



Type 1 Asbestos Work Procedures

COMPOUND AND WALL AND BASEBOARD ADHESIVE CONTAINING ASBESTOS WITHIN THE LSC BASEMENT WORK AREA. THESE PROCEDURES ARE FOR AREAS LESS THAN 3 SQUARE FEET OF MATERIALS

NOTE: These Type 1 procedures assume work will disturb small amounts of asbestos containing materials and will create relatively little loose dry dust released. Generation of debris is permissible as long as the debris can be well wetted before work is performed. If the work will release more than a trivial amount of dry loose dust, do not proceed.

1.0 Equipment

1.1 Vacuum

Use of a vacuum is mandatory. Wet cleaning methods will be used in conjunction with a vacuum. The vacuum used must be equipped with a high efficiency particulate (HEPA) filter and all brushes, fittings, etc. The vacuum must only be opened in an enclosure following Type 2 procedures to empty contents. The vacuum exterior should be carefully wet cleaned after emptying. A HEPA filter is at least 99.97% efficient in collecting a 0.3 micrometer particle. The HEPA vacuum must be certified annually using a DOP test or equivalent.

1.2 Respirators

Use of a respirator is mandatory for Type 1 work. The type of respirator supplied shall be a half-face respirator with HEPA P100 filter. Training in the proper use of respirator and qualitative fit testing shall also be required. Respirators must be NIOSH approved and acceptable to the Provincial Authorities having jurisdiction. Respirators shall be used according to the written procedures for use, provided to the worker during training sessions. Filters must be changed after 24 hours of wear, or sooner if breathing resistance increases.

NOTE: Employers/Employees must follow the CSA Z94 Standard 'Selection, Use, and Care of Respirators as amended.

1.3 Protective Clothing

Disposable clothing must be used. Disposable clothing and respirator filters to be disposed of as asbestos waste.

1.4 Other Equipment

- Plastic sheet (6 mil polyethylene) – to serve as a drop sheet
- Pump sprayer with mister nozzle or alternative method to wet material
- Wet sponges
- Asbestos warning signs, and caution tape

- Labeled yellow asbestos waste bags (6 mil) – for all asbestos waste, disposable equipment, plastic, etc.
- Small tools and cleaning supplies – i.e. scouring pads, sponges, brushes, buckets, scrapers, etc.
- Shaving Cream/Gel

2.0 Other Protective Measures

2.1 Do not eat or drink in the designated work area.

2.2 On leaving designated work area, the worker is to proceed to washroom and wash all exposed skin on hands and face.

3.0 Preparation

3.1 Before work, where practical cover floor and surfaces below work with polyethylene sheeting to catch debris.

3.2 Whenever dust on a surface is likely to be disturbed

4.0 Execution

4.1 **The Type 1 procedures apply only to work where asbestos containing joint compound and mastic adhesives on walls surface require prep work, the removal of metal wall wire pass-through, cutting for the removal of areas of gyproc walls (less than 3sf), drilling into walls, and installing brackets/services into walls where asbestos joint compound or mastic may be disturbed.**

4.2 Place a polyethylene sheet below area where work is being completed.

4.3 Use caution tape to designate the work area and place asbestos warning sign in appropriate area to separate the work area from occupied spaces.

4.4 Ensure work area is un-occupied before work begins.

4.5 Have HEPA vacuum and required tools in work area.

4.6 Worker dons a disposable and half-faced respirator equipped with P100 HEPA filters.

4.7 Where possible wet, with a handheld pump sprayer, asbestos material that may be disturbed. When drilling small holes, a spot of shaving cream/gel can be used to assist with controlling dust.

4.8 Work should be completed using wet methods and with the end of HEPA vacuum hose as close as possible to the area where materials are being disturbed.

4.9 Complete required work creating as little dust and debris as possible. Hand tools and low speed drills should be used to keep dust to a minimum. Power tools shall be HEPA filtered. Use a HEPA vacuum to clean around area when required.

- 4.10** Place removed material into asbestos waste bag. Clean surrounding surfaces and asbestos work area frequently with HEPA vacuum or with wet methods (i.e. damp cloth disposed of as asbestos waste after cleaning).
- 4.11** Drop sheet shall be disposed of as asbestos waste.
- 4.12** Seal the ends of the vacuum hose with 12 mil polyethylene and tape, and place in designated storage area prior to the removal of PPE.
- 4.13** Worker to remove disposable coveralls and dispose as asbestos waste. The worker is to remove respirator and clean

5.0 Waste Transport and Disposal

- 5.1** Place waste into asbestos labeled disposal bag, seal with tape, clean the exterior of the bag with a clean cloth, and place into a second clean bag, also to be sealed with tape.
- 5.2** Provide storage area for holding minor amounts of bagged asbestos waste.
- 5.3** Dispose of the waste in compliance with Provincial regulations or contact an asbestos abatement contractor to provide disposal services several times a year or when required