

## **GREEN INFRASTRUCTURE BUSINESS CASE**

### **Brodhead Creek Regional Authority - Stroudsburg WWTP Upgrade and Expansion ME #77016**

#### **Supporting Documentation:**

**Stroudsburg Email.pdf**

#### **Problem Description**

This project is intended to address the following problems: restore the permitted capacity for Stroudsburg and Stroud; provide wastewater treatment in Pocono/Hamilton where there are malfunctioning on-lot disposal systems and 7 private WWTPs; achieve more stringent discharge permit limitations for the WWTP; accommodate anticipated commercial and industrial (Sanofi) growth; odors emanating from the WWTP; presence of chlorine at the WWTP (a toxic gas); lack of automation and associated operation and electric efficiencies at the WWTP; detailed alarm notification at the WWTP; and presence of overhead electrical wires within the WWTP that are a work hazard. The project will provide regional wastewater treatment and eliminate malfunctioning on-lot disposal systems and 7 private WWTPs and the associated impacts on water quality in the DEP designated High Quality portion of the Brodhead Creek watershed. Environmental benefits include eliminating the potential of surface water contamination resulting from malfunctioning on-lot systems.

#### **Project Description**

The project includes the upgrade and expansion of the Stroudsburg WWTP from its permitted capacity of 2.5 MGD (although its capacity is limited to 2.0 MGD due to its organic loading) to 4.5 MGD. Advanced treatment is needed to achieve new discharge limits imposed by the Delaware River Basin Commission (DRBC) and DEP in the new NPDES permit issued in January 2010.