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Vancouver  
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

<b>Title - Sujet</b> APEC 22 Remediation	
<b>Solicitation No. - N° de l'invitation</b> EZ897-180858/A	<b>Amendment No. - N° modif.</b> 003
<b>Client Reference No. - N° de référence du client</b>	<b>Date</b> 2017-08-24
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$PWY-026-8137	
<b>File No. - N° de dossier</b> PWY-7-40150 (026)	<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 2017-08-30</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> Yi (PWY), Patty	<b>Buyer Id - Id de l'acheteur</b> pwy026
<b>Telephone No. - N° de téléphone</b> (778) 919-2578 ( )	<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> PWGSC - Watson Lake Airport - Watson Lake, YT	

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>

Solicitation No. - N° de l'invitation  
EZ897-180858/A

Amd. No. - N° de la modif.  
003

Buyer ID - Id de l'acheteur  
PWY031

Client Ref. No. - N° de réf. du client

File No. - N° du dossier  
PWY-7-40150

CCC No./N° CCC - FMS No./N° VME

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This Amendment #003 is raised to incorporate a revised Appendix 1 - Combined Price Form and to address questions.

**Revised Appendix 1 – Combined Price Form**

Previously issued Appendix 1 – Combined Price Form is replaced with **Appendix 1 – Combined Price Form, REVISED August 24, 2017**,

***The Appendix 1 - Combined Price Form REVISED August 24, 2017 MUST be used when submitting your bid. Any bid submitted on a previous version of Appendix 1 – Combined Price Form will be considered non-compliant and therefore disqualified.***

## APPENDIX 1 - COMBINED PRICE FORM – Revised August 24, 2017

- 1) The prices per unit shall govern in establishing the Total Extended Amount. Any arithmetical errors in this Appendix will be corrected by Canada.
- 2) Canada may reject the bid if any of the prices submitted do not reasonably reflect the cost of performing the part of the work to which that price applies.

### UNIT PRICE TABLE

The Unit Price Table designates Work to which a Unit Price Arrangement applies.

- (a) Work included in each item is as described in the referenced specification section.
- (b) The Price per Unit shall not include any amounts for Work that is not included in that unit price Item.

	Class of Labour, Plant or Material	Unit of Measurement	Estimated Quantity (EQ)	Price per Unit applicable taxes extra (PU)	Extended amount (EQ x PU) applicable taxes extra
1	Pre-Mobilization Submittals	Lump Sum	1		
2	Mobilization	Lump Sum	1		
3	Site and Ground Surface Preparation	Lump Sum	1		
4	Monitoring Well Decommissioning	Lump Sum	1		
5	Traffic Control	Lump Sum	1		
6	Test Pitting	Hours	16		
7	Site Facilities Provision	Lump Sum	1		
8	Site Facilities Operation	Lump Sum	1		
9	Temporary Site Fencing	Lineal Meters	470		
10	Survey	Lump Sum	1		
11	Standby Time	Day	1		
12	Waste Oversize Debris Removal and Disposal	Cubic Meters	10		
13	Access Road Maintenance	Lump Sum	1		
14	Water Management – Equipment	Lump Sum	1		
15	Water Management – Disposal	Litres	5000		
16	Contaminated Material – Excavate, Transport to LTF, Place	Cubic Meters	3500		
17	Non-Contaminated Material – Excavate, Transport (within 300 m), Stockpile	Cubic Meters	11875		
18	Hazardous/Special Waste Soil – Excavate, Transport (off-Site)	Cubic Meters	10		
19	Metals Impacted Soil – Excavate, Transport (off-Site)	Cubic Meters	20		
20	Purchase and Install Curtain Liner	Square Meters	500		
21	Backfill –Imported material from Land Treatment Facility	Cubic Meters	3000		

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PWY031

Client Ref. No. - N° de réf. du client

File No. - N° du dossier  
PWY-7-40150

CCC No./N° CCC - FMS No./N° VME

	Class of Labour, Plant or Material	Unit of Measurement	Estimated Quantity (EQ)	Price per Unit applicable taxes extra (PU)	Extended amount (EQ x PU) applicable taxes extra
22	Backfill – Imported material from Off-Site	Cubic Meters	500		
23	Backfill – Overburden and Topsoil	Cubic Meters	11875		
24	Disposal –Hazardous Waste/Special Waste	Tonnes	20		
25	Disposal – Metals Impacted Soil	Tonnes	20		
26	Site Restoration	Lump Sum	1		
27	Demobilization	Lump Sum	1		
28	Closeout Submittals	Lump Sum	1		
29	Removal and Disposal of asbestos containing material	Kg	50		
<b>TOTAL BID AMOUNT</b> Excluding GST					

**Notes:**

n/a – Not Applicable

LS – Lump Sum

Per day – based on a 10-hour working day. If additional hours are worked, the charges for each additional hour will be pro-rated based on the “per day” (9 hour working day) rate.

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## **Questions and Answers**

**Q1:** Per – Unit Price Table (UPT0 Line Item – 17 “Non-contaminated Material – Excavate, Transport (within 300 m), stockpile”. Please clarify – the contractor is to construct a bermed/lined (20 mil) temporary storage area and stockpile the overburden side slope material outlined in Appendix F to allow for confirmatory environmental soil analyses to confirm the material is suitable for backfill?

**A1:** *In the AEC 22 Specifications, per Section 02 61 00.02 Soil Remediation General Construction subsection 3.3.6.3 “Stockpile Overburden as directed by Departmental Representative.” Section 31 23 33.01 sub-section 3.8 Backfilling provides details on backfilling operations including 3.8.1 “Do not proceed with backfilling operations until completion of following: Confirmation Sampling, analysis, and assessment have been completed by the Departmental Representative.” A bermed facility is not required for compliant overburden material. If the contractor elects to store contaminated soil near the excavation rather than hauling straight to the Land Treatment Facility or other permitted facility than a bermed containment area would be required.*

**Q2:** Please confirm, will the contractor be responsible for sampling/confirming the overburden is suitable for backfill or will the department representative be responsible for the confirmatory sampling?

**A2:** *Section 31 23 33.01 sub-section 3.8 Backfilling provides details on backfilling operations including 3.8.1 “Do not proceed with backfilling operations until completion of following: Confirmation Sampling, analysis, and assessment have been completed by the Departmental Representative.”*

**Q3:** Specific to AEC 22B, the proposed excavation limits undermine the existing building. As the value of the project was estimated at \$1,000,000 - \$1,500,000, it would appear that underpinning and undermining the building are beyond the scope of this project. Please confirm the contractor will only be responsible for excavating in the vicinity of the building as is safe without in the absence of structural building/foundation supports?

**A3:** *It is anticipated that the contractor would retain appropriately qualified professionals to determine the closest approach to the building without impacting the structure. If contaminated soil remains, a curtain liner would be installed prior to backfilling. The Departmental Representative reserves the right to confirm the closest approach limit to structures by retaining their own independent and appropriately qualified professional.*

**Q4:** Specific to AEC 22B, the proposed excavation is situated in a paved area. Are we to account for removing/replacing the asphalt before and after the remedial activities are completed?

**A4:** *Contractor is required to restore the Site “to make suitable for post-Work use”. This “includes re-establishment of pre-existing infrastructure” and “repair and maintenance of access road, restoration of equipment staging areas, onsite roadways, stockpile areas, access pad areas, as required.” [01 11 00 subsection 1.1.26]. Further, Section 02 61 00.02 subsection 3.5.9 states “Reinstate surface to pre-existing conditions, including surface material (e.g. vegetation, gravel, pavement) unless otherwise indicated or as directed by the Departmental Representative.”*

**Q5:** Per UPT line item 15 – Water Management – Disposal. The line item lists a quantity of 5000 L. Per Summary of Work, 01 11 00, sub section 1.1.15 “Water Management – Disposal will be paid in accordance with the unit rate price established for disposal of liquid collected in a minimum 5,000L tank onsite at an approved or disposal at a permitted facility as accepted by the Department Representative”. Please clarify, are we to assume the volume of water to be treated/disposed of is only 5000L? Based on the drawings, geological logs and dewatering requirements to complete the scope of work, we anticipate the volume to be much larger than 5000L. Or, should the line item/explanation be interpreted as: the contractor will be paid per 5,000L treated and disposed onsite or offsite?

**A5:** *As mentioned, Summary of Work 01 11 00 sub section 1.1.15 states “...the unit rate price established for disposal of liquid collected in a **minimum** 5,000 L tank...” It is possible there could be more than 5,000 L and the unit price is for disposal of liquid collected in a 5,000 L tank onsite at a permitted facility as accepted by the Departmental Representative. The tender package was prepared assuming the contractor is familiar with wet excavation techniques where minimal water is pumped during excavation below the water table and the excavation is backfilled as a minimum to just above the water table at the end of each shift.*

**Q6:** Please confirm the applicable water quality criteria pertinent to surface water discharge onsite? And the applicable water quality criteria pertinent to onsite subsurface (pit) discharge of treated water.

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**A6:** *Per SNC Lavalin's SSI and RAP/RMP dated 22 March 2017: Environment Yukon guidance specifies that AW standards apply to sites where surface water supporting aquatic life is located within a 50-year travel time of the leading edge of contaminated groundwater plume. This generally correlates to a 1 km distance. Therefore, AW standards are considered generally applicable to sites where surface water is located within a 1 km radius of the site. Similarly, EY specifies that DW standards apply to sites where the leading edge of a contaminated groundwater plume is within a 100-year travel time of an existing or probable future drinking water source. This correlates to surface water used as drinking water source (and by default water wells) located within a 1.5 km radius of the site.*

**Q7:** For bidding purposes would it be possible for the contractor to assume no excavation underneath the footprint of the building in AEC 22B (See attached)? There are significant engineering and construction costs with supporting this building and from the site visit the sense was we were hoping not to have to excavate under the building.

**A7:** *Please review answer to Question 7.*

**Q8:** Please provide ground water table elevations in correspondence to the bore hole information provided within the Tender document.

**A8:** *The "Watson Lake Airport APEC 22 Supplemental Site Investigation and RAP/RMP" prepared by SNC Lavalin for PSPC on March 22, 2017 is attached for your reference and contains the groundwater table elevations requested.*

**Q9:** Please identify full depth for each excavation.

**A9:** *The "Watson Lake Airport APEC 22 Supplemental Site Investigation and RAP/RMP" prepared by SNC Lavalin for PSPC on March 22, 2017 is attached for your reference and contains information to determine the approximate excavation depths. In addition, Appendix F of the Specifications for AECs 22 contains relevant information to determine approximate excavation depths. Bear in mind, per Section 01 11 00 Summary of Work subsection 1.1.16 "Measurement as recorded insitu Excavation volume of final Contaminated Material Extents as Surveyed by Departmental Representative."*

**Q10:** Please provide all the monitoring well logs.

**A10:** *The "Watson Lake Airport APEC 22 Supplemental Site Investigation and RAP/RMP" prepared by SNC Lavalin for PSPC on March 22, 2017 is attached for your reference and contains the borehole logs.*

*You will find this under Attachments.*

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