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Public Works and Government Services Canada - Pacific  
Region

800 Burrard Street, Room 219

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<b>Title - Sujet</b> CFB Comox FFTA Source Control RFI	
<b>Solicitation No. - N° de l'invitation</b> EZ113-210191/A	<b>Date</b> 2020-06-12
<b>Client Reference No. - N° de référence du client</b>	<b>GETS Ref. No. - N° de réf. de SEAG</b> PW-\$PWY-028-8784
<b>File No. - N° de dossier</b> PWY-0-43021 (028)	<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 2020-06-30</b>	
<b>Time Zone</b> <b>Fuseau horaire</b> Pacific Daylight Saving Time PDT	
<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> Lam (PWY), Tian	<b>Buyer Id - Id de l'acheteur</b> pwy028
<b>Telephone No. - N° de téléphone</b> (604) 363-7968 ( )	<b>FAX No. - N° de FAX</b> (604) 775-6633
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> DND - CFB Comox, BC	

Instructions: See Herein

Instructions: Voir aux présentes

<b>Delivery Required - Livraison exigée</b> See Herein	<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/ de l'entrepreneur ( taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

## **Request for Information (RFI)**

### **CFB Comox FFTA (Fire Fighting Training Area) Source Control Project, Lazo, B.C.**

#### **Purpose of this RFI**

Public Service and Procurement Canada, on behalf of the Department of National Defence (Canada) is requesting information from interested parties for the remediation of contaminated soil, sediment and construction water at the Fire Fighting Training Area (FFTA) in Canadian Forces Base (CFB) Comox. This RFI is intended to gather information that could assist Canada in the development of a future procurement process. In the event that sufficient information is received, Canada, may, but is not obligated to, initiate a competitive, limited or directed contracting process.

The purpose of issuing this RFI is to:

- Provide awareness of the planned project to industry
- Notify industry of security requirements for the potential contract work on site
- Notify industry of enhanced health and safety requirements resulting from the COVID 19 pandemic
- Gather information and interest in this planned project and allow industry to propose ideas or concerns and ask questions
- Verify that suitable landfilling, treatment and/or destruction facilities exist for the soil contaminants, and anticipated soil volume and quality
- Identify any technical, logistical, or regulatory constraints for contaminant management associated with the material at this site

#### **Estimated Value of Project**

The total estimated value of this project is in the range of \$20,000,001 to \$40,000,000.

#### **Background of the RFI**

The Department of National Defence (DND), which administers Canadian Forces Base (CFB) Comox, is implementing a remediation and risk management program at the Fire Fighting Training Area (FFTA) of CFB Comox to address soil and groundwater contamination from historical fire fighter training activities. The project includes source removal of soil in select areas to reduce contaminant mass at the site and associated liability for DND. Although the work will include excavation, contaminated media management and site restoration, the focus of this RFI is the contaminant management components of the project (i.e., treatment, destruction, or disposal), and security requirements.

As a result of these historical FFTA activities at CFB Comox, contamination exceeds the federal industrial land use guidelines in soil within the Project Area. The primary contaminants of

concern (COCs) in soil at the FFTA are per- and polyfluoroalkyl substances and their precursors (PFAS), but the site soil also includes limited petroleum hydrocarbon contamination that must also be managed. Data for other parameters including metals, volatile organic compounds, phenols, glycols, polychlorinated biphenyls, herbicides, and explosives are less than the referenced Canadian federal guidelines and provincial standards. Attached tables summarize the analyzed COCs along with summary statistics.

PFAS, the main COC at the FFTA, are a complex family of more than 3,000 manmade fluorinated organic chemicals. PFAS compounds in the FFTA soil are an environmental concern because of their global distribution, persistence, toxicity and tendency to bioaccumulate. Many PFAS parameters have been identified in historical firefighting foam formulations and related contaminated media; however, at the present time, commercial laboratories in Canada provide analysis for only a limited number of the individual chemicals related to firefighting foams. Up to 30 PFAS parameters have been analyzed in soil at the site. Site parameter concentrations are not expected to exceed the Stockholm Convention limits. Total Oxidizable Precursor (TOP) Assay results collectively suggest PFAS precursors are present in soil in the proposed excavation areas. Copies of TOP Assay results are attached for reference.

### **Project Description**

The focus of this project, the solicitation for which is expected to be published in January 2021, is the remediation of contaminated soil, sediment and construction water at the FFTA in CFB Comox. Up to 30,000 cubic metres of contaminated soil are proposed to be removed and remediated as part of this project. Due to physical restrictions, soil remediation cannot be conducted on site and will be completed during dry conditions (i.e., summer). Following excavation, the area will be returned to grade with imported clean geotechnical fill and the FFTA will be restored for operational use. The remediation required by this Contract will not be a standard excavation and disposal project, as outlined below:

- PFAS compounds are not yet regulated in all Canadian jurisdictions and may not be specifically contemplated in permits, special consideration of each management option respecting PFAS is warranted to protect the environment. Of particular interest are solid waste and leachate containment systems; and treatment or destruction efficacy.
- The characterization of the excavated material is suitable for initial soil classification purposes for this project. The contractor shall be responsible for any additional soil characterization that may be required during the execution of the contract for health and safety purposes, transportation, disposal, or to meet regulatory or permit requirements. The material is classified as IL+ Waste as defined in the current British Columbia Contaminated Sites Regulation (BC CSR). For the purposes of this project, PFAS contaminated soil is considered hazardous waste for disposal purposes.
- Excavated material within the FFTA Project Area is in restricted access areas. Work within CFB Comox must comply with 19 Wing Comox environment practices and procedures.

- Dispersion of contaminated soil during excavation, construction, handling and transport, as well as during treatment, destruction or disposal could spread contamination and is of great concern to PWGSC. The contractor shall conduct its work in a manner to minimize, to the extent practicable, redistribution of contaminated soil, and to comply with environmental protection requirements in the specifications and with permit conditions.
- The contractor shall use extra care to conduct its work in a manner that is suitable for environmental cleanup of this particular contaminant.

**Industrial Security Related Requirements:**

The following are the MANDATORY security requirements for bidders to be eligible to bid on the project, if and when the project is publicly advertised to solicit bids from the bidding community:

At bid closing, the Proponent must hold a valid Security Clearance. Failure to comply with this requirement will render the Proposal non-compliant and no further consideration will be given to the Bid.

The Successful Proponent's personnel, as well as any subcontractor and its personnel, who are required to perform any part of the Work pursuant to the subsequent contract must meet the mandatory security requirement.

It is the responsibility of the successful proponent to ensure that the security requirements are met throughout the performance of the contract. Canada will not be held liable or accountable for any delays or additional costs associated with the successful bidder's non-compliance with the mandatory security requirement.

The FFTA Work Site is located in an area where the following Industrial Security Requirements apply:

1. L'entrepreneur ou l'offrant doit détenir en permanence, pendant l'exécution du contrat ou de l'offre à commandes, une attestation de vérification d'organisation désignée (VOD) en vigueur, délivrée par le Programme de sécurité des contrats (PSC), Travaux publics et Services gouvernementaux Canada (TPSGC).
2. Les membres du personnel de l'entrepreneur ou de l'offrant devant avoir accès à des établissements dont l'accès est réglementé doivent TOUS détenir une cote de **FIABILITÉ** en vigueur, délivrée ou approuvée par le PSC, TPSGC.
3. Les contrats de sous-traitance comportant des exigences relatives à la sécurité NE DOIVENT PAS être attribués sans l'autorisation écrite préalable du PSC, TPSGC.
4. L'entrepreneur ou l'offrant doit respecter les dispositions :

- a) de la Liste de vérification des exigences relatives à la sécurité et directive de sécurité (s'il y a lieu), reproduite ci-joint à l'Annexe \_\_\_\_\_ ;
- b) du *Manuel de la sécurité industrielle* (dernière édition).

PWGSC shall sponsor any potential vendors that do not presently have the level of security clearance indicated above so CISD can initiate procedures to conduct a security clearance. Interested suppliers desiring such sponsorship shall make such a request in writing to the Contract Authority on this RFI.

### **COVID 19 Specific Health and Safety Requirements**

Contractors will be required to implement COVID 19 specific Health and Safety protective measures as per relevant protocols and advisories from public health authorities and construction associations. Example measures may be found at the following links:

BC Provincial Health Services Authority – Centre for Disease Control

[http://www.bccdc.ca/health-info/diseases-conditions/covid-19/common-questions?utm\\_campaign=20200526\\_GCPE\\_AM\\_COVID\\_1\\_ADW\\_BCGOV\\_EN\\_BC\\_TEXT](http://www.bccdc.ca/health-info/diseases-conditions/covid-19/common-questions?utm_campaign=20200526_GCPE_AM_COVID_1_ADW_BCGOV_EN_BC_TEXT)

Canadian Construction Association

<https://www.cca-acc.com/wp-content/uploads/2020/06/CCA-COVID-19-Standardized-Protocols-for-All-Canadian-Construction-Sites-05-26-20.pdf>

### **FFTA Source Control Project Questions**

For the purpose of this project, Canada is interested in determining the availability and efficacy of service providers including services and facilities that manage PFAS contaminated wastes (with other contaminants as noted) via any of the following management services:

- Offsite Destruction/transformation,
- Offsite Treatment (separation/stabilization/solidification), and/or
- Offsite Disposal at a permitted hazardous waste facility.

In your response to this RFI, please present information that describes your contaminant management services (particularly relating to PFAS but including other FFTA COCs as well) including any relevant technical, logistical, regulatory, and commercial details that would pertain to the project including but not limited to the following questions.

1. Do you provide PFAS (and other FFTA contaminant) management services? If so, please provide a list of the services you offer and indicate which of the above listed methods you employ. Please include examples of services conducted for PFAS soil contamination

completed, if any. Please include a detailed summary including a brief history of work and/or projects completed within the last 10 years (if any).

2. Describe regulatory framework for each facility that would likely be employed in PFAS management for this FFTA Source Control Project e.g., temporary storage; landfilling; destruction and/or treatment, and final disposal including regulating agency; operating permits/approvals; regulatory approval process and routine reporting requirements. Specifically indicate if the landfill is permitted to accept hazardous waste. We encourage inclusion of applicable permits/approvals and proof of compliance for the last 5 years.
3. If treating or destroying, demonstrate that the service removes 99.99% of PFAS (including precursors). If technically feasible, provide mass balance data that documents full capture or mineralization for the fluorine mass including but not limited to PFOS/PFOA in all discharges (soil, liquid, and vapour/emissions). Include third party Qualified Professional (QP) endorsement and QP credentials.
4. Detail the full process loop (e.g., flow chart) from input to final discharge (solid, liquid, vapour, emissions) including temporary storage, transportation, facility acceptance; storage; treatment process; discharge locations and related process, discharge, or disposal permits for each step.
5. For landfills; describe the step by step process for managing PFAS wastes at the landfill including but not limited to leachate management and treatment processes.
6. Provide confirming information that the management facility has the capacity to accept the predicted volume (up to 30,000 m<sup>3</sup>) and anticipated schedule for completion (i.e., disposal or treatment certificates). Indicate any logistical constraints at management facilities, e.g., treatment capacity (speed and/or permit limits); transportation implications (barge volumes) or storage capacity.
7. For treatment (e.g., solidification) technologies, in addition to the above questions, indicate the total soil volume expansion implications, if any, and whether final product could be geotechnically suitable for backfill and any constraints on its future use.
8. Please identify any other issues, concerns, new technologies, innovative practices or other recommendations not addressed above.

### **Important Note to Respondents**

Respondents may submit their responses to the PSPC Contracting Authority, identified below, preferably via email.

Tian Lam  
Supply Specialist, Real Property Contracting  
Public Services and Procurement Canada  
219 - 800 Burrard Street  
Vancouver, B.C. V6Z 0B9  
E-mail address / Telephone/ Facsimile: Tian.Lam@pwgsc-tpsgc.gc.ca/604-363-7968/604-775-6633

This RFI is neither a call for tender nor a Request for Proposal (RFP). No agreement or contract will be entered into based on this RFI. The issuance of this RFI is not to be considered in any way a commitment by the Government of Canada, nor as authority to potential respondents to undertake any work that could be charged to Canada. This RFI is not to be considered as a commitment to issue a subsequent solicitation or award contract(s) for the work described herein.

This RFI is not intended to constitute, or be interpreted as, a call for tenders, a call for proposals, or as a pre-qualification process. Submission of a response to this RFI or participation in a meeting is not intended to, nor does it, create any contractual or other legally binding obligation or duty, including any obligation or duty to accept or reject information, to enter into negotiations or decline to enter into or continue negotiations, or to award or decline to award a contract. Participation in this RFI and the submission of a response to this RFI is not a pre-condition to participation in a subsequent commercial process, if any.

Respondents are requested to provide their comments, concerns, and, where applicable, alternative recommendations regarding how the requirements or objectives described in this RFI could be satisfied. Respondents should explain any assumptions they make in their responses.

There is no formal structure or format that a response to this RFI should meet. The respondent should feel free to submit whatever information it feels would make a useful and relevant contribution to Canada's analysis of this project and the development of solicitation documents to procure a solution to fulfill its requirements.

Canada may, in its sole discretion, contact any respondents to follow up with additional questions or for clarification of any aspect of a response.

This RFI will not result in the creation of any source list. Therefore, whether or not any potential supplier responds to this RFI will not preclude that supplier from participating in any future procurement.

All responses will be treated as confidential, subject to the provisions of the Access to Information Act (R.S. 1985, c. A-1) and the Privacy Act (R.S., 1985, c. P-21).

Canada will in no way make any direct attribution of any information obtained from respondents that has been identified by respondents as confidential or proprietary within their responses.

Responses will not be formally evaluated. However, PWGSC and the Department of National Defence will review all responses received by the RFI closing date. Canada may, at their discretion, review responses received after the RFI closing date.

A review team composed of representatives of Canada will review the responses received. Canada reserves the right to hire any independent consultant or use any resources that it considers necessary to review any response, in part or in its entirety. Not all members of the review team will necessarily review all responses.

In addition to any other expressed or implied rights, Canada reserves the right to:

- .1 Cancel this RFI process at any time;
- .2 Cancel this RFI process at any time and issue a new RFI for the same or similar information;
- .3 Make amendments to the timing and/or structure of this RFI process, including the closing date of the RFI, at its exclusive discretion;
- .4 Request additional supporting information or clarification from any or all respondents, and/or provide to respondents additional clarification and information pertinent to this RFI;
- .5 Contact any customer or reference provided within a respondents submission; and
- .6 Not consider any response, in its entirety, containing information which Canada in its opinion, believes to contain misrepresentations or any other inaccurate, suspicious or misleading information.

Questions regarding this RFI must be submitted electronically and to the contracting authority named above. Questions must be received no later than five (5) business days before the closing of the RFI in order to allow sufficient time to provide a response. Enquiries received after that time may result in an answer NOT being provided.

Feedback and responses related to this RFI are requested no later than June 30, 2020 in order to allow for its review. Feedback and responses received after this date may not be considered.

Changes to the RFI may occur and will be advertised on the Government Electronic Tendering System ([buyandsell.gc.ca](http://buyandsell.gc.ca)). PWGSC may provide written answers to questions received on or before the RFI closing date by means of RFI addenda and or Questions and Answers Posted on [Buyandsell.gc.ca](http://Buyandsell.gc.ca). Canada asks Respondents to visit [Buyandsell.gc.ca](http://Buyandsell.gc.ca) regularly to check for changes, if any.