



Existing Building
Constructed in 1952
Toronto, Ontario

**“The
designated
substances
survey was
used to identify
sources of
asbestos and
lead for
abatement and
demolition
purposes.”**



Fig. 1—Asbestos was found in the pipe wrap

The Problem

An existing building was scheduled to be demolished and replaced by a new high-rise residential/commercial building. To ensure the safety of all demolition workers, a designated substances survey (DSS) was required. The six-storey commercial building was constructed in 1952. Given the age of the building, it was common practice for the building materials to be constructed with

designated substances such as asbestos and lead based paint. Peritus was retained to conduct a DSS of the building in accordance with Ontario Regulation (O.Reg.) 278/05 and O.Reg.490/09, as amended, to determine the presence of any designated substances.



Fig. 2—Floor tile containing asbestos

The Solution

The building was fully inspected using intrusive techniques. An initial visual inspection of all floors of the building was conducted followed by destructive testing. Samples were collected and analyzed for asbestos and lead. Visual observations and analytical data were summarized in a DSS report and quantified the amount of asbestos and lead in the building. The report was used by contractors for the abatement process.

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