

WATER UTILITIES DEPARTMENT
564 Nashua Street, Milford, NH 03055 (603) 249-0660
2015 Annual Report

Please remember to contact the Water Utilities Department at 249-0667 prior to scheduling in-ground excavation on your property, as the responsibility lies with each property owner to request water/sewer service markings. DIGSAFE does not automatically notify the Water Utilities Department.

During 2015, the **Water Department personnel:**

- Repaired 9 water main breaks.
- Decommissioned/demolished the Prospect Hill water storage standpipe, built in 1889.
- Upgraded 2800' of water main between Border Street (from 4" to 8" pipe) and on Merrimack Road (from 4" to 6" pipe), which included reconnecting 35 customers.
- Added five hydrants and inspected the addition of 3300' of 12" water main on West Elm Street.
- Inspected the addition of three new hydrants and 1900' of 8" water main on West Meadow Dr.
- Inspected the addition of 750' of 10" water main on Scarborough Lane, as well as a new altitude valve assembly for the Dram Cup water storage tank and one new hydrant.

Throughout 2015, the **Collection System crew:**

- Inspected and cleaned approximately 80,000' of sewer main and inspected approximately 420 manholes.
- Performed weekly inspections of all pump stations and siphon chambers.
- Video-inspected the sewer interceptor from Wilton town line to the wastewater treatment works at 564 Nashua Street, approximately 5.5 miles of 18" – 36" sewer main.
- Inspected the addition of 2500' of new sewer main at West Meadows Court off of West Street, with service connections for 34 new homes.
- Inspected the addition of 700' of new sewer main on Scarborough Lane.
- Repaired manholes on West, Crosby, Vine and Nashua Streets, Harvest Drive, and Monson Place.
- Repaired five service connections along Monson Place, Prospect and Vine Streets.
- Installed cured-in-place pipes for a distance of 750' of sewer main along Monson Place, Prospect and Vine Streets.
- Installed a new secondary scum pit system within the wastewater treatment works.

The in-house **Wastewater Operations** staff responsibly coordinated and completed the following:

- Submitted an updated Stormwater Pollution Prevention Plan for Oil Spill Prevention, Control and Countermeasures documentation to the NH DES.
- Replaced structural steel catwalk and repaired the scraper arm system in primary clarifier #1.
- Had a new dump body installed on our GMC dump truck.
- Installed a new rotary lobe style pump and piping for our secondary waste system, which is much more efficient than the original plunger style pump.
- Installed all new safety grating in our headworks building.
- Installed new grit screw hangers and bearings on our grit removal system.
- Installed new water backflow devices in our administration building.
- Rebuilt three boom pistons on our New Holland backhoe.
- Installed a new gear box for our magnesium hydroxide mixing system.
- Installed a new return pump and piping for our aeration nitrate return system.
- Rebuilt gearbox for our Kubota tractor.
- Installed two new computers and upgraded our process control SCADA system.
- Installed new heating system and changed over to propane in our compost garage.
- Installed three new lobby and three new cafeteria windows.

For the EPA-mandated **Industrial Pretreatment Program**, the following was accomplished:

- Re-issued five industrial discharge permits
- Inspected five Class 1, and five Class 2 industrial users
- Sampled wastewater discharges at five industrial users.
- Issued two industrial waste survey questionnaires.
- Revised three industrial discharge permits.

Operational tours may be scheduled during regular business hours, 7:00 a.m. – 3:30 p.m., Monday through Friday by calling 249-0662.

Respectfully submitted,

David L. Boucher
Director

WATER DEPARTMENT

2015 ANNUAL SUMMARY OF OPERATIONS

Curtis Well	318,679,000 Gallons
Pennichuck Water	21,632,000 Gallons
Total Water Pumped	340,311,000 Gallons
Average Demand	932,359 Gallons/Day
Over 1 Million Gallons*	95 Days
Annual Rainfall	40.08 Inches

*Number of days that the Town pumped 1 million gallons or more of water.

WASTEWATER FACILITY

2015 ANNUAL SUMMARY OF OPERATIONS

Milford Flow Treated	425,987,756 Gallons
Wilton Flow Treated**	56,259,800 Gallons
Septage Treated	3,772,444 Gallons
Total Flow Treated	486,020,000 Gallons
Average Flow Treated	1,331,562 Gallons/Day
Design Flow	2,150,000 Gallons/Day
Daily Average Hydraulic Load	62 % of Design
Annual Rainfall	40.08 Inches

** Wilton contributed 11.58% of the avg. daily flow