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.