

2009 ANNUAL REPORT OF THE TOWN OF EASTON WATER DIVISION

MISSION STATEMENT

The Easton Water Division is dedicated to providing, protecting and preserving today's water supplies for tomorrow's consumers. Our commitment is to supply quality water that complies with all State & Federal standards, provide education and excellent customer service, and to be the leaders of our profession.

I respectfully submit the following report and pumping record for the year 2009.

Month	Gallons	Month	Gallons
January	46,348,000	July	56,038,000
February	41,002,000	August	69,031,000
March	47,506,000	September	61,882,000
April	53,244,000	October	47,550,000
May	60,020,000	November	43,455,000
June	59,127,000	December	43,938,000
Total Pumped			629,141,000

The greatest amount pumped in one day was 2,758,000 gallons on August 17, 2009.

The Water Division responded to 2,960 service and emergency calls:

Connected 26 new services for a total of 7,285 active services

Replaced 787 meters

Renewed 42 services

Repaired 9 service leaks

Repaired 14 broken water mains

2 – 6" main, 11 – 8" mains, 1 – 12" main

Thawed 18 frozen services

Repaired 10 fire hydrants

Replace 3 fire hydrants

Performed routine maintenance on 770 hydrants

In 2009, new subdivisions and water main improvements added to our system:

90' of 4" water main

600' of 6" water main

1,190' of 8" water main

10 new fire hydrants

19 new valves

We now have a total of 161 miles of water mains, 1,359 hydrants and 3,186 street valves in our system.

The Water Division read 85,349 meters during the past year. All reading data is analyzed to help meet state regulations and also used as a tool to help notify customers of potential leaks within their plumbing systems. We processed 29,052 routine water bills, 179 property transfer bills and 327 miscellaneous bills.

This completed the twentieth (21) year of our Backflow Prevention Program. Since 1989, we have conducted 809 surveys of facilities to ensure appropriate backflow prevention devices. This year 117 commercial buildings, 51 institutional buildings and 17 municipal buildings were surveyed. We have 293 testable devices in the system, 168 double check valve assemblies, 125 reduced pressure zone backflow preventers and 14 non-required devices. This year 389 backflow prevention device tests were performed.

In order to meet the requirements of the Federal Safe Drinking Water Act, we have taken the following samples for analysis:

605	Bacteriological
7	Nitrate
2	Nitrite
3	Routine chemical
34	Secondary contaminants
2	Volatile Organic Compounds (VOC)
2,922+/-	pH
2,556+/-	Chlorine residual
20	Trihalomethane
24	Haloacetic Acids (HAA5)
1	Perchlorate
21	Iron
21	Manganese
17	Tannic Acid
1	Inorganic (IOC)
4	Radium 226 & 228
8	Unregulated Contaminant Monitoring Rule Samples (UCMR)
21	Dissolved Organic Carbon (DOC)
20	Total Organic Carbon (TOC)
21	Total Suspended Solids (TSS)

The Massachusetts Department of Environmental Protection completed its review of the Town of Easton's Water Management permit to withdraw water from the Taunton River Basin. This review and findings modified our existing permit to include performance standards of 65 gallons per day or less for residential per capita water use and 10% or less for unaccounted for water. As part of the standard we now are required to have mandatory water restrictions in place each year from May 1st to November 1st. The severities of the restrictions are base on how we do as a community with meeting these performance standards. Currently the Water Division performs many programs to lessen unaccounted for water as well as notifying our customers of potential leaks within their plumbing system. It is important that consumers help by practicing good water conservation and repair any leaks within the plumbing system as soon as they become aware of them.

In 2008, the Massachusetts Department of Environmental Protection coordinated a targeted pilot project involving a total of 14 municipal wastewater treatment plants and drinking water treatment facilities through energy auditing, assessments for renewable & clean energy possibilities and support for implementation of energy-related projects. As part of this project, we were approved for financing through the Drinking Water State Revolving Fund (DWSRF) program for the installation of a 50 kW Solar Photovoltaic Project to be installed at Pumping Station #2. The DWSRF is a joint federal-state financing program that provides subsidized interest loans to water suppliers for their system infrastructure. However, due to the availability of federal stimulus funding provided by the American Recovery and Reinvestment Act of 2009 (ARRA), this appropriation will be reduced as principal forgiveness. Currently design has begun and the project is anticipated to be completed by the end of 2010.

We continue to survey the water system for leaks using conventional and digital correlation technology. We have completed 27 system-wide leak surveys since 1982. This program enables us to maintain low unaccounted-for water.

Water system flushing is a crucial element of maintaining our water system. We completed our 16th consecutive annual system-wide unidirectional (UDF) flushing program during the month of April. Unidirectional flushing is a technique that removes mineral and biological deposits in water lines by moving water through the mains at high velocity in a single direction. This program is our most effective tool in maintaining water quality and delivery of safe water to your tap.

The Water Division continues the system improvements along Sheridan Street and Day Street (Sheridan Street to Lincoln Street). This project consists of renewing the water services by removing them from the water mains that were installed in the late 1800's to the newer 12" ductile iron water main that was installed in 1978. This past year we renewed 42 services for a total of 82 renewals. With this work completed to date we have been able to take 2,145 feet of the older water main out of service.

The meeting room at the Easton Water Division office at 417 Bay Road continues to be in high demand, as one of the only town meeting rooms.

We conducted our Annual Household Hazardous Waste Collection Day on April 25, 2009 with 566 residents participating at a cost of \$13,459.94 to the Town. I would like to thank the Easton Lions Club for their continued effort in assisting in this event with the collection of televisions, computer monitors, and white goods. Our collection day for 2010 has been scheduled for April 24th.

The Water Division hosted its 25th Annual Open House on Saturday, May 2, 2009 with the highlight being the Award Ceremony of our Annual Water Conservation Poster Contest. Hundreds of posters are judged from the 3rd, 4th, and 5th grades. This contest could not be possible without the excellent cooperation of the Easton School System—especially, Dr. William Simmons, School Superintendent, Dr. Michael A. Green, Administrative Assistant to the Superintendent, Christine DiVirgilio, Achim Krasenbrink, Susan Masse, Kathie Hayes, and Betty Minuskin of the Art Department. This contest provides a perfect medium to educate the students to the value of water and the need to protect it. We look forward to our 26th Open House being held on May 1, 2010.

We assisted the Canoe River Aquifer Advisory Committee in its efforts throughout the year. We attended 10 of their 11 scheduled meetings. We also attended their annual awareness day held at the Bass Pro Shops, on May 9, 2009.

The Water Division continues to remain leaders within the water works industry. Our employees are dedicated and committed to their jobs. As a manager, it is certainly rewarding to have employees of this caliber and I would like to personally thank all of them for their continued efforts: Shirley Tufts, Janice Jacobson, Karen Gallo, John Fresh, Jr., Raymond Keyes, Richard Mueda, Joshua Ford, Joseph Richard, Michael O'Toole, Jeffery Cloonan, Brian O'Neill, Scott Swale and Andy Howarth.

“With Water Works Pride”

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