



**HACKETTSTOWN  
MUNICIPAL UTILITIES AUTHORITY**

**QUARTERLY REPORT**

**1<sup>st</sup> Quarter 2011**

**January, February & March**



**HMUA at a Glance:**

**Authority Board Members**

Chairman	Edward Kelly
Vice Chairman	Gerald DiMaio Jr.
Board Member	John M. DiMaio
Board Member	Harry E. Brown
Board Member	William Harper

**Authority Administrative Staff**

Executive Director	Bruce D. Smith
Qualified Purchasing Agent	Deborah Palma

**Mission Statement:**

*“The HMUA is committed to providing the community with safe, clean drinking water and quality wastewater management, while maintaining the highest standards of customer service.”*

Water Customer Accounts	6,451
Sewer Customer Accounts	5,936

**Website Improvements**



The HMUA implemented a website [www.hmua.com](http://www.hmua.com) for customers in 1999. In response to the NJ State Comptroller On-Line Transparency Report issued in February 2011, the HMUA has implemented all the changes recommended in the Report and more. Changes include the following:

- More information “About the HMUA” including names of Board Members and listing of responsible official with contact information.
- Meeting Schedule including Meeting Agendas and Minutes.
- Annual Water and Sewer Utility Budgets as approved by DCA
- Annual Audit Reports
- Annual Facilities Inspection Report
- Annual Water Quality Report



**Number of Employees with NJ Certifications**

Public Wastewater Treatment

2 - S4 Classification, 1 - S3 Classification and 2 - S1 Classification

Wastewater Collection

1 - C4 Classification, 1 - C2 Classification, 2 - C1 Classification and 2 - CN Classification

Industrial Wastewater Treatment

1 - N4 Classification

Water Treatment

1 - T4 Classification, 4 - T2 Classification and 1 - T1 Classification

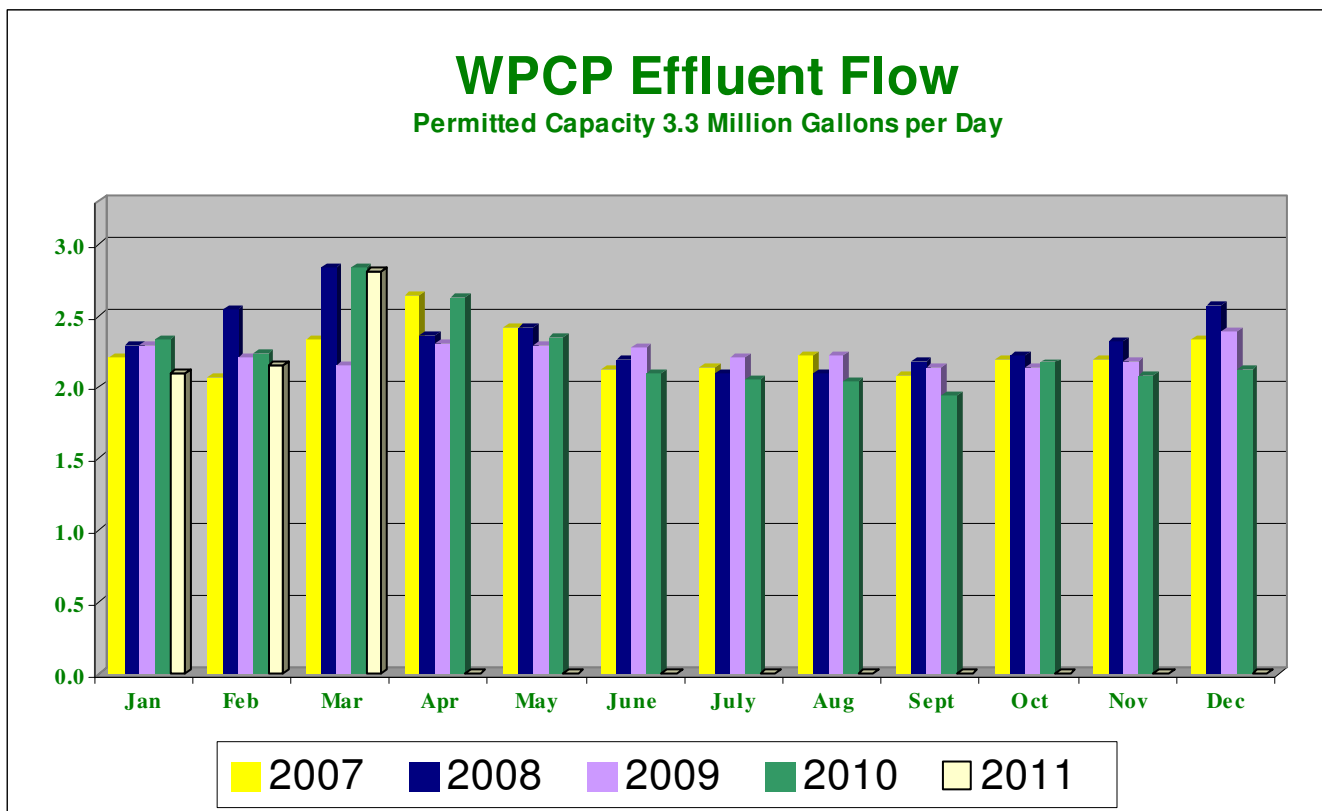
Water Distribution

1 - W4 Classification, 3 - W3 Classification, 1 - W2 Classification and 1 - W1 Classification

Qualified Purchasing Agent – 1

**SEWER UTILITY**

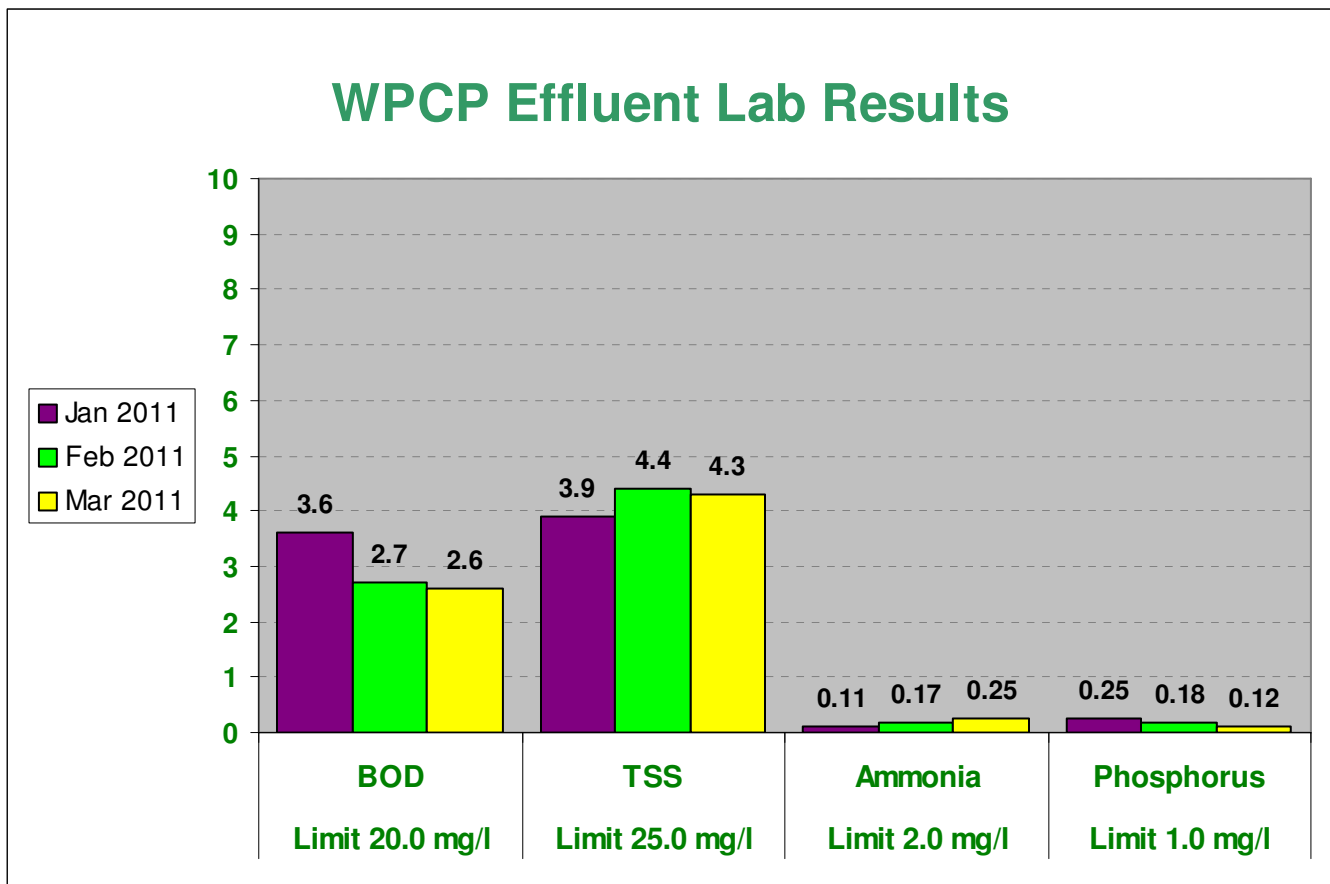
The HMUA wastewater service area is 6.74 square miles and includes nearly all of the Town of Hackettstown and portions of Independence and Mansfield Townships in Warren County and portions of Mount Olive and Washington Townships in Morris County. Wastewater is conveyed to the Water Pollution Control Plant via 79 miles of gravity sanitary sewer main. In addition, there are 2,130 manholes, four sewage pump stations and 1.4 miles of force-main.





The Water Pollution Control Plant (WPCP) was originally constructed and started operations in 1971. The facility was upgraded and expanded in 1993 and is now rated at 3.3 million gallons per day and is regulated under NJ Pollutant Discharge Elimination System Permit NJ0021369. The WPCP provides Advanced Tertiary treatment including removal of Nitrogen and Phosphorus, Ultraviolet Disinfection and Anaerobic Digestion of bio-solids.

WPCP Maintenance Work Orders Completed during 1<sup>st</sup> Quarter = 149



HMUA’s Water Pollution Control Plant consistently produces an effluent that is below NJPDES Permit Limitations. Although we routinely sample many other parameters, the four parameters listed (BOD – Biochemical Oxygen Demand, TSS – Total Suspended Solids, Ammonia and Phosphorus) are important parameters deemed representative of general treatment plant operations.

#### Sanitary Sewer Collection System

Customer Service Orders Completed during 1<sup>st</sup> Quarter = 23

Manholes checked = 30

Sewer Televised = 4,822 feet

Sewer Cleaned = 11,768 feet

Customer Sewer Laterals Televised = 26

Sewer Main Blockages = 0

Customer Lateral Blockages = 2

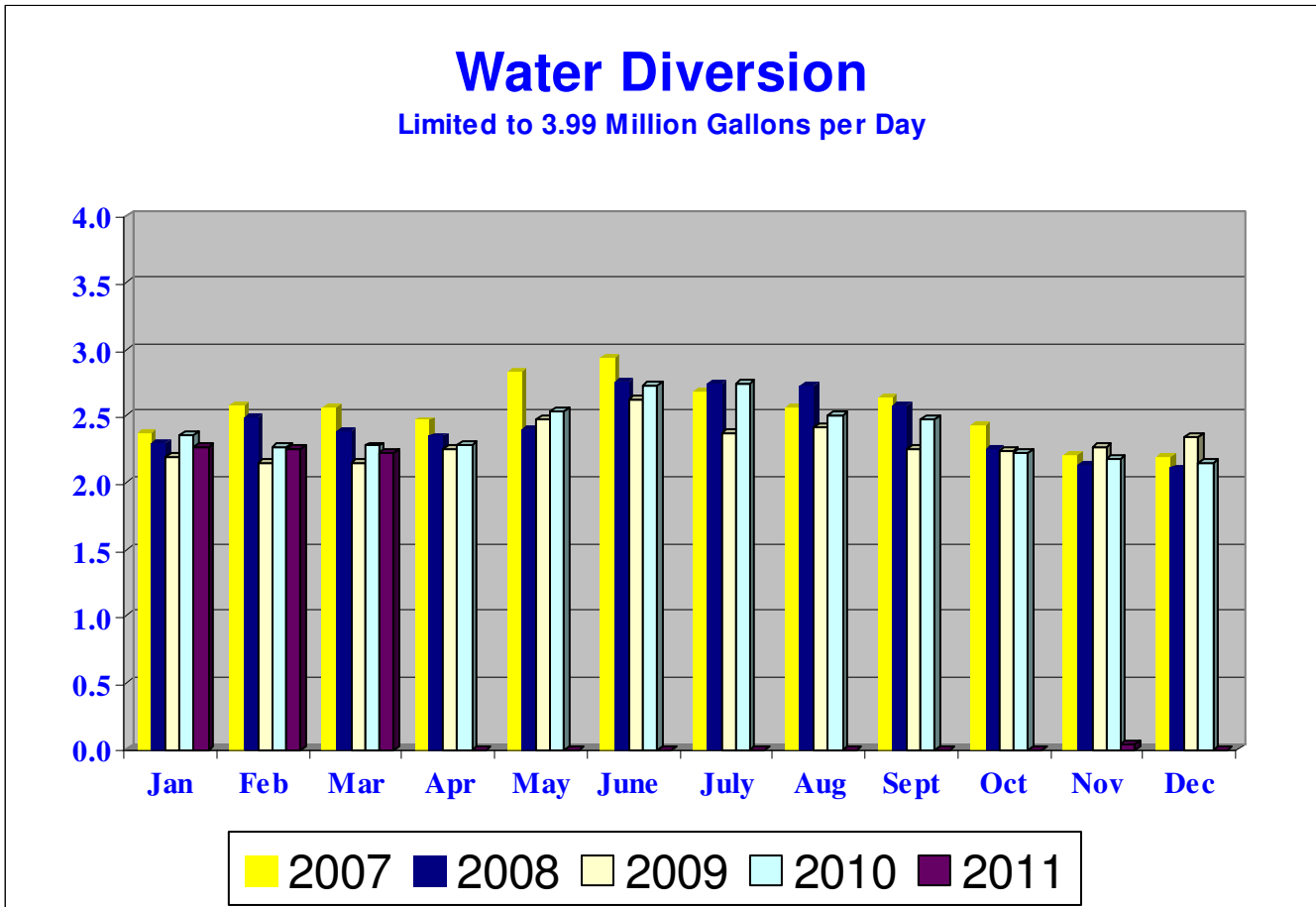


### March 10<sup>th</sup> Storm Event

During and after the March 10<sup>th</sup> Storm event, problems were encountered with excessive flows in the sanitary collection system in Diamond Hill. All the sewerage generated from this area flows to the Meadow Lane Pump Station for pumping to gravity sewer for conveyance to the Water Pollution Control Plant for treatment. Due to excessive flows in the system, it was necessary to retain the services of a private hauler to pump and transport excessive wastewater from the Pump Station, thus avoiding sewage backups into area homes. In an effort to determine the cause of the excessive flows, Sewer Utility personnel utilized the Sewer Camera System to locate and identify infiltration and inflow into the Collection System in the area. Staff was also able to obtain valuable information on problem areas and have already made several repairs. Problems were also discovered with customer connections including an illegal Sump Pump connection and groundwater leaking into customer sewer laterals. Customers have also made repairs and the sump pump has been disconnected.

### WATER UTILITY

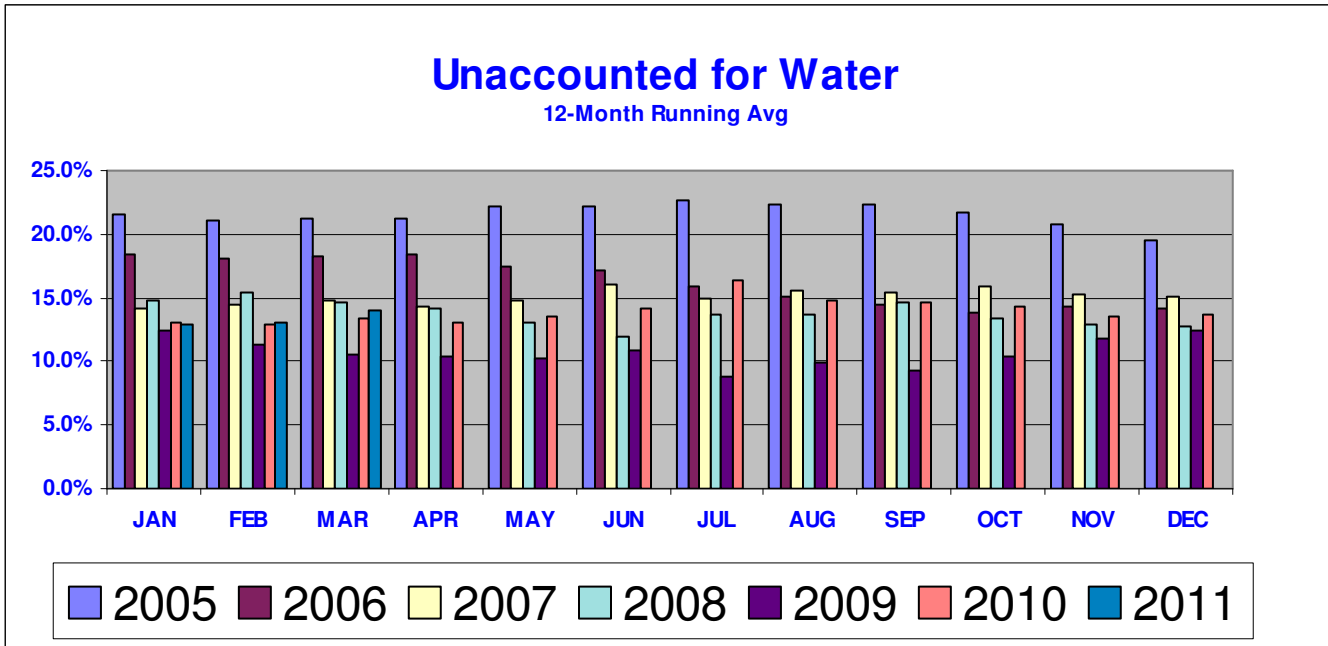
The HMUA water service area is 11.92 square miles and includes nearly all of the Town of Hackettstown and portions of Independence and Mansfield Townships in Warren County and portions of Mount Olive and Washington Townships in Morris County. Potable Water is distributed to customers from seven water supplies through 96 miles of water distribution main. In addition, there are 2.5 miles of raw water main, 700 fire hydrants, 2,224 valves, two water Booster Stations and four water tanks providing 4.3 million gallons of finished water storage.





The seven water supplies include six groundwater wells and a 1.0 million gallons per day water filtration plant completed in 1981. The Water Filtration Plant provides treatment of raw water from three water supply reservoirs. The HMUA Water System is regulated under Public Water System Identification (PWSID) number NJ2108001 and Water Allocation Permits WAP080001 (ID 5145) and WAP100001 (ID 5249).

Maintenance Work Orders Completed for 1<sup>st</sup> Quarter = 8  
 Customer Service Orders Completed for 1<sup>st</sup> Quarter = 396  
 Water Meter Change outs = 14  
 Utility Markouts = 132  
 Collections = 147  
 Water off at curb for repairs = 18



The Unaccounted for Water percentage for the 12-month period ending March 31, 2011 was 14.0%. The items contributing to Unaccounted for Water include system leakage, under-registration of customer water meters, theft of water from fire hydrants and illegal connections and fire fighting.

**SAFETY COMMITTEE**

The 1<sup>st</sup> Quarter Safety Committee meeting was conducted on March 30, 2011. It was reported that the NJ Utility Authorities (NJUA) Joint Insurance Fund awarded the HMUA a 2 Year Lost-Time Accident Free certificate for 2009 – 2010. The HMUA also was presented with the Annual Safety Award for 2010 (fourth straight year) for a perfect score in the NJUA Safety Incentive Program.