

## **October 23, 2018 - Tomahawk Cleans and Lines 100mm (4") Service Pipe to Building at CNL, in Chalk River, Ontario**

### **Pre-Project Condition:**

This project contained a 100mm (4") cast iron water service main into a building carrying both potable and fire water. The pipe was highly tuberculated causing flow rate and pressure concerns especially for fire-fighting purposes.



Pictures: Above left, interior (vertical) end of water service line before cleaning, center, after cleaning, right, after lining with Tomahawk BluKote™.

### **Project Details**

**Location:** Canadian Nuclear Laboratories, Chalk River, Ontario

**Tomahawk Licensee:** Envirolitics Engineering Inc.

**Pipe Details:** The pipe was structurally sound. Pipe consisted of a horizontal buried pipe leading from the watermain service, under the building foundation, 90° of vertical bend, then up through the building's interior floor

**Pipe Size, Material:** 100mm (4"), Ductile Iron

**Pipe Age:** 45 years

**Cleaning Technology:** Tomahawk™ System by Envirolitics

**Lining Technology:** Tomahawk airborne lining, BluKote™

**Results:** Water flow rate was restored to original design, improving potable and fire flows. The pipe's useable life was extended by decades. Tomahawk's insitu pipe rehab process eliminated the need to dig-up the building's floor and foundation to replace pipe.



Pictures: Above left, cleaning operations outside of building, above top right, exterior horizontal end of pipe after cleaning, lower right, after lining with Tomahawk BluKote™.

For more information about Tomahawk cleaning and lining, contact us at [info@envirologics.ca](mailto:info@envirologics.ca) or 1-800-267-9810.