

WASTEWATER TREATMENT PLANT EXPANSION, COHASSET, MA

Client: Board of Sewer Commissioners
Cohasset, MA

Project Manager:
Daniel J. Coughlin, P.E.

Mr. Coughlin was the Project Principal for the 2008 Cohasset Wastewater Treatment Facility (WTF) expansion increasing capacity from 300,000 GPD to 450,000 GPD. Mr. Coughlin was responsible for the design, permitting and construction management of the project and provided start-up services for the facility. Work was performed while maintaining the existing treatment process in full operation and maintaining it in permit compliance. Work included influent pump station flood-proofing, the addition of bathroom facilities at the station, building ventilation system upgrades, upgrade of several pumping components throughout the plant, the addition of a new wedge-wire influent screening system, new membrane filtration cassettes and support system, reactor tank cleaning, sealing and coating, supplemental fine bubble aeration, UV Disinfection hydraulic upgrades, High Flow piping provisions, UV/Peroxide enhanced disinfection provisions, pH adjustment chemical feed systems, effluent pump replacement, the addition of a plant water system and various monitoring and control system upgrades.

The treatment plant upgrade work was conducted in response to a state mandated sewer system expansion. Mr. Coughlin provided coordination with state regulatory officials, and coordinated the obtaining of SRF funding for the project through the Water Pollution Abatement Trust. Work was also conducted during the transition to a new contract operator requiring additional engineering and operational support as the expanded sewer collection facilities came on-line.

The total value of new facilities was over \$3,000,000.



Coughlin Environmental Services, LLC

62 Montvale Avenue
Stoneham, MA 02180-3637

Phone: 781-832-1002
Fax: 781-438-9654

Email: mail@coughlinenvironmental.com

Client
&
Quality
First

