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Bid Receiving Public Works and Government
Services Canada/Réception des soumissions Travaux
publics et Services gouvernementaux Canada
Pacific Region

Revision to a Request for a Standing Offer

Révision à une demande d'offre à commandes

Regional Individual Standing Offer (RISO)

Offre à commandes individuelle régionale (OCIR)

The referenced document is hereby revised; unless
otherwise indicated, all other terms and conditions of
the Offer remain the same.

Ce document est par la présente révisé; sauf
indication contraire, les modalités de l'offre demeurent
les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address

**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution

Public Works and Government Services Canada -
Pacific Region
401 - 1230 Government Street
Victoria, B. C.
V8W 3X4

Title - Sujet RISO - Laboratory Analytical Serv	
Solicitation No. - N° de l'invitation W684Q-210160/A	Date 2021-03-10
Client Reference No. - N° de référence du client W684Q-210160	Amendment No. - N° modif. 001
File No. - N° de dossier VIC-0-43119 (239)	CCC No./N° CCC - FMS No./N° VME
GETS Reference No. - N° de référence de SEAG PW-\$VIC-239-8185	
Date of Original Request for Standing Offer Date de la demande de l'offre à commandes originale 2021-02-25	
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Pacific Daylight Saving Time PDT on - le 2021-03-18 Heure Avancée du Pacifique HAP	
Address Enquiries to: - Adresser toutes questions à: Large, Kathy	Buyer Id - Id de l'acheteur vic239
Telephone No. - N° de téléphone (250) 216-4455 ()	FAX No. - N° de FAX () -
Delivery Required - Livraison exigée	
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	
Security - Sécurité This revision does not change the security requirements of the Offer. Cette révision ne change pas les besoins en matière de sécurité de la présente offre.	

Instructions: See Herein

Instructions: Voir aux présentes

Acknowledgement copy required Accusé de réception requis	Yes - Oui <input type="checkbox"/>	No - Non <input type="checkbox"/>
The Offeror hereby acknowledges this revision to its Offer. Le proposant constate, par la présente, cette révision à son offre.		
Signature	Date	
Name and title of person authorized to sign on behalf of offeror. (type or print) Nom et titre de la personne autorisée à signer au nom du proposant. (taper ou écrire en caractères d'imprimerie)		
For the Minister - Pour le Ministre		

Amendment #1

This amendment is being issued to update the closing date, to answer bidder questions, and to update the accreditation requirements.

Bidders Questions and Answers:

1. Is there a weighting for the technical and financial offers?
Answer: No.
2. As per Table A1.1 of Annex 1, can you please confirm the units for VOC detection limits and/or provide the source for these limits?
Answer: See header of Table A1.1 which indicates : Analytes - Standard (soil/sediment) mg/kg - Standard (water) mg/l.
3. We understand that SCC or CALA certification has been listed. Would ISO17025 accreditation granted by a different accrediting body also meet this requirement?
Answer: See update in Annex A1, Table A1.1 below.
4. As per Table A1.1, is the intention to run total or free Chlorine in laboratory? If yes, please confirm the parameter needed.
Answer: No. See Table A2.2
5. As per Table A1.3 of Annex 1, metals in water was not specified; can you clarify if metals are total or dissolved?
Answer: Both in mg/l

Revision 001

On Page 1,

Remove:

"Solicitation Closes - L'invitation prend fin
at - à 02:00 PM
on - le 2021-03-15"
and
"Time Zone
Fuseau horaire
Pacific Standard Time PST"; and

Insert:

"Solicitation Closes - L'invitation prend fin
at - à 02:00 PM
on - le 2021-03-18"

Solicitation No. - N° de l'invitation
W684Q-210160/A
Client Ref. No. - N° de réf. du client

Amd. No. - N° de la modif.
001
File No. - N° du dossier

Buyer ID - Id de l'acheteur
VIC239
CCC No./N° CCC - FMS No./N° VME

and
"Time Zone
Fuseau horaire
Pacific Daylight Saving Time PDT”.

Revision 002

Remove: Annex A1;

Insert: As Below;

ANNEX A1 - DETECTION LIMITS THAT THE LAB MUST MEET OR EXCEED:

The following are the lists/requirements of detection limits that all labs (and/or affiliates) must meet or exceed. If there is a discrepancy between the list below and the regulation or bylaw, then the regulation or bylaw will take precedence.

Table A1.1 General Soil and Water Detection Limits

Analytes	Standard (soil/sediment) mg/kg	Standard (water) mg/l
Metals*		
Aluminum		0.005
Antimony	20	0.02
Arsenic	5.9	0.005
Barium	500	0.05
Beryllium	4	0.053
Boron	2	5
Cadmium	0.6	0.000017
Chromium	37.3	0.015
Cobalt	40	0.01
Copper	18.7	0.002
Iron		0.05
Lead	30.2	0.001
Maganese		0.1
Mercury	0.13	0.0001
Molybdenum	5	0.073
Nickel	50	0.0083
Selenium	2	0.001
Silver	20	0.001
Thallium	1	0.0008
Tin	5	0.01
Uranium		0.1
Vanadium	130	0.01
Zinc	124	0.01
Organics		
BTEX		mg/l
Benzene	0.05	0.1#
Toluene	0.1	0.025#
Ethyl benzene	0.1	0.002#
Xylene (o, m, p)	0.1	0.0005#
Extractable Petroleum Hydrocarbons (EPH)*		mg/l
LEPH	1000	0.5
HEPH	100	0.5

Polynuclear Aromatic Hydrocarbons (PAH)*	mg/kg	mg/l
Acenaphthene	0.15	0.0058
Acenaphthylene		
Acridine	1	0.0005
Anthracene	0.6	0.000012
Benzo(a)anthracene	0.1	0.000018
Benzo(a)pyrene	0.06	0.00001
Benzo(b)fluoranthene	0.1	0.00001
Benzo(k)fluoranthene	0.1	0.00001
Chrysene	0.2	0.0001
Dibenz(a,h)anthracene	0.1	0.00001
Fluoranthene	2	0.00004
Fluorene	0.2	0.003
Indeno(1, 2, 3-cd)pyrene	0.1	
Naphthalene	0.1	0.001
2-Methylnaphthalene	20.2	
Phenanthrene	0.04	0.0002
Pyrene	0.1	0.000025
Quinoline		0.0034
Volatile Petroleum Hydrocarbons (VPH)		
VHw 6-10	200	15
VPHw 6-10	200	1.5
Volatile Organic Compounds (VOC)		ug/l
Carbon Tetrachloride	5	0.1
Chlorobenzene		0.1
Chloroform	5	0.1
1,2-Dichlorobenzene		0.2
1,3-Dichlorobenzene		0.2
1,4-Dichlorobenzene		0.2
1,1-Dichloroethane	5	0.1
1,2-Dichloroethane	5	0.1
1,1-Dichloroethene	5	0.1
1,2-Dichloropropane		0.1
Hexachlorobutadiene		1.3
Methylene Chloride	5	98.1
1,1,2,2-Tetrachloroethane	5	0.1
Tetrachloroethene		0.1
1,2,3-Trichlorobenzene		8
1,2,4-Trichlorobenzene		5.4
1,1,1-Trichloroethane	5	0.1

1,1,2-Trichloroethane		
Trichloroethene		21
Other Organics		mg/l
Organic Halogens		1
Phenols	3.8	0.2#
Chlorinated Phenols		0.006
Pentachlorophenol	7.6	
Total Oil and Grease		10#
Mineral Oil and Grease		15#
Polychlorinated Biphenyls (PCB)	0.02	0.0000001#
Tributyl Tin (TBT)		0.000001#
Routine/Nutrients		mg/l
Ammonia		2
Biochemical Oxygen Demand (BOD)		20#
Chemical Oxygen Demand (COD)		1000#
Chloride		1500
Chlorine		0.5
Cyanide (SAD)		1#
pH		5.0-11.0#
Sulphate		1000
Sulphide		0.02#
Total Suspended Solids		10#
Microbiological		
Fecal Coliform		1#
Total Coliform		1#
Heterotrophic Plate Count		100#

* - must have SCC-CALA or equivalent certification for both soil/sediment and water

- must have SCC-CALA or equivalent certification for a water matrix

1 Soil/Sediment Samples

1.1 Soil/Sediment

Analyses of parameters presented in the most current versions of the:

a) BC Hazardous Waste Regulation and the US EPA method #1311 for Toxic Characteristic Leaching Procedure (TCPL); and

b) Transportation of Dangerous Goods Regulations.

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

Analytical methods specified in the price proposal must have detection limits for specific parameters below the most stringent of the above standards/guidelines.

2 Water Samples

2.1 Sanitary Sewer Discharge

Analyses of inorganic and organic parameter presented in the most current version of the:

- a) Capital Regional District By-law 2922: A Bylaw to regulate the Discharge of Waste into Sewers Connected to a Sewage Facility Operated by the Capital Regional District.
- b) BC Environmental Management Act, Hazardous Waste Regulation (B.C. Reg 243/2016) schedule 1.2 Effluent Standards for Hazardous Waste Facilities. The lower limits for effluent treatment facilities have been summarized below.

Table A1.2 FMF (CB) Electroplating Shop Treatment Facility Liquid Effluent Discharge Requirements

Parameter	Concentration (mg/L unless otherwise stated)
Benzene	0.1
Ethylbenzene	0.2
Toluene	0.2
Xylenes	0.2
Total Silver	0.5
Dissolved Aluminum *	2
Dissolved Antimony *	0.5
Total Arsenic	0.4
Dissolved Arsenic *	0.3
Dissolved Boron *	15
Dissolved Barium *	2.5
Total Cadmium	0.3
Dissolved Cadmium *	0.1
Total Cobalt	5
Dissolved Cobalt *	0.3
Total Chromium *	1
Dissolved Chromium (hexavalent) *	0.2
Total Copper	1

Dissolved Copper *	0.3
Total Cyanide	1
Cyanide (weak acid dissociable) *	0.2
Fluoride (dissolved) *	18
Total Iron	50
Total Manganese	5
Dissolved Manganese *	1
Total Molybdenum	5
Dissolved Molybdenum *	1
Total Nickel	3
Dissolved Nickel *	1
Total Lead	1
Dissolved Lead *	0.3
Total Selenium	0.3
Dissolved Selenium *	0.1
Dissolved Tin *	1
Total Zinc	3
Dissolved Zinc *	0.5
Hydrocarbon Oil and Grease	15
Total Oil and Grease *	60
Total PAH's	0.05
Total Suspended Solids	350
Total BOD	500
Total Chloride	1500
Chemical Oxygen Demand	1000
Total Mercury *	0.01
pH, laboratory	5.0 – 11.0
Phenol *	0.5
Dissolved Sulphate	1500
Sulphide	1
Dioxin TEQ (pg/L) *	15
Total Polychlorinated biphenyls *	0.005
Total chlorinated phenol *	0.05
Total organic halogens (as Cl) *	1

* Environmental Management Act, Hazardous Waste Regulation, Effluent Standards for Hazardous Waste Facilities Discharges to Municipal or Industrial Effluent Treatment Works. All other parameters are restricted waste limits as per the CRD Sewer Use Bylaw No. 2922.

2.2 Storm Water Discharge

Analyses of inorganic and organic parameter presented in the most current version of the CCME Environmental Quality Guidelines for the Protection of Aquatic Life, BC Approved Water Quality Guidelines, BC Working Water Quality Guidelines, and Environment Canada as pertaining to storm water discharge. The current lower limits for these guidelines have been summarized below.

Table A1.3 Storm water discharge requirements

Table (a) Discharge Requirements for the Protection of Aquatic Life		
Parameter		Marine Discharge Criteria (µg/L unless otherwise stated)
1,2,4-Trichlorobenzene		54 *
1,2-Dichlorobenzene		42 *
Acenaphthene		6.0 **
Aldicarb		0.15 *
Arsenic		12.5 *
Atrazine		10 ***
Barium		0.5 mg/L ***
Benzene		110 *
Benzo(a)pyrene		0.01 **
Beryllium		100 ***
Cadmium		0.12 *
Carbaryl		5.7 - short term * 0.29 - long term *
Chlorate		5 **
Chlorothalonil		0.36 *
Chlorophenols		See table (c) **
Chlorpyrifos		0.002
Chromium, hexavalent (Cr(VI))		1.5 *
Chromium, trivalent (Cr(III))		56 *
Chrysene		0.1 **
Colour		True Colour The mean absorbance of filtered water samples at 456 nm must not be significantly higher than the seasonally adjusted expected value for the system under consideration. * Apparent Colour The mean percent transmission of white light per metre must not be significantly less than the seasonally adjusted expected value for the system under consideration. *
Copper		3 – maximum ** 2 – 30-day average **
Cyanide (WAD)		1 **

Debris	<p>Floating or Submerged Litter *</p> <p>No solid debris, including floating or drifting materials (such as fishing gear, plastics, metals, rubber, glass, cloth, paper, wood, or other materials) should be introduced (directly or indirectly through human activities) into marine and estuarine waters.</p> <p>Settleable Matter (Residues) *</p> <p>No residues or other solids should be introduced (directly or indirectly through human activities) that may, alone or in combination with other substances, cause any solid, sludge, or emulsion to be deposited on the bottom, intertidal zone, or shorelines of marine and estuarine areas. The natural rate of deposition and characteristics of marine and estuarine settleable sediments and other settleable solids should not be altered.</p>	
Endosulfan		<p>0.09 - short term *</p> <p>0.002 - long term *</p>
Ethylbenzene		25 *
Fluorene		12 **
Fluoride		1500 **
Imidacloprid		0.65 *
Lead		<p>total maximum = 140 **</p> <p>total 30-day average = 2 **</p>
Lindane		N/A
Linuron		N/A
Malathion		0.1 ***
Manganese		100 ***
Mercury		0.016 *
Methyl tertiary-butyl ether (MTBE)		5,000 *
Methylchlorophenoxyacetic acid (4-Chloro-2-methyl phenoxy acetic acid; 2-Methyl-4-chloro phenoxy acetic acid) MCPA		4.2 *
Monochlorobenzene		25 *
Naphthalene		1.4 *
Nickel		<p>4-day average = 8.3 ***</p> <p>1-hour average = 75 ***</p>
Nitrate		16,000*
Nonylphenol and its ethoxylates		0.7 *
Oil and Grease	Effluent should be free of petroleum, animal or vegetable oils (no sheen)	
Perfluorooctane Sulfonate (PFOS)		0.491
Permethrin		0.001 *
Pharmaceutically-active-Compounds (PhACs): 17 α -ethinylestradiol (EE2)		30-day average concentration of 17 α -ethinylestradiol (EE2) in water should not exceed 0.5 ng/L with no single value to exceed 0.75 ng/L (no more than 50% above the guideline value) **

Polychlorinated biphenyls (PCBs)		Total = 0.1 ng/L ** PCB #105 = 0.09 ng/L PCB #169 = 0.06 ng/L PCB #77 = 0.04 ng/L PCB #126 = 0.00025 ng/L
pH		7.0 – 8.7 *
Reactive Chlorine Species (total residual chlorine, combined residual chlorine, total available chlorine, hypochlorous acid, chloramine, combined available chlorine, free residual chlorine, free available chlorine, chlorine produced oxidants)		0.5 *
Silver		Maximum = 30 ** 30-day mean – 1.5 **
Sulphide (as H ₂ S)		2 *** detected by smell in air at 2 ppb and in water at 0.025 to 0.25 µg/L
Total Suspended Sediments (TSS)		clear flow * Maximum increase of 25 mg/L from background levels for any short-term exposure (e.g., 24-h period). Maximum average increase of 5 mg/L from background levels for longer term exposures (e.g., inputs lasting between 24 h and 30 d) high flow * Maximum increase of 25 mg/L from background levels at any time when background levels are between 25 and 250 mg/L. Should not increase more than 10% of background levels when background is ≥ 250 mg/L
Temperature		Human activities should not cause changes in ambient temperature of marine and estuarine water to exceed ±1°C at any time, location, or depth. The natural temperature cycle characteristic of the site should not be altered in amplitude of frequency by human activities. The maximum rate of any human-induced temperature change should not exceed 0.5 °C per hour. *
Tributyltin		0.001 *
Turbidity		clear flow* Maximum increase of 8 NTUs from background levels for a short-term exposure (e.g., 24-h period). Maximum average increase of 2 NTUs from background levels for a longer term exposure (e.g., 30-d period). high flow or turbid waters*

		Maximum increase of 8 NTUs from background levels at any one time when background levels are between 8 and 80 NTUs. Should not increase more than 10% of background levels when background is > 80 NTUs.
Uranium		100 ***
Vanadium		50 ***
Zinc		10 **

N/A = No guideline has yet been developed

* CCME Environmental Quality Guidelines for the Protection of Aquatic Life

** BC Approved Water Quality Guidelines

*** BC Working Water Quality Guidelines

3 Hazardous Materials

3.1 Hazardous Materials

Analyses of parameters presented in the most current version of the:

a) British Columbia Environmental Management Act - Hazardous Waste Regulation, July 8, 2004 including but not limited to Disposal of Oil, Storm and Sanitary Discharges from Special Waste Facilities and the US EPA method #1311 for Toxic Characteristic Leaching Procedure (TCLP);

b) Transportation of Dangerous Goods Regulations.

List of analytes include but are not limited to:

- Asbestos (24 hour turnaround time required)
- Ammonia
- Acidity
- Alkalinity
- AFFF percentage
- Biochemical Oxygen Demand (BOD)
- Chemical Oxygen Demand (COD)
- Chloride
- Hexavalent chromium (Cr+6) – total and dissolved
- Cyanide- total and WAD
- Conductivity
- Total Metals/mercury
- Dissolved metals/mercury
- Nitrite
- Nitrate
- pH
- Phenols – Chlorinated and Nonchlorinated
- Total phosphorous
- Solids - TSS
- Surfactants
- sulphide
- sulphate
- BTEX
- TCLP
- Extractable/Total Petroleum Hydrocarbons (EPH or TPH)

-
- Mineral oil and Grease (MOG)
 - Oil and Grease – Total (TOG)
 - Moisture
 - Flash Point (closed cup)
 - Polychlorinated Biphenyls (PCB)
 - Perflouro-octane suphonate
 - Polycyclic Aromatic Hydrocarbons (PAH)
 - Tributyl Tins (TBT)
 - Volatile Organic Compounds (VOC)
 - Semi-Volatile Organics
 - Pesticides

Characterization of samples of unknown composition that may contain hazardous materials, as identified in the above regulations, is occasionally required.

All other terms and conditions remain unchanged.