

Wastewater/Sewer Department

In 2011, the wastewater treatment plant processed approximately 212,455,000 gallons (average 582,068 gallons per day) of wastewater from 825 connections. United Water of Auburn, NH is in the seventh year of contract operations of the sewer facilities including the wastewater treatment plant, Hadley Road head works, 5 pump stations and 15 miles of collection sewer. As part of their normal operations, United Water completed cleaning of approximately 15,000 linear feet of collection sewer and repaired 46 manholes during the year. The sewer cleaning program is part of a preventive maintenance program begun in 2004 addressing the sanitary sewer collection system, manholes and pump stations. During 2011, there were 27 callouts for sewer related problems (blockages or overflows).

The Town completed the second full year of operation of the advanced wastewater treatment plant built to comply with an EPA Administrative Order to meet more stringent effluent standards. The town also completed construction of a wastewater filtration process and installed two pellet boilers funded in part through a 50% grant from the American Recovery and Reinvestment Act (ARRA) also known as stimulus funds. The filtration system was completed and initiated operation last summer and the pellet boiler portion of the project came on-line last winter.



New filtration system at the wastewater treatment plant began operations during 2011

Total septage waste received at the new wastewater plant during 2011 was 1,220,233 gallons (equivalent to about 1,200 - 1,000 gallon septic tanks).

The Town also continued work on the system-wide infiltration/inflow program with particular attention to the area served by the Cross Street Pump Station. Examined were potential areas of infiltration (ground water entering the system through leaks in manholes and sewer mains) and inflow (non-sewage related drainage and sump pumps from private properties). DPW and

wastewater staff and a consultant updated collection system documents and older planning documents and completed extensive field work including video inspection, flow isolation and inspection of manhole in the study area.

The Town was advised by DES that replacement of the River Street and Nelson Circle sewer pump stations are eligible for funding (40%) from the State of New Hampshire CWSRF to supplement local funds that had been previously appropriated. Engineering design is expected to begin this year.