



**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

Title - Sujet Sudbury Mail Processing Room	
Solicitation No. - N° de l'invitation EQ754-180699/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client EQ754-180699	Date 2017-07-20
GETS Reference No. - N° de référence de SEAG	
File No. - N° de dossier PWL-7-40035 (003)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-08-10	
Time Zone Fuseau horaire Eastern Daylight Saving Time EDT	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Dhanna, Sheila	Buyer Id - Id de l'acheteur pwl003
Telephone No. - N° de téléphone (416) 512-5855 ()	FAX No. - N° de FAX (416) 512-5862
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: CRA 1050 Notre Dame Ave Sudbury, ON X1X 1X1 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

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

Solicitation No. - N° de l'invitation

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

EQ754-180699/A

01

pw1003

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

File No. - N° du dossier

CCC No./N° CCC - FMS No./N° VME

R.087411.001

PWL-7-40035

**CANADA REVENUE AGENCY MAIL PROCESSING ROOM
1050 NOTRE DAME AVE., SUDBURY, ON**

The following changes in the tender documents are effective immediately. This addendum will form part of the contract documents.

SPECIFICATIONS

1. SECTION 01 14 25 – DESIGNAED SUBSTANCES

.1 Add Section 01 14 25 – Designated Substances attached herewith.

2. SECTION 02 82 00.01 – ASBESTOS ABATEMENT – MINIMUM PRECAUTIONS

.1 Delete Section 02 82 00.01 – Asbestos Abatement – Minimum Precautions.

Enclosure: Section 01 14 25 – Designated Substances – Six (6) 6 pages

Part 1 **GENERAL**

1.1 **SCOPE OF DESIGNATED SUBSTANCES**

- .1 An investigation into the potential presence of designated substances and select hazardous materials was conducted by Golder Associates Ltd. at 1050 Notre Dame Avenue in Sudbury, Ontario for interior demolition and construction activities associated with a new mail processing room to be located on the ground floor (referenced as "project specific area").

The purpose of the investigation was to meet the requirements of the Canada Labour Code Part II, section 124 which stipulates that every employer shall ensure that the health and safety at work of every person employed by the employer is protected and those employees are made aware of every "known or foreseeable health and safety hazard" in the work environment. Work was also performed to meet the requirements of Section 30 of the Ontario Occupational Health and Safety Act, 1990, Chapter 0.1. which requires that, prior to beginning a construction project, including building renovations or demolition, a document detailing the presence of Designated Substances must be made available to contractors and subcontractors requesting tenders and/or performing the work where tenders are not utilized. Lastly, work was performed to meet the requirements of Public Works and Government Services Canada (PWGSC) *Departmental Policy 057: Asbestos Management*.

- .2 The project specific area is limited to the locations in the southwest corner of the main floor, as defined on Drawing No RS1-SKA-2 *Proposed Processing Room Floor Plan Layout Option 2 (Design Concept)*, prepared by KWC Architects Inc. and dated 2017 05 2. Areas outside the project specific area were not assessed within the scope of work completed.
- .3 For additional information on the scope, please refer to the following Golder Associates Report: *Project Specific Designated Substance Survey, CRA Mail Processing Room Project, Government of Canada Building, 1050 Notre Dame Avenue, Sudbury, Ontario, PWGSC Project No. R.087411.011*, dated June 29, 2017.

1.2 **REFERENCES**

- .1 Federal Legislation
 - .1 Canada Labour Code, Part II, section 124 and 125. Canada Occupational Health and Safety Regulations (SOR/86-304).
 - .2 Transportation of Dangerous Goods Act, 1992 (TDGA).
 - .3 Canada Consumer Product Safety Act.
 - .1 Surface Coating Materials Regulations (SOR/2005-109).
 - .4 Canadian Environmental Protection Act, 1999 (CEPA).
 - .1 PCB Regulations (SOR/2008-273).
 - .2 Federal Halocarbon Regulations, 2003 (SOR/2003-289).
- .2 Provincial Legislation
 - .1 1. Ontario Occupational Health and Safety Act, R.S.O. 1990.

- .1 Ontario Regulation 490/09 – Designated Substances.
- .2 Ontario Regulation 278/05 – Designated Substance - Asbestos on Construction Projects and in Buildings and Repair Operations.
- .3 Ontario Regulation 213/91 - Construction Projects.
- .2 Ontario Environmental Protection Act, R.R.O. 1990.
 - .1 Ontario Regulation 347/09, General – Waste Management.
 - .2 Ontario Regulations 362/90 – Waste Management, PCBs.
 - .3 Ontario Regulation 463/10, Ozone Depleting Substances and Other Halocarbons.
 - .4 Ontario Regulation 189/94, Refrigerants.
- .3 Canadian General Standards Board (CGSB).
- .4 Canadian Standards Association
 - .1 CAN/CSA-Z94.4-11 (R2016) Selection, use, and care of respirators.
- .5 Underwriters' Laboratory of Canada (ULC).

1.3

DEFINITIONS

- .1 Asbestos-Containing Material (ACM): means any material that contains 0.5 per cent or more asbestos by dry weight as per Ontario Regulation 278/05, as amended.
- .2 Friable Material: material that when dry can be crumbled, pulverized or powdered by hand pressure and includes such material that is crumbled, pulverized or powdered.
- .3 Time-weighted average exposure limit (TWael): the time-weighted average airborne concentration of a biological or chemical agent to which a worker may be exposed in a work day or work week as prescribed by Ontario Regulation 490/09 Designated Substances, as amended.
- .4 Lead-Containing Material (LCM): means any paint, coating or other material containing a detectable concentration of lead at or above acceptable laboratory analytical methods for analysis of metals in materials.

1.4

RELATED SECTIONS

Not Used

Part 2

DESIGNATED SUBSTANCES AND OTHER HAZARDOUS MATERIALS

- .1 Confirm with the Departmental Representative that no additional designated substances have been brought to the project specific area prior to beginning work.
- .2 Additional designated substances and hazardous materials exist outside the accessible survey areas but are beyond the scope of this project.
- .3 Should any additional material, suspected to be a designated substance, be encountered within the project specific area, any disturbance of such material must be stopped, precautionary measures taken, and the Departmental Representative must be notified immediately. Do not proceed until written instructions have been received.

- .1 ACRYLONITRILE: Not Identified
- .2 ARSENIC: Not Identified
- .3 ASBESTOS: **Identified** but not anticipated to be disturbed as part of the project.
Bulk sampling and subsequent laboratory analysis, visual observations and a review of historical reports have determined that the following non-friable ACMs are present within the project work area:
 1. 80 linear feet of Transite™ (asbestos cement) piping is present in the existing storage area along the steel deck, north of the wall to be removed as part of the demolition and construction in the project specific area. This material is not expected to require disturbance during upcoming construction activities. However, if during the demolition work this material requires disturbance during the installation of the new wall north of the existing wall, work is to stop until written instruction has been provided on how to proceed with the disturbance.
 2. Minor quantities of presumed asbestos-containing firestopping material is located surrounding one pipe penetration through a drywall surface in the existing storage area.
 3. Gaskets associated with piping, insulation on high voltage wiring, and fire-rated cores in doors were not observed but may be present. If present, these materials are considered presumed ACMs.
- .4 BENZENE: Not Identified
- .5 COKE OVEN EMISSIONS: Not Identified
- .6 ETHYLENE OXIDE: Not Identified
- .7 ISOCYANATES: Not Identified
- .8 LEAD: **Identified**
Surface paints within the project specific area were sampled and determined not to contain detectable concentrations of lead.
The following presumed lead-containing materials are present within the project specific area but not anticipated to be disturbed during construction activities:
 1. Three emergency exit signs with presumed lead-acid batteries.
 2. Three emergency lights with presumed lead-acid batteries.
- .9 MERCURY: **Identified**
The presence of mercury was visually identified or is presumed in the following equipment associated with the project specific area:
 1. One wall-mounted thermostat on the south side of the wall to be removed between the existing storage area and the mail room. The thermostat contains a glass control vial within containing elemental mercury.
 2. Approximately 250 fluorescent light tubes are present in the project specific area. Fluorescent light tubes may contain mercury in a vapour form and in the phosphor coating on the lamp tube.

- .10 **SILICA: Identified**
Crystalline silica is presumed to be present in all architectural finishes and building materials constructed from aggregates, including the following materials present in the project specific area:
1. Concrete and concrete block.
 2. Ceiling tiles.
 3. Drywall and joint compounds.
 4. Transite™ asbestos cement piping.
 5. Mortars and grout associated with concrete block walls.
- .11 **VINYL CHLORIDE: Not Identified**
- .12 **POLYCHLORINATED BIPHENYLS (PCBs): Not Identified**
Ballasts present within the project specific area are presumed to be T8's, first introduced in 1981 after the federal prohibition was introduced on the use of PCBs in electrical equipment.
- .13 **HALOCARBONS: Identified** but not anticipated to be disturbed as part of the project as follows:
- .1 Three air conditioning units with presumed halocarbons are present within the existing I.T. Room. These air conditioning units are not anticipated to be removed from site for disposal during the construction project.

Part 3 **RECOMMENDATIONS**

- .1 **Asbestos**
- .1 If ACMs are disturbed, all work must be done in accordance with the prescriptive requirements of O.Reg. 278/05, as amended. While not anticipated to be disturbed, in the event it becomes required, the following abatement work procedures would be required for known or presumed ACMs:
- .1 Transite™ piping, located by the steel deck within the existing storage area would require Type 1 asbestos work procedures, provided that only hand-powered tools were used and that the materials are adequately wetted prior to and during disturbance.
 - .2 Firestopping material, located on the existing drywall wall within the existing storage area, would require Type 1 asbestos work procedures, provided that only hand-powered tools were used and that the materials are adequately wetted prior to and during disturbance.
 - .3 Gaskets, if present and disturbed, would require removal via hand tools under Type 1 asbestos work procedures.
 - .4 High voltage wiring, if present and disturbed, would require removal via hand tools under Type 1 asbestos work procedures.
 - .5 Asbestos cores within fire doors, if present and disturbed, would require removal of the doors in their entirety without disturbing the cores under Type 1 asbestos work procedures.

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- .2 Lead
 - .1 Follow recommendations provided in the Ontario Ministry of Labour (MOL) Guideline entitled "Guideline: Lead on Construction Projects". This guideline classifies all lead disturbances as Type 1, Type 2a, Type 2b, Type 3a or Type 3b work, and assigns different levels of respiratory protection and work procedures for each classification.
 - .2 Should the emergency lights and exit signs be removed and not reused on-site, the site will require registration or confirmation of registration as a Hazardous Waste Generator with the Ontario Ministry of Environment and Climate Change (MOE) prior to transport and disposal/recycling of lead-containing materials.
 - .3 Transport of lead-containing materials must be performed by a Waste Carrier operating under a MOE-issued Environmental Compliance Approval (ECA).
 - .3 Mercury
 - .1 Follow recommendations provided in the MOL Guideline entitled "The Safe Handling of Mercury: A Guide for the Construction Industry". This document provides advice on how to reduce the risk of mercury exposure, and outlines clean-up methods for spills.
 - .2 Careful handling of light fixtures and lamps containing mercury and the thermostat vial is required to ensure that the maximum exposure to airborne mercury does not exceed 0.025 milligrams of mercury in air (0.025 mg HG/m³).
 - .3 Site will require registration or confirmation of registration as a Hazardous Waste Generator with the MOE prior to transport and disposal/recycling of mercury-containing materials.
 - .4 Transport of mercury-containing materials must be performed by a Waste Carrier operating under a MOE-issued ECA.
 - .4 Silica
 - .1 Follow recommendations provided in the MOL Guideline entitled "Guideline: Silica on Construction Projects". This document classifies all silica disturbances as Type 1, Type 2 or Type 3 work, and assigns different levels of respiratory protection and work procedures for each classification. These work procedures should be followed when performing work involving the disturbance of silica-containing materials.
 - .2 Silica occurs as a crystalline material in aggregate-based materials. Silica dust can be generated through such processes as blasting, grinding, crushing and sandblasting silica-containing material. Since silica is present in concrete, concrete block, mortars and grout, ceiling tiles and drywall within the project area, appropriate respiratory protection, dust control and ventilation must be implemented for any work that will disturb these materials.
 - .3 When work occurs that disturbs aggregate-based materials, ensure that respirable silica dust does not exceed the allowable TWAEI of 0.05 milligrams per cubic metre (mg/m³) for cristobalite silica and 0.10 mg/m³ for quartz and tripoli forms of silica.

- .5 Halocarbons
- .1 Should the three identified air conditioning units present within the existing I.T. room be taken out of service for disposal, the refrigerants present must be verified to be non-ozone depleting or should be disposed of or recycled following the requirements of O.Reg. 189/94, as amended.
 - .2 All equipment containing ODSs must be serviced by an individual holding a valid Ozone Depletion Prevention (ODP) Card, issued by the MOE, and the refrigerant drained from the unit and collected for recycling or disposal in accordance with applicable provincial legislation.

3.2 NOTIFICATION

- .1 Contractor must inform all sub-trades of the presence of Designated Substances, as identified herein.
- .2 Contractor must review designated substances and take necessary precautions to protect the health and safety of the workers and the environment. As per s. 30 (4) of the Ontario Occupational Health and Safety Act, the party hiring the contractor (i.e., Engineer) shall ensure that all prospective contractor and sub-contractors for the project have received a copy of the designated substance report as a component of the bid package prior to submitting a bid. As per s. 27 (2) (a,b,c) of the Ontario Occupational Health and Safety Act and s. 124 of the Canada Labour Code, Part II, while on site, the contractor's supervisor shall take every reasonable precaution in the protection of a worker.

END OF SECTION