

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

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.

1.3 RELATED SECTIONS

NOT USED

1.4 DESIGNATED SUBSTANCES

Confirm with the Departmental Representative that no additional designated substances have been brought to the project area prior to beginning work.

Additional designated substances and hazardous materials may exist outside the accessible survey areas but are beyond the scope of this project.

Should any additional material, suspected to be a designated substance, be encountered within the project 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: 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 shall be assumed to be present in the gravel and stones in the project areas.
11. VINYL CHLORIDE MONOMER: Not Identified
12. POLYCHLORINATED BIPHENYLS (PCBs): Not Identified
13. MOULD: Not Identified
14. HALOCARBONS: Not Identified
15. OTHER HAZARDOUS MATERIALS: 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. The regulation provides requirements for allowable exposure levels.
2. Silica dust can be generated through such processes as blasting, grinding, crushing, and sandblasting silica-containing material. Since silica is present in select materials within the project areas, recommendations provided in the Ontario Ministry of Labour Guidelines entitled "Guideline: Silica on Construction Projects" should be followed. 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. PRODUCTS

Not used

3. EXECUTION

Not used

END OF SECTION