

Enclosure Pre-inspection Report

Client: Justin Merritt Inflector Environmental Services 196 Hobsons Lake Drive Halifax, Nova Scotia B3S 0G4	Project #: 30138 Location: Teachers Room/Room 9 Enclosure - Bicentennial Shift: N/A Issue Date: December 1, 2022 Report #: 01
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1.0 DETAILS TO BE NOTED

On December 1st, 2022, Alisha Glogowski of ALL-TECH Environmental Services Limited (ALL-TECH) completed a pre-inspection on the enclosure constructed within the Teacher's Room/Room 9 at Bicentennial School located at 85 Victoria Road in Dartmouth, Nova Scotia.

2.0 REGULATIONS AND GUIDELINES

2.1 American Conference of Governmental Industrial Hygienists Threshold Limit Value for Asbestos

Occupational airborne exposure limits set by the Province of Nova Scotia follow airborne standards set by the American Conference of Governmental Industrial Hygienists (ACGIH) when dealing with asbestos. Their limit for asbestos exposure is asbestos, all forms 0.1 f/cc (2020). The limit of 0.1 f/cc is known as a Threshold Limit Value (TLV) and is based on a time weighted average (TWA) exposure of 8 hours as determined by air sampling following the NIOSH 7400 Asbestos and Other Fibres by Phase Contrast Microscopy.

2.2 Canada Occupational Health and Safety Regulations SOR/86-304

The Canada Occupational Health and Safety Regulations (SOR/86-304) states that final clearance air samples must be as close to zero as possible, and in any event shall not exceed the ACGIH TLV (0.1 f/cc).

2.3 Asbestos in the Workplace: A Guide to Removal of Friable Asbestos Containing Material - Nova Scotia Code of Practice

Where dry or wet asbestos removal is conducted, a glove bag is not used, and the air from inside the enclosure is exhausted to an indoor area that is outside of the enclosure, daily sampling for airborne asbestos fibres must be conducted outside of the enclosure and immediate action must be taken if the concentration of airborne asbestos is found to exceed 0.01 f/cc of air in an indoor area that is outside the enclosure. Final clearance air samples must be <0.01 f/cc.

3.0 ENCLOSURE PRE-INSPECTION

An enclosure pre-abatement inspection was completed on the Type III enclosure. The enclosure is constructed within the hard hoarding area of the Teacher's Room and Room 9, allowing no access to the abatement enclosure from outside the chambers. The inspection showed that all engineering and safety controls were in place and operational including the following:

- The enclosure is sealed and stable using 6mil rip-proof polyethylene sheeting.
- The three-stage decontamination chambers located at the entrance to the enclosure is fully functional with hot and cold running water. The three-stage decontamination chambers are complete with a clean room, shower with provision of hot and cold water, and a dirty room.
- At the access point to the asbestos enclosure work area warning signs are posted in both official languages in upper case "Helvetica Medium: letters reading as follows where number in parentheses indicates font size used: 'CAUTION ASBESTOS HAZARD AREA (25mm) / NO UNAUTHORIZED ENTRY (19mm) / WEAR ASSIGNED PROTECTIVE EQUIPMENT (19mm) / BREATHING ASBESTOS DUST MAY CAUSE SERIOUS BODILY HARM (7mm)'.
- All portions of the three-stage decontamination chamber entering the enclosure are double flapped and weighted down.

- The enclosure has sufficient negative air pressure (-0.028" WC) which is being monitored using a OMNIGUARD Differential Pressure Recorder, alarm activated device. The OMNIGARUD is located within Room 9.
- Any access point/doors that are not being used, are sealed off by pre-existing doors which are covered and openings are sealed using fibre reinforced tape and minimum 6mil rip-proof fire-resistant polyethylene sheeting.

4.0 SITE OBSERVATIONS

4.1 SITE CONDITIONS

The work areas were kept clean and free of any unnecessary equipment to allow safe and efficient work to be carried out.

4.2 SITE EQUIPMENT

Inflector had proper equipment on site to perform duties within the abatement areas. One (1) HEPA equipped negative air unit (NAU) set to "LOW" is utilized to achieve the negative air pressure. he NAU is located in the enclosure and is being exhausted to the exterior of the building. The NAU is DOP tested in accordance with the regulations, and stickers were available on the sides of the units.

A HEPA vacuum is on site, which was DOP tested. Documentation of the integrity testing was provided and sticker is located on the side of the vacuum.

A pump sprayer capable of misting water is located on site and readily available for use in conjunction with the abatement activities.

Non-powered hand tools will be used for the majority of the work as the material that will be removed is saturated in water.

4.3 PERSONAL PROTECTION

Inflector had proper PPE on site including full-face piece powered air-purifying respirators (PAPR) with P-100 Filters, Tyvek suits, and adequate personal hygiene.

4.4 DUST CONTROL

Dust was controlled using negative air units equipped with H.E.P.A. filters. Water sprayers capable of misting are readily available to ensure dust levels are kept to a minimum.

4.5 WASTE MANAGEMENT

Proper safety disposal bags were on-site to contain all waste and debris. All waste is to be double bagged / sealed within container prior to removal from site.

4.0 COMMENTS/RECOMMENDATIONS

N/A.

If you have any questions or comments regarding the above noted results, please feel free to contact our office at your convenience.

Thank you and have a great day,



Alisha Glogowski, B.Sc.
Environmental Scientist

ALL-TECH Environmental Services Ltd.

APPENDIX 1.0
Site Photographs



Figure 1.0: Appropriate signage to all entrances to the enclosure.



Figure 2.0: Adequate negative air pressure.