

**RETURN BIDS TO:**  
**RETOURNER LES SOUMISSIONS À:**  
**Bid Receiving Public Works and Government  
Services Canada/Réception des soumissions  
Travaux publics et Services gouvernementaux  
Canada**  
1713 Bedford Row  
Halifax, N.S./Halifax, (N.É.)  
B3J 1T3  
Bid Fax: (902) 496-5016

**Request For a Standing Offer**  
**Demande d'offre à commandes**

Regional Individual Standing Offer (RISO)  
Offre à commandes individuelle régionale (OCIR)

Canada, as represented by the Minister of Public Works and  
Government Services Canada, hereby requests a Standing Offer  
on behalf of the Identified Users herein.

Le Canada, représenté par le ministre des Travaux Publics et  
Services Gouvernementaux Canada, autorise par la présente,  
une offre à commandes au nom des utilisateurs identifiés  
énumérés ci-après.

**Comments - Commentaires**

**Vendor/Firm Name and Address**  
**Raison sociale et adresse du  
fournisseur/de l'entrepreneur**

**Issuing Office - Bureau de distribution**  
Atlantic Region Acquisitions/Région de l'Atlantique  
Acquisitions  
1713 Bedford Row  
Halifax, N.S./Halifax, (N.É.)  
B3J 3C9  
Nova Scot

<b>Title - Sujet</b> RISO - Analytical Lab Services	
<b>Solicitation No. - N° de l'invitation</b> W010C-15C234/A	<b>Date</b> 2015-04-07
<b>Client Reference No. - N° de référence du client</b> W010C-15-C234	<b>GETS Ref. No. - N° de réf. de SEAG</b> PW-\$HAL-208-9490
<b>File No. - N° de dossier</b> HAL-4-73230 (208)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-04-23</b>	
<b>Time Zone Fuseau horaire</b> Atlantic Daylight Saving Time ADT	
<b>Delivery Required - Livraison exigée</b> See Herein	
<b>Address Enquiries to: - Adresser toutes questions à:</b> LeBlanc, JoAnne	<b>Buyer Id - Id de l'acheteur</b> hal208
<b>Telephone No. - N° de téléphone</b> (902)496-5010 ( )	<b>FAX No. - N° de FAX</b> (902)496-5016
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> DEPARTEMENT OF NATIONAL DEFENCE  as per Call-up against a Standing Offer  Halifax, Nova Scotia	
<b>Security - Sécurité</b> This request for a Standing Offer does not include provisions for security. Cette Demande d'offre à commandes ne comprend pas des dispositions en matière de sécurité.	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

<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 (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>

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**TITLE: Request for Regional Individual Standing Offer (RISO) for Analytical Laboratory Services  
for water samples**

The bid solicitation package is to be inserted at this point and forms part of this document.

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**TITLE: Request for Regional Individual Standing Offer (RISO) for Analytical Laboratory Services of various types of samples (from buildings and Ships) for the Department of National Defence, CFB Halifax**

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## **PART 1 - GENERAL INFORMATION**

### **1.1 Introduction**

The Request for Standing Offers (RFSO) is divided into six parts plus attachments and annexes, as follows:

Part 1: General information: provides a general description of the requirement;

Part 2: Offeror Instructions: provides the instructions applicable to the clauses and conditions of the RFSO;

Part 3: Offeror Preparation Instructions: provides offerors with instructions on how to prepare their offer to address the evaluation criteria specified;

Part 4: Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria which must be addressed in the offer, and the basis of selection;

Part 5: Certifications: includes the certifications to be provided;

Part 6: 6A, Standing Offer, and 6B, Resulting Contract Clauses:

6A, includes the Standing Offer containing the offer from the Offeror and the applicable clauses and conditions;

6B, includes the clauses and conditions which will apply to any contract resulting from a call-up made pursuant to the Standing Offer.

The Annexes include the Statement of Work, the Basis of Payment and any other annexes.

### **1.2 Summary**

The Department of National Defence CFB Halifax has a requirement for one (1) Regional Individual Standing Offer (RISO) agreement to carry out collection and analysis of Various types of samples (this includes various types of water samples, building bulk samples, and air samples) by a laboratory that has achieved proficiency certification by the Canadian Association of Environmental Analytical Laboratories (CAEAL), complete with documented results for each sample as specified in the attached Specifications in Annex A. The work required is based on an "as and when required" basis. A Pre-Job Meeting will be required between the Contractor and the Project Authority prior to the commencement of any work.

The user of this Standing Offer will be CFB Halifax (*HMC Dockyard Water Fuel Environment (WFE) Lab, and the Health Services Centre (Atlantic) Preventive Medicine*).

The services shall be provided on an as and when requested basis from award for a one year duration, with the option to extend for two (2) additional one (1) year periods. The financial limitation per year is estimated to be \$146,650.00 plus applicable taxes.

As per the Integrity Provisions under section 01 of Standard Instructions 2006 and 2007, offerors must provide a list of all owners and/or Directors and other associated information as required. Refer to section 4.21 of the Supply Manual for additional information on the Integrity Provisions.

For Services requirements, Offerors must provide the required information as detailed in article 2.3 of Part 2 of the Request for Standing Offers (RFSO), in order to comply with Treasury Board policies and the

directives on contracts awarded to former public servants.

**The requirement is limited to Canadian goods and/or services.**

The requirement is subject to the Agreement on Internal Trade (AIT).

**1.3 Debriefings**

Offerors may request a debriefing on the results of the request for standing offers process. Offerors should make the request to the Standing Offer Authority within 15 working days of receipt of the results of the request for standing offers process. The debriefing may be in writing, by telephone or in person.

**PART 2 - OFFEROR INSTRUCTIONS**

**2.1 Standard Instructions, Clauses and Conditions**

All instructions, clauses and conditions identified in the Request for Standing Offers (RFSO) by number, date and title are set out in *the Standard Acquisition Clauses and Conditions Manual* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Offerors who submit an offer agree to be bound by the instructions, clauses and conditions of the RFSO and accept the clauses and conditions of the Standing Offer and resulting contract(s).

The 2006 (2014-09-25) Standard Instructions - Request for Standing Offers - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the RFSO.

Subsection 5.4 of 2006, Standard Instructions - Request for Standing Offers - Goods or Services - Competitive Requirements, is amended as follows:

Delete: sixty (60) days  
Insert: ninety (90) days

**2.2 Submission of Offers**

Offers must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the Request for Standing Offers.

Due to the nature of the Request for Standing Offers, transmission of offers by facsimile or electronic mail to PWGSC will not be accepted.

**2.3 Former Public Servant - Competitive Requirements (to be completed by Offerer)**

Contracts awarded to former public servants (FPS) in receipt of a pension or of a lump sum payment must bear the closest public scrutiny, and reflect fairness in the spending of public funds. In order to comply with Treasury Board policies and directives on contracts awarded to FPS, offerors must provide the information required below before the issuance of a standing offer. If the answer to the questions and, as applicable the information required have not been received by the time the evaluation of offers is completed, Canada will inform the Offeror of a time frame within which to provide the information. Failure to comply with Canada's request and meet the requirement within the prescribed time frame will render the offer non-responsive.

## Definitions

For the purposes of this clause, "*former public servant*" is any former member of a department as defined in the [Financial Administration Act](#) R.S., 1985, c. F-11, a former member of the Canadian Armed Forces or a former member of the Royal Canadian Mounted Police. A former public servant may be:

- a. an individual;
- b. an individual who has incorporated;
- c. a partnership made of former public servants; or
- d. a sole proprietorship or entity where the affected individual has a controlling or major interest in the entity.

"*lump sum payment period*" means the period measured in weeks of salary, for which payment has been made to facilitate the transition to retirement or to other employment as a result of the implementation of various programs to reduce the size of the Public Service. The lump sum payment period does not include the period of severance pay, which is measured in a like manner.

"*pension*" means a pension or annual allowance paid under the [Public Service Superannuation Act](#) (PSSA), R.S., 1985, c. P-36, and any increases paid pursuant to the [Supplementary Retirement Benefits Act](#), R.S., 1985, c. S-24 as it affects the PSSA. It does not include pensions payable pursuant to the [Canadian Forces Superannuation Act](#), R.S., 1985, c. C-17, the [Defence Services Pension Continuation Act](#), 1970, c. D-3, the [Royal Canadian Mounted Police Pension Continuation Act](#), 1970, c. R-10, and the [Royal Canadian Mounted Police Superannuation Act](#), R.S., 1985, c. R-11, the [Members of Parliament Retiring Allowances Act](#), R.S. 1985, c. M-5, and that portion of pension payable to the [Canada Pension Plan Act](#), R.S., 1985, c. C-8.

## Former Public Servant in Receipt of a Pension

As per the above definitions, is the Offeror a FPS in receipt of a pension? **YES ( ) NO ( )**

If so, the Offeror must provide the following information, for all FPS in receipt of a pension, as applicable:

- a. name of former public servant;
- b. date of termination of employment or retirement from the Public Service.

By providing this information, Offerors agree that the successful Offeror's status, with respect to being a former public servant in receipt of a pension, will be reported on departmental websites as part of the published proactive disclosure reports in accordance with [Contracting Policy Notice: 2012-2](#) and the [Guidelines on the Proactive Disclosure of Contracts](#).

## Work Force Adjustment Directive

Is the Offeror a FPS who received a lump sum payment pursuant to the terms of the Work Force Adjustment Directive? **YES ( ) NO ( )**

If so, the Offeror must provide the following information:

- a. Name of former public servant;
- b. Conditions of the lump sum payment incentive;
- c. date of termination of employment;
- d. amount of lump sum payment;
- e. rate of pay on which lump sum payment is based;
- f. period of lump sum payment including start date, end date and number of weeks;
- g. number and amount (professional fees) of other contracts subject to the restrictions of a work force adjustment program.

For all contracts awarded during the lump sum payment period, the total amount of fees that may be paid to a FPS who received a lump sum payment is \$5,000, including Applicable Taxes.

## 2.4 Enquiries - Request for Standing Offers

All enquiries must be submitted in writing to the Standing Offer Authority no later than 10 days before the Request for Standing Offers (RFSO) closing date. Enquiries received after that time may not be answered.

Offerors should reference as accurately as possible the numbered item of the RFSO to which the enquiry relates. Care should be taken by offerors to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the questions or may request that offerors do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered with copies to all offerors. Enquiries not submitted in a form that can be distributed to all offerors may not be answered by Canada.

## 2.5 Applicable Laws

The Standing Offer and any contract resulting from the Standing Offer must be interpreted and governed, and the relations between the parties determined, by the laws in force in the Province of Nova Scotia.

Offerors may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their offer, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the offerors.

## PART 3 - OFFER PREPARATION INSTRUCTIONS

### 3.1 Offer Preparation Instructions

Canada requests that offerors provide their offer in separately bound sections as follows:

Section I: Technical Offer (2 hard copies)  
Section II: Financial Offer (1 hard copy)  
Section III: Certifications (1 hard copy)

Prices must appear in the financial offer only. No prices must be indicated in any other section of the offer.

Canada requests that offerors follow the format instructions described below in the preparation of their offer.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process

#### Policy on Green Procurement

(<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, offerors should:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- (b) use an environmentally-preferable format including black and white printing instead of colour printing; printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

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1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and

2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

### **Section I: Technical Offer**

In their technical offer, offerors should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

### **Section II: Financial Offer**

Offerors must submit their financial offer in accordance with the Basis of Payment identified in Annex B. The total amount of Goods and Services Tax or Harmonized Sales Tax must be shown separately, if applicable.

#### **3.1.1 Payment by Credit Card**

Canada requests that offerors complete one of the following:

- a)  Government of Canada Acquisition Cards (credit cards) will be accepted for payment of call-ups against the standing offer.

The following credit card(s) are accepted:

VISA \_\_\_\_\_

MasterCard \_\_\_\_\_

- b)  Government of Canada Acquisition Cards (credit cards) will not be accepted for payment of call-ups against the standing offer.

The Offeror is not obligated to accept payment by credit card.

Acceptance of credit cards for payment of call-ups will not be considered as an evaluation criterion.

### **Section III: Certifications**

Offerors must submit the certifications required under Part 5.

## **PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION**

### **4.1 Evaluation Procedures**

(a) Offers will be assessed in accordance with the entire requirement of the Request for Standing Offers including the technical and financial evaluation criteria.

(b) An evaluation team composed of representatives of Canada will evaluate the offers.

#### 4.1.1. Technical Evaluation

##### **MANDATORY REQUIREMENTS**

##### **OFFERERS MUST SUBMIT THE FOLLOWING DOCUMENTATION WITH THEIR OFFERS:**

1. A copy of their proficiency certification by the Canadian Association for Environmental Analytical Laboratories (CAEAL).
2. Proof of an Independent Safety Audit; and
3. Confirmation of Workers Compensation Coverage.

Confirmation from supplier that the above listed mandatory requirements will be maintained for the full duration of the Standing Offer Agreement.

#### 4.1.2 **Financial Evaluation**

The evaluation shall be conducted in accordance with Annex B. The supplier **MUST** complete all 4 Pricing Tables found *at the end of* Annex B. For Financial Evaluation purposes only, the sum of all the Offeror's Pricing for each of the possible three (3) years will be used to calculate the Offeror's Price.

#### 4.2 **Basis of Selection**

##### 4.2.1 **Mandatory Technical Criteria Only**

An offer must comply with the requirements of the Request for Standing Offer and meet all of the mandatory technical evaluation criteria to be declared responsive. The responsive offer with the lowest evaluated price will be recommended for issuance of a standing offer.

### **PART 5 - CERTIFICATIONS**

Offerors must provide the required certifications and associated information to be issued a standing offer.

The certifications provided by offerors to Canada is subject to verification by Canada at all times. Canada will declare an offer non-responsive, will have the right to set-aside a standing offer, or will declare a contractor in default in carrying out any of its obligations under any resulting contracts, if any certifications made by the Offeror is found to be untrue whether made knowingly or unknowingly during the offer evaluation period, during the Standing Offer period, or during the contract period.

The Standing Offer Authority will have the right to ask for additional information to verify the Offerors' certifications. Failure to comply and to cooperate with any request or requirement imposed by the Standing Offer Authority may render the Offer non-responsive, may result in the setting aside of the Standing Offer or constitute a default under the Contract.

#### 5.1 **Certifications Precedent to Issuance of a Standing Offer**

The certifications listed below should be completed and submitted with the offer, but may be submitted afterwards. If any of these required certifications is not completed and submitted as requested, the Standing Offer Authority will inform the Offeror of a time frame within which to provide the information. Failure to comply with the request of the Standing Offer Authority and to provide the certifications within the time frame provided will render the offer non-responsive.

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### 5.1.1 Integrity Provisions - Associated Information

By submitting an offer, the Offeror certifies that the Offeror and its Affiliates are in compliance with the provisions as stated in Section 01 Integrity Provisions - Offer of Standard Instructions 2006. The associated information required within the Integrity Provisions will assist Canada in confirming that the certifications are true.

### 5.1.2 Federal Contractors Program for Employment Equity - Standing Offer Certification

By submitting an offer, the Offeror certifies that the Offeror, and any of the Offeror's members if the Offeror is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity equity "FCP Limited Eligibility to Bid" list ([http://www.labour.gc.ca/eng/standards\\_equity/eq/emp/fcp/list/inelig.shtml](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)) available from [Employment and Social Development Canada-Labour's](#) website.

Canada will have the right to declare an offer non-responsive, or to set-aside a Standing Offer, if the Offeror, or any member of the Offeror if the Offeror is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of issuing of a Standing Offer or during the period of the Standing Offer.

### 5.1.3.2 Status and Availability of Resources

SACC clause M3020T (2010-01-11) Status and Availability of Resources

### 5.1.3 Additional Certifications Precedent to Contract Award

The following Additional Certifications Precedent to Contract Award, should be completed and submitted with the bid but may be submitted afterwards. If any of these required certifications is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to comply with the request of the Contracting Authority and to provide the certifications within that time frame provided will render the bid non-responsive.

#### 5.1.3.1 Canadian Content Certification (TO BE COMPLETED BY SUPPLIER)

SACC Manual clause A3050T (2010-01-11), Canadian Content Definition

**This procurement is limited to Canadian services.**

**The Bidder certifies that:**

( ) the service(s) offered is(are) a Canadian service as defined in paragraph 2 of clause A3050T.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

## **PART 6 - STANDING OFFER AND RESULTING CONTRACT CLAUSES**

### **A. STANDING OFFER**

#### **6.1 Offer**

The Offeror offers to fulfill the requirement in accordance with the Statement of Requirement at Annex A.

#### **6.2 Security Requirements**

Contractor personnel must have valid government issued photo identification on their person at all times. No escort is required once inside HMC Dockyard in ordinary circumstances. However, Contractor personnel must be escorted at all times when entering DND establishments or ships within HMC Dockyard. During heightened security events, access to HMC Dockyard may be delayed or denied, or if entry is permitted an escort will be required at all times while in HMC Dockyard as well as when in any of the establishments and ships.

Contractor shall be aware that in the event the Security Alert Level (SAL) rises, access to the work site, or MARLANT Halifax property in general, may be delayed, hindered, or prohibited. Should access be delayed, hindered, or prohibited as a result of an increased SAL, the contractor is to contact their Department of National Defence (DND) contact person indicated in the PWGSC 942 Call-up against a Standing Offer Agreement document.

The contractor agrees to follow procedures as laid out by Formation Security upon entering the confines of Maritime Forces Atlantic. Further to this, all vehicles owned or operated by the contractor may be subject to a search at any time, in accordance with standing regulations.

The contractor will be required to provide, in writing, throughout the duration of the standing offer the names and phone numbers of two people to contact for after-hours orders in the event of an emergency.

#### **6.3 Standard Clauses and Conditions**

All clauses and conditions identified in the Standing Offer and resulting contract(s) by number, date and title are set out in the *Standard Acquisition Clauses and Conditions Manual* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

##### **6.3.1 General Conditions**

2005 (2014-09-25) General Conditions - Standing Offers - Goods or Services, apply to and form part of the Standing Offer.

##### **6.3.2 Standing Offers Reporting**

###### **Periodic Usage Reports – Standing Offer**

The Offeror must compile and maintain records on its provision of goods, services or both to the federal government under contracts resulting from the Standing Offer. This data must include all purchases, including those paid for by a Government of Canada Acquisition Card.

The Offeror must provide this data in accordance with the reporting requirements *detailed in Annex "C"*. If some data is not available, the reason must be indicated. If no goods are provided during a given period, the Offeror must still provide a "nil" report.

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The data must be submitted on a quarterly basis to both the Standing Offer Authority, and a copy to the Technical Authority at the CF Health Services Centre (Atlantic) Preventive Medicine section to the following address:

DND  
Base Logistics  
Maritime Forces Atlantic  
PO Box 99000 Stn Forces  
Halifax, NS B3K5X5

The quarterly reporting periods are defined as follows:

1<sup>st</sup> quarter: \_\_\_\_\_ (specific months will be completed upon issuance of standing offer)  
2<sup>nd</sup> quarter: \_\_\_\_\_ (specific months will be completed upon issuance of standing offer)  
3<sup>rd</sup> quarter: \_\_\_\_\_ (specific months will be completed upon issuance of standing offer)  
4<sup>th</sup> quarter: \_\_\_\_\_ (specific months will be completed upon issuance of standing offer)

The data must be submitted to the Standing Offer Authority no later than 15 calendar days after the end of the reporting period. The Offeror shall also notify within fifteen days when 75% of the Standing Offer has been expended

## **6.4 Term of Standing Offer**

### **6.4.1 Period of the Standing Offer**

The period for making call-ups against the Standing Offer is from date of issuance of Standing Offer for a one year duration.

### **6.4.2 Extension of Standing Offer**

If the Standing Offer is authorized for use beyond the initial period, the Offeror offers to extend its offer **for 2 additional 12 month periods** under the same conditions and at the rates or prices specified in the Standing Offer, or at the rates or prices calculated in accordance with the formula specified in the Standing Offer.

The Offeror will be advised of the decision to authorize the use of the Standing Offer for an extended period by the Standing Offer Authority before the expiry date of the Standing Offer. A revision to the Standing Offer will be issued by the Standing Offer Authority.

## **6.5 Authorities**

### **6.5.1 Standing Offer Authority**

The Standing Offer Authority is:

JoAnne LeBlanc  
Supply Officer  
Public Works and Government Services Canada  
Acquisitions Branch  
Telephone: 902-496-5010  
Facsimile: 902-496-5016  
E-mail address: joanne.leblanc3@pwgsc.gc.ca

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The Standing Offer Authority is responsible for the establishment of the Standing Offer, its administration and its revision, if applicable. Upon the making of a call-up, as Contracting Authority, he is responsible for any contractual issues relating to individual call-ups made against the Standing Offer by any Identified User.

### 6.5.2 Project Authority

The Project Authority for the Standing Offer: Will be identified upon award

The Project Authority is the representative of the department or agency for whom the Work will be carried out pursuant to a call-up under the Standing Offer and is responsible for all the technical content of the Work under the resulting Contract.

### 6.5.3 Offeror's Representative (to be completed by the Offeror)

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Telephone: \_\_\_\_ - \_\_\_\_ - \_\_\_\_\_  
E-mail address: \_\_\_\_\_  
Procurement Business Number (PBN) \_\_\_\_\_

### 6.6 Proactive Disclosure of Contracts with Former Public Servants

By providing information on its status, with respect to being a former public servant in receipt of a [Public Service Superannuation Act](#) (PSSA) pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with [Contracting Policy Notice: 2012-2](#) of the Treasury Board Secretariat of Canada.

### 6.7 Identified Users

The Identified User authorized to make call-ups against the Standing Offer with DND Halifax is as follows:

- CFB - HMC Dockyard, Building D211 Water Fuel Environment (WFE) Lab Halifax
- CFB - Health Services Centre (Atlantic) Preventive Medicine

### 6.8 Call-up Instrument

The Work will be authorized or confirmed by the Identified User using form PWGSC-TPSGC 942, Call-up Against a Standing Offer. Each Call-up order MUST clearly show which client and respective address for each of the two Authorized Users noted under 6.7 Identified Users.

### 6.9 Limitation of Call-ups

Individual call-ups against the Standing Offer must not exceed **\$13,040.00**, Goods and Services Tax or Harmonized Sales Tax *are extra*.

### 6.10 Financial Limitation

The total cost to Canada resulting from call-ups against the Standing Offer must not exceed the sum of **\$146,670.00** for the initial period, Goods and Services Tax or Harmonized Sales Tax excluded unless otherwise authorized in writing by the Standing Offer Authority. The Offeror must not perform any work or

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services or supply any articles in response to call-ups which would cause the total cost to Canada to exceed the said sum, unless an increase is so authorized.

The Offeror must notify the Standing Offer Authority as to the adequacy of this sum when 75 percent of this amount has been committed, or before the expiry date of the Standing Offer, whichever comes first. However, if at any time, the Offeror considers that the said sum may be exceeded, the Offeror must promptly notify the Standing Offer Authority.

## **6.11 Priority of Documents**

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- a) the call up against the Standing Offer, including any annexes;
- b) the articles of the Standing Offer;
- c) the general conditions 2005 (2014-09-25), General Conditions - Standing Offers - Goods or Services;
- d) the general conditions 2010B (2014-09-25); General Conditions – Professional Services (Medium Complexity);
- e) Annex A - Specifications;
- f) Annex B - Basis of Payment;
- g) Annex C - Periodic Usage Reports;
- h) the Offeror's offer dated \_\_\_\_\_ .

## **6.12 Certifications**

### **6.12.1 Compliance**

The continuous compliance with the certifications provided by the Offeror with its offer and the ongoing cooperation in providing associated information are conditions of issuance of the Standing Offer (SO). Certifications are subject to verification by Canada during the entire period of the SO and of any resulting contract that would continue beyond the period of the SO. If the Offeror does not comply with any certification, fails to provide the associated information, or if it is determined that any certification made by the Offeror in its offer is untrue, whether made knowingly or unknowingly, Canada has the right to terminate any resulting contract for default and set aside the Standing Offer.

### **6.12.2 SACC Manual Clauses**

A3060C (2008-05-12), Canadian Content Certification  
M3060C (2008-05-12) Canadian Content Certification  
M3020C (2010-01-11) Status and Availability of Resources

## **6.13 Applicable Laws**

The Standing Offer and any contract resulting from the Standing Offer must be interpreted and governed, and the relations between the parties determined, by the laws in force in the Province of Nova Scotia.

## **B. RESULTING CONTRACT CLAUSES**

The following clauses and conditions apply to and form part of any contract resulting from a call-up against the Standing Offer.

### **6.1 Statement of Requirement**

The Contractor must perform the Work described in the call-up against the Standing Offer, as described in Annex A.

### **6.2 Standard Clauses and Conditions**

#### **6.2.1 General Conditions**

2010B (2014-09-25); General Conditions – Professional Services (Medium Complexity, apply to and form part of the Contract.

### **6.3 Term of Contract**

#### **6.3.1 Period of the Contract**

The Work must be completed in accordance with the call-up against the Standing Offer.

### **6.4 Proactive Disclosure of Contracts with Former Public Servants**

By providing information on its status, with respect to being a former public servant in receipt of a (PSSA) pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with [Contracting Policy Notice: 2012-2](#) of the Treasury Board Secretariat of Canada.

### **6.5 Payment**

#### **6.5.1 Basis of Payment**

The Contractor will be paid its costs reasonably and properly incurred in the performance of the Work, in accordance with Annex B herein.

#### **6.5.2 Limitation of Expenditure**

1. Canada's total liability to the Contractor under the Contract must not exceed \$ \_\_\_\_\_. Customs duties are included (if applicable) and Applicable Taxes are extra.
2. No increase in the total liability of Canada or in the price of the Work resulting from any design changes, modifications or interpretations of the Work, will be authorized or paid to the Contractor unless these design changes, modifications or interpretations have been approved, in writing, by the Contracting Authority before their incorporation into the Work. The Contractor must not perform any work or provide any service that would result in Canada's total liability being exceeded before obtaining the written approval of the Contracting Authority. The Contractor must notify the Contracting Authority in writing as to the adequacy of this sum:
  - a. when it is 75 percent committed, or
  - b. four (4) months before the contract expiry date, or

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- c. as soon as the Contractor considers that the contract funds provided are inadequate for the completion of the Work, whichever comes first.

3. If the notification is for inadequate contract funds, the Contractor must provide to the Contracting Authority a written estimate for the additional funds required. Provision of such information by the Contractor does not increase Canada's liability.

### **6.5.3 Method of Payment – Single Payment**

Payment by Canada for the work will be made following delivery, acceptance and inspection of the work, and upon presentation of invoices and other substantiating documentations as required by Canada.

SACC Manual Clause H1000C (2008-05-12) Single Payment

### **6.5.4 Payment by Credit Card**

To be determined, based on the Offeror's bid response.

## **6.6 Invoicing Instructions**

1. Invoices shall be submitted on the Contractor's own form. Each invoice must be supported by:
  - a) A copy of time sheets to support the time claimed (if applicable);
  - b) A copy of the invoices, receipts, for all direct expenses;
  - c) A copy of any documentation as detailed herein.
2. Invoices must be distributed as follows:
  - (a) the original and one (1) copy must be forwarded to the addresses as shown on the standing offer cover page, for certification and payment;
  - (b) One (1) copy must be forwarded to the Contracting Authority identified under section entitled "Authorities" of the Contract.

## **6.7 Defence Contract**

SACC Manual Clause A9006C (2012-07-16), Defence Contract

## **6.8 Insurance**

SACC Manual Clause G1005C (2008-05-12) Insurance

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**ANNEX "A"**

**SPECIFICATIONS**

See attached herein.

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**ANNEX "B"**

**BASIS OF PAYMENT**

See attached herein.

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**ANNEX "C"**

**PERIODIC USAGE REPORTS**

See attached herein.

RFSO Solicitation # W010C-15C234/A  
Request for Standing Offer for Lab Analysis Services

# ANNEX A

# SPECIFICATIONS

**ANNEX A – SPECIFICATIONS**

**CFB Halifax**

**HMC Dockyard Water Fuel Environment (WFE) Lab**



Standing Offer Agreement

**Analytical Laboratory Services  
for Routine Sampling Program**

Job No.W010C-15-C234

<u>Section</u>	<u>Title</u>	<u>Pages</u>
<u>Division 01 - General Requirements</u>		
01 11 00	General Instructions	3
01 29 83	Analytical Laboratory Services	7
01 29 83.01	Annex A WFE Shop Location	1
01 29 83.02	Annex B Analyses	35

PART 1 - GENERAL

- 1.1 RELATED SECTIONS .1 Section 01 29 83 Analytical Laboratory Services.  
.2 Section 01 29 83.02 Annex B Analyses.
- 1.2 DESCRIPTION OF WORK .1 Work of this Standing Offer Agreement comprises the furnishing of all labour, materials, tools, equipment, transportation and supervision required to provide analytical laboratory services for the routine sampling program of the DND Water Fuel Environment(WFE) section of CFB Halifax as specified herein.
- 1.3 ENGINEER .1 All reference to the Engineer in this specification, who is the Contract Inspector which is representing the Base Construction Engineering Officer(BCEO).  
.2 The Engineer will provide the Contractor with a list of his/her authorized representatives at the pre-job meeting.
- 1.4 WORK INCLUDED .1 Work included in this Standing Offer Agreement includes but will not be limited to the following:  
.1 Provide DND with sampling and shipping materials.  
.2 At DND request, provide laboratory services but not necessarily limited to the following analysis categories:  
.1 microbiology of water, effluent and sewage;  
.2 toxicology of water, effluent and sewage;  
.3 physical chemistry of water; and  
.4 potable water analysis.  
.3 Conduct various types of analysis on various media collected by DND during their routine sampling program. Conduct the required analytical suites as provided in Annex B.  
.4 Provide analytical reports of results.
-

- 
- 1.5 LOCATION OF JOB SITE .1 Area covered under this specification include the following location:
- .1 **HMC Dockyard, Building D211 Water Fuel Environment(WFE) Lab - Halifax, NS.**
- 1.6 PRE-JOB MEETING .1 Immediately upon receipt of award of Standing Offer Agreement, the successful Contractor will contact the Engineer to arrange a pre-job meeting prior to commencement of any work.
- 1.7 CONTRACTOR QUALIFICATIONS .1 The Contractor must satisfy the Engineer that he/she has adequate and qualified staff to perform the service expected. This includes all service calls within an acceptable time period and having adequate parts on hand to meet the requirements of the job, both during silent and normal working hours.
- .2 Whenever the Contractor uses sub-contractors, they too must perform to and comply with all requirements of this Standing Offer.
- 1.8 WORKMANSHIP .1 Workmanship must be the best quality executed by workers experienced and skilled in the respective duties for which they are employed.
- .2 Do not employ any unfit person or anyone unskilled in their required duties. The Engineer reserves the right to require the dismissal from the site, workers deemed incompetent, careless, insubordinate or otherwise objectionable.
- .3 Decisions as to the quality or fitness of workmanship in cases of dispute rest solely with the Engineer whose decision is final.
- .4 The Contractor will employ a competent and experienced supervisor with the authority to speak on his behalf on day-to-day routine matters.
- 1.9 PARKING .1 Parking space will be made available on site for company vehicles. Maintain and administer this space as directed.
-

1.10 CODES AND  
STANDARDS

- .1 Comply with all federal, provincial or municipal regulations and by-laws provided that in any case of conflict or discrepancy, the more stringent requirements will apply.

PART 2 - PRODUCTS

2.1 NOT USED

- .1 Not used.

PART 3 - EXECUTION

3.1 NOT USED

- .1 Not used.

PART 1 - GENERAL

- 1.1 RELATED SECTIONS .1 Section 01 11 00 General Instructions.  
.2 Section 01 29 83.02 Annex B Analyses.
- 1.2 GENERAL INFORMATION .1 The Water Fuel and Environment(WFE) technicians at CFB Halifax conduct a routine sampling program to monitor compliance with applicable Federal, Provincial, and/or Municipal guidelines and regulations. The routine sampling program involves the collection of potable water, oily wastewater treatment plant effluent, treated sewage, and swimming pool water samples on a regular basis.  
.2 The majority of the routine sampling program analytical requirement will be for bacteriological analysis requiring analysis to be conducted within 24 hours of sample collection.  
.3 DND reserves the right to not use this Standing Offer Agreement for all samples. The Laboratory is not guaranteed to receive any samples from DND under this Standing Offer, however it is probable that limited samples will be submitted for analysis.
- 1.3 WORK REQUIREMENTS .1 The Work to be done by the Laboratory under this Standing Offer Agreement must include the furnishing of all management, supervision, labour, materials, equipment, tools, supplies, overhead, sample disposal, disbursements and other incidentals necessary for the satisfactory performance and completion of all work as specified.  
.2 The Laboratory will be responsible for providing the labour and resources to fulfill the terms of the Standing Offer Agreement, including the necessary qualified personnel, office/lab space, reference documents, and data processing supplies, computers, and equipment to interpret the data and produce the analytical reports.  
.3 The Laboratory must consider the costs associated with shipping and receive sample materials to/from CFB Halifax. The Laboratory must also consider that shipments may contain only one sample at a time.  
.4 A lab contact must be identified for this Standing Offer Agreement. The lab contact will be the primary point of contact for this Standing Offer.
-

1.3 WORK  
REQUIREMENTS  
(Cont'd)

- .4 (Cont'd)
- .1 The lab contact must be geographically located in Atlantic Canada, to ensure adequate turnaround time for samples sent from Halifax.
  - .2 The lab contact must also ensure chain of custody integrity for shipments upon arrival at the drop off location. Use the form provided to indicate the Laboratory contact name, address, phone number, the location of the Laboratory or drop off location(if applicable), name of shipping company and contact information(if applicable), and delivery time from the drop off location to the Laboratory(if applicable).

1.4 ANALYSES  
CATEGORIES

- .1 DND may request but is not necessarily limited to the following analyses categories:
- .1 microbiology of water, effluent and sewage;
  - .2 toxicology of water, effluent and sewage;
  - .3 physical chemistry of water; and
  - .4 potable water analyses.
- .2 Required analytical suites are provided in Annex B Analyses. Other parameters may be requested from DND.

1.5 SAMPLES DROP  
OFF LOCATION

- .1 The Laboratory or Laboratory assigned drop off location must be within 50 kilometers of the WFE shop located at Maritime Forces Atlantic(MARLANT) Dockyard building D211 in Halifax, NS, as shown on the drawing provided in Annex A.
- .2 DND will ship the samples to the drop off location or Laboratory.
- .3 The drop off location must be equipped to receive samples and assess their integrity by conducting at a minimum:
- .1 documenting the condition of the samples;
  - .2 measuring the storage container temperature; and
  - .3 providing a statement of the sample integrity in writing prior to DND handing over the samples.
    - .1 Should the sample integrity be unacceptable/questionable, DND must be notified immediately. At that time, DND has the right to submit or not submit the samples.

- 
- 1.5 SAMPLES DROP OFF LOCATION (Cont'd)
- .3 (Cont'd)  
.3 (Cont'd)
- .4 Under this Standing Offer Agreement, DND may drop off samples on any weekday between 0730 and 1700 hours.
- 
- 1.6 DIFFERENT LOCATION FOR DROP OFF AND LABORATORY
- .1 In the event the samples are not analyzed/processed at the drop off location, it will be the Laboratory's responsibility to ensure the sample integrity is maintained during storage and subsequent shipping to the Laboratory.
- .2 Upon sample arrival(if location is different from the drop off location), the Laboratory will be responsible to assess the integrity of the samples by conducting at a minimum:
- .1 documenting the condition of the samples;
  - .2 measuring the storage container temperature; and
  - .3 providing a statement of the sample integrity in writing prior to DND handing over the samples.
    - .1 Should the sample integrity be unacceptable/questionable as a result of the shipping of the samples from the drop off location to the Laboratory, the Laboratory will be responsible for all DND costs associated with the collection of replacement samples.
- .3 For samples requiring analysis within 24 hours, the drop off location must be able to deliver samples to the Laboratory within the required timeframe to exceed/meet the analytical sample holding time.
-

1.7 CHAIN OF  
CUSTODY FORMS

- .1 Chain of custody forms must be provided by the Laboratory.  
The chain of custody forms must be customized to clearly identify the following:

**Company Name:** CFB Halifax, DND  
**DND Project Name:** CFB Halifax Routine Sampling Program  
**DND Project No.:** W010C-13-C234  
**Contact Name:** WFE Supervisor  
**Address:** Base Construction Engineering  
Maritime Forces Atlantic  
PO Box 99000 Stn Forces, WL7  
Halifax, NS B3K 5x5  
**Phone:** 902-427-5828  
**Cell:** 902-448-5006  
**Fax:** 902-427-0212

- .2 Sample identification must be reported exactly as presented on the chain of custody form submitted by the lab to DND or representative. If sample container labels do not correspond with the chain of custody form, DND or representative must be contacted to verify correct identification.

1.8 OWNERSHIP

- .1 All reports and supplements will remain the property of DND. Laboratory reports may be duplicated or released by DND without the permission of the Laboratory.
- .2 DND will not assume any responsibility for either the accuracy or completeness of any information provided. The Laboratory will be responsible to ensure the validity of said information, as well as to obtain any additional information vital to the completion of work.
- .3 The Laboratory must ensure that no member of their own team, including all sub-consultants and specialists, grants interviews with the media regarding this project. Both formal and informal interviews will only be permitted when authorized and coordinated in advance by DND.

1.9 COST SUBMISSION

- .1 The number of samples may vary. A cost proposal, consisting of unit rates, including timeline for completion and submission of analytical results, will be requested for each commission under this Standing Offer at the time of the call-up that will include specific type and number of analyses. However, typical samples will be for potable water, effluent, sewage and swimming pool water.
- .2 Should the drop off location be different from the Laboratory location:

1.9 COST SUBMISSION  
(Cont'd)

- .2 (Cont'd)
- .1 All costs associated with the storage and subsequent shipment of samples from the drop off location to the Laboratory will be included in the analytical costs as part of the bid submission.
  - .3 Progress claims must be submitted to the DND representative for each commission and be equal by unit-to-unit rates established and submitted by the Laboratory.
    - .1 Sample disposal costs must be included in the overall price per sample in the progress claim.
    - .2 Progress claims must include one unit cost only per parameter suite as included in the Unit Price Table (i.e. cost for metals, cost for VOCs, cost for PAHs).
  - .4 DND will not reimburse the Laboratory for costs or associated work where:
    - .1 samples have been compromised while in the Laboratory's custody;
    - .2 samples have not been analysed within the specified Laboratory holding time; and/or
    - .3 samples were not analysed to the specified/correct minimum detection limit.

PART 2 - PRODUCTS

2.1 MATERIALS

- .1 The Laboratory must provide DND with sterile sample containers, labels, coolers, freezer packs, preservatives, shipping containers, and any additional materials required for sample shipment at the time of sample submission. This is required since there is limited storage space at the WFE shop; therefore, when samples are submitted, the WFE technicians are provided with the replacements of the previously mentioned sample shipment materials.
- .1 In addition, if requested, the Laboratory will be expected to deliver the previously mentioned sample shipment materials to the WFE shop, location shown in Annex A.

PART 3 - EXECUTION

3.1 EXECUTION OF WORK

- .1 The Laboratory must comply with all applicable Federal, Provincial and Municipal legislation during this Standing Offer Agreement.
- .2 The Laboratory must carry out the work without interruption until complete and accepted by DND.
- .3 An appropriate Laboratory Quality Assurance/Quality Control Program and Health and Safety Program must be established by the Laboratory prior to analysis. Material Safety Data Sheets will be submitted by the lab to DND or representative for any hazardous materials supplied to DND as required for appropriate sample collection and analysis(e.g. preservatives).

3.2 ANALYTICAL RESULTS

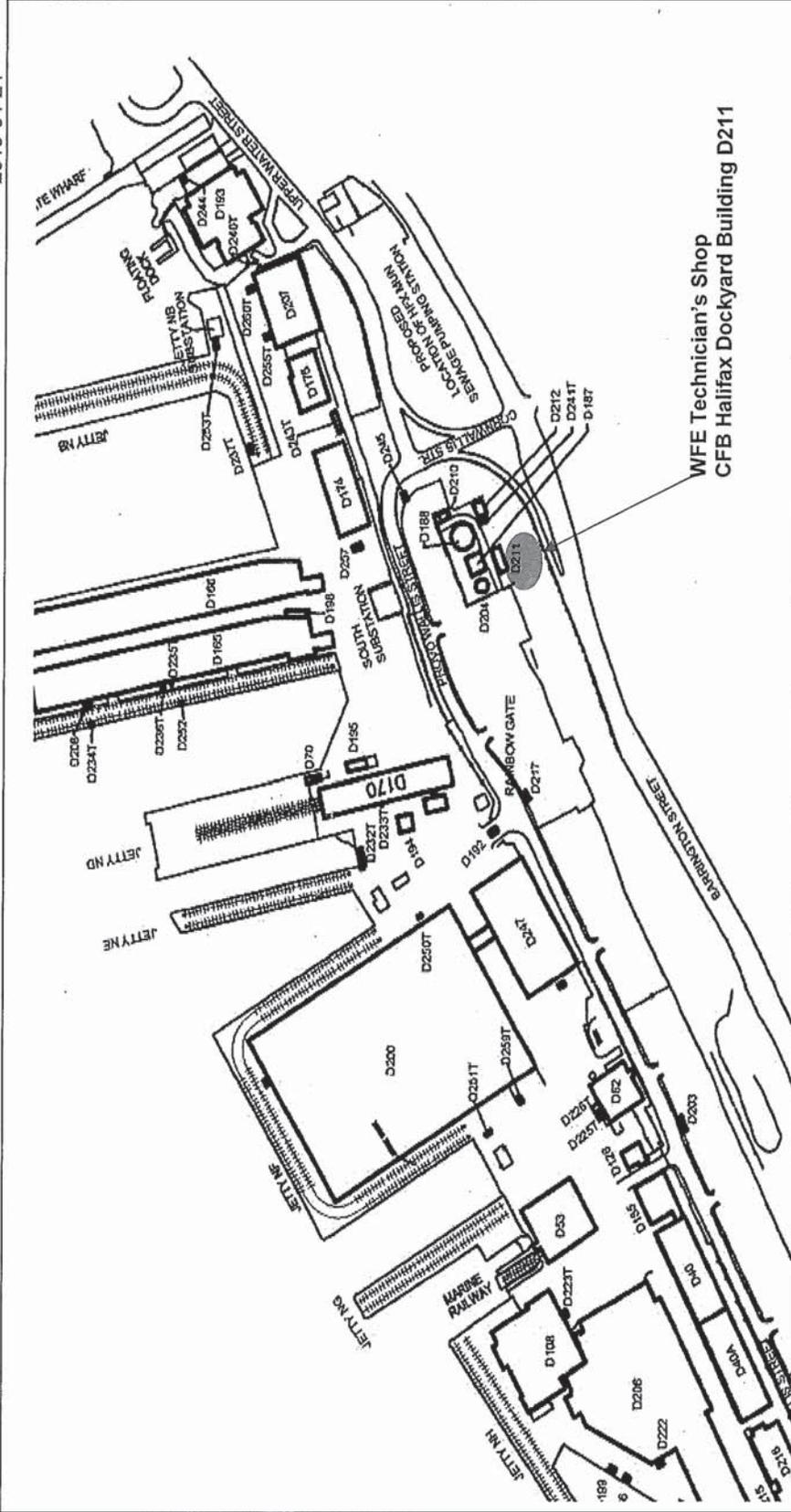
- .1 The laboratory must report the analytical results, as well as compare and list the analytical results to the DND specified regulatory criteria as indicated in Annex B. Other regulatory criteria may be requested from DND.
- .2 For analytical results that are below the Laboratory reportable detection limits(RDL), the Laboratory is required to report the results showing the actual RDL value(e.g. < RDL Value), rather than just showing "not-detected(nd)".
- .3 The Laboratory **must guarantee a 10-day turn around time for all parameters once samples have arrived at the Laboratory** with the exception of the following:
  - .1 **water(potable and swimming pool) bacteriological: 48-72 hours turn around time;**
  - .2 **TPH fractionation: 14 days turn around time;** and
  - .3 **dioxin and furans: 15 days turn around time.**

3.2 ANALYTICAL  
RESULTS  
(Cont'd)

- .4 Some samples may be required as **rush analyses(e.g. 24-hour, 48-hour or 5-day turn around time)**. The laboratory is to provide the costs for routine analytical times, as well as for the rush analytical times. Samples will be analysed with minimum detection limits equal to or below the most stringent of the Canadian Council of Ministers of the Environment(CCME), Canadian Environmental Quality Guidelines for Freshwater Aquatic Life(latest version), Canadian Environmental Quality Guidelines for Marine Aquatic Life(most recent), Health Canada's Canadian Drinking Water Quality Guidelines(most recent), Ontario Ministry of Environment Guidelines, and Atlantic PIRI Risk Based Corrective Action(RBCA) Tier I latest version, and other applicable criteria. Also, for potable and swimming pool water media, the samples will be analysed in accordance with the latest edition of "Standard Methods for Examining Water/Wastewater".
- .5 Analytical data units for water, effluent and sewage must be present in mg/L units, unless specified otherwise in the comparative regulatory criteria.
- .6 The Laboratory must provide the analytical results in hard copy, as well as digitally via e-mail. The result format will be in an approved DND digital excel spreadsheet, a signed Adobe Portable Document Format(PDF) and a signed original paper format to DND and/or a designated contact(located within the Atlantic Provinces). The Laboratory analytical results must be presented in the order as shown in Annex B of the specification for each analytical suite and parameter. An electronic confirmation of receipt of samples for analysis, as well as a record of sample condition upon submission, is required.
- .1 Email analytical results to:  
Peter.Gofton@forces.gc.ca  
Michael.Boutillier@forces.gc.ca  
Timothy.Henman@forces.gc.ca  
Trevor.Mccoul@forces.gc.ca

3.3 EMERGENCY  
NOTIFICATION

- .1 If the Laboratory discovers conditions that pose an immediate significant threat to human health or the environment, the Laboratory must notify DND immediately.
- .2 Laboratory is required to immediately notify DND via telephone, e-mail and fax of any potable or swimming pool water bacteriological exceedances.



Title: WFE Shop Location

Date: 24 Apr 2013

Scale: NTS

Reference: Map scanned from DND Maps

Project No.: W010C-15-C234

The Laboratory or assigned Laboratory drop off location must be within 50 kilometers of the WFE technician's shop, CFB Halifax Dockyard building D211, in Halifax, Nova Scotia

## **SPECIFICATIONS for Canadian Forces Health Services Centre (Atlantic) Preventive Medicine section**

### **OBJECTIVE**

The Canadian Forces Health Services Centre (Atlantic), Preventive Medicine section requires a Regional Individual Standing Offer (RISO) for sample analysis. The successful laboratory must hold proficiency certification by the Canadian Association of Environmental Analysis Laboratories (CAEAL). As proof, the CAEAL certification must accompany the documented results of each sample.

### **BACKGROUND**

Canadian Occupational Health and Safety Regulations, 10.1, Part X – Hazardous Substances stipulate that the concentration of airborne chemical agents must be determined and included in a health hazard investigation to determine exposure.

Department Force Health Protection (D FHP) Policy 6695-00 states that Preventive Medicine will conduct occupational health hazard assessments that will provide the Medical Officer with information regarding the type of hazardous exposure(s), the degree and manner of exposure(s), the frequency and duration of exposure(s), and the control measures in place, such as the use of personal protection equipment. Following that, Preventive Medicine must assess exposure through sampling to determine if it warrants medical surveillance.

Hazard assessments are broken down into three phases. Phase One identifies potential risks, Phase Two quantifies the risks through sampling, and Phase Three deals with compliance.

Preventive Medicine is also responsible for obtaining and submitting water samples independent of those taken by maintenance personnel, Canadian Forces Administrative Order 34-6, Water Supplies at Department of National Defence Establishments. This involves Preventive Medicine to conduct monthly random water sampling for quality assurance purposes and other sampling for investigation purposes due to water complaints.

The practice of call-ups against a standing offer for sample analysis is the normal practice for all Preventive Medicine offices throughout the Department of National Defence.

### **SCOPE**

The contractor shall provide sampling media, analytical testing, reports, and disposal of used cartridges/filters. Samples may include, but not limited to water, chemical and biological agents that are collected in the workplace. The contractor should indicate the amount of time that the samples can be stored, and under what conditions before analysis. **All sample results/reports will be forwarded to the client within "5 business days – for CF Health Services Centre (Atlantic) Preventive Medicine section".**

### **TASKS**

The contractor will provide analysis and disposal of samples in accordance with National Institute of Occupational Safety and Health (NIOSH) Analytical Methods, Occupational Safety and Health Association (OSHA) Methods or Environment Protection Agency (EPA) test methods or Health Canada's Canadian Drinking Water Quality Guidelines (HC CDWQG) or any other methods indicated by the client.

An occupational exposure limit will be determined from the analytical results by using the instructions in Appendix H of the American Conference of Governmental Industrial Hygienists (ACGIH) booklet entitled

## **RFSO Solicitation # W010C-15C234/A – Request for standing offer for Lab Analysis Services**

Documentation of the Threshold Limit Values and Biological Exposure Indices, Edition 2012 or the most recent version unless otherwise indicated.

All water analytical results will be compared to Health Canada's Canadian Drinking Water Quality Guidelines, July 2012 or most recent version unless otherwise indicated.

### **CLIENT SUPPORT**

The Senior Preventive Medicine Technician will transport the sampling media to the Laboratory. Canadian Forces Health Services will provide a Preventive Medicine to gather all samples and forward them to the contractor's analytical lab either by courier or delivered to the lab using DND vehicle.

Preventive Medicine Section  
CF Health Services Centre (Atlantic)  
Attn: Senior Preventive Medicine Technician  
Bldg S-80, 3<sup>rd</sup> Floor Room 3059  
P.O. Box 99000 Stn Forces  
Halifax, NS B3K 5X5  
Phone: 902-721-7885  
Fax: 902-721-8721  
Email: +PMEDHalifax@CF H Svcs C(A)@Halifax

### **SCHEDULE**

An original certified copy of the analytical results shall be provided **within five (5) business days** of receipt of sample media.

### **DELIVERABLES**

All sample media will be forwarded to the lab either by local transportation or by courier service (if required) within 24 hours on completion of the sampling.

Analytical testing as described above.

The Laboratory will provide an original certified copy of the analytical results.

### **CONFIRMATION**

The contractor is to confirm receipt of the Call-up order documents and the availability of requested quantities within four hours receipt of the Call-up document.

Urgent requirements may take place by phone or facsimile, and shall be followed by a formal PWGSC 942 Call-up Against a Standing Offer form.

RFSO Solicitation # W010C-15C234/A  
Request for Standing Offer for Lab Analysis Services

## **ANNEX B**

# **BASIS OF PAYMENT**

**ANNEX B – Basis of Payment**  
**CFB Haliax - HMC Dockyard Water Fuel Environment (WFE) Lab**

National Defence  
 Job No. W010C-15-C234  
 CFB Halifax, NS

Annex B  
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 2013-04-24

**Part 1 – Analyses for Routine Sampling Program**

<b>Media: POTABLE WATER</b>	
All analytical results are to be listed and compared to Health Canada's Canadian Drinking Water Quality Guidelines, August 2012 or most recent version (HC CDWQG) unless otherwise indicated.	
<b>Analytical Package</b>	<b>Individual parameters within the package (as a minimum)</b>
<b>Full analytical suite of HC CDWQG including a gross alpha-beta scan but excluding primary and secondary radionuclide analysis</b>	This package is to include analysis for all HC CDWQG parameters including a gross alpha-beta scan but excluding primary and secondary radionuclide analysis.
<b>Primary Radionuclides (Bq/L) checked</b>	As listed in the HC CDWQG
<b>Secondary Radionuclides (Bq/L) checked</b>	As listed in the HC CDWQG
<b>Total Metals</b>	Aluminum Antimony Arsenic Barium Beryllium Bismuth Boron Bromate Cadmium Calcium Chromium Cobalt Copper Fluoride Iron Lead Lithium Manganese

Analytical Package	Individual parameters within the package (as a minimum)
<p><b>Total Metals(Cont'd)</b></p>	<p>Magnesium            Mercury            Molybdenum            Nickel            Phosphorus            Potassium            Rubidium            Selenium            Silicon            Silver            Sodium            Strontium            Sulphur            Tellurium            Thallium            Tin            Titanium            Uranium            Vanadium            Zinc</p>
<p><b>General Chemistry (RCAP)</b></p>	<p>Anion Sum            Bicarbonate Alkalinity (calc. as CaCO3)            Calculated TDS            Carbonate Alkalinity (calc. as CaCO3)            Cation Sum            Colour            Conductivity            Dissolved Chloride            Total Sulphate (SO4)            Ferrous Iron            Hardness (CaCO3)            Ion Balance (% Difference)            Langelier Index (@ 20C)            Langelier Index (@ 4C)</p>

Analytical Package	Individual parameters within the package (as a minimum)
<p><b>General Chemistry (RCAP)(Cont'd)</b></p>	<p>Nitrate            Nitrate + Nitrite            Nitrite (N)            Nitrogen (Ammonia Nitrogen)            Orthophosphate(P)            pH            Phosphorus            Reactive Silica (SiO2)            Sodium            Total Alkalinity (Total as CaCO3)            Total Dissolved Solids            Total Organic Carbon            Total Suspended Solids            Turbidity            Saturation pH (@ 20C)            Saturation pH (@ 4C)</p>
<p><b>RCAP-MS Total Metals</b></p>	<p>Anion Sum            Bicarbonate Alkalinity (calc. as CaCO3)            Calculated TDS            Carbonate Alkalinity (calc. as CaCO3)            Cation Sum            Colour            Conductivity            Dissolved Chloride            Total Sulphate (SO4)            Ferrous Iron            Hardness (CaCO3)            Ion Balance (% Difference)            Langelier Index (@ 20C)            Langelier Index (@ 4C)            Nitrate            Nitrate + Nitrite            Nitrite (N)</p>

Analytical Package	Individual parameters within the package (as a minimum)
<p><b>RCAP-MS Total Metals(Cont'd)</b></p>	<p>Nitrogen (Ammonia Nitrogen)            Orthophosphate (P)            pH            Phosphorus            Reactive Silica (SiO2)            Sodium            Total Alkalinity (Total as CaCO3)            Total Dissolved Solids            Total Organic Carbon            Total Suspended Solids            Turbidity            Saturation pH (@ 20C)            Saturation pH (@ 4C)</p>
<p><b>Elements (ICP-MS)</b></p>	<p>Total Aluminum (Al)            Total Antimony (Sb)            Total Arsenic (As)            Total Barium (Ba)            Total Beryllium (Be)            Total Bismuth (Bi)            Total Boron (B)            Total Cadmium (Cd)            Total Chromium (Cr)            Total Cobalt (Co)            Total Copper (Cu)            Total Iron (Fe)            Total Lead (Pb)            Total Manganese (Mn)            Total Molybdenum (Mo)            Total Nickel (Ni)            Total Selenium (Se)            Total Silver (Ag)            Total Strontium (Sr)            Total Thallium (Tl)</p>

Analytical Package	Individual parameters within the package (as a minimum)
<b>Elements (ICP-MS) (Cont'd)</b>	Total Tin (Sn) Total Titanium (Ti) Total Uranium (U) Total Vanadium (V) Total Zinc (Zn)
<b>Elements (ICP-OES)</b>	Total Calcium (Ca) Total Magnesium (Mg) Total Phosphorus (P) Total Potassium (K) Total Sodium (Na)
<b>Volatile Organic Compounds</b>	Benzene Bromodichloromethane Bromoform Bromomethane Carbon Tetrachloride Chlorobenzene (Monochlorobenzene) Chloroethane Chloromethane Chloroform cis-1,2-Dichloroethene cis-1,3-Dichloropropene Dibromochloromethane 1,2 – Dibromoethane 1,2 – Dichlorobenzene 1,3 – Dichlorobenzene 1,4 – Dichlorobenzene 1,1-Dichloroethane 1,2-Dichloroethane 1,1 – Dichloroethene 1,1 – Dichloroethylene 1,2-Dichloropropane Dichloromethane (Methylene Chloride) Ethylbenzene

Analytical Package	Individual parameters within the package (as a minimum)
<p><b>Volatile Organic Compounds(Cont'd)</b></p>	<p><b>Total Xylene (do not report as o-xylene and mp-xylene)</b>            Styrene            1,1,2,2-Tetrachloroethane            Tetrachloroethylene            Toluene            trans 1,2-Dichloroethene            trans 1,3-Dichloropropene            1,1,1-Trichloroethane            Trichloroethylene (TCE)            1,1,2-Trichloroethane            Trichlorofluoromethane            Total Trihalomethanes (THMs)            Vinyl Chloride</p>
<p><b>Semi-Volatiles</b></p>	<p>Aldicarb            Aldrin + Dieldrin            Atrazine + Desthyl-atrazine            Bendiocarb            Benzo(a)pyrene            Bromoxynil            Carbaryl            Carbofuran            Chlorpyrifos (Dursban)            Cyanazine (Bladex)            2,4-Dichlorophenoxyacetic acid (2,4-D)            2,4-Dichlorophenol            Diazinon            Dicamba            Diclufop-methyl            Dimethoate            Dinoseb            Malathion            Methoxychlor            Metolachlor</p>



Analytical Package	Individual parameters within the package (as a minimum)
<p><b>Pesticides(Cont'd)</b></p>	<p>Endrin Aldehyde            Endrin Ketone            Gamma-BHC            Gamma Chlordane            Heptachlor            Heptachlor epoxide            Hexachlorobenzene            Lindane            Methoxychlor            Mirex            Octachlorostyrene            o,p-DDD            o,p-DDE            o,p-DDT            p,p-DDD            p,p,-DDE            p,p-DDT            Total Chlordane            Toxaphene</p>
<p><b>Diuron, Guthion, Temephos</b></p>	<p>Diuron            Guthion (Azinphos-methyl)</p>
<p><b>Diquat/Paraquat</b></p>	<p>Diquat            Paraquat (as dichloride)</p>
<p><b>Glycols</b></p>	<p>Diethylene Glycol            Ethylene Glycol            Glycol (Total)            Propylene Glycol</p>

Analytical Package	Individual parameters within the package (as a minimum)
<p><b>Polycyclic Aromatic Hydrocarbons</b></p>	<p>Acendphtylene            Acendphtthene            Acridine            Anthracene            Benzo(a)anthracene            Benzo(a)pyrene            Benzo (b) fluoranthene            Benzo(e)pyrene            Benzo (k) fluoranthene            Benzo (ghi) perylene            Chrysene            Dibenz(a,h)anthracene            Fluoranthene            Fluorene            Indeno(1,2,3)pyrene            Naphthalene            Perylene            Phenanthrene            Pyrene,            Quinoline            1-Methylnaphthalene            2-Methylnaphthalene</p>
<p><b>Bacteriological</b></p>	<p>Emerging Pathogens            Escherichia Coli            Heterotrophic Plate Count            Total Coliforms</p>
<p><b>Individual Potable Water Analyses/Parameters/Packages</b></p>	
<p>BOD (Biochemical Oxygen Demand)</p>	
<p>COD (Chemical Oxygen Demand)</p>	
<p>Cyanide</p>	
<p>Cyanobacterial toxins – microcystin-LR</p>	
<p>Enteric Viruses</p>	

Individual Potable Water Analyses/Parameters/Packages(Cont'd)	
Formaldehyde	
Glyphosate	
Hexavalent Chromium	
Methylmercury	
MTBE	If requested, will be requested in conjunction with BTEX/TPH
Nitrioltriacetic Acid (NTA)	
PCB (Total)	
Phenol (individual)	
Protozoa	
Sulphide (as H <sub>2</sub> S)	
TKN (Total Kjeldahl Nitrogen)	
Total Phenolics (aggregate)	
TPH Fractionation	If requested, will be requested in conjunction with BTEX/TPH
Trivalent Chromium	
Tributhyl Tin	
Total Chlorine	
Total Chloramines	

**Media: TREATED SEWAGE**

All analytical results are to be listed and compared to the most recent criterion presented in Appendix E Table E.2 of the Atlantic Canada Standards and Guidelines Manual for the Collection, Treatment and Disposal of Sanitary Sewage, 2000 or the most recent version. A copy of the manual can be found at:

<http://www.gov.ns.ca/inse/water/docs/AtlCanStdGuideSewage.pdf>

Biochemical Oxygen Demand (BOD)
Total Suspended Solids (SS)
Total Coliforms
Escherichia Coli

**Media: SWIMMING POOL WATER**

All analytical results are to be listed and compared to both:

- .1 Department of Health Guidelines for Swimming Pool, Province of Nova Scotia, 1987 or the most recent version. A copy of this document can be obtained by contacting the Nova Scotia Environment and Labour.
- .2 Guidelines for monitoring Public Drinking Water Supplies, Nova Scotia Environment and Labour, December 12, 2005 or the most recent version. A copy of the manual can be found at:

[http://www.gov.ns.ca/nse/water/docs/Guidelines\\_for\\_Monitoring\\_Public\\_Drinking\\_Water\\_Supplies.pdf](http://www.gov.ns.ca/nse/water/docs/Guidelines_for_Monitoring_Public_Drinking_Water_Supplies.pdf)

Pseudomonas aeruginosa
Staphylococcus aureus
Total Coliforms
Escherichia Coli
Total Chlorine

<p><b>Media: OILY WASTEWATER TREATMENT PLANT EFFLUENT</b></p> <p>All analytical results are to be listed and compared to the Halifax Regional Municipality By-law – W-101. A copy of the by-law can be found at:  <a href="http://www.halifax.ca/legislation/bylaws/hrm/documents/By-LawW-101.pdf">http://www.halifax.ca/legislation/bylaws/hrm/documents/By-LawW-101.pdf</a></p>	
<b>Analytical Package</b>	<b>Individual parameters within the package (as a minimum)</b>
<b>TPH/BTEX</b>	Benzene Toluene EthylBenzene Total Xylene ( <b>do not report as o-xylene and mp-xylene</b> ) C6 - C10 (less BTEX) >C10-C21 Hydrocarbons >C21-<C32 Hydrocarbons Total Petroleum Hydrocarbons Modified Petroleum Hydrocarbons If requested, will be requested in conjunction with BTEX/TPH If requested, will be requested in conjunction with BTEX/TPH
<b>MTBE</b>	If requested, will be requested in conjunction with BTEX/TPH
<b>TPH Fractionation</b>	If requested, will be requested in conjunction with BTEX/TPH
<b>MOG + TOG</b>	MOG (Mineral Oil and Grease) TOG (Total Oil and Grease)

**Part 2 – Analyses for Emergency Sampling Program**

<b>Media:</b> POTABLE WATER	
All analytical results are to be listed and compared to Health Canada's Canadian Drinking Water Quality Guidelines, August 2012 or most recent version (HC CDWQG) unless otherwise indicated.	
<b>Analytical Package</b>	<b>Individual parameters within the package (as a minimum)</b>
Full analytical suite of HC CDWQG including a gross alpha-beta scan but excluding primary and secondary radionuclide analysis	This package is to include analysis for all HC CDWQG parameters including a gross alpha-beta scan but excluding primary and secondary radionuclide analysis.
Primary Radionuclides (Bq/L) checked	As listed in the HC CDWQG
Secondary Radionuclides (Bq/L) checked	As listed in the HC CDWQG
<b>Total Metals</b>	Aluminum Antimony Arsenic Barium Beryllium Bismuth Boron Bromate Cadmium Calcium Chromium Cobalt Copper Fluoride Iron Lead Lithium Manganese

Analytical Package	Individual parameters within the package (as a minimum)
<p><b>Total metals (Cont'd)</b></p>	<p>Magnesium            Mercury            Molybdenum            Nickel            Phosphorus            Potassium            Rubidium            Selenium            Silicon            Silver            Sodium            Strontium            Sulphur            Tellurium            Thallium            Tin            Titanium            Uranium            Vanadium            Zinc</p>
<p><b>General chemistry (RCAP)</b></p>	<p>Anion Sum            Bicarbonate Alkalinity (calc. as CaCO3)            Calculated TDS            Carbonate Alkalinity (calc. as CaCO3)            Cation Sum            Colour            Conductivity            Dissolved Chloride            Total Sulphate (SO4)            Ferrous Iron            Hardness (CaCO3)            Ion Balance (% Difference)            Langelier Index (@ 20C)            Langelier Index (@ 4C)</p>

Analytical Package	Individual parameters within the package (as a minimum)
<p><b>General chemistry (RCAP)(Cont'd)</b></p>	<p>Nitrate            Nitrate + Nitrite            Nitrite (N)            Nitrogen (Ammonia Nitrogen)            Orthophosphate(P)            pH            Phosphorus            Reactive Silica (SiO2)            Sodium            Total Alkalinity (Total as CaCO3)            Total Dissolved Solids            Total Organic Carbon            Total Suspended Solids            Turbidity            Saturation pH (@ 20C)            Saturation pH (@ 4C)</p>
<p><b>RCAP-MS Total Metals</b></p>	<p>Anion Sum            Bicarbonate Alkalinity (calc. as CaCO3)            Calculated TDS            Carbonate Alkalinity (calc. as CaCO3)            Cation Sum            Colour            Conductivity            Dissolved Chloride            Total Sulphate (SO4)            Ferrous Iron            Hardness (CaCO3)            Ion Balance (% Difference)            Langelier Index (@ 20C)            Langelier Index (@ 4C)            Nitrate            Nitrate + Nitrite            Nitrite (N)</p>

Analytical Package	Individual parameters within the package (as a minimum)
<p><b>RCAP-MS Total Metals(Cont'd)</b></p>	<p>Nitrogen (Ammonia Nitrogen)            Orthophosphate (P)            pH            Phosphorus            Reactive Silica (SiO2)            Sodium            Total Alkalinity (Total as CaCO3)            Total Dissolved Solids            Total Organic Carbon            Total Suspended Solids            Turbidity            Saturation pH (@ 20C)            Saturation pH (@ 4C)</p>
<p><b>Elements (ICP-MS)</b></p>	<p>Total Aluminum (Al)            Total Antimony (Sb)            Total Arsenic (As)            Total Barium (Ba)            Total Beryllium (Be)            Total Bismuth (Bi)            Total Boron (B)            Total Cadmium (Cd)            Total Chromium (Cr)            Total Cobalt (Co)            Total Copper (Cu)            Total Iron (Fe)            Total Lead (Pb)            Total Manganese (Mn)            Total Molybdenum (Mo)            Total Nickel (Ni)            Total Selenium (Se)            Total Silver (Ag)            Total Strontium (Sr)            Total Thallium (Tl)</p>

Analytical Package	Individual parameters within the package (as a minimum)
<b>Elements (ICP-MS) (Cont'd)</b>	Total Tin (Sn) Total Titanium (Ti) Total Uranium (U) Total Vanadium (V) Total Zinc (Zn)
<b>Elements (ICP-OES)</b>	Total Calcium (Ca) Total Magnesium (Mg) Total Phosphorus (P) Total Potassium (K) Total Sodium (Na)
<b>Volatile Organic Compounds</b>	Benzene Bromodichloromethane Bromoform Bromomethane Carbon Tetrachloride Chlorobenzene (Monochlorobenzene) Chloroethane Chloromethane Chloroform cis-1,2-Dichloroethene cis-1,3-Dichloropropene Dibromochloromethane 1,2 - Dibromoethane 1,2 - Dichlorobenzene 1,3 - Dichlorobenzene 1,4 - Dichlorobenzene 1,1-Dichloroethane 1,2-Dichloroethane 1,1 - Dichloroethene 1,1 - Dichloroethylene 1,2-Dichloropropane Dichloromethane (Methylene Chloride) Ethylbenzene

Analytical Package	Individual parameters within the package (as a minimum)
<p><b>Volatile Organic Compounds(Cont'd)</b></p>	<p>Total Xylene (<u>do not report as o-xylene and mp-xylene</u>)            Styrene            1,1,2,2-Tetrachloroethane            Tetrachloroethylene            Toluene            trans 1,2-Dichloroethene            trans 1,3-Dichloropropene            1,1,1-Trichloroethane            Trichloroethylene (TCE)            1,1,2-Trichloroethane            Trichlorofluoromethane            Total Trihalomethanes (THMs)            Vinyl Chloride</p>
<p><b>Semi-volatiles</b></p>	<p>Aldicarb            Aldrin + Dieldrin            Atrazine + Desthyl-atrazine            Bendiocarb            Benzo(a)pyrene            Bromoxynil            Carbaryl            Carbofuran            Chlorpyrifos (Dursban)            Cyanazine (Bladex)            2,4-Dichlorophenoxyacetic acid (2,4-D)            2,4-Dichlorophenol            Diazinon            Dicamba            Diclofop-methyl            Dimethoate            Dinoseb            Malathion            Methoxychlor            Metolachlor</p>

Analytical Package	Individual parameters within the package (as a minimum)
Semi-volatiles(Cont'd)	Metribuzin (Sencor) Parathion (Ethyl Parathion + Methyl Parathion) Pentachlorophenol Phorate Picloram Simazine Terbufos 2,3,4,6-Tetrachlorophenol 2,4,6-Trichlorophenol Trifluralin
TPH/BTEX	Benzene Toluene EthylBenzene Total Xylene ( <u>do not report as o-xylene and mp-xylene</u> ) Total Petroleum Hydrocarbons Modified Petroleum Hydrocarbons  <b>Note:</b> Must be able to provide results comparable to the Atlantic PIRI Risked Based Corrective Action, most recent version, in addition to HC CDWQG.
Pesticides	Aldrin Alpha-BHC Alpha Chlordane Beta-BHC Delta-BHC Dieldrin DDT + Metabolites Endosulfan I Endosulfan II Endosulfan (Total) Endosulfan Sulfate Endrin

Analytical Package	Individual parameters within the package (as a minimum)
Pesticides(Cont'd)	Endrin Aldehyde Endrin Ketone Gamma-BHC Gamma Chlordane Heptachlor Heptachlor epoxide Hexachlorobenzene Lindane Methoxychlor Mirex Octachlorostyrene o,p-DDD o,p-DDE o,p-DDT p,p-DDD p,p,-DDE p,p-DDT Total Chlordane Toxaphene
Diuron, Guthion, Temephos	Diuron Guthion (Azinphos-methyl)
Diquat/Paraquat	Diquat Paraquat (as dichloride)
Glycols	Diethylene Glycol Ethylene Glycol Glycol (Total) Propylene Glycol

Analytical Package	Individual parameters within the package (as a minimum)
<p><b>Polycyclic Aromatic Hydrocarbons</b></p>	<p>Acendphtylene            Acendphtene            Acridine            Anthracene            Benzo(a)anthracene            Benzo(a)pyrene            Benzo (b) fluoranthene            Benzo(e)pyrene            Benzo (k) fluoranthene            Benzo (ghi) perylene            Chrysene            Dibenz(a,h)anthracene            Fluoranthene            Fluorene            Indeno(1,2,3) pyrene            Naphthalene            Perylene            Phenanthrene            Pyrene,            Quinoline            1-Methylnaphthalene            2-Methylnaphthalene</p>
<p><b>Bacteriological</b></p>	<p>Emerging Pathogens            Escherichia Coli            Heterotrophic Plate Count            Total Coliforms</p>
<p><b>Individual Potable Water Analyses/Parameters/Packages</b></p>	
<p>BOD (Biochemical Oxygen Demand)</p>	
<p>COD (Chemical Oxygen Demand)</p>	
<p>Cyanide</p>	
<p>Cyanobacterial toxins – microcystin-LR</p>	
<p>Enteric Viruses</p>	

Individual Potable Water Analyses/Parameters/Packages(Cont'd)	
Formaldehyde	
Glyphosate	
Hexavalent Chromium	
Methylmercury	
MTBE	If requested, will be requested in conjunction with BTEX/TPH
Nitrotriacetic Acid (NTA)	
PCB (Total)	
Phenol (individual)	
Protozoa	
Sulphide (as H2S)	
TKN (Total Kjeldahl Nitrogen)	
Total Phenolics (aggregate)	
TPH Fractionation	If requested, will be requested in conjunction with BTEX/TPH
Trivalent Chromium	
Tributyl Tin	
Total Chlorine	
Total Chloramines	

**Media: TREATED SEWAGE**

All analytical results are to be listed and compared to the most recent criterion presented in Appendix E Table E.2 of the Atlantic Canada Standards and Guidelines Manual for the Collection, Treatment and Disposal of Sanitary Sewage, 2000 or the most recent version. A copy of the manual can be found at:

<http://www.gov.ns.ca/nse/water/docs/AtlCanStdGuideSewage.pdf>

Biochemical Oxygen Demand (BOD)	
Total Suspended Solids (SS)	
Total Coliforms	
Escherichia Coli	

**Media: SWIMMING POOL WATER**

All analytical results are to be listed and compared to both:

- .1 Department of Health Guidelines for Swimming Pool, Province of Nova Scotia, 1987 or the most recent version. A copy of this document can be obtained by contacting the Nova Scotia Environment and Labour.
- .2 Guidelines for monitoring Public Drinking Water Supplies, Nova Scotia Environment and Labour, December 12, 2005 or the most recent version. A copy of the manual can be found at:

[http://www.gov.ns.ca/nse/water/docs/Guidelines\\_for\\_Monitoring\\_Public\\_Drinking\\_Water\\_Supplies.pdf](http://www.gov.ns.ca/nse/water/docs/Guidelines_for_Monitoring_Public_Drinking_Water_Supplies.pdf)

Pseudomonas aeruginosa
Staphylococcus aureus
Total Coliforms
Escherichia Coli
Total Chlorine

**Media: OILY WASTEWATER TREATMENT PLANT EFFLUENT**

All analytical results are to be listed and compared to the Halifax Regional Municipality By-law – W-101. A copy of the by-law can be found at:

<http://www.halifax.ca/legislation/bylaws/hrm/documents/By-LawW-101.pdf>

Analytical Package	Individual parameters within the package (as a minimum)
<b>TPH/BTEX</b>	Benzene Toluene EthylBenzene Total Xylene ( <u>do not report as o-xylene and mp-xylene</u> ) C6 - C10 (less BTEX) >C10-C21 Hydrocarbons >C21-<C32 Hydrocarbons Total Petroleum Hydrocarbons Modified Petroleum Hydrocarbons
<b>MTBE</b>	If requested, will be requested in conjunction with BTEX/TPH
<b>TPH Fractionation</b>	If requested, will be requested in conjunction with BTEX/TPH
<b>MOG + TOG</b>	MOG (Mineral Oil and Grease) TOG (Total Oil and Grease)

<b>Media: SOIL, SEDIMENT, EFFLUENT, AND NON-POTABLE WATER</b>	
<b>Analytical Package</b>	<b>Individual parameters within the package (as a minimum)</b>
<b>Metals</b>	Aluminum Antimony Arsenic Barium Beryllium Bismuth Boron Bromate Cadmium Calcium Chromium Cobalt Copper Fluoride Iron. Lead Lithium Manganese Magnesium Mercury Molybdenum Nickel Phosphorus Potassium Rubidium Selenium Silicon Silver Sodium Strontium Sulphur

Analytical Package	Individual parameters within the package (as a minimum)
<p><b>Metals(Cont'd)</b></p>	<p>Tellurium            Thallium            Tin            Titanium            Uranium            Vanadium            Zinc</p>
<p><b>Volatile Organic Compounds</b></p>	<p>Benzene            Bromodichloromethane            Bromoform            Carbon Tetrachloride            Chlorobenzene            Chloroform            cis-1,3-Dichloropropene            Dibromochloromethane            1,1 – Dichloroethene            1,2 – Dichloroethene            Dichloromethane            Ethylbenzene            1,1,2,2-Tetrachloroethane            Tetrachloroethylene            1,1,1-Trichloroethane            Trichloroethene            Toluene            trans 1,2-Dichloroethene            trans 1,3-Dichloropropene            1,1,2-Trichloroethane            Trichlorofluoromethane            1,2 – Dichloropropane            Bromomethane            Chloroethane            Chloromethane            1,2 – Dichlorobenzene            1,3 – Dichlorobenzene</p>

Analytical Package	Individual parameters within the package (as a minimum)
<p><b>Volatile Organic Compounds(Cont'd)</b></p>	<p>1,4 – Dichlorobenzene            1,1 – Dichloroethene            1,2 – Dibromoethane            cis – 1,2 Dichloroethene            mp – Xylenes            Vinyl Chloride            o – Xylene            Styrene</p>
<p><b>TPH/BTEX</b></p>	<p>Total Petroleum Hydrocarbons            Benzene            Toluene            EthylBenzene            Total Xylene (do not report as o-xylene and mp-xylene)</p> <p><b>Note:</b> Must be able to provide results comparable to the Atlantic PIRI Risked Based Corrective Action, most recent version, in addition to HC CDWQG.</p>
<p><b>TPH Fractionation</b></p>	
<p><b>PHC</b></p> <p><b>Polycyclic Aromatic Hydrocarbons</b></p>	<p>Petroleum Hydrocarbons – Canada Wide Standards Method</p> <p>Acenaphthylene            Acenaphthene            Acridine            Anthracene            Benzo(a)anthracene            Benzo(a)pyrene            Benzo (b) fluoranthene            Benzo(e)pyrene            Benzo (k) fluoranthene            Benzo (ghi) perylene            Chrysene            Dibenz(a,h)anthracene            Fluoranthene            Fluorene            Indeno(1,2,3)pyrene</p>

Analytical Package	Individual parameters within the package (as a minimum)
<p><b>Polycyclic Aromatic Hydrocarbons(Cont'd)</b></p>	<p>Naphthalene            Perylene            Phenanthrene            Pyrene,            Quinoline            1-Methylnaphthalene            2-Methylnaphthalene</p>
<p><b>Pesticides</b></p>	<p>Aldrin            Alpha-BHC            Alpha Chlordane            Beta-BHC            Delta-BHC            Dieldrin            Endosulfan I            Endosulfan II            Endosulfan Sulfate            Endrin            Endrin Aldehyde            Endrin Ketone            Gamma-BHC            Gamma Chlordane            Heptachlor            Heptachlor epoxide            Hexachlorobenzene            Methoxychlor            Mirex            o,p-DDD            o,p-DDE            o,p-DDT            p,p-DDD            p,p-DDE            p,p-DDT</p>

Analytical Package	Individual parameters within the package (as a minimum)
PCB(Total)	
Glycol(Total)	
Ethylene Glycol	
Propylene Glycol	
Diethylene Glycol	
MTBE	If requested, will be requested in conjunction with BTEX/TPH.
Hexavalent Chromium	
Trivalent Chromium	
Methylmercury	
Radiological Parameters	gross-alpha gross beta
Cyanide	
Tributhyl Tin	
Phenol (individual)	
Total Phenolics (aggregate)	
MOG (Mineral, Oil and Grease)	
TOG (Total Oil and Grease)	

Media: SPECIFIC TO SOIL	
Grain Size Analyses	Size range: 12.5, 9.5, 4.75, 2, 1, 1/2, 1/4, 1/8, 1/16, 1/32, 1/64, 1/128, 1/256, 1/512 (all less than, mm); Gravel; Sand; Silt; Clay
Petroleum Degrading Bacteria	
Fraction Organic Carbon	
Total Organic Carbon	
pH	
Nitrate	
Nitrate as N	
Nitrate and Nitrite	



<b>Media: HAZARDOUS MATERIALS (I. E. BUILDING MATERIALS)</b>	
Asbestos	
Lead Paint	
Lead Paint Leachate	
Mercury in Paint	
Mercury Leachate	
PCB in Paint	

<b>Media: AIR</b>	
Asbestos	Including fibre count
Mould	Species
TPH/BTEX	
NOx	
VOC in Air	
Total Dust	Respirable + Non-respirable
Particulate	Total Particulate Matter (TPM)
Dioxin and Furans	
Petroleum Hydrocarbon Mass Fractions	
Petroleum Hydrocarbon Molecular Weight Determination	

<b>Media: OIL</b>	
Product Characterization	Viscosity, Density, Fraction, Resemblance
Viscosity	
Resemblance	e.g. jet fuel, diesel, avgas, etc.
Density	
Fraction	
PCBs	

Lead	
<b>Media: TISSUE (FLORA and FAUNA)</b>	
<b>E Coli</b>	
<b>Hexavalent Chromium</b>	
<b>Methylmercury</b>	
<b>PCB (Total)</b>	
<b>Metals</b>	Aluminum Antimony Arsenic Barium Beryllium Bismuth Boron Bromate Cadmium Calcium Chromium Cobalt Copper Fluoride Iron Lead Lithium Manganese Magnesium Mercury Molybdenum Nickel Phosphorus Potassium Rubidium Selenium Silicon Silver Sulphur

<p><b>Metals (Cont'd)</b></p>	<p>Tellurium          Thallium          Tin          Titanium          Uranium          Vanadium          Zinc</p>
<p><b>Pesticides</b></p>	<p>Aldrin          Alpha-BHC          Alpha Chlordane          Beta-BHC          Delta-BHC          Dieldrin          Endosulfan I          Endosulfan II          Endosulfan Sulfate          Endrin          Endrin Aldehyde          Endrin Ketone          Gamma-BHC          Gamma Chlordane          Heptachlor          Heptachlor epoxide          Hexachlorobenzene          Methoxychlor          Mirex          o,p-DDD          o,p-DDE          o,p-DDT          p,p-DDD          p,p,-DDE          p,p-DDT</p>
<p><b>TEH</b></p>	<p>Total Extractable Hydrocarbons</p>

<p><b>Polycyclic Aromatic Hydrocarbons</b></p>	<p>Acendphtylene Acendphtthene Acridine Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo (b) fluoranthene Benzo(e)pyrene Benzo (k) fluoranthene Benzo (ghi) perylene Chrysene Dibenz(a,h)anthracene Fluoranthene Fluorene Indeno(1,2,3) pyrene Naphthalene Perylene Phenanthrene Pyrene, Quinoline 1-Methylnaphthalene 2-Methylnaphthalene</p>
<p><b>Volatile Organic Compounds</b></p>	<p>Benzene Bromodichloromethane Bromoform Carbon Tetrachloride Chlorobenzene Chloroform cis-1,3-Dichloropropene Dibromochloromethane 1,1 – Dichloroethene 1,2 – Dichloroethene Dichloromethane Ethylbenzene 1,1,1,2,2-Tetrachloroethane</p>

<b>Volatile Organic Compounds (Cont'd)</b>	
Tetrachloroethylene	
1,1,1-Trichloroethane	
Trichloroethene	
Toluene	
trans 1,2-Dichloroethene	
trans 1,3-Dichloropropene	
1,1,2-Trichloroethane	
Trichlorofluoromethane	
1,2 - Dichloropropane	
Bromomethane	
Chloroethane	
Chloromethane	
1,2 - Dichlorobenzene	
1,3 - Dichlorobenzene	
1,4 - Dichlorobenzene	
1,1 - Dichloroethene	
1,2 - Dibromoethane	
cis - 1,2 Dichloroethene	
mp - Xylenes	
Vinyl Chloride	
o - Xylene	
Styrene	

**Annex B – Basis of Payment**  
**Suppliers MUST submit their Price Proposal in accordance**  
**with below Tables**

**CFB Halifax HMC Dockyard Water Fuel Environment (WFE) Lab**

Table 1

Water Sample Analysis (per Analytical Package)	<u>Year 1</u>		<u>Year 2</u>		<u>Year 3</u>	
	Analysis Price per Sample		Analysis Price per Sample		Analysis Price per Sample	
POTABLE WATER	<u>Routine</u> Sampling Analysis	<u>Emergency</u> Sampling Analysis	<u>Routine</u> Sampling Analysis	<u>Emergency</u> Sampling Analysis	<u>Routine</u> Sampling Analysis	<u>Emergency</u> Sampling Analysis
Primary Radionuclides (Bq/L) checked	\$	\$	\$	\$	\$	\$
Secondary Radionuclides (Bq/L) checked	\$	\$	\$	\$	\$	\$
Total Metals	\$	\$	\$	\$	\$	\$
General Chemistry (RCAP)	\$	\$	\$	\$	\$	\$
RCAP-MS Total Metals	\$	\$	\$	\$	\$	\$
Elements (ICP-MS)	\$	\$	\$	\$	\$	\$
Elements (ICP-OES)	\$	\$	\$	\$	\$	\$
Volatile Organic Compounds	\$	\$	\$	\$	\$	\$
Semi-Volatiles	\$	\$	\$	\$	\$	\$
TPH/BTEX	\$	\$	\$	\$	\$	\$
Pesticides	\$	\$	\$	\$	\$	\$
Diuron, Guthion, Temephos	\$	\$	\$	\$	\$	\$
Diquat/Paraquat	\$	\$	\$	\$	\$	\$
Glycols	\$	\$	\$	\$	\$	\$
Polycyclic Aromatic Hydrocarbons	\$	\$	\$	\$	\$	\$
Bacteriological	\$	\$	\$	\$	\$	\$
Individual Potable Water Analysis/Parameters/Packages	\$	\$	\$	\$	\$	\$
<b>TREATED SEWAGE WATER</b>						
all chemicals sample testing	\$	\$	\$	\$	\$	\$
<b>SWIMMING POOL WATER</b>						
all chemicals sample testing	\$	\$	\$	\$	\$	\$
<b>OILY WASTEWATER TREATMENT PLANT EFFLUENT</b>						
TPH/BTEX	\$	\$	\$	\$	\$	\$
MTBE	\$	\$	\$	\$	\$	\$
TPH Fractionation	\$	\$	\$	\$	\$	\$
MOG + TOG	\$	\$	\$	\$	\$	\$
<b>Total Price Per Year (Routine Sample Analysis)</b>	\$ _____ for Year 1		\$ _____ for Year 2		\$ _____ for Year 3	
<b>Total Price Per Year (Emergency Sample Analysis)</b>	\$ _____ for Year 1		\$ _____ for Year 2		\$ _____ for Year 3	

**Table 2**

	<u><b>Year 1</b></u>	<u><b>Year 2</b></u>	<u><b>Year 3</b></u>
	<b>Analysis Price per Sample</b>	<b>Analysis Price per Sample</b>	<b>Analysis Price per Sample</b>
<b>SOIL, SEDIMENT, EFFLUENT, AND NON-POTABLE WATER</b>	<u>Emergency price only</u> Sampling Analysis (Price per sample)	<u>Emergency price only</u> Sampling Analysis (Price per sample)	<u>Emergency price only</u> Sampling Analysis (Price per sample)
Metals	\$	\$	\$
Volatile Organic Compounds	\$	\$	\$
TPH/BTEX	\$	\$	\$
TPH Fractionation	\$	\$	\$
PHC	\$	\$	\$
Polycyclic Aromatic Hydrocarbons	\$	\$	\$
Pesticides	\$	\$	\$
PCB (Total)	\$	\$	\$
Glycol (Total)	\$	\$	\$
Ethylene Glycol	\$	\$	\$
Propylene Glycol	\$	\$	\$
Diethylene Glycol	\$	\$	\$
MTBE	\$	\$	\$
Hexavalent Chromium	\$	\$	\$
Trivalent Chromium	\$	\$	\$
Methylmercury	\$	\$	\$
Cyanide	\$	\$	\$
Tributyl Tin	\$	\$	\$
Phenol (individual)	\$	\$	\$
Total Phenolics (aggregate)	\$	\$	\$
MOG (Mineral, Oil and Grease)	\$	\$	\$
TOG (Total Oil and Grease)	\$	\$	\$
<b>SPECIFIC TO SOIL</b>			
all chemicals sample testing	\$	\$	\$
<b>SPECIFIC TO NON-POTABLE WATER</b>			
General Chemistry	\$	\$	\$
BOG (Biochemical Oxygen Demand)	\$	\$	\$
COD (Chemical Oxygen Demand)	\$	\$	\$
Fecal Coliform	\$	\$	\$
TKN (Total Kjeldahl Nitrogen)	\$	\$	\$
<b>HAZARDOUS MATERIALS (i.e. BUILDING MATERIALS)</b>			
Asbestos	\$	\$	\$
Lead Paint	\$	\$	\$
Lead Paint Leachate	\$	\$	\$
Mercury in Paint	\$	\$	\$
Mercury Leachate	\$	\$	\$
PCB in Paint	\$	\$	\$
<b>AIR</b>			
Asbestos	\$	\$	\$
Mould	\$	\$	\$
TPH/BTEX	\$	\$	\$

NOx	\$	\$	\$
VOC in Air	\$	\$	\$
Total Dust (Respirable + Non-respirable)	\$	\$	\$
Particulate (Total Particulate Matter (TPM))	\$	\$	\$
Dioxin and Furans	\$	\$	\$
Petroleum Hydrocarbon Mass Fractions	\$	\$	\$
Petroleum Hydrocarbon Molecular Weight Determination	\$	\$	\$
<b>OIL</b>			
all chemical samples testing	\$	\$	\$
<b>TISSUE (FLORA and FAUNA)</b>			
E Coli	\$	\$	\$
Hexavalent Chromium	\$	\$	\$
Methylmercury	\$	\$	\$
PCB – Total Metals	\$	\$	\$
Pesticides	\$	\$	\$
TEH	\$	\$	\$
Polycyclic Aromatic Hydrocarbons	\$	\$	\$
Volatile Organic Compounds	\$	\$	\$
<b>TOTAL Price Per Year (Emergency sample analysis only)</b>	\$ _____ Year 1	\$ _____ Year 2	\$ _____ Year 3

### CFB Halifax Health Services Centre (Atlantic) Preventive Medicine

Table 3

	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>
<b>Bulk Sample Test (Routine Sampling Analysis)</b>	<b>Analysis Price per Sample</b>	<b>Analysis Price per Sample</b>	<b>Analysis Price per Sample</b>
1. Lead	\$	\$	\$
2. Mercury	\$	\$	\$
3. Asbestos	\$	\$	\$
4. Polychlorinated biphenyls (PCB)	\$	\$	\$
5. Volatile organic compounds (VOCs)	\$	\$	\$
6. Benzene	\$	\$	\$
7. Isocyanates	\$	\$	\$
8. Cadmium	\$	\$	\$
9. Chromium	\$	\$	\$
10. Methylene	\$	\$	\$
11. Chloride	\$	\$	\$
12. Beryllium	\$	\$	\$
13. Oil mist	\$	\$	\$
14. Mould	\$	\$	\$
15. Radon	\$	\$	\$
<b>TOTAL Price Per Year (Routine Sample analysis only)</b>	\$ _____	\$ _____	\$ _____

**NOTE:** A Bulk Sample is a solid quantity of insulation, floor tile, building material, etc. suspected of containing hazardous chemicals/agents that will be analyzed for content and quantity. Approximately 70 buildings will require testing over the 3 year period.

**Table 4**

	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>
<b>Air Sample Test (Routine Sampling Analysis)</b>	<b>Testing - Price per Sample</b>	<b>Testing - Price per Sample</b>	<b>Price per sample test</b>
1. Lead	\$	\$	\$
2. Mercury	\$	\$	\$
3. Asbestos	\$	\$	\$
4. Polychlorinated biphenyls (PCB)	\$	\$	\$
5. Volatile organic compounds (VOCs)	\$	\$	\$
6. Benzene	\$	\$	\$
7. Isocyanates	\$	\$	\$
8. Cadmium	\$	\$	\$
9. Chromium	\$	\$	\$
10. Methylene	\$	\$	\$
11. Chloride	\$	\$	\$
12. Beryllium	\$	\$	\$
13. Oil mist	\$	\$	\$
14. Mould	\$	\$	\$
15. Radon	\$	\$	\$
<b>TOTAL Price per year (sum of per sample testing)</b>	\$ _____	\$ _____	\$ _____

**MISCELLANEOUS ITEMS:**

Miscellaneous, similar or related items not listed above at the time of the issuance of the standing offer may be added to the standing offer, if the estimated aggregate value of all items does not exceed 15% of the overall value of the standing offer.

**For Financial Evaluation purposes only, the sum of each year will be used to calculate each Offeror's pricing, to determine the lowest priced proposal.**

**Total Sum of price for samples – Per Year for all 4 Tables**

Year 1

Year 2

Year 3

\$ \_\_\_\_\_

\$ \_\_\_\_\_

\$ \_\_\_\_\_

**Grand Total Cost for all 3 Years \$ \_\_\_\_\_ + HST (15%)**

Applicable taxes are to be listed separately.

RFSO Solicitation # W010C-15C234/A  
Request for Standing Offer for Lab Analysis Services

# **ANNEX C**

## **PERIODIC USAGE REPORTS**



