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167 Lombard Ave.  
Winnipeg  
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R3C 2Z1  
Bid Fax: (204) 983-0338

## SOLICITATION AMENDMENT MODIFICATION DE L'INVITATION

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

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

Comments - Commentaires

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

Issuing Office - Bureau de distribution  
Public Works and Government Services Canada -  
Western Region  
PO Box 1408, Room 100  
167 Lombard Ave.  
Winnipeg  
Manitoba  
R3C 2Z1

<b>Title - Sujet</b> GPC / SEC Multi-Detector System	
<b>Solicitation No. - N° de l'invitation</b> 01896-140395/A	<b>Amendment No. - N° modif.</b> 001
<b>Client Reference No. - N° de référence du client</b> AAFC	<b>Date</b> 2014-01-30
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$WPG-102-8847	
<b>File No. - N° de dossier</b> WPG-3-36252 (102)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2014-02-25</b>	<b>Time Zone</b> Fuseau horaire Central Standard Time CST
<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> Wiebe, Dallas	<b>Buyer Id - Id de l'acheteur</b> wpg102
<b>Telephone No. - N° de téléphone</b> (204) 984-4671 ( )	<b>FAX No. - N° de FAX</b> (204) 983-7796
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

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 (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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This amendment No. 001 is raised to provide answers to questions raised during the tender period for the Solicitation #01896-140395/A:

**Question:**

This requirement states that the detector and column compartment have temperature control up to 80°C. Most chromatography vendors offer column compartments that range up to 80° to 90° but their detectors have a high temperature limit of 50° to 60°. Please clarify the required temperature control range of the detectors because this may require a high temperature system if in fact the upper limit must be 80°C.

**Answer:**

Requirement for temperature control up to 80 C for columns and detectors:

- Require up to 80 C because this operating temperature is used for chromatographic analysis of certain carbohydrate molecules (e.g. inulin, low molecular weight non-digestible oligosaccharides, and other fibres).
- Require capability to control detectors at least the same temperature as the columns. It is generally accepted in the field of chromatography that temperature control can greatly impact the quality and consistency of results. For example, baseline drift has been attributed to large temperature differences between columns and detectors and minimizing this difference improves results.
- Require maximum parameter flexibility/control as the system will be used for research and development of new methodologies for carbohydrate and protein analysis, which will involve optimization of system parameters (such as column and detector temperature).
- Require capability to operate system up to 80 C in order to facilitate participation in collaborative method studies/concurrent analyses with other research stations.