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Bid Receiving Public Works and Government  
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Pacific Region  
401 - 1230 Government Street  
Victoria, B.C.  
V8W 3X4  
Bid Fax: (250) 363-3344

**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  
401 - 1230 Government Street  
Victoria, B. C.  
V8W 3X4

<b>Title - Sujet</b> RISO LABORATORY ANALYTICAL SERVICES	
<b>Solicitation No. - N° de l'invitation</b> W0103-115061/A	<b>Amendment No. - N° modif.</b> 002
<b>Client Reference No. - N° de référence du client</b> W0103-115061	<b>Date</b> 2012-08-01
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$VIC-249-5973	
<b>File No. - N° de dossier</b> VIC-1-34021 (249)	<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 2012-08-21</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> Cress, Christine	<b>Buyer Id - Id de l'acheteur</b> vic249
<b>Telephone No. - N° de téléphone</b> (250) 363-8442 ( )	<b>FAX No. - N° de FAX</b> (250) 363-0395
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> as per individual call-up against the Standing Offer	

**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>

**AMENDMENT 002 TO THE SOLICITATION IS ISSUED TO ADDRESS THE FOLLOWING QUESTIONS RECEIVED FROM PROSPECTIVE BIDDERS.**

**THE BASIS OF PAYMENT IN ANNEX "B" IS TO BE REVISED AT A LATER DATE TO MAKE IT MORE CLEAR AND CONCISE TO BIDDERS AND WILL BE PUBLISHED IN A SUBSEQUENT AMENDMENT.**

**Q1:**

For the soil and sediment section (Annex B); you have the BC Hazardous Waste TCLP Test (include all 92....."). Can we get clarification on the parameters of interest? What are the 92 mentioned in here?

**A1:** The following change is made to the solicitation:

**DELETE** the following:

A common suite of analyses for soil/sediment samples is:

BC Hazardous Waste "TCPL" Test (include all 92  
Extractable Petroleum Hydrocarbons (EPH)  
Polynuclear Aromatic Hydrocarbons (PAH)  
Trace Metals in Soils Analysis including Mercury  
B TEX  
VOC

**INSERT** the following table:

A common suite of analyses for soil/sediment samples is:

TCLP Metals
CSR Metals
PAH
EPH (L and H)
VOC
BTEX

**Q2:**

Right after the guidelines (listed in under the table for Drinking Water Annual), you start mentioning **Hazardous Waste Regulations**, we are not sure where that falls in regards to the section it is in?

**A2:** The following paragraph belongs under the heading "Hazardous Materials" in Annex B:

**QUOTE**

The Hazardous Waste regulation defines leachable toxic waste as waste when subject to the extraction procedure produces a contaminant concentration greater than those prescribed in Table 1 of Schedule 4. Method 1311 is called TCLP. Note: The Modified Leachate Extraction Procedure (MELP) cannot be used to see if a waste is leachable toxic waste. The MELP is only used to see if wastes may be safely disposed in a secure landfill.

[http://www.env.gov.bc.ca/epd/hazwaste/regs/pdf/haz\\_waste\\_leg\\_guide.pdf](http://www.env.gov.bc.ca/epd/hazwaste/regs/pdf/haz_waste_leg_guide.pdf)

**UNQUOTE**

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Please see Q&A # 19 for more information.

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**Q3:**

The Community/Recreational Water - Marine. Fresh and Drinking section is confusing. In the title you state "(include all tests listed under CCME guidelines)", yet in the sections below you suggest example parameter, and then mention analytes for pool water and suggest an analytical test group. If you follow the link for the CCME guidelines, it takes you to the Canadian Drinking Water Guidelines. Are you looking for a full scale test for parameters noted in the Canadian drinking water guidelines? Only parameters with limits? Or all parameters noted? You also mention a list of parameters and end the parameters with etc. Are we able to obtain a better itemized list for the analytical test groups, Community/Recreational Water (Marine), Community/Recreational Water (Fresh), Drinking Water Weekly?

**A3:**

See attached list entitled: "Sampling Sheet - March 2012".

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**Q4:**

For the DL section for the nutrients and micro section, we assume we only need DL's for water matrix? Please confirm.

**A4:**

Detection limits are required for all analytics as outlined in 40 CFR Part 136 Laboratory Detection Limits...

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**Q5:**

On Page 8 under Part 4, 1.2 "Financial Evaluation", where it states: Bidders should support their quoted prices by supplying a copy of their current, complete Analysis Price Catalogue highlighting the tests identified in Annex "B".

Please explain if you are requiring our complete list of services/catalogue with list price and or discounted prices, or not.

**A5:**

The following change is made to the solicitation as a result of this question:

**DELETE:**        1.2   Financial Evaluation        IN ITS ENTIRETY.

**INSERT:****1.2 Financial Evaluation:**

The price of the offer will be evaluated in Canadian dollars, the Goods and Services Tax or the Harmonized Sales Tax excluded, FOB destination, Canadian customs duties and excise taxes included. An evaluation total will be established by multiplying your quoted prices by the estimated usages specified in Annex "B" to establish an aggregate total. These estimates are provided for the purpose of establishing an evaluation total only, and are not to be construed as an offer or a commitment on the part of Canada.

Following issuance of a Standing Offer, it is the Offeror's responsibility to supply and update price lists and/or catalogues as Canada may require. The Offeror must provide one (1) copy of its catalogue and

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price list and updates, highlighting the tests identified in Annex "B", to each Identified User requesting a copy.

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**Q6:**

For chlorine analysis are you looking for Total Residual, Free Residual or Combined Residual?

**A6:**

Total Residual Chlorine (although according to CCME they are all synonyms for the same thing).

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**Q7:**

Organic Halogens in waste oil/fuel:

Are you looking at just organics but the extractable halides (not total) EOX, or TX , or are you looking at total halides (organic and inorganic)?

For the Organic halogen water matrix – are you looking for absorbable organic halides?

For the Organic halogen soil matrix – are you looking for extractable organic halides?

**A7:**

The analyte required for analysis of waste oil/fuel (as per Section 41 of the BC HazWaste Reg and the only reference specifically associated with waste fuel/oil specifications) is Total Organic Halogens (TOX) as Chloride.

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**Q8:**

Can you confirm the following DL's please?

- (a) PCB for both soil (0.02mg/Kg) and water matrix (0.0000001mg/L)
- (b) Xylene (m,p,o) for the water matrix 0.0005mg/L.

**A8(a):**

PCB:

Soil: 1.3 mg/kg is the most stringent standard that would need to be screened for (CCME CEQG SQG residential/parkland which would apply for any PMQ areas), so the DL would need to accommodate this requirement.

**A8(b):**

Water: 0.000001 mg/L is the most stringent standard that would need to be screened for (CCME CEQG AWG fw - even though the substance now meets the criteria for track 1 substances under CCME PMTS and should be subject to virtual elimination strategies, the GL still serves as a screening level for management objectives) so the DL must be able to accommodate this requirement.

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**Q9:**

In the Soil/Sediment Package, there is a reference to "TCPL" Test. Does this refer to the analysis requirements for all 92 compounds listed in the Hazardous Waste Regulation, Schedule 4, Table 1 – Leachate Quality Standards?

**A9:**

No. Just TCLP Metals.

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**Q10:**

Does the "SAN1" Package include only the parameters listed in the first table (i.e. Metals, Organics, Nutrients and Others)? If not, what specifically does it include because there are 3 tables with duplicate parameters and different details listed.

**A10:**

San 1 Package is the following table:

TSS  
BOD  
COD  
Phenols  
Sulphide  
Cyanide (total)  
T. Metals & T. Mercury  
BTEX  
PAH  
TOG & MOG  
Ph, Chlorides, Sulphates

**Q11:**

Does the "SAN1" Package include the parameters listed in the "Matsqui Effluent" table?

**A11:**

Matsqui Effluent Package includes the following:

NH<sub>4</sub>, TKN (NO<sub>2</sub>+NO<sub>3</sub>)  
COD, Total Nitrogen, Total Phosphorus  
CBOD, BOD, TSS  
pH  
E. Coli, Fecal Coliformes, Enterococcus  
TOG  
Total Phenols

**Q12:**

In the Weekly Drinking Water Test Samples, what is defined as "with background" for the Coliform Bacteria – Total (MPN/100mL)?

**A12:**

If there is a background count, then we need to know about it so we can take corrective action. It would be the growth in the plate that is not Coliform.

**Q13:**

In the Weekly Drinking Water Test Samples, please note that HPC includes all bacteria including those of the background. How does that differ from just routine HPC?

**A13:**

All that we require is routine HPC.

**Q14:**

In Annex B-Soil/Sediment Samples

The document states " A common suite of analyses for soil/sediment samples is: BC Hazardous Waste TCPL Test (include all 92....)". Is the requirement to be accredited for all 92 parameters under the BC Hazardous Waste Regulation?

**A14:**

See answers to Q1 and Q20 for more information..

And yes, it is imperative that the lab is accredited and the TCLP requirement is for TCLP Metals not all 92 parameters as discussed under the BC Hazardous Waste Regulation.

**Q15:**

It then states EPH, PAH, BTEX and VOC-Are these part of the TCPL procedure or are these required as totals using the BC Laboratory Manual Methods?

**A15:**

Totals not TCPL.

**Q16:**

Analytical Test Group, Sanitary Discharge (San 1): Is the Matsqui effluent included in the San 1 package or should these be quoted separately?

**A16:**

Quoted separately, as there are different analysis required for San 1 and Matsqui Effluent. Please reference previous questions above identifying which analyses are required.

**Q17:**

Can you please clarify the parameters needed for the Analytical Test Group, Community/Recreational Water (Marine)

**A17:**

T. Coliforms  
HPC, E.Coli  
Pseudomonas aeruginosa

**Q18:**

Confirmation of DLs for the following parameters are all 0.1µg/L?

Carbon Tetrachloride  
Chloroform  
1,2-Dichloroethane  
1,1-Dichloroethene  
Tetrachloroethene

**A18:** If that is what is identified in 40 CFR part 136 and CCME.

**Q19:** Are we able to obtain further information in regards to the sections of the TDG guidelines, potential matrix's, potential contaminants?

**A19:**

The following change is made to the solicitation document under "Hazardous Materials" in Annex "B" Basis of Payment:

**DELETE:** "Hazardous Materials" **IN ITS ENTIRETY.**

**INSERT THE FOLLOWING SECTION:**

**Hazardous Materials :**

Occasionally samples of unknown composition that are thought to contain hazardous materials as identified in the Transportation of Dangerous Goods Act will require characterization. These samples may be compared against any of the afore mentioned standards, but will be labelled as potentially hazardous materials. All samples to be processed and shipped in accordance with the Transportation of Dangerous Goods Act 1.19.

For the above test group, prices as listed in our current Analysis Price Catalogue/published price lists, less a discount of \_\_\_\_\_ percent.

THE ANNUAL ESTIMATED USAGE THAT WILL BE USED FOR EVALUATION PURPOSES FOR THE ABOVE ANALYTICAL TEST GROUP (HAZMAT) IS \$5,000.00. AN EVALUATION TOTAL WILL BE ESTABLISHED BY MULTIPLYING THIS DOLLAR USAGE BY YOUR QUOTED DISCOUNT TO ESTABLISH AN EVALUATION TOTAL PER YEAR. THE RESULTING AMOUNT WILL BE MULTIPLIED BY 3 YEARS TO ESTABLISH AN AGGREGATE TOTAL OVER 3 YEARS.

**Q20:**

Under Section " Soil/Sediment Suite" in Annex B:

For this suite, it is mentioned "BC Hazardous Waste "TCPL" Test (include all 92 « « I believe there should be something after this but it is missing, I am assuming by TCPL TCLP is actually meant, please correct me if this is wrong.

**A20:**

A common suite of analyses for soil/sediment samples is:

TCPL Metals
CSR Metals
PAH
EPH (L and H)
VOC
BTEX

We do not require this as a "package" as we do not necessarily run soil tests for all the analytics mentioned above. There may be times when we just request CSR Metal and TCPL Metal analyses.



**Q21:**

Under Section "Soil/Sediment Suite" in Annex B:

For the soil/sediment suite regarding the BTEX and VOC analysis, would you like this performed on the leachate itself or on the soil sample separate from the leachate process?

**A21:** Separate from the leachate; just the soil sample.

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**Q22:**

Under Section "Sanitary Discharge" in Annex B:

In the package description for Sanitary discharge there is a list of parameters with standard values as well as a secondary list for the Matsqui effluent package. Would you like a package price for the sanitary discharge package with detection limits below the standard values? Or is the request for a package price for the parameters listed for the Matsqui effluent analysis package list? Or would you like a package for the full list and then also one for the Matsqui effluent list?

**A22:**

We require a package for the full list and also one for the Matsqui effluent list as they require different analyses.

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**Q23(a):**

Under Section "Analytical Test Group, Community/Recreational Water (Marine)" in Annex B:

Is this package pertaining to Total, E.coli, HPC, Pseudomonas aeruginosa? Lower on the page it states "the following lists what tests may be required for the above types of samples: total, fecal coliform and heterotrophic plate count." Which would lead me to believe the package should only contain those parameters.

**A23(a):**

Marine Recreational water requires Total coliforms, HPC, Ecoli and Pseudomonas Aeruginosa.

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**Q23(b):**

Under Section "Analytical Test Group, Community/Recreational Water (Fresh)" in Annex B:

This is the same issue as above, please state which list applies to this package.

**A23(b):**

Fresh Recreational water requires Total coliforms, HPC, Ecoli and Pseudomonas Aeruginosa.

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**Q24(a):**

Under Section "Drinking Water Package" in Annex B;

For the analytical test group, drinking water, do you want a package to reflect the annual drinking water package in Table 1, as well as a separate package quotation for weekly sampling encompassing total coliform and HPC?

**A24(a):**

Yes, DW Weekly and DW Annual.

**Q24(b):**

Should the expected volume for both packages for evaluation purposes be 60?

**A24(b):**

In response to this question, under Section "Drinking Water" in Annex B "Basis of Payment", the basis for pricing is revised as follows:

**Analytical Test Group, Drinking Water, ANNUAL:**

Your firm Lot Price for the above Analytical Test Group, Drinking Water for the period from date of issuance of Standing Offer to 31 December 2013@ \$\_\_\_\_\_/LOT.

Your firm Lot Price for the above Analytical Test Group, Drinking Water for the period from 01 January 2014 to 31 December 2014@ \$\_\_\_\_\_/LOT.

Your firm Lot Price for the above Analytical Test Group, Drinking Water for the period from 01 January 2015 to 31 December 2015@ \$\_\_\_\_\_/LOT.

THE ANNUAL ESTIMATED USAGE THAT WILL BE USED FOR EVALUATION PURPOSES ONLY FOR THE ABOVE ANALYTICAL TEST GROUP (Drinking Water) IS 1.

**Analytical Test Group, Drinking Water, WEEKLY:**

Your firm Lot Price for the above Analytical Test Group, Drinking Water for the period from date of issuance of Standing Offer to 31 December 2013@ \$\_\_\_\_\_/LOT.

Your firm Lot Price for the above Analytical Test Group, Drinking Water for the period from 01 January 2014 to 31 December 2014@ \$\_\_\_\_\_/LOT.

Your firm Lot Price for the above Analytical Test Group, Drinking Water for the period from 01 January 2015 to 31 December 2015@ \$\_\_\_\_\_/LOT.

THE ANNUAL ESTIMATED USAGE THAT WILL BE USED FOR EVALUATION PURPOSES ONLY FOR THE ABOVE ANALYTICAL TEST GROUP (Drinking Water) IS 60.

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**Q25:**

On Page 8 of 18, under Section 1.1.2: Point Rated Technical Criteria "C. Proposed Analytical Methodology/Quality Assurance" :

In the criteria there is a request for methodology for all analysis pertaining to the guidelines listed, this table later states "Each specific analysis (by type of test "parameter), medium, and method detection limit) will be evaluated individually." Would you like step by step methodology for all analysis included or just MDL's, matrix, and analysis type?

**A25:**

No, only specific analyses by type of test parameter, medium, and method detection limit.

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**ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.**

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# SAMPLING SHEET

March 2012

SUITE	PARAMETERS	BOTTLE	PRESERVATIVES
DWA (Drinking Water Annual)	Maxxam Drinking Water Package – General	1 L Plastic 120 ml Plastic	None
	Maxxam Drinking Water Package Total Metals	120 ml Plastic	Nitric Acid (HNO <sub>3</sub> )
	Total Coliforms	250 ml Plastic	Pre Preserved with Sodium Thiosulphate (Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> )
	HPC, EColi.	250 ml Plastic	Pre Preserved with Sodium Thiosulphate (Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> )
	Radionuclide/Gross Alpha/Beta	1 L Plastic	Nitric Acid (HNO <sub>3</sub> ) 10 ml per sample

RW1 (Recreational Water)	T. Coliforms	250 ml Plastic	Pre Preserved with Sodium Thiosulphate (Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> )
	HPC, E.Coli	250 ml Plastic	Pre Preserved with Sodium Thiosulphate (Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> )
	Pseudomonas aeruginosa	250 ml Plastic	Pre Preserved with Sodium Thiosulphate (Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> )

# **SAMPLING SHEET**

**March 2012**

<b>SUITE</b>	<b>PARAMETERS</b>	<b>BOTTLE</b>	<b>PRESERVATIVES</b>
<b>SAN 1 (Sanitary)</b>	<b>TSS</b>	<b>1 L Plastic</b>	<b>None</b>
	<b>BOD</b>	<b>1 L Plastic</b>	<b>None</b>
	<b>COD</b>	<b>120 ml Plastic</b>	<b>Sulphuric Acid (H<sub>2</sub>SO<sub>4</sub>)</b>
	<b>Phenols</b>	<b>100 ml Amber</b>	<b>Sulphuric Acid (H<sub>2</sub>SO<sub>4</sub>)</b>
	<b>Sulphide</b>	<b>120 ml Plastic</b>	<b>Sodium Hydroxide/ Sodium Acetate (NaOH/Zinc Acetate)</b>
	<b>Cyanide (total)</b>	<b>120 ml Plastic</b>	<b>Sodium Hydroxide (NaOH)</b>
	<b>T. Metals &amp; T. Mercury</b>	<b>120 ml Plastic</b>	<b>Nitric Acid (HN0<sub>3</sub>)</b>
	<b>BTEX</b>	<b>3 X 40ml Vials</b>	<b>Pre Preserved with Sodium Bisulphate</b>
	<b>PAH</b>	<b>2 X 250 ml Amber</b>	<b>Pre Preserved with Sodium Bisulphate</b>
	<b>TOG &amp; MOG</b>	<b>1 L Clear Glass</b>	<b>Sulphuric Acid (H<sub>2</sub>SO<sub>4</sub>)</b>
	<b>Ph, Chlorides, Sulphates</b>	<b>250 ml Plastic</b>	<b>None</b>

<b>WO/F1 (Waste Oil &amp; Fuel)</b>	<b>Waste Oil Pkg – Power Tech Labs</b>	<b>125 ml Glass</b>	<b>None</b>
	<b>Water Content, Abs Density, Rel Density, Heating Value, Flashpoint, Sulphur</b>	<b>3 X 125 ml Glass</b>	<b>None</b>

<b>DW1 (Drinking Water Bi-Weekly)</b>	<b>Total Coliforms, EColi.</b>	<b>250 ml Plastic</b>	<b>Pre Preserved with Sodium Thiosulphate (Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>)</b>
	<b>HPC</b>	<b>250 ml Plastic</b>	<b>Pre Preserved with Sodium Thiosulphate (Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>)</b>