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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

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| <b>Title - Sujet</b> CFB Comox FFTA Source Control Proje<br>Projet de contrôle à la source dans l'AELI de la BFC Comox                                                      |                                              |
| <b>Solicitation No. - N° de l'invitation</b><br>EZ113-210191/B                                                                                                              | <b>Amendment No. - N° modif.</b><br>010      |
| <b>Client Reference No. - N° de référence du client</b>                                                                                                                     | <b>Date</b><br>2021-02-24                    |
| <b>GETS Reference No. - N° de référence de SEAG</b><br>PW-SPWY-031-8900                                                                                                     |                                              |
| <b>File No. - N° de dossier</b><br>PWY-0-43021 (031)                                                                                                                        | <b>CCC No./N° CCC - FMS No./N° VME</b>       |
| <b>Solicitation Closes - L'invitation prend fin</b><br><b>at - à 02:00 PM</b> Pacific Standard Time PST<br><b>on - le 2021-03-02</b> Heure Normale du Pacifique HNP         |                                              |
| <b>F.O.B. - F.A.B.</b><br><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><br>Leung, Janie                                                                                                 | <b>Buyer Id - Id de l'acheteur</b><br>pwy031 |
| <b>Telephone No. - N° de téléphone</b><br>(778) 919-3273 ( )                                                                                                                | <b>FAX No. - N° de FAX</b><br>( ) -          |
| <b>Destination - of Goods, Services, and Construction:</b><br><b>Destination - des biens, services et construction:</b><br>DND - CFB Comox, BC                              |                                              |

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

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**Les documents français seront disponibles sur demande.**

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This Amendment 010 is raised address questions and to revise Requirement for Bid Format.

**Questions and Answers**

**Q1.** The on site soil stabilization item is based on a unit measurement by the tonne. The soil amendment item is a lump sum pay item. If overages occur on the soil stabilization item, how will the additional amendment materials be captured?

**A1.** Scope changes (e.g., soil weight changes that consequently change amendment volume requirements) will be managed in accordance with the Contract General Conditions and only with approval by the Departmental Representative. Note: GC5 covers Terms of Payment.

**Q2.** Payment terms for Line Item 16 (Base Work) and Line item 7 (Optional Work) indicate payment will be made following provision of a Certificate of Disposal. The timeline from soil being weighed on site, destruction, confirmation of destruction then final disposal could potentially take up to three months as the Destruction Facility is allowed up to 100 days to complete destruction (pg 162, Section 3.1.7), and then a further 30 days for invoice payment. This will require the contractor to carry a significant cost burden for several months. Can allowance be made for partial payments following each stage of the transport-destruction-disposal processes rather than a single payment only at the end of the process?

**A2.** The contractor may destroy the material faster than the maximum time allowed. Multiple Certificates of Destruction/Disposal are allowed and can be submitted for payment as the project progresses.

**Q3.** Amendment 8 : In reference to the highlighted portion of the Q&A #3 below, does this requirement apply if using the approved Cetco product, Fluorosorb?

*Q3. For Amendment Equivalence testing, will site soil (i.e. "Site PFAS Contaminated Material") be made available or is it acceptable to use an artificial or spiked soil for testing?*

*A3. Site material is available upon request. To paraphrase 02 61 00.05:*

- At the proposal stage (02 61 00.05 section 1.4.2.1), Proponents must document effectiveness for conditions and PFAS parameters consistent with the Site conditions (e.g., pH, soil texture, organic carbon content, soil mineralogy) and methods must conform with Arcadis 2020.*
- The following section (02 61 00.05 section 1.4.2.2) stipulates that testing with Site material is required prior to 1. mobilization and that testing must conform with Arcadis 2020 methods.*

**A3.** As per Specification Section 02 61 00.05, 1.4.2, Amendment Equivalency is only required if a product other than those listed is proposed.

**Q4.** Based on the Q1 response, are we to understand that each bidder is to perform their own analysis of the data and determine for themselves what the "reduction of PFAs" should be? Also, it is not clear if the reductions desired are in Total PFAS, PFOS to total PFAS, or Final PFOS to total PFAS leachate concentrations of less than or equal to 1 microgram/liter. Do we need to achieve just one of these reductions or is achievement of all ALL of them necessary?

**A4.** In addition to the information in Amendment 008 Q&A1, the following clarification is provided: Equivalency must meet or exceed the reductions documented in Arcadis 2020:

- For Phase I – see individual parameters and average percent reduction in Table 5, columns labelled as Batch-5 (4% Rembind Plus) and Batch-8 (1% Fluorosorb).
- For Phase 2 –percent reduction relative to the control for individual PFAS parameters (as shown in top half of Table 4) and for Total PFAS (as shown in final row of Table 4). Note, the proponent must calculate the percent reductions using the Table 4 data.

Please also note the following:

- QP-PFAS supervision requirements for equivalency (02 61 00.05 section 1.4.2.2.2) proposal
- Equivalency documentation is welcome to include test methods in addition to those stipulated.

**Q5.** Can PWGSC provide any guidance or reference to the quality or duration that the temporary utilities must meet? Can a standard power distribution box with various line voltages and breakers suffice?

**A5.** Per 01 51 00 (including but not limited to section 1.5), there is no power supply at the FFTA and no power offered by DND. The contractor is responsible for all aspects of temporary utilities (i.e., utility needs assessment; location of available utility connection, if any; connection approvals; connection requirements). All work must be completed in accordance with applicable regulations.

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**Q6.** Does Concrete and other surface debris require incineration?

**A6.** Concrete disposal (i.e., not incineration) is specified in section 02 61 00.06.

**Q7.** As the risk is low to the Government of Canada and the Government's mandate is to promote competition in the open bidding system, will the Federal Government consider companies that are currently in the security clearance process to submit DOS clearance at the time of award?

**A7.** At RFP closing, the Bidder must hold a valid Security Clearance as indicated in section SC01 of the Supplementary Conditions. Failure to comply with this requirement will render the Bid non-compliant and no further consideration will be given to the Bid. A Request for Information was posted in June 2020 that listed the pending security requirements for this project and instructions to facilitate the application process for DOS. This is not a low risk item as schedule is a primary driver for this project.

**Q8.** Will the contractor have to dispose of demolition debris at the PFAS permitted landfill?

**A8.** No, demolition debris (see 02 41 13) does not have PFAS related disposal requirements.

**Q9.** Will the contractor have to dispose of Concrete at the PFAS permitted landfill?

**A9.** No, however the specifications do include requirements for the concrete disposal facility including but not limited to liner requirement (01 11 55 section 1.2.23.7). See also, 02 61 00.06 for concrete disposal details.

**Q10.** Section 2.2.4.9.5 with respect to ARD sampling

• Is this a typo in the first paragraph "import material cobble size or larger" this brings some concern as ARD potential increases as material size decreases. The more surface area (smaller particle size) the more ARD potential. Can you clarify if ARD testing should be completed on all materials being imported?

**A10.** There is no typo. The section is a routine section included in regional PSPC contaminated sites specifications. This specification is one of multiple fill quality requirements detailed in 02 61 00.02 and that are used to confirm suitability for finer grained material (e.g., laboratory analytical results).

**Q11.** We have remediated several FFTA's throughout Canada over the last 28 years. These sites also contained PFAS. We used low temperature thermal desorption to treat contaminated soil at these FFTA sites. We would like to find out if we are allowed to use thermal treatment of the soil that is slated for removal from the site as it would be significantly less expensive to remediate the soil and back fill the soil on site.

**A11.** It is the Contractor's sole responsibility to provide a destruction facility that meets the Contract requirements including but not limited to the destruction specifications. Please note 01 11 00 section 1.5.8.5.1 that states: "Prescribed PFAS Contaminated Material management methods are a requirement of the Contract, and alternatives (e.g., direct disposal without treatment), even if compliant with regulations, are not allowed under the Contract."

**Q12.** We note there is no backfill item in the Optional Work pricing form. Kindly clarify, since there does not seem to be sufficient quantity of soil to be stabilized from the Optional Work areas to replace all the soil removed.

**A12.** PFAS Contaminated Soil for Stabilization is paid based upon the weight of material generated during Base work (A) item 17 or Optional work (B) item 8 for an inclusive volume of 19,000 tonnes. Note that the total amount of imported backfill and stabilized material together exceeds the total excavation volume. As a result, stabilized material generated during either Base or Optional work will be placed, at least in part, above current grade north of the New FFTA. This is illustrated in Drawing 015 - Final Grading Concept which shows final elevations (variable ~ 19 m) north of the new FFTA which is higher than the current elevation (variable ~17 – 18 m) which are shown on Drawing 002.

**Q13.** Can addended items be in a different font, or do they need to be in Times New Roman 11Font? Are margins restricted on the appended items? Does the Gantt Chart require Times New Roman 11 Font? Lastly, does equal mean equivalent – For example, Century Gothic 11 or Calibri 11.

**A13.** No preference, except that the font must be legible. Minimum margins – 12 mm left, right, top, and bottom. No minimum font requirement for the Gantt Chart.

**Q14.** Specification page 22, Section 1.2.23.2. "for the handling and disposal of contaminated material that is not suitable for industrial, commercial, urban park, residential, agricultural, wildlands, or any other land use specified in local regulations (including Hazardous Waste Quality Materials, if required)." Is the intent that the landfill used for post – PFAS destruction soils must be permitted to accept soils exceeding the industrial land use standards regardless of the actual classification of the soil? Or does it mean permitted to accept the classification of soil actually being disposed of?

**A14.** Yes, the definition indicates that the landfill must be suitable for accepting waste quality (refer to the multiple requirements for a Disposal facility in 01 55 00 section 1.2.23) i.e., "contaminated material that is not suitable for industrial, commercial, urban park, residential, agricultural, wildlands, or any other land use specified in local regulations

(including Hazardous Waste Quality Materials, if required)". Note, the co-mingled contamination (including metals) that exceed the BC CSR IL standards per the Drawings and annexed data.

**Q15.** The page count requirements for bid format (25 pages) must include a Gant chart. Fitting a Gant chart on a 8.5 x 11 inch page will limit legibility, and a Gant chart on 11 x 17 inch will count as two pages. Can you allow Gant chart to be presented on 11 x 17 inch page and only count as one page?

**A15.** The Gantt chart will be excluded from the page count.

### **Revision to Requirement for Bid Format**

Under 2.0 Point Rated Criteria, 2.1 Requirement for Bid Format:

**Delete:** In its entirety 'Requirement for Bid Format'

**Insert:** Requirement for Bid Format – revised February 24, 2021

- a) The following bid format information should be implemented when preparing the Technical Evaluation Component of the bid:

- (1) Maximum number of pages (including text and graphics) to be submitted for the Point Rated Requirements is: **twenty-five (25) pages, all inclusive. Up to 10 of the 25 pages can be figures and drawings.**
- (2) Submit one (1) bound original hardcopy of the bid or one (1) electronic proposal through epost Connect
- (3) Minimum font size – 11 point; font types Times New Roman or equal
- (4) Minimum margins – 12 mm left, right, top, and bottom
- (5) Double-sided submissions are preferred
- (6) One (1) page – means one side of a 8.5 inch x 11 inch sheet of paper (i.e. an 11 inch x 14 inch page counts as two (2) pages)
- (7) The order of the documents should follow the order presented in Section 2.2 and 2.3
- (8) The following are not part of the page limitation mentioned above;
  - (a) Covering letter
  - (b) Table of Contents
  - (c) Front page of the Technical Evaluation Document
  - (d) Any amendments to the Technical Evaluation Document issued prior to date set for receipt of bid
  - (e) Transmittal Sheets
  - (f) Cover and backing of the document
  - (g) Blank tabs
  - (h) Mandatory Criteria Responses for Section 1.1, 1.2, 1.3, 1.4
  - (i) Mandatory CFB Comox FFTA Source Control Project PFAS Destruction Facility Form(s) – **revised February 23, 2021**
  - (j) Mandatory CFB Comox FFTA Source Control Project Disposal Facility Form(s) – **revised February 10, 2021**
  - (k) Key personnel resumes (maximum 2 pages each)
  - (l) Copies of permits, certificates, approvals, or other forms of authorization
  - (m) RFP Appendices, Annexes, and Attachments
  - (n) **Mandatory Conceptual Gantt Chart including milestones, substantial completion and final completion dates as indicated in the specification (as indicated in 2.3 b), Construction Sequence for completion of the work to meet the schedule requirements)**

- b) Consequence of non-compliance: any pages which extend beyond the maximum limits indicated, will be extracted from the bid and will not be forwarded to the PWGSC Evaluation Board for evaluation.

**All other terms and conditions remain unchanged.**