be allowed for extras due to the contractor or any subcontractor not being familiar with this Addendum.

1. Changes to the Specifications - Drawing 016

Relative to drain pipe specified in multiple places on Drawing 016,

Delete: 400mm PVC DR35

Insert: 450mm PVC DR35

END OF ADDENDUM #2