

### **SealBoss Case Study**

**Date of Completion:** October 2020

**Location:** Grand Forks Regional Water Treatment Plant – North Dakota, USA

**Contractor:** CE-US

**Engineering Firm:** AE2S

**Scope:**

Regional Water Treatment Plant had active leaks throughout the indoor facility, previous attempts to stop the leak had failed, both mastic and injection waterstop products were used. Contractor was tasked with finding a suitable solution and preform repair to pass inspection.

**Repair Method:**

SealBoss 1510 NSF/ANSI 61 Drinking Water Contact Certified Water Stop Foam was approved as a suitable product for the repairs by the Engineer to be used. SealBoss provided an on-site technical representative to train the Contractor on injection methods using a high-pressure injection pump and mechanical injection packers. The injection packers were placed roughly 6" from the crack in 1/2" holes that were drilled at a 45-degree angle back into the crack. 1510 was injected until positive refusal of the hydro-active resin was visible from the face of the crack.

**Products Used:**

**Injection Resin:** SealBoss 1510 w/ 15x Accelerator

**Injection Packers:** 1/2" Aluminum Packers & 3/8" Plastic Packers

**High Pressure Pump:** P2002 Single Component Injection Pump

**Cleaning Materials:** Xylene, R70 Pump Flush, rags, bucket

**Additional Tools:** 18" x 1/2" drill bit -- 3/8" Crescent Wrench -- Dead Blow Hammer

Hammer Drill -- Access 110v Power -- Vacuum