

WATER COMMISSIONER'S AND SUPERINTENDENT'S
REPORT

To the Residents of the Leicester Water Supply District:

The Commissioners and Superintendent respectfully submit the One Hundred and Twenty First Annual Report for the year ending Dec. 31, 2008.

WATER DEPARTMENT

Water quality coli form samples which included an additional test called heterotrophic plate count (HPC) which has no health effects and is an additional analytic method used to measure the variety of bacteria that are common in the drinking water. The samples were taken each month according to the Department of Environmental Protections Schedule at 4 locations, 124 Pine Street, 9 Water Street and 10 Market Street and at the water tanks. In addition to the 4 routine distribution samples, each well (5) was sampled each month with no violations for coliform during the past year 2008.

Haloacetic Acids and Trihalomethanes samples were taken each quarter during the previous year at 124 Pine Street to monitor for compounds associated with the chlorination added at the Jim Dandy well, Total Organic Compound samples were also taken for the Jim Dandy Well. There were no violations during 2008. Additional sampling sites are being added for the next year for the Haloacetic Acids and Trihalomethanes as required by the DEP.

Samples were taken from each well for Perchlorate in September with no violations from the DEP. Perchlorates are substances that have been found in the drinking water supplies that come from explosive powders such as fireworks, gun powders or blasting projects.

Volatile Organic Compound samples and Nitrates were taken at the #1, #2, #3, Jim Dandy and Rawson Street wells during the 2nd quarter. Volatile Organics are compounds found in the Drinking Water that originate from petroleum products leaching into the ground water. Nitrates indicate the presence of sewerage. The wells currently have no issues and sampling will continue annually to monitor these water sources.

Arsenic sampling continues each quarter at the #2 and #3 wells in Paxton and the #5 well in Leicester. The treatment system that was built for #2 and #3 wells in Paxton went on line in October 2008. As a result of the treatment system in Paxton the #3 well has been placed back actively on line together with the #2 well. The test results indicate that the arsenic is

being removed with no detection (ND) for the finish water being treated and pumped in Paxton. The arsenic maximum contaminant level (MCL) is 10 parts per billion.

A special Public Notice was sent in January 2009 announcing the MassDEP approval of the water treatment system for the #2 and #3 wells in Paxton.

The Arsenic samples from the #5 well on Rawson Street in Leicester have continued to drop with continued use with the well meeting the MCL during the last sampling quarter. However because the well is testing close to the MCL of 10 parts per billion, Treatment is going to be provided. Plans and Specifications have been approved by the DEP and the US Department of Agriculture Rural Development (USDARD). Bids for construction will be advertised in April 2009. In addition to the arsenic being removed the plans call for the removal of Radon which is currently not on the EPA list of contaminants but will be during the next round of enforcement orders. The treatment for #5 well will also include the removal of hydrogen sulfides which occasionally gives off a sulfur smell when aerated or sits in the water lines for a prolonged period of time...

The uranium issue for Rawson Street #5 well that originally created a Non Compliance Order from the DEP for treatment was discovered by the Superintendent as an error by DEP in recording the Uranium data from a sample testing in 2006. The DEP recorded a sample as 96 parts per billion when it should have been 9.6 parts per billion. As a result of the error the District notified the residence during 2007 and two quarters for 2008 for the uranium accident by Public Notice. The error has been corrected with the DEP rescinding the Non Compliance Order requirement to treat for uranium in the #5 well. The MCL for uranium is 30 parts per billion. The running annual average for Rawson Street #5 well is below 12 parts per billion.

Wells #1, Jim Dandy in Paxton currently have shown no Arsenic or Radionuclides exceedances for the new DEP limits of 10 parts per billion. Arsenic and Uranium is naturally occurring from the erosion of natural deposits in the rock structures of New England.

The #4 well on Whittemore Street was removed from service in 2002 because of the issues with Radionuclides and Arsenic. The Commissioners will revisit this well to decide if it is cost effective to provide a treatment or abandon this source.

A loan and grant from the US Department of Agriculture Rural Development (USDARD) was applied for in May 2008 for funding of the water treatment plants required for the removal of the arsenic in the drinking water.

In August an offer was made to the District for a water loan of \$525,000 and a grant of \$225,000 which the Commissioners have accepted. This will allow the district to fund the projects with a payback up to a 40 year term if they desire with an interest rate around 3.75% in addition to a grant close to 30%. As always there are no penalties for early payoffs if the District chooses.

The water meter replacement program with the upgrade to heresy radio read meters has been complete and is performing as expected. The meters are read by a lap top computer minimizing the reading process and insuring the readings are not visually miss read or entered incorrectly.

In June 2008, the Eighth Consumer Confidence reports were mailed to the District which included information for the previous year 2007

Each year the Consumer Confidence reports are mailed to the residence of the District by June 30 and include the information about water quality of each source, information about progress the District is making in protecting the sources and pertinent information about treatment along with general district business.

The District entered into a class action suit together with approximately 240 communities and water districts, mostly from New England, for the contamination of the ground water supplies from a gasoline additive (MTBE) that showed up in 4 of the Districts wells. The concentrations in our wells were minimal and did not and do not require removal at this time but the suit covered future concentrations and possible treatment removal.

In November the Plaintiffs were award a cash settlement from the Suit. Since the Suit was started the Oil Companies and Gasoline refiners have stopped using the additives. The levels of contaminants in the ground water have continued to decrease with the expectations that they will diminish entirely. The Commissioners have not at this time decided the best approach to how these funds will be used and anticipate they will be used to fund the treatment plants or maintenance cycles for the treatment media.

The District maps and tie card information which has been maintained in paper form for 120 years has been digitized backed up and is now available to the district on a Geographic Information Systems (GIS) Mapping System through SEA Consultants Inc. web server.

A water leak survey of the entire water system was performed by Prowler Water Conservation Systems in December. There were no major leaks found at that time with a few small leaks on hydrants and gate valves repaired at the time of the survey. The unaccounted for water from the District as reported on the DEP Annual Statistical Report for 2008 indicated

less than 6% of the total water pumped which was 84.6 Million Gallons. Hillcrest Water District which serves water to the southern portion of Pleasant Street from Newfield Street to King Street and which includes the Mayflower Circle , Crestwood, Cricklewood and Dawn Acres Areas contracts with the LWSD to provide operation and maintenance services of the wells and water treatment plant. During the previous year LWSD sold HWD 5 million gallons of water during high demand periods. The HWD also shares our office at 124 Pine Street for billing and daily operations.

SEWER DEPARTMENT

The EPA and DEP are requiring the District to either reduce the phosphorous limits discharged after treatment to .09 mg/l if the discharge in Dutton Pond remains as it has been since the 1890's or bypass Dutton Pond. The phosphorous limit if the discharge is relocated would be increased to .20 mg/l. After a carefully considering the options the Commissioners decided the most affordable means and the best approach for the present is to relocate the discharge below Dutton Pond.

In July the EPA issued the District a time extension to the discharge permit that would allow the District to continue with the efforts to relocate the discharge of the treated effluent from the Wastewater Treatment Plant (WWTP) beyond Dutton Pond. Additional surveying was required to locate property bounds which have become a major problem. The property deeds that border Dutton Pond recognizes the high water mark as the property bounds extending the current properties to the current water level some 30 feet from the original water level.

In November SEA Consultants Inc. filed an Environmental Notification with the State Water Resources Commission (WRC), The Executive Office of Environmental Affairs (MEPA) and the Division of Fisheries & Wildlife for the proposed effluent bypass and the Comprehensive Wastewater Treatment plant upgrade. In Jan 2009 MEPA issued the approval without the preparation of an Environmental Impact Report (EIR).

EcoTec Inc. was hired to provide wetlands consulting related to the 15 acre property and along with Quinn Engineering who was hired to complete the design of the effluent by-pass line. A Notice of Intent will be filed with the local conservation in April in order to complete the effluent by-pass project.

The Districts property on Pine Street was resurveyed this last year to determine where the property bounds were in preparation to construct a by-pass of the discharge for the wastewater treatment plant around Dutton Pond.

The District currently operates eight (8) Wastewater Pump Stations (WWPS) for the LWSD and three (3) WWPS Pump Stations for the Hillcrest Sewer District. All together at the end of 2009 the District operations include 11 Waste Water Pump Stations, 5 Drinking Water Pump Stations and 3 Drinking Water Booster Stations in addition to the WWTP located on Pine Street.

The monthly test results of the daily laboratory analysis have been forwarded to the Department of Environmental Protection (DEP) and the Environmental Protection Agency (EPA) as required.

As the Treatment needs increase and the plant gets a little older (22 years) it has become necessary to spend more time and funds repairing and replacing some of the equipment. The District currently employs two full time operators at the Treatment Plant with the Superintendent and the water operations employee filling some of the maintenance needs of the operations. The equipment at the WWTP has been maintained with the oils and greases changed when necessary. Seals and packing of all the pumps is currently on scheduled replacement.

The Commissioners once again cautioned the residence of the District about sump pumps, roof drains, removing cleanout covers to allow surface water to enter the sanitary sewer or any other means of allowing rain or surface water to be discharged to the sanitary sewer system.

District Rules and Regulations read as follows:

Article 4 Section 6 Specific Prohibitions:

The following discharges are specifically prohibited:

- A. Groundwater, storm water and surface waters, including but not limited to, roof and surface runoff, and subsurface drainage.
- B. No water from pools, reservoirs, or cellars shall be drained into any sanitary sewer either by gravity or pump.

Should your residence be found in violation through random inspections and smoke testing the offender will be given 30 days to correct the violation and will be fined or service discontinued according to the penalty section of the Rules and Regulation.

Copies of the Rules and Regulations are available at the office or can be found on the Districts Web Site at LWSD.Net along with Notices, Applications and other District information.

Minutes of the 121st Annual Meeting
Leicester Water Supply District
April 29, 2008

In accordance with the warrant legally served and posted, the legal voters of the Leicester Water Supply District met in the Leicester Water Supply District Meeting Hall, 124 Pine Street, in the Town of Leicester on Tuesday April 29, 2008 at seven in the evening (7:00 pm), to act on the following Articles, viz:

The meeting was called to order at 7:00 p.m. by the District Moderator Leonard S. Gabrila. A Quorum was declared with 15 signed in voting residence.

A Motion was made by the Clerk to dispense with the reading of the Articles as everyone present had a copy of the Warrant. A second was made and voted in the affirmative. None opposed.

ARTICLE 1 A motion was made to dispense with the reading of the Officers Reports as copies of the 120 th Annual Report was present and that the reports of the District Officers are accepted with the exception of any typographical errors. A second was made and voted. None opposed,

ARTICLE 2 J. Donald Lennerton nominated Robert F. Wilson for Water Commissioner for a term of three years. Motion was seconded. Motion was made and seconded that the Clerk cast one ballot for Robert F. Wilson Water Commissioner for a term of three years. None opposed

ARTICLE 3 J. Donald Lennerton made a motion that the District vote to pay the District Officers as follows for the fiscal year beginning July 1, 2008.

Commissioner Chairman	\$	2,029.00
2 other Commissioners, each		1,760.00
Moderator		137.50
<u>Clerk</u>		<u>302.50</u>
 TOTAL	 \$	 5,989.00

A second was made.

ARTICLE 4 Robert F. Wilson made the motion that the District vote to raise and appropriate the following sums of money to defray the expenses of the District for the fiscal year beginning July 1, 2008.

Water Maintenance.....	\$ 316,434.47
Sewer Maintenance.....	386,634.47
Maturing Debt.....	41,870.00

Interest.....	10,375.09
TOTAL	\$ 755,314.03

To transfer from the
Rawson, Holcomb, Utica and Breezy Green Lateral Account

To Maturing Debt (Principal.....)	\$ 13,750.00
To Interest on Debt (Interest).....	6,187.50
TOTAL	\$ 19,937.50

To transfer from the
Waite Street, Massasoit, Rural, Chapel Sewer Lateral Account

To Maturing Debt (Principal)	\$ 30,834.00
To Interest on Debt (Interest).....	34,764.31
TOTAL	\$ 65,598.31

To transfer from the
Lake Sergeant Drive / Paxton Street Sewer Lateral Account

To Maturing Debt (Principal.....)	\$ 9,460.00
To Interest on Debt (Interest).....	10,879.00
TOTAL	\$ 20,339.00

To transfer from the
Mannville Street Sewer Lateral Account

To Maturing Debt (Principal.....)	\$ 11,000.00
To Interest on Debt (Interest).....	12,540.00
TOTAL	\$ 23,540.00

To transfer from the
Route 9 West Sewer Lateral Account

To Maturing Debt (Principal.....)	\$ 84,678.00
To Interest on Debt (Interest).....	87,323.73
TOTAL	\$ 172,001.70

The motion was seconded and voted: None opposed

ARTICLE 5 Robert F. Wilson made the motion that the District vote to authorize the Treasurer with the approval of the Commissioners to borrow in anticipation of the revenue for the fiscal year beginning July 1, 2008, in accordance with Mass. Gen. Laws, c. 44, sec 4 and Acts in amendment thereon, and including in addition thereto, Chapter 849 of the Acts of 1969, as amended, by issuing a note or notes payable within one year and renew any note or notes as may be given for a period of less than one year.

The motion was seconded and voted unanimously.

ARTICLE 6 Frank W. Lyon moved that the District vote to transfer the sum of Twenty Five Thousand Dollars (\$25,000.00) from Available Funds to the Maintenance Accounts to defray the expenses of the District for the fiscal year beginning July 1, 2007

The motion was seconded and voted unanimously.

ARTICLE 7 Robert F. Wilson made the motion that the District vote to transfer the sum of One Hundred Thousand Dollars (\$100,000.00) from the Sewer Connection Fee Account to fund Treatment Plant Upgrades and Engineering

The meeting was adjourned at 7:15 p.m. after a motion and a second was made. 15 legal votes attended the meeting

The motion was seconded and voted: None opposed:

Respectfully submitted,
Frank W. Lyon District Clerk
May 2, 2008

TREASURER'S REPORT

JULY 1, 2007 TO JUNE 30, 2008

RECEIPTS

WATER REVENUE	\$288,588.80
SEWER REVENUE	\$356,612.40
INTEREST INCOME BANK ACCOUNTS	\$115,909.45
INTEREST SEWER STAB. ACCOUNT	\$2,928.07
INTEREST BREEZY/RAWSON LATERAL.	\$2,741.93
INTEREST MANNVILLE LATERAL	\$9,243.68
INTEREST PAXTON/LAKE SARG. LATERAL	\$7,031.55
INTEREST ROUTE 9 LATERAL	\$20,312.94
INTEREST WAITE/CHAPEL LATERAL	\$19,380.48
OTHER CHARGES	\$26,942.52
WATER CONNECTION FEES	\$0
SEWER CONNECTION FEES	\$158,441.25
HILLCREST WATER ASSESSMENTS	\$7,436.10
HILLCREST SEWER ASSESSMENTS	\$16,022.50
HILLCREST SEWER INSPECTION FEES	\$90.00
BETTERMENT COLLECTIONS	\$302,596.49
BETTERMENT INTEREST	\$124,082.34
GRANT MONIES	\$140.50
TOTAL RECEIPTS	\$1,458,501.00

DISBURSEMENTS

WATER MAINTENANCE	\$277,942.82
SEWER MAINTENANCE	\$333,098.90
MATURING DEBT	\$195,042.13
INTEREST ON DEBT	\$167,367.70
WORCESTER COUNTY RETIREMENT	\$15,212.00
ART #1 2-2-07 METER REPLACEMENT	\$31,533.71
ART #2 6-23-06 TANK DESIGN	\$2,250.00
ART #7 4-29-08 SEWER PLANT UPGRADES	\$953.28
ART #10 4-24-07 WATER TREATMENT PROJ	\$147,348.93
TOTAL DISBURSMENTS	\$1,170,749.47

ANALYSIS OF CASH

WATER DEVELOPMENT	\$54,285.00
SEWER DEVELOPMENT	\$1,789,224.67
SEWER STABLIZATION	\$82,074.52
BREEZY/RAWSON LATERAL	\$63,742.26
C.W.M.P.	\$100.00
DEER POND LATERAL	\$41,816.23
MANNVILLE STREET LATERAL	\$254,941.04
PAXTON/LAKE SARG. LATERAL	\$187,627.80
ROUTE 9 LATERAL	\$708,175.50
WAITE/CHAPEL LATERAL	\$498,176.38
DEPOSIT IN TRANSIT	\$12,994.94
ROUTE 9 PROJECT	\$3,429.93
ART #9, 4-27-04 CONSULTING ENG.	\$3,906.94
ART #6 5-2-08 MAINTENANCE ACCOUNT	\$25,000.00
ART #7 4-29-08 SEWER PLANT UPGRADE	\$99,046.72
ART #10 4-24-07 WATER TREATMENT	\$2,651.07
HILLCREST SEWER INSPECTION FEE	\$1,230.00
SUB-TOTAL ANALYSIS OF CASH	\$3,828,423.00

SURPLUS REVENUE	\$868,402.00
TOTAL ANALYSIS OF CASH	\$4,696,825.00

GENERAL DEBT

BREEZY/RAWSON LATERAL	\$123,750.00
C.W.M.P SERIAL ISSUE	\$361,877.00
MANNVILLE STREET LATERAL	\$264,000.00
PAXTON/LAKE SARGENT LATERAL	\$217,580.00
ROUTE 9 W LATERAL	\$2,116,939.00
WAITE/CHAPEL LATERAL	\$678,328.00
WATER TANKS & LINE STATE	
HOUSE NOTE	\$70,000.00
TOTAL GENERAL DEBT	\$3,832,474.00

RESPECTFULLY SUBMITTED
 DEBRA A. WILSON
 DISTRICT TREASURER

OFFICERS 2008

Board of Water Commissioner's
Robert F. Wilson Chr. - 2008 - 2011
Leonard S. Gabrila 2007- 2010
J. Donald Lennerton 2006- 2009

District Treasurer
Debra Wilson 2007 - 2010

District Clerk
Frank W. Lyon 2007- 2010

District Moderator
Leonard S. Gabrila 2008-2009

Certified Public Accounting Auditors
Borgatti Harrison & Co.

Superintendent
Frank W. Lyon

Annual Meetings - Last Tuesday in April.

Commissioners Meetings
Second Thursday of the Month - 9:00 am at the Office 124 Pine Street
unless otherwise posted.

Billing Periods – Quarterly

Office Hours Monday through Friday 9:00am – 2:00pm – excluding
Holidays

tel: 508 892-8484
Emergencies 508 892-8484
Police Dept. 508 892-7010