

# RCAP Project Highlights



**Location:** Canton, ME – Oxford County

**Problem:**

Compliance with Safe Drinking Water Act

**Solution:**

During the 2009-2013 program years, RCAP Solutions assisted the Canton Water District to meet disinfection by-products regulatory requirements and best management practices to meet basic health standards. This assistance included review of engineering DPB study and collaborating with others on a funding solution for this low-income system.

RCAP Solutions also completed the leveraging of SRF and CDBG applications that facilitated 100% grant money for the project.



Hatch Entrance to the filter bed



## Canton Water District *Disinfection By-Products Violation*

The Canton Water District located in south central Maine serves a population of 285 people. The median household income of the water district approximately \$8400.

The water source is Lake Anasagunticook. Water is treated through a slow-sand filter and chlorine. Slow-sand filtering does an inefficient job of filtering organic material. Chlorine reacts with the organics and causes carcinogenic byproducts to form. The solution was to improve the filter system and install a groundwater blending well.

RCAP Solutions assisted the district qualify for \$219K grant by writing a CDBG application and helping with qualifying and leveraging Maine Drinking Water State Revolving Fund. In 2012, these funds installed a carbon layer in the three filter beds, installed back-wash piping for the filters and drilled a groundwater blending well to decrease organics. Such improvements aided in solving the DBP violation.



RCAP Solutions works with communities to address a broad range of needs, including community infrastructure, and to promote public, environmental, and economic health.

RCAP Solutions is a member of the Rural Community Assistance Partnership. RCAP is a national network of regional nonprofit organizations that provide comprehensive, on-site technical assistance and training to help small, rural communities address their drinking water, wastewater, and other community development needs.

**For more information**

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