

City of Warm Springs Water Treatment Improvements Radium Removal Meriwether County, Georgia

Services Provided:

Water Treatment Design
Funding Procurement
Pilot Study
Design and Permitting
Construction Observation
Interagency Coordination

Project Data:

Filter Design
Chemical Feed
Hydraulic Improvements

Total Project Cost:
\$610,000

Date of Completion:
August 2014

Contact:

City of Warm Springs
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The City of Warm Springs has utilized its Cold Springs as its water source since the 1940's. However in 2009, the City's water source became in violation of the Georgia Environmental Protection Division (EPD) rules concerning excess radium levels in the Cold Springs water supply. The water supply exceeded the Maximum Contaminant Level (MCL) for Combined Radium as well as for Gross Alpha Particle Activity.

The City of Warm Springs contracted with EMI to perform feasibility studies to determine the best solution for radium removal, and subsequent permitting, funding, and design. EMI conducted an extensive Pilot Study on site, and the test results were prepared and submitted to Georgia EPD. Georgia EPD concluded that the Greensand Filtration is a viable option to reduce radium levels as recommended by EMI.

EMI also assisted the City in procuring grant funding with the Department of Community Affairs, CDBG Program. EMI subsequently developed final design and construction plans to add the filtration system, necessary chemical feeds, and hydraulic upgrades to retrofit the City's existing treatment facility at the Cold Springs. The project began construction currently in February 2014.