



**RETURN BIDS TO:**

**RETOURNER LES SOUMISSIONS À:**

Bid Receiving - PWGSC / Réception des soumissions -  
TPSGC

11 LaurierSt./ 11, rue Laurier

Place du Portage, Phase III

Core 0B2 / Noyau 0B2

Gatineau

Québec

K1A 0S5

Bid Fax: (819) 997-9776

**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**

Infrastructure Maintenance and Solution Services

Division (FK)

L'Esplanade Laurier,

East Tower 4th Floor

L'Esplanade Laurier,

Tour est 4e étage

140 O'Connor, Street

Ottawa

Ontario

K1A 0R5

<b>Title - Sujet</b> REMOVAL AND DISPOSAL OF IRRADIATORS	
<b>Solicitation No. - N° de l'invitation</b> W7714-207067/A	<b>Amendment No. - N° modif.</b> 006
<b>Client Reference No. - N° de référence du client</b> W7714-207067	<b>Date</b> 2019-11-20
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$FK-289-77728	
<b>File No. - N° de dossier</b> fk289.W7714-207067	<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 2019-12-02</b>	
<b>Time Zone</b> Fuseau horaire Eastern Standard Time EST	
<b>F.O.B. - F.A.B.</b>	
<b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Maquiling(fk div), Amalia O.	<b>Buyer Id - Id de l'acheteur</b> fk289
<b>Telephone No. - N° de téléphone</b> (819) 360-6567 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<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> Raison sociale et adresse du fournisseur/de l'entrepreneur	
<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>

This amendment 006 is raised to include the attachment omitted from amendment 005.

**No other changes apply**

**Annex A Revised 001 (November 18, 2019)**  
**STATEMENT OF WORK (SOW)**  
**REMOVAL AND DISPOSAL OF IRRADIATORS**  
**W7714-207067**

**1. TITLE**

REMOVAL AND DISPOSAL OF GAMMACELL 150c, UDM1, UDM 1A, GRM 750

**2. BACKGROUND**

Defence Research and Development Canada (DRDC) Ottawa Research Centre owns four irradiators; GAMMACELL 150c, UDM1, UDM 1A, GRM 750. DRDC wishes to have them removed and disposed of, including their respective radioactive materials. Each of GAMMACELL 150c, UDM1 and UDM 1A contains the radioisotope Cobalt-60, while GRM 750 contains Cesium-137. Although no longer suitable for their original purpose, the radioactive materials are still hazardous.

**3. REQUIREMENT**

To supply all material, equipment (including forklift and forklift operator), labour and supervision necessary to remove and dispose four irradiators; GAMMACELL 150c, UDM1, UDM 1A, GRM 750 including their respective radioactive materials in accordance with Nuclear Safety and Control Act and associated regulations, for Department of National Defence, DRDC, Ottawa Research Centre, located in 3701 Carling Avenue, Buildings 29A, 5B, Ottawa, Ontario, K1A 0Z4, Canada.

Any contractor shall be certified under the Nuclear Safety and Control Act and associated regulations to remove and dispose of these four irradiators: GAMMACELL 150c, UDM1, UDM 1A, GRM 750.

**4. ACRONYMS**

IAEA – International Atomic Energy Agency  
DRDC – Defence Research and Development Canada  
SOW – Statement of Work  
TA – Technical Authority  
CNSC - Canadian Nuclear Safety Commission  
NSCA- Nuclear Safety and Control Act  
TA – Technical Authority  
TDGA - Transport of Dangerous Goods Act  
RAM – Radioactive Materials

**5. TASKS**

- 5.1 The Contractor must dispose of four irradiators (GAMMACELL 150c, UDM1, UDM 1A, GRM 750), including their respective Radioactive Materials (RAM), in accordance with the Nuclear Safety and Control Act and associated regulations. Each of the GAMMACELL 150c, UDM1 and UDM 1A contains the radioisotope Cobalt-60 and the GRM 750 contains Cesium-137. This disposal must be completed no later than six (6) months after contract award.
- 5.2 The Contractor must prepare and provide a radiation safety plan for the disposal of the four (4) irradiators and their respective RAM. At least one site visit will be required to enable the preparation of the plan. At a minimum, the plan must include:
- a) Protective Personal Equipment to be used during the execution of the contract.
  - b) Dosimetry plan for all stages of the contract.
  - c) Plan of precisely how each irradiator will be dismantled and removed from its existing location to the transportation vehicle, and how it will be transported to its final destination.

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- d) Any Shipping/Transportation documentation required to support this plan, including specifics about safe packaging, how each irradiator will be moved out of the building, how local staff and infrastructure will be protected, and how the irradiators will be loaded into the transportation vehicle.
- 5.3 The Contractor must dispose of each RAM source in accordance with Type B (U) or Type A packaging requirements, as applicable for each source as defined by CNSC.
- 5.4 Upon approval of Task 5.2 and 5.3 by the Technical Authority (TA), the Contractor must remove and dispose of all four irradiators, including the RAM residing in the irradiators, in accordance with Nuclear Safety and Control Act and its associated regulations.
- 5.5 The Contractor must provide the TA with one final report indicating the dates that each of the four irradiators have been transferred out of DND ownership.

**6. DELIVERABLES**

<b>Number</b>	<b>Task reference</b>	<b>Description of the Deliverables</b>	<b>Quantity and Format</b>	<b>Date of Delivery</b>
6.1	5.1	IAEA/CNSC package certifications demonstrating adherence to the regulations established in the Canadian Nuclear Safety and Control Act.	1 copy PDF	1 month after contract award
6.2	5.2	Radiation Safety Plan. The Radiation Safety Plan will be reviewed by DND and changes may be requested by DND if required.	1 copy PDF	3 months after contract award
6.3	5.5	Final report	1 copy in Word format	2 months after completion of Task 5.3

**7. LANGUAGE OF WORK**

English.

**8. TRAVEL**

When travel is required, the Contractor is responsible for all travel arrangements to perform the work at no additional cost to the contract.

**9. MEETINGS**

Estimated of 2 meetings will be required at DRDC Shirley's Bay at 3701 Carling Avenue.

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**10. GOVERNMENT SUPPLIED MATERIAL (GSM)**

**GSM 1:** Copies of available documentation for the GC150c, UDM1, UDM 1A, GRM 750 as needed.  
Quantity: 1

**GSM 2:** Radiation Safety monitoring staff.  
Quantity: 1

**GSM 3:** Post-removal site and equipment radiation monitoring.  
Quantity: 1

**GSM 4:** General Safety oversight for work performed.  
Quantity: 1

**11. CONSTRAINTS**

Sources are located in areas with limited space and accessibility.

**12. SECURITY**

All work is unclassified and the Contractor will not have access to any classified information. The contractor is responsible to determine and provide sufficient security cleared resources to complete the work.