

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

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 (TWAEEL): 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 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, Refrigeration Bypass Installation Project, 1170 Algoma Road, Ottawa, Ontario” dated February 5th, 2016.

The scope of work consists of repairing the water infiltration issues surrounding the kitchen area at the Food Production Facility, 1170 Algoma Road, Ottawa, Ontario.

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 area 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: Traces amounts identified

Based on the results of the grey paint sample collected in 2012 from the room 109 at the Food Processing Facility, and the beige-yellow paint bulk sample collected in 2014 from the chilled water pipe in room 001, the lead contents are both below the method detection limit and also below the 90 ppm threshold as outlined in the *Canada Consumer Product Safety Act's Surface Coating Materials Regulations SOR/2005-109 (as amended)*. These paints are not considered to be lead containing paints.

9. MERCURY: Not Identified

10. SILICA: Identified

Free crystalline silica is present in concrete, and drywall within the project areas.

11. VINYL 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.

2 **PRODUCTS**

Not used

3 **EXECUTION**

Not used

END OF SECTION