



DEPARTMENT OF
PUBLIC WORKS

Project: **Rogers Street Pump Station Upgrade**

Contact Person: **Lorraine Sander, Wastewater Superintendent**

The Rogers Street Pump Station is located at 3 Rogers Street and is situated on the east bank of the Concord River just south of Mount Pleasant Street. This station was constructed in 1966, upgraded in 1990 and handles about 90% of the wastewater flow from the Town.

Another upgrade of this pump station is necessary at this time in order for the pump station to continue reliable operation due to the age of the equipment and to be able to handle both existing and projected future wastewater flows. Further contributing to the necessity for upgrades to this station was a requirement from MassDEP's 2009 Sewer Extension Permit submitted for Sewer Contract 34B, which stated that improvements to this station be completed prior to allowing any discharge from further sewer expansion projects after Sewer 34B.



Rogers Street Pump Station

The main objective of the Rogers Street Pump Station Upgrade project is to ensure sufficient pumping capacity for an increase in flow due to the addition of over 10 miles of sewer from Sewer Contract 34 in East Billerica that is pumped to Rogers Street via Brown Street Pump Station and additional future flow from identified needs areas tributary to the Concord River Interceptor. The Rogers Street Pump Station receives flow from local sewers, the Brown Street Pump Station (30% of its flow) and the Concord River Interceptor. Flow from this station is discharged directly to the Letchworth Avenue Wastewater Treatment Facility headworks; therefore, its ability to function properly is directly related to the plant's successful operation.

Improvements to the station include the addition of a new odor control system; new pumps with VFD controls; new instrumentation and control system with SCADA; improved lighting systems; new HVAC system; electrical system improvements; and a new piping configuration and pump bypass arrangement.

The Rogers Street Pump Station Upgrade will serve to address part of the comprehensive control strategy for fecal coliform outlined in the Concord River Watershed Plan by increasing station reliability and reducing or eliminating wet and dry weather pump station overflows.

Funding for the project was approved at the Spring 2008 Town Meeting. The construction contract is in the process of being awarded to Methuen Construction Company for \$ 772,854. Work has not been scheduled.