

**PART 1 – GENERAL**

1.1 REFERENCES

- .1 Federal Legislation
  - .1 Canada Labour Code, Part II, section 124 and 125.  
Canada Occupational Health and Safety Regulations
  - .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 Ontario Occupational Health and Safety Act,  
R.S.O. 1990, 2010 edition.
    - .1 Ontario Regulation 490/09 – Designated  
Substances (O.Reg. 490/09).
    - .2 Ontario Regulation 278/05 – Designated  
Substance - Asbestos on Construction  
Projects and in Buildings and Repair  
Operations, (O.Reg. 278/05).
    - .3 Ontario Regulation 213/91 for Construction  
Projects (O.Reg. 213/91)
  - .2 Ontario Environmental Protection Act, R.R.O. 1990,
    - .1 Ontario Regulation 347/09, General –  
Waste Management (O.Reg. 347/09).
    - .2 Ontario Regulations 362/90 – Waste  
Management, PCBs (O.Reg. 362/90)
    - .3 Ontario Regulation 463/10, Ozone  
Depleting Substances and Other  
Halocarbons (O.Reg. 463/10).
- .3 Canadian General Standards Board (CGSB).
- .4 Canadian Standards Association (CSA International). CAN/CSA-  
Z94.4-11 Respiratory Protection
- .5 Underwriters' Laboratories of Canada (ULC).

1.2 DEFINITIONS

Asbestos-Containing Materials (ACMs): means material that contains 0.5 per cent or more asbestos by dry weight as per Ontario Regulation 278/05.

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.

HEPA vacuum: High Efficiency Particulate Arrestor filtered vacuum equipment with a filter system capable of collecting and retaining fibres greater than 0.3 microns in any direction at 99.97% efficiency.

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 O.Reg. 490/09 Designated Substances, as amended.

1.3 RELATED SECTIONS

NOT USED

1.4 DESIGNATED SUBSTANCES

Refer to the following "Designated Substances Report, Traffic Safety Measures Project, West Block Building, Parliament Hill, Ottawa, Ontario, August 2015." for the description of the methodology used to assess the designated substances within the project area.

The scope of work consists of of road widening and landscaping works at various locations on the Parliament Hill.

All Contractors requesting tenders from subcontractors shall furnish this specification to Subcontractors.

Workers to stop work immediately when a material resembling a designated substance is encountered during demolition work.

The Contractor must ensure that workers are trained and are following all designated substances control program.

Every worker shall work in compliance with the work practices and hygiene practices in accordance with every control program respecting a designated substance that applies to the workplace.

- .1 ACRYLONITRILE: Not Identified
- .2 ARSENIC: Not Identified
- .3 ASBESTOS: Not Identified
- .4 BENZENE: Not Identified
- .5 COKE OVEN EMISSIONS: Not identified
- .6 ETHYLENE OXIDE: Not Identified
- .7 ISOCYANATES: Not Identified
- .8 LEAD: Not Identified
- .9 MERCURY: Not Identified
- .10 SILICA: **Identified**

Free crystalline silica is present in concrete and asphalt in the project areas.

- .11 NYL CHLORIDE MONOMER: Not Identified
- .12 POLYCHLORINATED BIPHENYLS (PCBS): Not Identified
- .13 OZONE DEPLETING SUBSTANCES (ODS): Not Identified

1.5 RECOMMENDATIONS

- .1 SILICA
  - .1 Comply with Ontario Regulations O.Reg. 490/09 when performing works that may disturb silica-containing materials.
  - .2 Follow recommendations provided in the Ontario Ministry of Labour 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.

**PART 2 - PRODUCTS**

NOT USED

**PART 3 - EXECUTION**

NOT USED

**\*\*\* END OF SECTION \*\*\***