

## Burlington Water Purification Plant Polyurethane Injection

**Project:** Burlington Water Purification Plant  
Polyurethane Pressure injection

**Location:** Burlington, ON

**Client:** Regional Municipality of Halton

**Completion:** January, 2006



### Background:

During a recent inspection of the sand filtration cells of the Burlington Water Filtration Plant, the Regional Municipality of Halton found evidence of leakage in an expansion joint between a spillway carrying untreated water and one of the filter cells. In order to prevent potential contamination of the filtered water, the region decided to repair the defective joint.

### Scope of Work:

Advanced Concrete Solutions was called upon to properly repair the expansion joint. The scope of work included the following:

- ensure adherence to all safety and confined space entry requirements
- preparation, cleaning and repair of the joint using high-pressure polyurethane injection. This procedure utilizes a hydrophobic polyurethane resin which, once cured, produces a flexible, water-tight seal.



Advanced Concrete Solutions has the expertise and experience required for projects like this one where sub-standard work could prove dangerous. The Region of Halton continues to trust ACS to do the job right the first time.

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