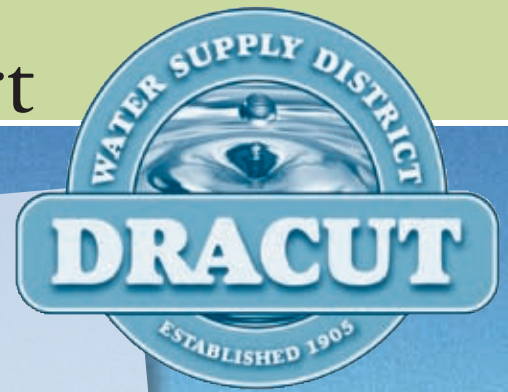


2006 Water Quality Report



Dear Ratepayers and District Customers:

In this 2006 Water Quality Report you will find valuable information regarding the water quality, services and performance of the Dracut Water Supply District.

As the Executive Director and Superintendent of the Dracut Water Supply District it is my pleasure, along with staff, to provide this information to you. If, after reading this report, you have any questions please contact us here at the District Office. Exciting developments continue since we last communicated in the 2005 report. I am happy to report that the connection to the Rte 113 supply line has been completed and an additional water source is available in times of need (Town of Methuen). Our comprehensive program to continue to replace old outdated water mains as well as undersized mains throughout our system will see almost another mile replaced this year.

Our "Meter to Main" program continues to be a success and if you are not already enrolled in this program take a moment to fill out and return the application attached to this report. This program protects your water line from the street into your home. Normal failure along this portion of the water line, without "Meter to Main" protection would be the cost of the homeowner.

Conservation efforts will continue and your days for watering that are covered by this are explained in this report. This program as always, unless emergency conditions require other action, covers the period of Memorial Day through Labor Day each year. This program allows us to maintain adequate levels in all our tanks and keeps pressure high in the system for normal use as well as fire protection.

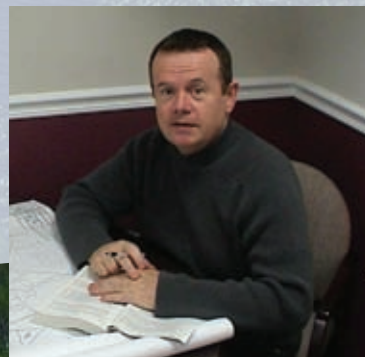
I would also like to congratulate our "Employee of the Year" John Laffey. John is one of our field service technicians, a fully licensed water systems operator and is this year's choice of Staff as the Employee of the Year.

We will continue here at the District to move forward to complete all the tasks necessary to deliver to your homes the highest quality of water as well as a system that is up to date and reliable. We also are mindful of costs and continue with programs for the Senior Citizen discounts and Conservation discounts.

I am very pleased to be part of the staff here at the Dracut Water Supply District and along with the talented men and women will continue my efforts on your behalf.

Respectfully yours,

Gary W. McCarthy
Executive Director-Superintendent



Gary McCarthy



The Dracut Water Supply District Working for You!

The Dracut Water Supply District provides water to most of the resident and businesses in almost two thirds of Dracut as well as areas in Tyngsboro. The District has 3 sources of water—one well field in Dracut, one well field in Tyngsboro and we purchase supplemental water from the City of Lowell. To deliver the water we have 3 water storage tanks, 6 booster pump stations, 6 pressure zones with over 100 miles of mains. Our water system has been in the process of and continues to upgrade, add and install new water distribution improvements to better serve you—our customers. We are excited to present our 2006 Water Quality Report. The report presents important information about our operations, the quality of the water provided and useful tips on water use. This report will be sent every year to keep you updated with system upgrades and your most recent water quality information. A special thanks to our staff and our customers who help to continue the success story of the 'New and Improved Dracut Water Supply District'.

Senior Administrative Staff

The Senior Staff at the District are responsible for all operations from field service to daily office and customer relations. Mr. John Hudzik is the lead man in the Field. John oversees the Field Staff in the daily work load of the outside operations. John has a vast knowledge of the system and its dynamics. Gary W. McCarthy is the District's principal Senior Staff member directing all operations with the aid of a talented office and field staff. Gary brings over thirty years of municipal experience to the District. Debra Vinal is the District's Treasurer and oversees all matters financial. Debbie's skill in finance has earned her high marks from the Auditing Firm. Mark Riopelle, the District's Assistant Superintendent and Primary Operator brings a vast knowledge of water industry operations. Mark's attention to detail and discipline has brought the District high marks with all State Agencies.



LEFT TO RIGHT:

John Hudzik Secondary Operator for Distribution and Treatment, Gary W. McCarthy Executive Director-Superintendent, Debra Vinal District Treasurer and Mark Riopelle Primary Operator for Distribution and Treatment.

Field Services Staff

The Field Service Staff are the personnel dealing with the daily routine operations of the system and responding to customer service calls. Each of these men are licensed Massachusetts Water Operators.

Stephen Dehney serves as the Field Foreman assisting Senior Staff with daily operations and directing Field Service Operators. John Laffey and Tim Germain are Field Service Operators. All work with the daily maintenance of pumps, wells and handle customer calls. Their efforts keep our system running smoothly by coordinating their work with the Primary and Secondary Operators. In addition, each assists in the maintenance of all our facilities and buildings.

Office Staff

The Office Staff deals with the daily assignments, calls from customers and processing of all requests, meter installations, billing and collections. Each assists customers and is a vital part of the operation.

Samantha Bastien is our part time/seasonal office help doing filing and answering the telephone. Kelley is the principal billing clerk and expert in our billing system. Kelley's exceptional understanding of the billing and meter system helps maintain the Field Staff efforts and timely billing to customers. Maureen Donnelly, our Customer Service Manager, oversees the efforts of Office Staff so that customer requests and needs are met. Maureen coordinates office staffing to assure the office runs smoothly. Annie Dalton is our new front desk person taking calls, coordinating payments and assists with appointments.



L to R: Stephen Dehney Field Foreman, John Laffey and Tim Germain Field Service Operators



L to R: Samantha Bastien, Maureen Donnelly, Kelley Chasse, Annie Dalton

Employee of the Year 2007

JOHN LAFFEY



John Laffey has been selected as the District's Employee of the Year for 2007. This recognition is bestowed by the staff of the District by vote each year. Employees choose that fellow worker they feel has given above and beyond. John has been a life long resident of Dracut and has recently become a customer of the District when he purchased his first home here in Dracut.

John started his career here at the District five years ago. John is one of our Field Service Operators working with customers and contractors. John handles appointments with customers for meter readings and replacements and various other customer issues. John works with contractors to assure the best water quality to our customers when the system needs to be repaired or upgraded. John also routinely maintains all the District's facilities to assure the system is operating properly.

We congratulate John on a well deserved honor as Dracut Water Supply District's Employee of the Year.

WATER QUALITY TESTING RESULTS

Several times each year, your water is collected and tested for over 120 possible impurities. The following table (page 5) provides information about substances that have been detected in the most recent water quality testing. Some of the tests were completed in years other than 2006. Because the water delivered to you could have come from either Lowell or Dracut or be a mix of the two, the data presented in the table represents the results of testing done by the Lowell Regional Water Utility and the Dracut Water Supply District. If you are interested in more information about the source of your water, contact the Dracut Water Supply District (978-957-0441).

WATER QUALITY INFORMATION

In order to ensure that tap water is safe to drink, the DEP and EPA prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) and the Massachusetts Department of Public Health (DPH) regulations establish limits for contaminants in bottled water that must provide the same protection for public health. We treat our water according to EPA's regulations.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

- **Microbial contaminants**, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- **Inorganic contaminants**, such as salts and metals, which can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, and farming.
- **Pesticides and herbicides**, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- **Organic chemical contaminants**, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.
- **Radioactive contaminants**, which can be naturally-occurring or be the result of oil and gas production and mining activities.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised

persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

HOW DO WE TREAT YOUR WATER?

In order to ensure that tap water is safe to drink and in compliance with federal and state regulations, your water receives a variety of treatments including potassium hydroxide and phosphate for corrosion control as well as fluoride for oral health. Lowell water is filtered and treated by the City of Lowell.

SEWER PROGRAM

Some of you have experienced temporary shutdowns due to the sewer project. This program continued through 2006 and into 2007. Both the Water Department and the Town try very hard to minimize any shutdowns and give notification whenever possible at least two days in advance. Sometimes emergencies happen and service is restored as soon as possible. During this time we wish to apologize for any inconvenience and thank you for your patience. The sewer program is a vital one to the health and welfare of thousands of residents.



Substance	Highest Level Detected	Highest Level Allowed (Epa's Mcl) *	Ideal Goals (Epa's Mclg) *	Range	Violation	Date	Major Sources
Barium	0.022 ppm	2 ppm	2	n.d. to .022	NO	Sep-06	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Cyanide	0.03 ppm	0.2 ppm	0.2 ppm	n.d. to 0.03	NO	Sep-06	Discharge from metal factories; Discharge from plastic and fertilizer factories.
Sodium	38.3	no MCL	none set	n.d. to 38.3	NO	2006	Erosion of natural deposits; Runoff from orchards; Waste from electric and glass production.
Radium 228	2.1 pCi/L *	5 pCi/L	0 pCi/L	n.d. * to 0.7	NO	9/28/2004C	Erosion of natural deposits
Radium 226	0.9 pCi/L *	5 pCi/L	0 pCi/L	n.d. * to 0.9	NO	9/28/2004C	Erosion of natural deposits
Gross Alpha	1.1 pCi/L	15 pCi/L	0 pCi/L	n.d. * to 1.1	NO	9/28/2004C	Erosion of natural deposits
Fluoride	2.3	4 ppm	4 ppm	n.d. to 2.0	NO	Feb-06	Water additive which promotes strong teeth; Erosion of natural deposits; Discharge from fertilizer and aluminum factories
Copper	0 of 35 B 321 ppb * D	1,300 ppb (Action Level)*	1,300 ppb	n.d. to 321	NO	Sep-06	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives.
Lead	0 of 35 B 3.0 ppb D	15 ppb (Action Level)*	0	n.d. to 3.0	NO	Sep-06	Corrosion of household plumbing systems; Erosion of natural deposits
Sulfate	18.0	no MCL	none set	n.d. to 18.0	NO	Sep-06	Erosion of natural sources
Nitrate	1.4 ppm *	10 ppm	10 ppm	n.d. to 1.4	NO	Sep-06	Runoff from fertilizer use; Leaching from septic tanks sewage; Erosion of natural deposits
Total Trihalomethanes (TTHM)	38.9 ppb D	80 ppb	0	3.7 to 38.9 D	NO	2006	By-product of drinking water chlorination
Turbidity A	99.0% 0.71	TT = percentage of samples less than 0.5 NTU TT = 0.5 NTU	TT	0.04 to 0.71	NO	2006	Soil runoff
Haloacetic Acids (HAA5)	21.0 ppb D	60 ppb	0	n.d. to 21.0 D	NO	2006	By-product of drinking water chlorination
Chlorine Residual	1.2	4 ppm	4	0.38 to 1.20	NO	2006	By-product of drinking water disinfection
Chlorite	0.57	1.0 ppm	0.8 ppm	0.05 to 0.57	NO	2006	By-product of drinking water disinfection
Methyl Tertiary Butyl Ether (MtBE)	<1.0 ppb	no MCL	none set	n.d to <1.0	NO	2006	Discharge from leaking UST or gasoline spill
Chloroform	18.0 ppb	no MCL	none set	3.2 to 18.0	NO	2006	By-product of drinking water chlorination
Bromodichloromethane	5.5 ppb	no MCL	none set	0.8 to 5.5	NO	2006	By-product of drinking water chlorination
Chlorodibromomethane	1.3 ppb	no MCL	none set	n.d. to 1.3	NO	2006	By-product of drinking water chlorination

(Listed above are 20 regulated & unregulated contaminants for which monitoring was required and detected in Dracut and Lowell drinking water. Not listed are over 100 other contaminants monitored but not detected.)

* DEFINITIONS:

Maximum Contaminant Level (MCL) – The highest level of a contaminant that is allowed in drinking water.

Maximum Contaminant Level Goal (MCLG) – The level of a contaminant in drinking water below which there is no known or expected risk to health.

ppm – One part per million.

ppb – One part per billion.

n.d. – none detected

Action Level – The concentration of a contaminant which triggers a treatment or other requirement that a water system must follow.

Treatment Technique (TT) – A required process intended to reduce the level of a contaminant in drinking water. The City is required under the Surface Water Treatment Rule to filter the source of the City's drinking water, the Merrimack River, to reduce contaminant levels such as turbidity.

NTU – Nephelometric Turbidity Unit measures the characteristic or property of water that causes it to scatter or absorb light. This is usually caused by very small particulate matter suspended in the water.

SPECIAL EXPLANATIONS:

- Results represent water pumped from Dracut Water Supply District (DWSD) wells.
- Results represent water purchased from City of Lowell.
- A Turbidity is a measure of the cloudiness of the water. It is monitored because it is a good indicator of the effectiveness of the Water Treatment Plant filtration system.
- B This is the number of sites above the action level.
- C This is the most recent test result required by EPA Regulations.
- D Highest Level Detected & Range are not always the same because results are averages or 90th percentile.

Making Sense of Your Water Bill

Callout Boxes:

- Number of days between the two readings** (points to 'Days' column)
- Date of current meter reading** (points to 'Read Dates' column)
- CE for "Computer Estimate" MR for "Meter Reading"** (points to 'Read Codes' column)
- Date last meter reading** (points to 'Read Dates' column)
- Present meter reading with last two digits dropped** (points to 'Present' meter reading)
- Date bill is due. If not received by this date, interest and penalties will be assessed.** (points to 'Due Date')
- Total amount due including any overdue charges** (points to 'Total Amount Due')
- Occupant #—This will increase as the house is sold** (points to 'Customer Account Number')
- Previous meter reading with last two digits dropped** (points to 'Previous' meter reading)
- Total consumption** (points to 'Usage' column)
- Dracut Water Supply District bills 100 Cubic Feet (7.48 gallons = 1 cubic foot)** (points to 'Usage' column)
- Unpaid balance on account** (points to 'Unpaid Balance as of')
- Current charges** (points to 'Current Charges as of')
- Water usage history includes 4 years of usage, including month and year billed, # of days between readings, usage billed and an average per day (usage/# of days)** (points to 'Water Usage History' table)
- Bill type could be Estimate, Regular, First bill, Final bill** (points to 'Bill Type' column)
- Residential, Commercial, Senior, Tyngsboro or Other** (points to 'Account Type' column)
- Date bill was mailed** (points to 'Bill Date' column)
- Date bill is due before interest and penalties are assessed to account** (points to 'Due Date' column)

Bill Details:

DRACUT WATER SUPPLY DISTRICT
 59 HOPKINS STREET
 DRACUT, MA 01826
 Office (978) 957-0441 Fax (978) 957-2073

Customer Account Number: 959-0027051-00

Due Date: 09-29-2005
Amount Due: 180.25

Service Address: 1 WATER WAY

Property address: JOHN DOE, 1 WATER WAY, DRACUT, MA 01826

Meter Number	Read Dates	Read Codes	Days	Present	Previous	Multiplier	Usage	Units
WATER: 999999999	08-01-2005	05-01-2005	92	CE	000058	000019	100	1900 cu. feet

BILLING SUMMARY

Previous Balance as of 11-23-05	\$180.25
Payments & Adjustments 11-23-05	(\$88.17)
Balance Forward as of 08-30-05	\$92.08
Current Charges as of 09-30-05	\$88.17
Total Amount Due	\$180.25

PREVIOUS BALANCE
 PAYMENT 11-23-2005
 BALANCE FORWARD

RATE	USAGE	CHARGES
	1250 C.F.	52.50
	07-01-05 TO 09-30-05	20.48
	EXCESS WATER CHARGES	6.19
	DEP. ASSESSMENT	15.07
	METER TO MAIN QUARTERLY	15.07
	MISCELLANEOUS CHARGES	15.07
	SENIOR CITIZEN DISCOUNT	
	CURRENT CHARGES	\$88.17
	TOTAL AMOUNT DUE	\$180.25

WATER USAGE HISTORY

Month	Days	Water Use CF	Water Usage per Day
08-05	122	1900	16
05-05	89	1400	16
02-05	63	1000	16
11-04	29	1500	52

DRACUT WATER SUPPLY DISTRICT
 59 HOPKINS STREET DRACUT, MA 01826

Bill Type	Account Type	Bill Date	Due Date	Amount Due
ESTIMATE	RESIDENTIAL	08-30-2005	09-29-2005	180.25

MESSAGES:
 ALL BILLS DUE WITHIN 30 DAYS OR LATE FEES WILL APPLY.
 PLEASE SEE REVERSE FOR CREDIT CARD PAYMENTS

Water Conservation Tips

Weather continues to be a factor all over the nation. Water, once thought of as an unlimited resource, now proves itself to be more precious and vital than ever. Given that it is upon all of us to use it wisely. To that end the Dracut Water Supply District encourages all its consumers to use water conservation measures, some of which are listed below.



Water conservation outside

- Minimize the size of your lawn as lawn watering may consume more than 30% of summer residential water use
- Use mulch around plants and shrubs and choose plants that don't need much water.
- Use water from a bucket to wash your car, and save the hose for rinsing.
- Sweep clippings and leaves from walks and driveways rather than using the hose.
- Dracut's Outside Watering Guidelines allow odd numbered houses on Wed, Fri, and Sun and even numbered houses on Tue, Thu, and Sat. No watering on Mondays. In the event time restrictions are required customers will be notified in the local news media along with community signs
- Underground sprinkler systems require moisture sensors.

Water conservation in your home

- Fixing leaking faucets, pipes, toilets, etc.
- Install water-saving devices in faucets, toilets and appliances.
- Wash only full loads of laundry.
- Don't use the toilet for trash disposal.
- Take shorter showers.
- When washing hands, brushing teeth or shaving, use only as much water as you need.

Water Supply Sources

Well Name	Source ID#
Tyngsboro Well Field #5	3079000 08G
Tyngsboro Well Field #4	3079000 07G
Tyngsboro Well Field #3	3079000 06G
Tyngsboro Well Field #2	3079000 05G
Tyngsboro Well Field #1	3079000 04G
New Boston Well Field #2	3079000 02G
New Boston Well Field #1	3079000 03G
Lowell Regional Water Utility (Additional Supplemental Source)	3079000 01P

Source Water Assessment Protection (SWAP)

The SWAP program was established under the Federal Safe Drinking Water Act. Call the office for a copy of the District's SWAP Report or check out the report on our website at www.dracutwater.com. For additional information on water quality visit the Mass.gov website.

Visit Us on the Web – www.dracutwater.com

The District's website is full of information about the District. It is updated routinely with news alerts about what's happening in the system. It contains contractor information, conservation tips, past publications, water quality data and links to other water related websites. *Most importantly you can now pay your water bill on-line.* It's a fast, convenient and secure way to pay your bill. Why not give it a try!



Le rapport contient des informations concernant la qualité de l'eau de votre communauté.
Faites-le traduire, ou parlez-en à un ami qui le comprend bien.

Meter to Main Enrollment Form

- ☐ **YES**, please sign me up for the **Meter to Main Service Plan**
- ☐ Bill my account in full \$60.00
 - ☐ I have enclosed a check for \$60.00 (*made payable to Dracut Water Supply District*)
 - ☐ Bill my account \$15.00 each billing cycle

Name _____

Address _____

Account Number, if known _____

Signature _____ Date _____

If interested and NOT currently enrolled, complete the form and mail it to the District Office OR call to enroll today 978-957-0441



Want More Information?

Do you want to learn more about your drinking water? Do you have questions regarding this report? The Dracut Water Supply District responds to all concerns, questions and comments. Please contact Mr. Gary W. McCarthy, Executive Director-Superintendent of the Dracut Water Supply District at 978-957-0441. Internet access to information about your District will soon be available at www.DracutWater.com. You may email Mr. Gary W. McCarthy at (Gary.McCarthy@dracutwater.com). Our main office is located at 59 Hopkins Street in Dracut. Our meetings are usually held the 2nd and 4th Wednesdays of the month. The first Wednesday meeting is usually at the High School Library the second here at our Offices. Our meetings are broadcast on cable too. Our office receives calls 24 hours a day with after business "Emergency Call Service." Whenever you need us, we are just a phone call away for any of your water needs.

Board of Water Commissioners
The Dracut Water Commissioners, from left to right, Mr. William Morin, Mr. Robert Corey, Mr. William "Zee" Zielinski



Water Quality Information Enclosed!

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