

NORTH PLYMOUTH WELL WATER TREATMENT PLANT

Owner: Water Division, Department of Public Works
Plymouth, MA

Contact: Paul Wohler, Director
Utilities Division, Department of Public Works
11 Lincoln Street
Plymouth, MA 02360

Telephone: 508-747-1620 ext. 129

Key Personnel: David A. Jacobsen, P.E.
Richard S. Johnson, P.E.

PROJECT DESCRIPTION



Our work for Plymouth Water Division included design and services during construction for a new water treatment facility. Treatment removes ethylene dibromide (EDB) from groundwater from an existing 1.5 mgd supply well.

The treatment facility included two granulated activated carbon (GAC) pressure filters for EDB removal, sodium hydroxide for pH adjustment and sodium hypochlorite for disinfection.

Construction was funded through a loan from the Massachusetts SRF program. Construction services included bid evaluation, shop drawing review, inspection and startup. The facility was completed in 2002.

MEMORIAL WATER TREATMENT PLANT

Owner: Water Department
Avon, MA

Contact: John Tetreault, Superintendent
65 East Main Street
Avon, MA, 02322

Telephone: 508-588-0414

Key Personnel: David A. Jacobsen, P.E.
Ryan J. Trahan, P.E.

PROJECT DESCRIPTION

Our work on the Memorial Water Treatment Plant project has included pilot testing, design and engineering services during construction for a new water treatment plant. Pilot testing included evaluation of two membrane filtration (ultra-filtration) and two pressure filtration processes for iron and manganese removal and evaluation of one granular activated carbon filtration process for MTBE removal. Two vertical turbine pumps and interfacing with an existing SCADA system are part of the project. The Water Treatment Plant has been online since October 2009.

