



Former School Building
Alliston, Ontario

“A project specific designated substances survey was conducted to identify designated materials for abatement prior to building demolition.”

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Fig. 1—Mastic (asbestos containing material) behind chalk boards

The Problem

A former school building was scheduled for a partial demolition and renovation to redevelop the remaining building for office space. The two-storey building was originally constructed in the mid-1950s. Given the age of the building, it was common practice for designated substances such as asbestos and lead to be used in

building materials. Peritus was retained to conduct a designated substances survey (DSS) of the building in accordance with Ontario Regulation (O.Reg.) 278/05 and O.Reg.490/09, as amended.



Fig. 2—Type 3 abatement enclosure

The Solution

Since the building was going to be demolished, the building was inspected using intrusive sampling techniques. An initial visual inspection of the building materials was conducted followed by sampling of suspected asbestos and lead containing materials, which were submitted to an accredited laboratory. Observations and analytical data were summarized in a DSS report and used to quantify the amount of asbestos and lead throughout the building. The report and technical specifications were included with the tender documents.

Peritus staff worked with the client and the contractor to develop an abatement plan including Type 3 abatement for plaster wall, Type 1 abatement for mastic and glove-bag operation for pipe wrap removal. Peritus staff completed multiple site inspections during the abatement process. Inspections were conducted prior to and during abatement to confirm enclosure setup and use of appropriate disposal containers. Final inspections were conducted to verify that the asbestos and lead containing materials were removed and disposed at an appropriate hazardous waste facility.