

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

**SOLICITATION AMENDMENT**  
**MODIFICATION DE L'INVITATION**

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

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

Comments - Commentaires

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

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

<b>Title - Sujet</b> Marathon, ON - Peninsula Harbour Se	
<b>Solicitation No. - N° de l'invitation</b> EQ754-122968/A	<b>Amendment No. - N° modif.</b> 001
<b>Client Reference No. - N° de référence du client</b> R.024725.001	<b>Date</b> 2012-03-23
<b>GETS Reference No. - N° de référence de SEAG</b>	
<b>File No. - N° de dossier</b> PWL-1-34143 (003)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2012-04-05</b>	
<b>Time Zone</b> Fuseau horaire Eastern Daylight Saving Time EDT	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Dhanna, Sheila	<b>Buyer Id - Id de l'acheteur</b> pw1003
<b>Telephone No. - N° de téléphone</b> (416) 512-5855 ( )	<b>FAX No. - N° de FAX</b> (416) 512-5862
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> Jellicoe Cove Peninsula Harbour Marathon, ON X1X 1X1	

Instructions: See Herein

Instructions: Voir aux présentes

<b>Delivery Required - Livraison exigée</b>	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

Solicitation No. - N° de l'invitation

EQ754-122968/A

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

R.024725.001

Amd. No. - N° de la modif.

001

File No. - N° du dossier

PWL-1-34143

Buyer ID - Id de l'acheteur

pwl003

CCC No./N° CCC - FMS No./N° VME

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**Amendment No. 1**

**Dated: March 23, 2012**

**The following amendment forms part of the contract documents for the Marathon, Ontario. Jellicoe Coce, Peninsula Harbour sediment remediation.**

**Project No: R.024725.001**

**The specifications is amended as follows:**

**Section 35 20 44**

**Clause 2.1.3 Add the sentence, "Sand shall exhibit no odour or contain floatables, as determined by the Departmental Representative."**

**Clause 2.1.4 Delete entirely.**

**Delete Table 1 in it entirety and replace with the Table attached.**

Table 1 – Interim Freshwater Sediment Quality Guidelines (ISQGs; dry weight)

Substances	ISQG
Acenaphthene [See Polycyclic aromatic hydrocarbons (PAHs)]	
Acenaphthylene [See Polycyclic aromatic hydrocarbons (PAHs)]	
Anthracene [See Polycyclic aromatic hydrocarbons (PAHs)]	
Aroclor 1254 [See Polychlorinated biphenyls (PCBs)]	
Arsenic	5.9 mg·kg <sup>-1</sup>
Benz(a)anthracene [See polycyclic aromatic hydrocarbons (PAHs)]	
Benzo(a)pyrene [See Polycyclic aromatic hydrocarbons (PAHs)]	
Cadmium	0.6 mg·kg <sup>-1</sup>
Chlordane	4.50 µg·kg <sup>-1</sup>
Chromium	37 3 50 mg·kg <sup>-1</sup>
Chrysene [See Polycyclic aromatic hydrocarbons (PAHs)]	
Copper	35 7 90 mg·kg <sup>-1</sup>
DDTs	
DDD <sup>†</sup> (2,2-Bis(p-chlorophenyl) dichloroethane; Dichloro diphenyl dichloroethane)	3.54 µg·kg <sup>-1</sup>
DDE <sup>†</sup> (1,1-Dichloro-2,2-bis(p-chlorophenyl)-ethene; Diphenyl dichloro ethylene)	1.42 µg·kg <sup>-1</sup>
DDT <sup>†</sup> (2,2-Bis(p-chlorophenyl)-1,1,1-trichloroethane; Dichloro diphenyl trichloroethane)	1.19 µg·kg <sup>-1</sup> ‡
Dibenz(a,h)anthracene [See Polycyclic aromatic hydrocarbons (PAHs)]	
Dieldrin	2.85 µg·kg <sup>-1</sup>
Endrin	2.67 µg·kg <sup>-1</sup>
Fluoranthene [See Polycyclic aromatic hydrocarbons (PAHs)]	
Fluorene [See Polycyclic aromatic hydrocarbons (PAHs)]	
Heptachlor epoxide	0.60 µg·kg <sup>-1</sup>
Hexachlorocyclohexane [See Lindane]	
Lead	35.0 mg·kg <sup>-1</sup>
Lindane (Hexachlorocyclohexane)	0.94 µg·kg <sup>-1</sup>
Mercury	0.17 mg·kg <sup>-1</sup>
2-Methylnaphthalene [See Polycyclic aromatic hydrocarbons (PAHs)]	
Naphthalene [See Polycyclic aromatic hydrocarbons (PAHs)]	
Nonylphenol and its ethoxylates	1.4 mg·kg <sup>-1</sup> †††
PAHs [See Polycyclic aromatic hydrocarbons (PAHs)]	
PCBs [See Polychlorinated biphenyls (PCBs)]	
PCDD/Fs [see Polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans]	
Phenanthrene [See Polycyclic aromatic hydrocarbons (PAHs)]	
Polychlorinated biphenyls (PCBs)	
Aroclor 1254	60 µg·kg <sup>-1</sup> ‡
Total PCBs	34.1 µg·kg <sup>-1</sup>
Polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans	0.85 ng-TEQ/kg <sup>dw,§§</sup>
Polycyclic aromatic hydrocarbons (PAHs)	
Acenaphthene	6.71 µg·kg <sup>-1</sup> ‡
Acenaphthylene	5.87 µg·kg <sup>-1</sup> ‡

Substances	ISQG
Anthracene	46.9 $\mu\text{g}\cdot\text{kg}^{-1}$ <sup>†</sup>
Benz(a)anthracene	31.7 $\mu\text{g}\cdot\text{kg}^{-1}$
Benzo(a)pyrene	31.9 $\mu\text{g}\cdot\text{kg}^{-1}$
Chrysene	57.1 $\mu\text{g}\cdot\text{kg}^{-1}$
Dibenz(a,h)anthracene	6.22 $\mu\text{g}\cdot\text{kg}^{-1}$ <sup>†</sup>
Fluoranthene	111 $\mu\text{g}\cdot\text{kg}^{-1}$
Fluorene	21.2 $\mu\text{g}\cdot\text{kg}^{-1}$ <sup>†</sup>
2-Methylnaphthalene	20.2 $\mu\text{g}\cdot\text{kg}^{-1}$ <sup>†</sup>
Naphthalene	34.6 $\mu\text{g}\cdot\text{kg}^{-1}$ <sup>†</sup>
Phenanthrene	41.9 $\mu\text{g}\cdot\text{kg}^{-1}$
Pyrene	53.0 $\mu\text{g}\cdot\text{kg}^{-1}$
Pyrene [See Polycyclic aromatic hydrocarbons (PAHs)]	
Toxaphene	0.1 $\mu\text{g}\cdot\text{kg}^{-1}$ <sup>††</sup>
Zinc	123 $\text{mg}\cdot\text{kg}^{-1}$
* ISQGs and PELs presented here have been calculated using a modification of the NSTP approach (CCME 1995).	
<sup>†</sup> Sum of <i>p,p'</i> and <i>o,p'</i> isomers.	
<sup>‡</sup> Provisional; adoption of marine ISQG.	
<sup>§</sup> Provisional; adoption of marine PEL.	
<sup>*</sup> Provisional; adoption of lowest effect level from Ontario (Persaud et al. 1993).	
<sup>**</sup> Provisional; 1% TOC; adoption of severe effect level of 34 $\mu\text{g}\cdot\text{g}^{-1}$ TOC from Ontario (Persaud et al. 1993).	
<sup>††</sup> Provisional; 1% TOC; adoption of the chronic sediment quality criterion of 0.01 $\mu\text{g}\cdot\text{g}^{-1}$ TOC of the New York State Department of Environmental Conservation (NYSDEC 1994).	
<sup>‡‡</sup> No PEL derived.	
<sup>§§</sup> Values are expressed as toxic equivalency (TEQ) units, based on WHO 1998 TEF values for fish.	
<sup>***</sup> Expressed on a TEQ basis using NP TEFs; assumes 1% TOC.	
<sup>***</sup> Provisional; use of equilibrium partitioning approach.	
<sup>†††</sup> Note that the incidence of adverse biological effects below the TEL, between the TEL and PEL, and above the PEL were 22%, 24% and 65%, respectively, prior to the application of a safety factor.	

#### References:

CCME (Canadian Council of Ministers of the Environment) 1995. Protocol for the derivation of Canadian sediment quality guidelines for the protection of aquatic life. CCME EPC-98E. Prepared by Environment Canada, Guidelines Division, Technical Secretariat of the CCME Task Group on Water Quality Guidelines, Ottawa. [Reprinted in Canadian environmental quality guidelines, Chapter 6, Canadian Council of Ministers of the Environment, 1999, Winnipeg.]  
NYSDEC (New York State Department of Environmental Conservation). 1994. Technical guidance for screening contaminated sediments. Prepared by the Division of Fish and Wildlife and the Division of Marine Resources. November 22, 1993. New York.  
Persaud, D., R. Jaagumagi, and A. Hayton. 1993. Guidelines for the protection and management of aquatic sediment quality in Ontario. Ontario Ministry of the Environment, Water Resources Branch, Toronto.

#### Reference listing:

Canadian Council of Ministers of the Environment. 2002. Canadian sediment quality guidelines for the protection of aquatic life: Summary tables. Updated. In: Canadian environmental quality guidelines, 1999, Canadian Council of Ministers of the Environment, Winnipeg.