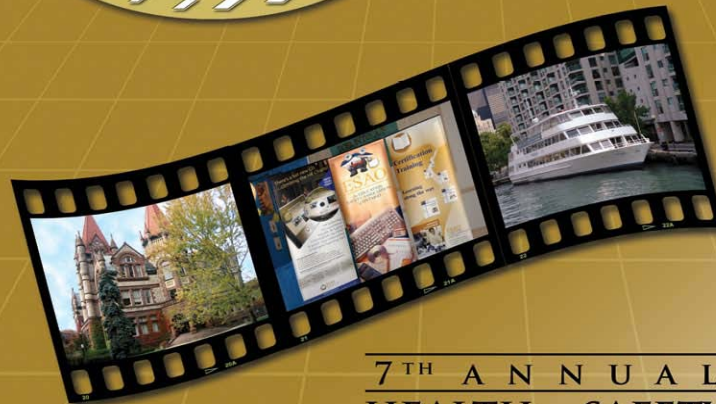


Health & Safety



*Health & Safety:
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**7TH ANNUAL
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May 30 - June 1, 2007
Victoria University
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Health & Safety: Professional and Personal

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Ministry of Labour Representatives

Evelyn Stefov, M. Eng., P. Eng., Provincial
Specialist, Construction Health and Safety
Program

Chris Beatson, Provincial Specialist, Construction
Health and Safety Program

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History of the Regulation

- Reg. 570/82 now Reg. 837/90 filed 1982
- Construction projects excluded
- Royal Commission Report
- Reg. 654/85 subsequently Reg. 838/90 now Reg. 278/05

Construction Occupational Disease & Illness Statistics in Ontario

- According to WSIB data there are more deaths in construction from occupational disease than from traumatic injury.
- 498 total construction fatalities were recorded from 1996-2005:
 - 291 due to Occupational Disease
 - 207 from Traumatic Fatality

Source CSAO 2004 Annual Report

Construction Occupational Disease & Illness Statistics in Ontario (cont'd)

Table 1: January 1, 1996 to December 31, 2005*

Cause of death	Total 10 years
Pleural mesothelioma	146
Peritoneal mesothelioma	6
Lung cancer	76
Asbestosis	11
Pulmonary fibrosis	6
All other diseases	46
Total	291

Source CSAO 2004 Annual Report

*Excluding 100% permanent disability pension claims

Construction Occupational Disease & Illness Statistics in Ontario (cont'd)

Table 1: January 1, 1996 to December 31, 2005*

Occupational Disease	Total 10 years
Plumber/Pipefitter & Related	74
Insulator	43
Electrician	36
Labourers	38
Various metal related work	28
Others	72
Total	291

Source CSAO 2004 Annual Report

*Excluding 100% permanent disability pension claims

Rationale Review of Regulation 838

- Provide construction and maintenance/repair workers with a comparable standard of protection to workers covered by Regulation respecting Asbestos – Regulation 837
- Replace outdated standards and codes
- Update safe work measures and procedures
- Strengthen training requirements by requiring worker and supervisor certification

Consultation Process

- Public consultation held from October until December 2004
- Review stakeholder submissions (70) and meetings with a number of stakeholders
- Spring 2005 the Minister of Labour and Cabinet approved the proposed draft
- O. Reg. 278/05 became law June 25, 2005 and came into force November 1, 2005

O. Reg. 278/05 Effective November 1, 2005

Regulation 278/05 came into effect November 1, 2005

- Contains significant changes and updates to the old Regulation
- Brings new requirements for negative air and clearance monitoring
- Adds 2 new requirements with delayed implementation November 1, 2007

O. Reg. 278/05 Sections Effective November 1, 2007

- The asbestos management program, under Section 8 of the regulation must include both friable and non-friable asbestos-containing materials as of November 1, 2007
- The Asbestos Abatement Worker 253W and Supervisor 253S training programs approved by MTCU must be successfully completed by November 1, 2007 - <http://www.edu.gov.on.ca/eng/tcu/>

Application of the Regulation

Projects

- New Construction, Demolition, Repair

Buildings

- Maintenance, Repair, Alteration

Workplace Parties

- Owners, Constructors, Employers, Workers

Key Highlights

- Introduces a definition for asbestos-containing material (ACM)
- Provides new and updated requirements for asbestos bulk sample analysis
- Includes the identification of non-friable asbestos in the asbestos management program
- Clarifies the duties of an owner to inspect for asbestos and the intent of the asbestos management program
- Reclassifies work activities and procedures
- Updates the respiratory protection requirements

Key Highlights... (cont'd)

- Introduces new training requirements for workers and supervisors involved in Type 3 operations
- Introduces glove bag requirements and procedures
- Requires the use of negative air pressure to prevent the leakage and clearance air testing
- Revises the Asbestos Variance Program
- Introduces new requirements to identify the non-friable asbestos containing materials and new certification for workers and supervisors that are involved in Type 3 operation November 1, 2007

Enforcement Activity

Orders issued since November 1, 2005 until April 2007

- Total Number of Orders under 278/05 all sections: **640**
- Orders Management Programs under Section 7: **265**
- Orders Bulk Sampling analysis under Section 3: **13**

Common Types of ACM in Buildings

- Sprayed on fireproofing
- Thermal insulation
- Acoustical and decorative plaster
- Drywall joint compounds
- Cement asbestos (Transite)
- Acoustical ceiling tiles
- Vinyl and asphalt floor tiles

Major Accomplishments

- A new more protective Regulation
- Certification of asbestos abatement workers and supervisors
- Research advances in early detection and treatment of Mesothelioma
- Prevention information for workers and physicians

Major Challenges

- Identification of non-friable materials
- Drywall removal as Type 2 Operations
- Asbestos still present in buildings and industrial plants
- Vigilance in protecting workers, occupants and families
- Prevention of future deaths due to asbestos exposure

Useful Links

- **Ministry of Labour** – www.labour.gov.on.ca
- **Regulations** – www.e-laws.gov.on.ca
- **Ministry of Training Colleges and Universities**
<http://www.edu.gov.on.ca/eng/tcu/>
- **Ministry of Environment** -
<http://www.ene.gov.on.ca/envision/gp/3242.htm>,
<http://www.ene.gov.on.ca/envision/gp/0271.htm>
- **Health Canada** - http://www.hc-sc.gc.ca/cps-spc/house-domes/decor/construct/asbestos-amiante/index_e.html
- **US EPA**
http://www.epa.gov/asbestos/pubs/asbestos_in_schools.html
- **OSHA** - <http://www.osha.gov/SLTC/asbestos/>

Questions
