

WESTFORD REGENCY INN WWTP, WESTFORD, MA

Client: Westford Regency Inn,
Westford, MA

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

Mr. Coughlin was Project Manager for the design review, construction, operation and maintenance monitoring of a small Rotating Biological Contactor (RBC) wastewater treatment plant located a short distance away from the rental units at the Westford Regency Inn. The 0.05 MGD WWTP was designed and permitted by another engineering firm; however, due to perceived short coming in their design and in their construction services to the Inn, Mr. Coughlin was brought on board to conduct a design review of the facility, to provide additional design and support services during the construction, provide start-up support services and to provide operational support to contract operators to ensure that the facilities satisfied the Groundwater Discharge Permit limits.

After start-up, Mr. Coughlin was retained for a one year period to conduct monthly inspections of the treatment facilities, and review operational settings and performance data in order to ensure permit compliance. Recommendations were developed for increased BOD removal, control of odors, control of humidity levels within the treatment building, and for equipment maintenance to better ensure performance and extend equipment life. The treatment plant includes primary settling, aerobic RBC treatment, secondary clarification, tertiary sand filtration, effluent chlorination and disposal field pressure dosing. Effluent quality was excellent with BOD and TSS less than 10 mg/l.

The total value of proposed facilities was over \$200,000.



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