

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Regional Manager/Real Property
Contracting/PWGSC
Ontario Region, Tendering Office
12th Floor, 4900 Yonge Street
Toronto, Ontario
M2N 6A6
Ontario

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
Regional Manager/Real Property Contracting/PWGSC
Ontario Region, Tendering Office
12th Floor, 4900 Yonge Street
Toronto, Ontario
M2N 6A6
Ontario

Title - Sujet 450 SSS Re-survey	
Solicitation No. - N° de l'invitation EQ447-130640/A	Amendment No. - N° modif. 004
Client Reference No. - N° de référence du client R.023276.307	Date 2012-09-18
GETS Reference No. - N° de référence de SEAG PW-\$PWL-035-1727	
File No. - N° de dossier PWL-2-35057 (035)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2012-09-25	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
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: Woodhall, Lauren	Buyer Id - Id de l'acheteur pwl035
Telephone No. - N° de téléphone (416) 512-5873 ()	FAX No. - N° de FAX (416) 512-5862
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: PWGSC-TPSGC Port Hope Port Hope, ON L1A 3S4	

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

Solicitation Amendment 004

This purpose of this amendment is to address questions raised by bidders as well as make changes to the schedule, the Price proposal form, and some sections in the SOW

DELETE:

From Section 6.13 of the SOW

SCHEDULE

The estimated period to complete this work is 9 months from the award of contract. Work is expected to start in Fall 2012 and to finish May 2013. The Contractor shall maintain the project schedule that is agreed upon with the PWGSC PM at the project initiation. Schedule is to be provided in Primavera P6 and PDF. The project schedule will adhere to the following milestone completion dates for this project:

Kick off meeting	1 week after award of contract
Submission of all plans included in Section 6.10 (items 1 to 10)	3 weeks after award of contract
Start of field work	3 weeks after kick off meeting
Completion of resurvey work	12 weeks after start of field work
Start of Winter Radon field work	December 3, 2012
Completion of Winter Radon Field work (if additional works are warranted based on the results of winter radon survey, a work plan including a schedule will be submitted by the Contractor)	8 weeks from start of winter radon field work
Completion of property draft resurvey reports and delineation reports	4 weeks after end of winter radon field work
Completion of final resurvey reports and delineation reports	3 weeks after receipt of comments on draft reports
Completion of draft project summary report, including lessons learned, and remediation cost estimates	2 weeks after completion of property resurvey reports and delineation reports
Completion of final project summary report, including lessons learned, and remediation cost estimates	2 weeks after receipt of comments on draft report

Final project wrap up meeting	2 weeks after completion of final report
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INSERT:

The estimated period to complete this work is 42 weeks after award of contract. Work is expected to start in Fall 2012. The Contractor shall maintain the project schedule that is agreed upon with the PWGSC PM at the project initiation. The project schedule will adhere to the following milestone completion dates for this project:

Kick off meeting	1 week after award of contract
Review of reference documents and submission of all plans included in Section 6.10 (items 1 to 10)	4 weeks after award of contract
Review and approval of all plans by AECL/PWGSC	6 weeks after award of contract
Start of Exterior Gamma Scanning Field Work (RP plan not required for this work)	6 weeks after award of contract
Start of Remaining Field Work	8 weeks after award of contract
Completion of resurvey work	24 weeks after award of contract
Start of Winter Radon field work	December 17, 2012
Completion of Winter Radon Field work (if additional works are warranted based on the results of winter radon survey, a work plan including a schedule will be submitted by the Contractor)	12 weeks after start of the radon field work (All installation should be completed by February 18, 2013)
Completion of property draft resurvey reports and delineation reports	29 weeks after award of contract
AECL/PWGSC reviews of draft reports	32 weeks after award of contract
Completion of final resurvey reports and delineation reports	35 weeks after award of contract
Completion of draft project summary report, including lessons learned, and remediation cost estimates	37 weeks after award of contract
Completion of final project summary report, including lessons learned, and remediation cost estimates	39 weeks after award of contract
Final project wrap up meeting	42 weeks after award of contract

DELETE:

In Section 6.6.1.2, 14th paragraph

Sample analysis for the four signature parameters must be completed by a laboratory accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) and must have the capability of carrying out specialized radioactivity testing. Analysis must be completed by ICP metal scan for the metals and by gamma spectroscopy for the radiological components. A sample labeling protocol will be provided to the Contractor. After completion of all required analysis, individual spent samples must be transported from the lab and stored in the AECL's office in Port Hope for future reference/retesting, if required.

I NSERT:

Sample analysis for the four signature parameters must be completed by a laboratory accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) or by Standards Council of Canada (SCC) and must have the capability of carrying out specialized radioactivity testing. Analysis must be completed by ICP metal scan for the metals and by gamma spectroscopy for the radiological components. A sample labeling protocol will be provided to the Contractor. After completion of all required analysis, individual spent samples must be transported from the lab and stored in the AECL's office in Port Hope for future reference/retesting, if required.

DELETE:

Table 3: Summary of Major Tasks/Deliverables and Responsibilities

Major Tasks/Deliverables	Responsible	
	AECL/PWGSC	Contractor
Scope Approval, Budget and Timeline	X	
Municipal and Regulatory Approvals	X	X
Project Oversight	X	
Technical Scope of Work	X	
Approval of SSSR Consultant's Plans	X	
Project Management	X	
Contract Management and Documentation	X	
SOPs		X
Quality Assurance Plan		X
Communications Plan	X	X

Project Schedule		X
Meeting Agendas and Minutes		X
Detailed Site Investigation Plans		X
Project Work Plan		X
Health & Safety Plan		X
Radiation Protection Plan		X
Training Plan		X
Environmental Management & Protection Plan		X
Emergency Plan		X
Security Plan		X
Resurvey Field Work (Property Surveys)		X
Contaminant Delineation		X
Verification of Property to PHAI CC		X
Data Management		X
Compliance and Non Compliance letters		X
Routine Updates to Project Team		X
Remediation Cost Estimates for each Property		X
Final Property Reports		X
Final Summary Report with Lessons Learned		X

INSERT:**Table 3: Summary of Major Tasks/Deliverables and Responsibilities**

	Responsible
Major Tasks/Deliverables	AECL/PWGSC

Solicitation No. - N° de l'invitation

EQ447-130640/A

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

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PWL-2-35057

Buyer ID - Id de l'acheteur

pw1035

CCC No./N° CCC - FMS No/ N° VME

	Contractor	
Scope Approval, Budget and Timeline	X	
Municipal and Regulatory Approvals	X	X
Project Oversight	X	
Technical Scope of Work	X	
Approval of SSSR Consultant's Plans	X	
Project Management	X	
Contract Management and Documentation	X	
SOPs		X
Quality Assurance Plan		X
Communications Plan	X	X
Project Schedule		X
Meeting Agendas and Minutes		X
Detailed Site Investigation Plans		X
Health & Safety Plan		X
Radiation Protection Plan		X
Training Plan		X
Environmental Management & Protection Plan		X
Emergency Plan		X
Security Plan		X
Resurvey Field Work (Property Surveys)		X
Contaminant Delineation		X
Verification of Property to PHAI CC		X
Data Management		X
Compliance and Non Compliance letters		X

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Routine Updates to Project Team		X
Remediation Cost Estimates for each Property		X
Final Property Reports		X
Final Summary Report with Lessons Learned		X

DELETE:

PRICE PROPOSAL FORM in its entirety.

INSERT:

PRICE PROPOSAL FORM

INSTRUCTIONS: Complete this Price Proposal Form and submit in a **separate sealed envelope** with the Name of Proponent, Name of Project, PWGSC Solicitation Number, and the words "PRICE PROPOSAL FORM" typed on the outside of the envelope. Price Proposals are not to include GST/HST.

PROponents SHALL NOT ALTER THIS FORM

Project Title: PORT HOPE SMALL SCALE SITES - RESURVEY OF 450 PROPERTIES

Name of Proponent:

The price proposal will consist of a combined lump sum price and unitary price basis and shall include all costs and expenses required to perform the scope of work as described in the Statement of Work, management and professional services, repair/restoration work and provide the services in compliance with the scope of the work described herein.

The firm price for this work includes overhead and profit, the supply of labour (labour rates to include any anticipated overtime, traveling time and living expenses); supply of material and equipment, management, cost of sub-contractors, chemical analysis, data communication system; monitoring, testing and quality

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control, miscellaneous charges and communication, locating of existing underground utilities, security and fencing, mobilization, etc..

The following will form part of the evaluation process:

(A) GENERAL TASKS – FIXED PRICE BASIS

Work included in the Fixed Price amount represents

- 1) Review of Reference documents and AECL manuals and procedures (listed in Section 11 of the Statement of Work (SOW));
- 2) Preparation of project deliverables and project specific plans as described in Sections 6.10 of the SOW, including Health and Safety Plan, Radiation Protection Plan, Quality Assurance/Quality Control Plan, Communication Plan, Training Plan, Environmental Management and Protection Plan, Emergency Plan, Security Plan, Standard Operating Procedures, Property Resurvey Reports, Project Summary Report and Databases, Compliance and Non-Compliance Letters, Project Status Updates/Minutes of Meetings, Class D Cost Estimates for future remediation, etc.;
- 3) Review of the property summary reports and the preliminary resurvey work plans for the 450 properties prepared by the File Review Consultants, the individual property information questionnaires, completing utility locates, underground services, mobilization/demobilization, revising/finalizing the preliminary resurvey work plans based on property specific information, management activities, obtaining permits, site security and fencing, final site type classifications, returning the property to the original state and all other works specified in the SOW but not captured in the unit price table.

Sub-total for General Tasks- Items (A1 to A3)	(T1)	\$
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(B) RESURVEY FIELD WORK - RADIOLOGICAL AND ENVIRONMENTAL INVESTIGATIONS – UNIT PRICE BASIS

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(Prices are to be based on 450 properties except where indicated below)

1) Complete Phase 1A – Site Screening as per Section 6.6.1.1 of the SOW.

Item	SOW Section	Description	Unit of Measurement	Est. Qty	Price per Unit	Estimated Total Price
1	6.6.1.1.1	Indoor Radon Surveys (Winter Season) for each property	Each	450		\$
2	6.6.1.1.2	Interior and Exterior Gamma Radiation Surveys for each property	Each	450		\$
3	6.6.1.1.3	Object and Surface Contamination Surveys for each property	Each	450		\$
4	6.6.1.1.3	Swipe Sampling	Each	200		\$
	Sub-total					\$

- 2) Phase 1B – Initial Intrusive Subsurface Investigation. Unitary costs for boreholes should also include XRF measurements, Gamma logging of cores and of down holes, all documentation, decontamination of surveying equipment and disposal of borehole cuttings. Also, unitary costs for sample analysis should also include transportation of spent samples from laboratory to the AECL's office in Port Hope.

Item	SOW Section	Description	Unit of Measurement	Est. Qty	Price per Unit	Estimated Total Price
5	6.6.1.2 6.6.1.2.1 6.6.1.2.2	2 meter deep borehole	Each	1,252		\$
5a	6.6.1.2 6.6.1.2.1 6.6.1.2.2	Boreholes extending deeper than 2 m	0.5m	200		\$
6	6.6.1.2	Chemical Analysis of soil samples for the 4 radiological signature parameters.	Each	3,408		\$
Sub-total						\$

- 3) Prepare detailed Work plans and Cost Estimates for Phase 1C- Detailed Contamination Delineation

Item	SOW Section	Description	Unit of Measurement	Est. Qty	Price per Unit	Estimated Total Price
7	6.6.1.3	Prepare Detailed Work plan and Cost Estimate for sites required delineation (C, D and E)	Each	36		\$
						\$

Item	SOW Section	Description	Unit of Measurement	Est. Qty	Price per Unit	Estimated Total Price
7	6.6.1.3	Prepare Detailed Work plan and Cost Estimate for sites required delineation (C, D and E)	Each	36		\$
Sub-total						

4) Phase 2 - Verification Activities

Item	SOW Section	Description	Unit of Measurement	Est. Qty	Price per Unit	Estimated Total Price
8	6.6.2	Verification Activities for each property	Each	414		\$
Sub-total						\$

** While it is recognized that the actual number of properties, boreholes, materials, samples, etc. required cannot be known in advance, a sample size based on reasonable assumptions have been used for purposes of pricing and cost evaluation.*

Sub-total for Resurvey Field Work - Radiological and Environmental Investigations – Items (B1 to B4)	(T2)	\$
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TOTAL BID PRICE FOR THE RESURVEY OF 450 PROPERTIES	(T1+T2)	\$
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END OF PRICE PROPOSAL FORM

Questions and Answers:

1. In response to Section 3.2.5 Historical File Reviews of the Statement of Work document:

Please provide representative examples of preliminary resurvey work plans in order to provide an appreciation of what it would take to create the final resurvey plans.

Answer 1: Document 'Example of Site Resurvey Workplan' is attached.

2. In response to Section 6.2 – Preliminary Site Classification of the Statement of Work document:

"Exterior perimeter survey based on interior radon gas data" – does this refer to soil sampling around the perimeter of the house?

Answer 2: Yes it does.

3. In response to Section 6.2 – Preliminary Site Classification of the Statement of Work document:

What is the applicable PHAI CC for interior radiological surveys?

Answer 3: The applicable PHAI CC for Interior radiological surveys is the background level specified in Section 6.6.1.1.2 of the SOW under the Interior paragraph.

4. In response to Section 6.6.1.1: Phase 1A Site Screening of the Statement of Work document:

Please confirm that Winter 2013 refers to the period Nov/Dec 2012 up to March/April 2013.

Answer 4: Winter 2013 refers to December 21, 2012 to March 20, 2013.

5. In response to Section 6.6.1.1: Phase 1A Site Screening of the Statement of Work document:

Please confirm that duplicate radon gas measurements are not required at each of the two levels.

Answer 5: Radon gas measurements are required on each floor, one measurement per floor.

6. In response to Section 6.6.1.2: Phase 1B – Initial Intrusive Subsurface Investigation (last paragraph) of the Statement of Work document:

Please clarify if duplicate analytical results are required on the same soil sample. It is not clear what is meant by "Analysis must also include one duplicate soil sample for every 10 samples". How do you generate the duplicate sample?

Answer 6: 10% of the soil samples, i.e., one sample for every 10 samples, will be collected, homogenized and split into two, in the field and both will be analyzed at the same lab. In addition, one sample for every 40 samples, will be homogenized and split into two sub-samples, and each sub-sample will be analyzed at different labs.

7. In response to Section 6.6.2 – Phase 2 – Verification Activities of the Statement of Work document:

Please provide draft RVSOP document.

Answer 7: Document will be posted on MERX. It should be noted that this document is in the draft version and will be finalized soon. The requirements indicated in this document may differ from those will be included in the final version. The bidders should consult with the draft version only for the purpose of providing cost. Any deviation from this document with the final version will be subject to a change order.

8. The Security Requirements Checklist (SRCL) indicates YES to the question 6.b) Will the supplier and its employees...require access to restricted access areas.

Are the "restricted access areas" referred to in the SRCL the same as a "sensitive work sites"? If so, does that mean that the Bidder's proposed individuals need to have a valid Reliability Status at the date of bid closing (per Part 6 – Security, Financial, and other Requirements, p. 12 & 13 of the Request for Proposal document)?

Answer 8: "Restricted access areas" and "sensitive work sites" both refer to the residential properties for the purposes of this solicitation. As such, the Bidder needs to have a valid Reliability Status at the date of bid closure. The Bidder's proposed individuals including sub-contractor personnel will need to obtain a valid Reliability Status prior to accessing the "sensitive work sites."

9. In response to the security clearance requirements:

Please advise how long it will take to obtain Reliability Status (for individuals who have previously been security cleared by CSIS for different organizations) after submission of the required forms.

Answer 9: As long as the company has a current and valid security clearance from CSIS it would normally be cleared within 5 business days, except when there are situations out of PWGSC's control.

10. In response to Section 4.2 Project Team Organization of the Statement of Work Document.

What is the specific role of the Program Consultant? Will the contractor report to PWGSC (as per bullet 3 in Section 4.2) or will the contractor report to the program consultant as per Section 5 – Lines of Communication?

Answer 10: The Program Consultant will oversee and coordinate the completion of the resurvey work, will review all work and deliverables and provide advice to PWGSC and

AECL. The Contractor will report to the Program Consultant on all aspects of the work. The Contract will be between the Contractor and PWGSC.

11. In response to Section 3.2.5 Historical File Reviews of the Statement of Work Document.

What are the scheduled dates for completing historical file reviews for the 450 properties identified in this project?

Answer 11: By award date of the survey contract, the historical file reviews for the 450 properties identified in this project will be completed.

12. ***Can PWGSC advise how the requirements in Part 6 apply to subcontractors working under a prime contractor for this project, if the prime contractor has an organization security clearance in place?***

Answer 12: Subcontractors must be registered with CISD as a separate entity in order to ensure that they are bound to the crown in ensuring that their own employees will adhere to the security provisions of the contract and that their staff will be processed to obtain Reliability Status

More specifically, do subcontractors require organization security clearance?

Yes

If so, is this required at the time of bid closing or at some later date?

It is required at a later date.

Do all subcontractors require an organizational security clearance or is this evaluated on a case by case basis?

No, sub-contractors require security clearance only if they have to access the residential properties

For instance, would a laboratory subcontractor require security clearance?

No

What is the process for obtaining security clearances for subcontractors, both at the organizational level and the individual level?

Please Contact John Von Zuben, Chief of Security at PWGSC, 4900 Yonge St. 10th floor, 416-512-5968.

13. ***Can PWGSC advise on the process and requirements for obtaining written permission for subcontracts? Please refer to Part 7, Section 3.1. Can you please confirm if we only need a clearance only for the Subcontractor at the organizational level (i.e. organizational security clearance)? Would the Subcontractor need to clear their individual personnel as well?***

Answer 13: Yes, if their staff will be on-site in residential areas. Contact John Von Zuben for more information.

The project requires Reliability status clearance for Canadians?

Yes

For U.S. Subcontractor personnel would this be Confidential Level 1?

Yes, on-site. Refer to Contracting for information on United States Subcontracting, Special clause, and get direction from CISD.

If a subcontractor does not have a designated security clearance in place at this time, if PWGSC prepared to act as a sponsor for this process? If so, please advise on the requirements for this process.

See Part 7, Sec. 3.1

- 14. Will the successful proponent be prohibited or restricted from also bidding on future phases of work related to remediation of the small scale sites or large scale sites being completed as part of the Port Hope Area Initiative***

Answer 14: No.

- 15. Has the Program Consultant contract been awarded and if so, to which firm?***

Answer 15: Yes. This information will be given to the successful bidder.

- 16. The cost basis for SOW 6.6.1.2 is a minimum of 2 meters in depth. Can PWGSC/ AECL advise on the maximum depth limit?***

Answer 16: Initially, base your submission on 2 metre depth. The maximum depth cannot be identified at this time.

Also, can PWGSC/AECL advise what the basis of payment is for boreholes extending to greater than 2 meters in depth?

Provide a unitary price for each additional 0.5 metre. Refer to Revised Basis of Payment Table that is attached.

- 17. We understand that the cost to develop the work plans for detailed contaminant delineation is to be included in the fixed price. Can PWGSC/AECL advise on the intended basis of payment for implementation of these work plans as the scope of work varies from that for the Phase 1B fixed unit prices?***

Answer 17: The basis of payment for implementing the detailed delineation workplans will be a combined price – unitary prices where applicable, such as boreholes, analytical costs, etc. and lump sum for other related tasks and will be submitted for PWGSC approval and acceptance to undertake the additional works if required.

- 18. For SOW 6.6.1.1.2 Interior Survey, if further assessment is warranted due to conditions which are above background (4 to 7 uR/hour), can PWGSC/AECL advise regarding the basis of payment for this expanded scope of work?***

Answer 18: If further assessment is warranted for interior surveys, a work plan will be submitted and will be based on a combined price – unitary prices where applicable and lump sum for other related tasks and will be submitted for PWGSC approval and acceptance to undertake the additional works if required.

19. For SOW 6.6.1.2, it may not be feasible for drilling equipment capable of obtaining the specified sample size to a minimum of 2 meters to access all sampling locations. Is PWGSC/AECL prepared to consider alternative drilling and sampling techniques? If so, how is this to be incorporated into the basis of payment?

Answer 19: If and when major issues are encountered in the field, a decision will be made on a case by case basis.

20. Has PWGSC/AECL adopted any specific GIS or data management software or standards that have been adopted for this contract beyond those identified in SOW 6.9?

Answer 20: No other software or technology is needed for this part of the project,

21. For SOW 6.6.1.1.2, the basis of payment is for the completion of a property survey. Has PWGSC/AECL established a property area to be used as the cost basis for the interior and exterior areas to be surveyed as part of this unit cost?

Answer 21: Yes. Of the 450 properties, 10 are greater than 5000 m2 and the average parcel size for these 10 is 18,675 m2. Of the remaining 440 sites, the average parcel size is 947 m2, and for all 450, the average interior building size is 267 m2.

22. For SOW 6.6.2 Phase 2-Verification Activities, is it PWGSC/AECL's intent that contractors base their unit costs on the draft version? If so, how will any changes arising the final version be addressed should they impact the unit cost?

Answer 22: Please refer to the attached document (beginning '6.4.3 Sub-step 10a.C). Should there be any changes in the final version; prices will be negotiated through the Contemplated Change Notice process.

23. SOW 6.10 Deliverables – Does AECL have any prescribed wording or content for the compliance letter (6.10.12) or is this to be developed by the contractor? The SOW requires the compliance letters to be signed by a Qualified Person under Ontario Regulation 153/04. However, the SOW does not require the Re-Survey to be conducted in accordance with other provisions in O.Reg. 153/04. Can PWGSC/AECL advise regarding the expectations of the Qualified Person in the context of the Re-Survey?

Answer 23: The wording of the Compliance Letter is to be developed by the Contractor in consultation with the Program Consultant and PWGSC/AECL. The survey work will not be conducted in accordance with the other provisions of O.Reg.153/04 as amended from time to time. The QP authoring the Compliance Letter must be recognized by the Province of Ontario and hold QP ESA designation.

24. SOW Table 3 – There appears to be a formatting problem in this table that makes the responsibilities for various project components unclear. Can PWGSC/AECL clarify this?

Answer 24: The first column of Table 3 refers to the responsibilities of AECL/PWGSC and the second column refers to the Contractor's responsibility.

25. Temporary facilities – Is PWGSC/AECL able to furnish property or facilities for use by the contractor in establishing a project office? If so, can PWGSC/AECL describe the specifics of any government provided property or facilities?

Answer 25: AECL does not have any properties that they can provide to the contractor. There are however many locations in Port Hope that could be rented by the contractor for a project office.

26. Reference documents – Are the reference documents referred to in SOW Section 8 available for review during the proposal preparation period?

Answer 26: Yes, except for the Small Scale Sites Resurvey and Remediation Trials Cost Assessment Summary Report. The documents will be posted as an attachment on MERX.

27. SOW Section 6.13 indicates a schedule of 9 months to complete this project. The closing date is currently September 25th, 2012. Can PWGSC/AECL provide an anticipated date for award of contract to facilitate work planning and scheduling?

Answer 27: Anticipated date for contract award is two weeks after bid closing.

28. SOW Section 6.13 Schedule – the timelines for start of field work is one week following submission of the project plans. This does not appear to account for the 10 day review period for PWGSC and AECL indicated in Section 6.12 or any allowances to revise the plans to incorporate review comments. Can PWGSC/AECL advise if work plans are to be finalized prior to commencing field work?

Answer 28: A revised Schedule has been issued by Canada. Please see above.

29. SOW Section 6.13 Schedule – The schedule requirements indicate that the field work is to be completed 12 weeks after the start of field work. As portions of the field work will be completed under winter conditions, can this completion period be adjusted to accommodate site conditions? Are there any specific completion dates that must be achieved for this work such as government fiscal year end or otherwise?

Answer 29: A revised Schedule has been issued by Canada. Please see above.

30. Has PWGSC/AECL secured site access agreements to document agreement for the contractor's personnel to access each of the properties to be surveyed? If so, can PWGSC/AECL share any terms of these agreements that relate to the contractors work? For instance, work hours or work days? Also, are there any periods when site work is prohibited?

Answer 30: Site work would be prohibited on Sundays. From the PHAI perspective, for work where noise will be generated, such as drilling operations, the field work itself should not start before 8:00 a.m. and should stop by 7:00 p.m. For work where there will be no noise generated, such as interior and exterior gamma surveys, work could start at 7:00 a.m. and should stop by 9:00 p.m. The property owner however has ultimate control over

these hours and may specify shorter working hours depending on their own personal schedule.

- 31. SOW Section 6.4 requires finalized resurvey work plans to be submitted following completion of Phase 1A – Site Screening. Can PWGSC/AECL clarify if the finalized resurvey work plans are to follow the same review cycle indicated in Section 6.12 as this will add a minimum of 10 to 15 days to the field work duration? Also, some aspects of Phase 1A require off-site laboratory analysis which will increase the duration of this activity. Has this been included in the estimated duration for the resurvey work? Can PWGSC/AECL advise if all components of the Phase 1A Site Screening are to be incorporated into the finalized resurvey work plans? If not, which items are to be excluded**

Answer 31: A revised Schedule will be issued by Canada. Note that only Winter Radon results will be excluded from being incorporated into the finalized work plans from the components of the Phase 1A Site Screening.

- 32. Section 6.13 Schedule – If there is a requirements to complete Phase 1C Detailed Contaminant Delineation in accordance with 6.6.1.3 work plans, are their provisions to extend the project schedule to incorporate these scope additions?**

Answer 32: A revised Schedule has been issued by Canada. Please see above.

- 33. SOW 6.3 - Preliminary Resurvey Work Plans – Would it be possible to obtain a copy of a typical work plan to assist in planning and scheduling of the Final Resurvey Work Plans**

Answer 33: Please refer to Answer 1 above.

- 34. RFP Part 6 – Security Requirements – Can PWGSC/AECL define what aspects of the project are considered to be “classified or protected information, assets or sensitive work site(s)” where project team members will require security clearances at the Reliability Status level?**

Answer 34: Please refer to Answer 8 above.

- 35. Units used in the Statement of Work are microR/h. (microRoentgen per hour). The use of microRoentgen is not consistent with the federal government adoption of SI units for which most criteria are established (for example, all comparable regulatory limits published by the CNSC use microSieverts). Please confirm whether instrumentation and calculations can utilize microSieverts but the conversion to microRoentgen can be made where necessary in documentation.**

Answer 35: No, work is to be conducted in microR/h to be consistent with current and previous work completed by the LLRWMO.

- 36. SOW Section 6.6.1.1.2 states “If readings above background (background is typically between 4 and 7uR/h) are found in any room, further assessment is to be carried out to identify reasons for the elevated gamma radiation....” Please clarify the procedure to be followed when common items that contain naturally occurring radioactive material are**

detected (e.g. some ceramic tiles, some types of glassware, kitty litter, some types of concrete, etc.).

Answer 36: The consultant shall note on the drawing and in the report that the above background readings are related to Naturally Occurring Radioactive Materials (NORMs) and specify what the specific objects or items are.

37. SOW Section 6.6.1.1.2 states that the instruments to be used must be GPS-linked data loggers similar to the instruments listed in Appendix D. However, the instruments listed in Appendix D (e.g. Ludlum Models 3, 19 and 44-9) are not data loggers and are not GPS linked. Please clarify.

Answer 37: The SOW states that the instruments to be used must give similar readings as the equipment listed in Appendix D (i.e. if the equipment being used by AECL measures an object at 15 microR/h, the device being used by the consultant should also measure the object at 15 microR/h).

38. It is not certain that GPS signals will be available inside residences. Please clarify the requirements for the use of GPS during interior surveys.

Answer 38: For interior surveys, the consultant is required to create/provide scaled and dimensioned floor plans for each floor of the building and to mark the location of readings taken on each floor.

39. Please clarify the requirement for interior surveys that states "Drawings are to be to scale and show appropriate room divisions". What level of detail and accuracy is necessary for these drawings?

Answer 39: The drawings should have an accuracy of +/- 30 cm and should show the location of all readings taken. Notes should be included where appropriate to indicate objects with naturally occurring radioactive materials above background, objects suspected of containing historic LLRW, location of radon measuring devices etc. The drawing is essentially a floor plan showing each floor of the building with room divisions. The drawing should be dimensioned and to scale.

In section 6.6.1.2 Phase 1B Initial Intrusive Investigation of Annex A Statement of Work for the Re-survey of the Small Scale Sites it states:

"Sample analysis for the four signature parameters must be completed by a laboratory accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) and must have the capability of carrying out specialized radioactivity testing. Analysis must be completed by ICP metal scan for the metals and by gamma spectroscopy for the radiological components. A sample labelling protocol will be provided to the Contractor."

40. Laboratory accreditation requirements:

In Canada there are two accrediting bodies: CALA and SCC (Standards Council of Canada), which are both recognized by the International Laboratory Accrediting Council (ILAC) and adhere to, and follow procedures as outlined in ISO/IEC 17025. As such, would SCC accreditation be accepted in addition to CALA for this solicitation? Attached is a joint letter from CALA and SCC.

Answer 40: Yes.

41. Analytical Methodology for Metals

There are multiple analytical techniques that are considered equivalent for the analysis of the target metals in soil, such as ICP/MS. Please confirm if alternate accredited methods are accepted.

Answer 41: ICP/MS is the method to be used. This is consistent with previous testing completed by AECL as well as with the method that the regulatory agency used in developing the standards that we have adopted.

42. I have reviewed the documentation provided and, in the strongest possible way, I must object to the schedule as provided in Appendix A that reads in part:

Kick off meeting: 1 week after award of contract

Submission of all plans included in Section 6.10 (items 1 to10): 3 weeks after award of contract

Start of field work: 3 weeks after kick off meeting

Completion of resurvey work: 12 weeks after start of field work

This schedule is inconsistent with other project documentation, does not appear to have been developed using standard project management techniques and represents a significant risk to this project.

Specifically, please note:

1. Section 6.10.2 identifies that the "RP Manual containing procedural documents to be submitted to the PHAI MO RP Program Administrator for review and acceptance at least three (3) weeks before the start of radiological field activities". The schedule above has field work starting three weeks after the kick-off meeting. This results in an impossible schedule.

2. Section 6.10.2. also states "The RP Training Program and RP staff qualifications shall be submitted to PWGSC and the AECL RP Program Administrator for acceptance in consultation with the AECL RP Program Authority, at least three (3) weeks before the start of radiation work." Again, this is impossible in view of the above schedule.

3. I have been providing contract services in radiation safety and radiation protection for about 20 years. Never have I seen the requirement for ten deliverables three weeks after contract award. This is insufficient time to prepare, review and deliver these important documents.

4. There is essentially no time gap between the submission of the documents and the start of field work. This allows no time for AECL / PWGSC / LLRWMO to review and approve these documents, as required by the statement of work.

5. The schedule for the field work does not allow sufficient time to mobilize staff to the site, provide the necessary training, equipment and uniforms and perform the survey work. This schedule does not seem to consider the approaching winter, obtaining access to private property, etc.

6. The schedule as presented appears to be arbitrary. There is no evidence that any project management methodology was utilized in the development of this schedule. As such, it is not based on realistic estimates of the time necessary for all activities to be completed, to the standard necessary, for successful completion of this project.

7. I have been peripherally involved with AECL and the LLRWMO for approximately 15 years. In that time, it is my experience that 4 - 8 weeks are necessary for the review of documents and either approval or provision of comments. It is not clear that anything has changed that would indicate a faster turnaround of documents is possible.

8. Attempts to meet the schedule as provided will result in rushed work that may not fully meet the needs of the customer. Planning to mobilize and deploy the necessary resources to meet this schedule represents significant and unnecessary risks to the success of this project.

I strongly urge that the schedule as provided be re-visited and a revised schedule be provided that is based on actual and realistic estimates of time required for various activities and utilize recognized project management methodologies for schedule development. This schedule must also be consistent with the requirements of the Statement of Work.

Answer 42: A revised Schedule has been issued by Canada. Please see above.

43. It has come to our attention that in section 6.6.1.2 Phase 1B Initial Intrusive Investigation of Annex A Statement of Work for the Re-survey of the Small Scale Sites it states:

“Sample analysis for the four signature parameters must be completed by a laboratory accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) and must have the capability of carrying out specialized radioactivity testing. Analysis must be completed by ICP metal scan for the metals and by gamma spectroscopy for the radiological components. A sample labeling protocol will be provided to the Contractor.”

I would like to draw your attention to the fact that there are two equivalent Canadian-based accrediting bodies. The Standards Council of Canada (SCC) and The Canadian Association for Laboratory Accreditation Inc. (CALA).

In an effort to inform the proper authorities of this fact, CALA and the SCC have developed a joint public notice on this subject and I have attached a copy of this notice for your information and appropriate action. By referencing only a single accrediting body, we believe that the referenced Solicitation is unnecessarily limiting and inconsistent.

A more inclusive wording for Section 6.6.1.2 with respect to the CALA-only reference would be as follows:

“Sample analysis for the four signature parameters must be completed by **an accrediting body that is signatory to the ILAC MRA, using the internationally recognized criteria and procedures outlined in ISO/IEC 17025: (General requirements for Competence of Calibration and Testing Laboratories)** and must have the capability of carrying out specialized radioactivity testing.....”

Answer 43: See change above.

44. RFP Part 1 General Information – Section 2. Consent to a Criminal Record Verification – Can PWGSC confirm that only the consent form is required to be submitted with the Proposal?

Answer 44: Yes the consent form is required to be submitted with the Proposal

45. **Proprietary** - RFP Part 1 General Information – Section 2. Consent to a Criminal Record Verification - As an international company, our Board of Directors is comprised partially of non-Canadians. Can PWGSC confirm why consent to a criminal records check is required particularly as none of the Board of Directors members would likely have any participation in rendering the services. If this is still a requirement, can this requirement be confined to Board of Directors members who reside in Canada? Additionally, as senior members of our company , these individuals have extensive responsibilities and travel schedules and it may be problematic to obtain consents (even if restricted to Canada) given the due date of September 25th

Answer 45: Foreign-based suppliers will be verified against relevant acts and convictions just like Canadian-based suppliers. A foreign firm with either a non-Canadian director or a Canadian director convicted of one of the specified Canadian offences would not be eligible to bid.

For a Canadian-based supplier, the list of directors must be complete and include non-Canadian directors, if any. When required, they will also need to provide completed consent forms. Under the current process we are not looking at convictions in other countries.

46. RFP Section 6.4- There is a 10% holdback on payment which is not customary for professional service type contracts. Can PWGSC confirm the holdback requirements? If so, are there any provisions for partial release of holdbacks as each phase or activity is completed?

Answer 46: Yes, we can confirm there is a holdback requirement. Please refer to section 6.4 in the RFP

47. Further to our request of one week ago, we must emphasize the need to receive the requested reports in a timely manner. We believe that in order to meet the requirements of a fair procurement, all potential bidders must have a copy of these reports. We also believe that one or more competitors bidding on this procurement already have these documents, since they were the authors of the requested reports. We want to be sure you understand we need sufficient time to thoroughly review the documents, and only after completing our review, can we begin to write our proposal. If the documents cannot be provided in a timely manner, then we will need to respectfully request an extension in the deadline, commensurate with the delay in receiving the reports. If the decision is to not provide us with a copy of the reports, we feel that we are so significantly disadvantaged, that regrettably, we cannot provide a competitive bid.

Answer 47: Please see question 26

48. In response to Section 6.6.1.2 Phase 1B – Initial Intrusive Subsurface Investigation of the Statement of Work document:

“Sample analysis for the four signature parameters must be completed by a laboratory accredited by the Canadian Association for Laboratory Accreditation Inc. and must have the capability of carrying out specialized radioactivity testing.”

There are other laboratory accreditation bodies such as Standards Council of Canada (SCC). As an example, per Ontario Regulation 153/04, the laboratory analyses can be completed by CALA, SCC or an equivalent accreditation body (as noted below). To be consistent with the laboratory capabilities and accreditations in the province of Ontario, we suggest that the AECL specify that the sample analysis must be conducted by a laboratory that is recognized by an accreditation body particularly for the four specific signature parameters.

From the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act, Laboratory Services Branch, Ministry of the Environment, March 9, 2004, amended as of July 1, 2011.

“Samples must be submitted to a laboratory that is accredited by an internationally recognized accreditation body [e.g., Standards Council of Canada (SCC), or Canadian Association for Laboratory Accreditation (CALA)] in accordance with the International Standard ISO/IEC17025:2005 – General Requirements for the Competence of Testing and Calibration Laboratories. Accreditation ensures that laboratories maintain a comprehensive documented

quality system consistent with good analytical practice. Accreditation establishes a consistent basis for acceptable quality among analytical laboratories and ensures they adopt a satisfactory quality system to carry out sample analysis.”

Answer 48: Please see question 43

49. In response to Section 6.6.1.1.1 Indoor Radon Surveys (Winter Radon only) of the statement of work document:

The RFP does not specify how long the detectors are required to stay inside the buildings before they are retrieved?

Answer 49: 30 days

How long should we assume it takes for RSSI to provide the measurement results once the radon measurement devices have been sent to them?

2-3 weeks for analysis once detectors have been received.

Do measurements at each location have to be done in duplicate?

Radon measurements are required on each floor, one measurement per floor.

50. In response to Annex B Basis of Payment of the RFP document:

What was the basis for estimating 1,252 as the number of boreholes and 36 sites for delineation? What is the actual expected range of values?

Answer 50: The number 1252 is based on our best estimate based on the number of approximate sites of various classifications, namely A, B, C, D and E.

The number 36 is based on our best estimate as to the number of properties which may require full delineation.

51. In response to Annex E – Evaluation Criteria of the RFP document:

Please provide us with the evaluation criteria and/or a set date when it would be provided, so we can prepare our proposals in a compliant manner as per the RFP Section I: Technical Bid.

Answer 51: See previous Solicitation Amendment.

52. In response to Section 8.0 Reference Documents of the Statement of Work document

Please provide the references documents listed in section 8.0 of the Scope of Work document.

Please also provide the Occupational Health and Safety Plan (OHSP) (Document # 4500-510400-PLA-001)

Answer 52: Please see question 26

53. In response to Part 5, section 1.0 Code of Conduct Certifications of the RFP Document

Please advise if this applies to the bidder and its subcontractors or just the bidder.

Answer 53: This applies to the bidder.

54. SOW Section 6.10 indicates a requirement to use Primavera for scheduling. Is PWGSC/AECL open to the use of other scheduling software or is the use of Primavera mandatory?

Answer 54: Primavera is highly preferred. Microsoft Project would be the second choice in project software.

55. SOW Annex E, Evaluation Criteria, has not been issued to date. As this is a critical element to the proposal, we would like to request that the submission deadline be amended to allow a three week period following issuance of Annex E.

Answer 55: This request is under consideration.

56. SOW Table 3 makes reference to a Project Work Plan as a Major Task/Deliverables however this document is not identified in the list of deliverables in Section 6.10. Can PWGSC/AECL confirm that this is a deliverable under this contract?

Answer 56: The Project Work Plan is not a deliverable and must be submitted as part of the proposal submission. See change above.

57. SOW Section 6.12 provides the timelines for review of "formal deliverable submissions" under the PWGSC Responsibilities. Can PWGSC confirm if Section 6.10 is considered to represent the list of "formal deliverable submissions"?

Answer 57: Yes, Section 6.10 provides the list of formal deliverable submissions as part of the project execution.

58. SOW Section 6.10, part 17 requires a "A Class D cost estimate, level of effort and estimated time required to complete the remediation work for each property". Can PWGSC/AECL advise on the number of sites that are expected to require remediation work as the basis for developing a price for this component of the project?

Answer 58: Assume 36 sites, as per page 22 of the RFP

59. SOW 6.3 Preliminary Resurvey Work Plan – Will the Preliminary Resurvey Work Plan (or other information furnished by PWGSC) include a base map than can be used as the basis for documenting the survey findings? If so, what format will this be available in?

Answer 59: A file or up to six files can be provided in AutoCad version 11 format. Other formats are possible and this can be discussed after award of the contract.

60. SOW Schedule (page 43 of pdf) – Is it PWGSC's intent to accommodate Phase 1C Detailed Contaminant Delineation into the timelines as stated?

Answer 60: Yes, a revised Schedule has been issued by Canada. Please see above.

61. SOW 6.10.10 Property Resurvey Report – Is it PWGSC's intent that the issuance of this report will follow detailed contaminant delineation? If so, is there a deliverable required at the completion of Phase 1B?

Answer 61: Only one report per property will be required, however, if after initial testing it is determined that further delineation is required, a work plan including a summary of the data collected, analysis of the results, proposed delineation work including the rationale, costing and schedule will be required. A report will be prepared at the end of the delineation work.

62. SOW 6.6.1.2 - How long do we need to store the soil samples?

Answer 62: Until the end of the project and then they have to be returned to AECL office in Port Hope.

63. RFP page 22 – Item 6.6.1.2 - Does the unit cost of laboratory analysis include all the QA/QC samples?

Answer 63: The QA/QC samples are included in the Estimated Quantity in page 22 of the RFP.