
Solicitation Amendment

Title Laboratory Testing Services

Solicitation Amendment No. **002**

This solicitation is hereby amended to provide the following questions and answers:

Q1. Annex B, Basis of Payment, Item #5 Metals Analysis: Please confirm that EPA 6020A is an acceptable method for the analysis of metals samples.

A1. Yes. Digestion for soils according to EPA Method 3050B.

Q2. Annex B, Basis of Payment, Item # 9 Total Volatile Hydrocarbons in Air: Please specify the media that will be used for sampling.

A2. Charcoal tubes.

Q3. Annex B, Basis of Payment, Item #31 Leachability and Paint: Please confirm that only lead analysis will be required from the leachate.

A3. Normally only lead. Base price on this. Other elements (ie Cr, Hg etc) may be requested as required.

Q4. Annex B, Basis of Payment, Item #34 Calcium or Silicate Sludge: Please elaborate on the testing requirement.

A4. Number 34, Calcium and Silicate Sludge on pricing page will not be required.

Q5. Annex B, Basis of Payment, Item #35 Calcium or Silicate Wet: Please elaborate on the testing requirement.

A5. Number 35, Calcium and Silicate wet on pricing page will not be required.

Q6. Division 1 – General Requirements of Document L-G-2-9900/1592 provides details on required sampling equipment. Is it a requirement that the laboratory be able to visit the site to collect samples?

A6. Yes. At CFB Gagetown we require a lot of asbestos and mold remediations. With this we require post remediation clearance air tests. If you refer to Numbers 12-13A of the pricing page in Annex B you will see that we have asked for hourly rates for technicians for site visits for air

testing. This is a requirement not an additional service as you term it. Most of the time with samples we will transport them to the lab.

Q7. If the answer to question 6 is yes, there is a very limited number of laboratories able to fulfill this requirement within Atlantic Canada. Is it the intention of PWGSC to split this work into smaller portions so that all labs are able to bid? Will bids be accepted from laboratories not offering this additional service?

A7. PWGSC has determined that it would not be cost effective to the Crown to split this work into smaller portions. Bids cannot be accepted from laboratories not offering the required site visits.

AND

- (1) Reference: **Page 20 of 23, Annex B, Basis of Payment - Analysis Type**
DELETE Annex B in its entirety; and
INSERT Annex B (**Revised November 8, 2012**) attached to reflect removal of two tests as indicated above the addition of one test.
- (2) Reference: **Annex C, Supply and Analysis of Metal Test Coupons**
INSERT Annex C, Supply and Analysis of Metal Test Coupons (attached).

If your bid has already been forwarded and you wish to revise same, this revision should be sent either in a sealed envelope and mailed to the above address or by facsimile (506) 851-6759 and reach the undersigned before the appropriate closing date. The solicitation number and the closing date are to be shown on the outside of the sealed envelope or on the facsimile transmission.

All other terms and conditions of the solicitation document remain unchanged remain unchanged.

All enquiries concerning this amendment are to be forwarded to:

Name Charlene Sharpe
Telephone No.: (506) 851-3467
Facsimile No: (506) 851-6759

(Derived from - Provenant de: XNB025D, 23/01/2008)

Annex *B*
 Job No. L-G2-9900/1592

ANNEX B

BASIS OF PAYMENT - ANALYSIS TYPE

(Revised November 8, 2012)

ITEM NO	DESCRIPTION	UNIT ISSUE	EST USAGE	UNIT COST	TOTAL	ANALYSIS LOCATION
1	Biological Oxygen Demand (BOD5)	Test	5			
2	General Chemistry	Test	5			
3	Analysis - EPA 624 MATRIX - Soil and Water (Chlorinated Aliphatics & Benzines)	Test	10			
4	Analysis - EPA 625 MATRIX - Soil and Water (Chlorinated benzenes & phtalat Esters & PCB's)	Test	10			
5	Analysis - Metals MATRIX – Soil and Water EPA 200.8 (Trace Metals and Mercury) Including Drying, Pulverizing and Digesting	Test	50			
6	Analysis - Pesticides/Herbicides MATRIX - Soil and Water Phenoxy Herbicides (Bush Control Products)	Test	5			
7	Analysis - Pesticides/Herbicides MATRIX - Soil and Water Organochlorine Pesticides	Test	5			
8	Analysis - Pesticides/Herbicides MATRIX - Soil and Water Organophorous	Test	5			
9	Analysis - TVHC MATRIX – Air (Total Volatile Hydrocarbons)	Test	25			
10	Microbial ID From AGAR Strip or Swab	Test	50			

ITEM NO	DESCRIPTION	UNIT ISSUE	EST USAGE	UNIT COST	TOTAL	ANALYSIS LOCATION
	<u>ASBESTOS TESTING</u>					
11	Asbestos Testing (1-4 Samples) (5 or more tests - \$ _____ ea) test	Test	150			
	<u>AIR QUALITY TESTING</u>					
12	Asbestos Fiber Air Test	Test	25			
12 A	Air Test for Mould	Test	25			
12 B	Breathable Air sample analysis	Test	10			
13	Price First hour for Technician for collection of samples if required	Hour	25			
13A	Price per hour for Technician for collection of samples after first hour if required	Hour	50			
	<u>SOIL CONTAMINANT/WATER QUALITY</u> Note: Items 14 through 32 to include soil cost and/or water cost as applicable. Evaluation based on pricing for 1 to 5 samples					
14	Drying if required (1 to 5 samples) (5 or more samples \$ _____ ea)	Test	10			
15	Pulverizing (if required) 1 to 5 samples (5 or more samples \$ _____ ea)	Test	20			
16	Decomposition (1 to 5 samples) (5 or more samples \$ _____ ea)	Each	10			
17	Sample Disposal Fee or Cleaning of Balers	Each	100			
18	Analysis for Total Dissolved Solids	Each	5			
19	Analysis for Total Suspended Solids	Each	5			
20	Analysis for Coliform (Total, Faecal, E.Coli)	Test	25			
21	Analysis for Particle Size	Each	10			
22	Analysis for Total Organic Carbon	Each	10			
23	Dioxins and Furans (1 to 5 samples) (5 or more samples \$ _____ ea)	Each	5			
24	Chlorophenols (1 to 5 samples) (5 or more samples \$ _____ ea)	Each	10			

ITEM NO	DESCRIPTION	UNIT ISSUE	EST USAGE	UNIT COST	TOTAL	ANALYSIS LOCATION
25	EPA Priority Pollutants Base/Neutral Acid Extractables Complete EPA 625 (1 to 5 samples) (5 or more samples \$ _____ ea)	Each	1			
26	PCBs (1 to 5 samples) (5 or more samples \$ _____ ea)	Each	10			
27	Chlorinated Pesticides (1 to 5 samples) (5 or more samples \$ _____ ea)	Each	5			
28	PAH (Poly Aromatic Hydrocarbons) (1 to 5 samples) (5 or more samples \$ _____ ea)	Each	5			
29	Hydrocarbons GC/MS Extraction GC/MS Alberta Must , BTEX and / or TPH Soil & Water) (1 to 5 samples) (5 or more samples \$ _____ ea)	Each	5			
30	Total Lead in Paint	Each	25			
31	Leachability and Paint, EPA 1311	Each	25			
32	Analysis Diethylene Glycol Monobutyl Ether (Fire Fighting Foam)	Each	5			
33	Offerer's Markup on unspecified Material at _____ %		Allowance \$3,000			
34	Total Organic/Inorganic Carbon	Each	2			
35	PH in solids	Each	2			
36	Phosphate Injection Coupon Testing Analysis Note: Refer to Annex B	Each	2			
	Total Bid Price					

NOTE: .1 This is not an exhaustive list, other test may be required and a quote will be obtained at time of request.

.2 The above quantities are estimated for bidding purposes only. These quantities may be increased or decreased and are to be used by the Contractor as a guide only. The quantities are not guaranteed and the Contractor will have no claim for loss of anticipated profits as a result of these estimated quantities

Annex C
Job No. L-G2-9900/1592

Supply and Analysis of Metal Test Coupons

Description of Work:

Contracting Laboratory is to supply three (3) of each of the follow metal test coupons:

Mild Steel
Copper
Lead

The coupons will be approximately 9.5mm x 75mm x 1.5mm (3/8" x 3" x 1/16") in size. The mass of each coupon is to be recorded at the laboratory and each coupon is to be made identifiable for analysis when returned after exposure to the distribution system water flow for approximately 180 days. Identification must indicate location of test rack, i.e. Water Treatment Plant (WTP), Waste Water Treatment Plant (WWTP) and Theatre (T). Water Treatment Plant coupons will be exposed to untreated water, the other locations are treated water.

Analysis will include mass lost as an indication of corrosion and extent of pitting in each material at each location. A report that details the extent of each type of corrosion is to be provided that suggests the efficacy of the zinc orthophosphate program with recommendations of changes to the initial concentration of chemical injected at the Water Treatment Plant to maximize protection of inner pipe surfaces.

Coupons will be picked up and delivered back to the laboratory by CFB Gagetown Water Treatment Plant personnel.

All analysis to be done to ASTM standards for corrosion analysis.