REPORTS OF THE OFFICERS OF THE DENNIS WATER DISTRICT FOR THE CALENDAR AND FISCAL YEAR 2013

DISTRICT OFFICIALS 2013

ELECTED OFFICIALS)
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Term Expires
2014
2016
2015
2015
2014
2014
2015
2016
2016

EMPLOYEES APPOINTED BY WATER COMMISSIONERS

SUPERINTENDENT David Larkowski

CLERK & TREASURER Sheryl A McMahon

ASSISTANT SUPERINTENDENT

James Ritchie

Administration Water Works & Production

Karen Gaumont
Emily Finnegan
George Avery
Elsie Lang (retired)
Robert Barboza
Ralph Luedeker
Andrew Carroll
LeeAnn Marcotte
Kenneth Davis
Louise McInnis
Scott Hollis

Joshua Kelley Joseph Kraul

Joshua Majka (voluntary termination)

Jonathan Moore Profirio Pina, Jr. Brian Saunders Anthony Teixeira

COUNSEL Thomas J. Perrino, Esq.

CONSULTING ENGINEERS AECom, Inc.

REPORT OF THE BOARD OF WATER COMMISSIONERS 2013

In January, the Board began its review of the FY 2014 budget as prepared and submitted by the Superintendent and Treasurer. The Board takes into consideration the needs of maintaining the infrastructure, improvements to water quality and delivery systems and the long range forecast in determining the allocation of water revenues. The Board adopted a budget for Operating and Maintenance that reflected an increase of just 1.22 per cent more than the prior year. This budget was also reviewed by the District Finance Committee and was recommended to the voters for adoption at the Annual District Meeting in April.

Since incorporation in 1945, the District had acquired nearly all of its property for well development and watershed protection as a result of direct purchase. In recent years, the District has had the opportunity to become a partner in public-private projects for the preservation of open space. The Dennis Conservation Trust, with the assistance of the Compact of Conservation Trusts, worked for nearly two years to bring together a partnership for the purchase of slightly more than 11 acres in the vicinity of Clay and Grassy Ponds. The parcel is important in that it contains habitat for rare and endangered species, provides additional contiguous land for open space and most important to the District is that it will provide additional protection for five wells. These wells have a capacity of nearly 3.4 million gallons per day and provide nearly half of the drinking water for the north side of Town. In November 2012, the Town of Dennis approved the \$985,000 purchase and awarded a \$300,000 Community Preservation Grant towards the acquisition and was contingent on the Town receiving the remaining \$685,000 from other sources. In March, the Town was awarded a \$400,000 Local Acquisitions for Natural Diversity (LAND) grant. Upon announcement of the grant, the Trust proposed that the District and the Trust acquire conservation restrictions at a cost of \$142,500 each. The District voters, by unanimous vote, authorized the acquisition.

Wastewater and nitrogen (nitrate) are concerns frequently discussed among Barnstable County towns as a threat to drinking water. The District has no problem with nitrates in its drinking water supply. Since 1993, the Massachusetts Department of Environmental Protection has required annual testing for nitrate. Detection results from this testing has been far below the maximum level, with some wells actually having no detection in some years. Eighteen of the 22 wells now in service have been continuously tested for more than 20 years. Twelve of these wells recently tested had lower nitrate levels than originally recorded in 1993. We believe this to be a direct benefit and dividend from the purchase of open space by the District and Town over several decades. We truly appreciate the support by the ratepayers and taxpayers for these acquisitions.

The District has undertaken three major infrastructure maintenance and construction projects over the past several years and 2013 saw significant accomplishments in these endeavors. The transmission main extension project will bring a buried water supply into the Dennisport area. With the granting of easements from the Town of Dennis and several private land owners in the area between Eagle Pond Rehabilitation facility and Great Western Road, the District installed 4,200 feet of 12" main in the second phase. The third and final phase will bring the water main from Great Western Road to Center Street during the next one to two years. The project is important for assuring there will be an adequate supply of water for drinking and fire suppression in Dennisport as there are three water mains hung under bridges that could be susceptible in a hurricane.

In our efforts to improve water quality, the District is undertaking a project to incorporate two existing wells into the treatment plants for iron and manganese removal. Wells 5, which is high in manganese, will be redirected to the south plant and Well 22, which is high in iron, will be redirected to the north plant. The treatment vessels have been ordered and delivery is anticipated for January 2014. District personnel will complete most of the installation work including water mains that will bring the source water to the plants for treatment.

Work continues on the power washing, cleaning and painting of water tanks both inside and out. The Board recognizes the initiative of the Superintendent and his staff in undertaking most of this work saving the ratepayers hundreds of thousands of dollars.

In May 2013, the District was recognized by the Department of Environmental Protection for outstanding performance and achievement. It is because of the dedicated, professional and talented employees of the District which make it a model public water supplier in the state as evidenced by having received multiple awards over two consecutive years. We take this opportunity to extend our congratulations and appreciation.

The Board is confident that over next several years District customers will continue to enjoy favorable and stable water rates and water that is ample and of good quality. The Board generally meets on the fourth Thursday each month and whenever possible meetings are broadcast live on local Channel 18. The public is always welcome to attend and be heard.

BOARD OF WATER COMMISSIONERS Paul F. Prue, Chairman Charles F. Crowell, Vice Chairman Peter L. McDowell

MINUTES OF THE ANNUAL DISTRICT MEETING HELD ON APRIL 23, 2013

Agreeable to the Warrant, the inhabitants of the Dennis Water District qualified to vote in District elections met at the Nathanial H Wixon School, 901 Rte 134, South Dennis.

The Moderator, William E. Crowell, Jr., having declared a quorum of at least 25 voters present, called the meeting to order at 7:10 PM. The pledge of allegiance was recited. The Moderator then introduced the Board of Water Commissioners and Finance Committee. Appointed and duly sworn by the Moderator were tellers Joshua Crowell, Peter Howes, Jackie Souza and Gladys Kearney.

The Moderator then proceeded with the reading of the Warrant. On a motion made by James Plath, and duly seconded, those present UNANIMOULSY VOTED: to waive the balance of the formal reading of the Warrant.

The Moderator noted for the benefit of those in attendance that the Finance Committee recommendations are printed in the Warrant. The meeting proceeded accordingly.

ARTICLE 1. VOTED: To accept the Reports of the District Officers for the Fiscal and Calendar Year 2012 as printed, with the exception of printer's errors.

ARTICLE 2. VOTED: To transfer and appropriate the sum of \$7,956 from the General Water District Revenues of the Fiscal Year 2014 for the salaries of the elected officials as printed in the warrant.

ARTICLE 3. VOTED: To transfer and appropriate the sum of \$3,086,812 from the Fiscal Year 2014 General Water District Revenues for the Operating and Maintenance Budget commencing July 1, 2013.

ARTICLE 4. VOTED: To transfer and appropriate the sum of \$1,080,081 from the FY 2014 General Water District Revenues for the General Expenses commencing July 1, 2013, as printed in the warrant.

Reserve Fund	\$ 50,000
Principal on Loans	555,866
Interest and Fees on Loans	196,215
Independent Financial Reporting	25,000
Cleaning Wells & Pump Repairs	40,000
Safe Drinking Water Act Assessment	3,000
Insurance Expense (Property, Workers' Comp, etc)	135,000
Water Services	75,000

ARTICLE 5. VOTED: To transfer and appropriate the sum of \$771,962 from "Free Cash" as follows:

New Trucks with Equipment	\$ 40,000
Miscellaneous Equipment	7,500
Maintenance & Power Washing Water Tanks	100,000
Meter Reading Equipment Replacement	25,000
Green Sand Replacement	25,000
Transmission Main Extensions	250,000
Asbuilts Program	25,000
Wells 5 & 22—Iron & Manganese Removal	299,462

And to sell or trade a ³/₄-ton, two-wheel drive pickup truck, now in use, and to apply the funds received towards the new purchase.

And further, to transfer and appropriate the sum of \$200,538 from the Fiscal Year 2014 General Water District Revenues for Wells 5 & 22—Iron & Manganese Removal for a total of \$972,500 for the purposes of the article.

ARTICLE 6. UNANIMOUSLY VOTED: To take by eminent domain, for water distribution purposes, an easement area containing .61 acres more or less, in a parcel of land of unknown owners, shown on a plan of land entitled "Easement Plan From Owners Unknown in Dennis, Massachusetts, prepared for Dennis Water District, Scale 1" = 60', March 6, 2013, Demarest Land Surveying" and that there be no award of damages be made.

ARTICLE 7. UNANIMOUSLY VOTED: To transfer and appropriate from "Free Cash" the sum of \$142,500 to purchase from the Town of Dennis, a perpetual watershed conservation restriction under such terms as may be agreed upon by the Board of Water Commissioners on a portion of the property located at 12 and 14 Dotties Path, Dennis, Barnstable County, Massachusetts, containing 6.37 acres of land, more or less, and shown as Lot 1 and a portion of Lot 2 and Dotties Path, a private way, on a plan of land entitled "Definitive Subdivision Plan of Land in South Dennis, Massachusetts," recorded at the Barnstable County Registry of Deeds in Plan Book 625 Page 15, pursuant to the provisions of G. L. c.184, §§ 31 through 33, said restriction to be held jointly with a conservation restriction granted to the Dennis Conservation Trust and further to authorize the Board of Water Commissioners to enter into all agreements and execute any and all instruments as may be necessary or convenient on behalf of the Dennis Water District to effect said perpetual watershed conservation restriction acquisition.

VOTED: To adjourn the meeting at 8:04 PM.

Respectfully submitted,

Sheryl A. McMahon District Clerk

DENNIS WATER DISTRICT BALANCE SHEET AS OF June 30, 2013

	Detail	Debit	Credit
1020 - Petty Cash Advance		500.00	
1040 · Cash - Unrestricted			
1040-01 · Cape Cod Cooperative -M Market	51,536.54		
1040-02 · TD Bank Money Market	215,903.30		
1040-03 · Unibank Auto Cash	20,713.94		
1040-07 · Citizens Bank	2,708.50		
1040-08 · Cape Cod Cooperative - Savings	32,532.08		
1040-10 · Citizens Bank - Checking	6,262.39		
1040-11 · Cape Cod Cooperative - Checking	-117,065.40		
1040-12 · Unipay - On Line	252,081.88		
1040-13 · Cape Cod 5 Money Market	27,989.91		
1040-14 · Unibank Remote Deposit	1,465,852.21		
1040-15 · Morgan Stanley	392,084.83		
1040-20 · Mass Municaipal Deposit Trust	429,741.07		
Total 1040 · Cash - Unrestricted		2,780,341.25	
1050 · Cash - Restricted			
1050-11 · Cape Cod 5 - Stabilization	728,013.67		
1050-20 · Morgan Stanley-Stabilization	358,321.32		
Total 1050 · Cash - Restricted		1,086,334.99	
1400 · Accounts Receivable			
1410 · Water Receivables	130,399.83		
1415 · Water Liens Receivable			
1415-11 · FY 2011 Water Liens	213.79		
1415-12 · FY 2012 Water Liens	718.82		
1415-13 · FY 2013 Water Liens	19,752.77		
1450 · Water Liens in Tax Title	5,409.15		
Total 1400 · Accounts Receivable		156,494.36	
1500 - 1700 Taxes			
1500-09 · FY 2009 R E Taxes	949.68		
1550 · Real Estate Taxes Deferred C41A	12.80		
1600-09 · FY 2009 P P Taxes	38.32		
1750 · Taxes in Litigation	473.71		
		1,474.51	
2100 · Payroll Liabilities			
2100-04 · County Retirement Withholdings	-2,090.30		
2100-08 · AFLAC NY Short Term Disability	-237.86		
2100-09 · Deferred Compensation	-210.00		
2100-10 · AFLAC NY Accident Insurance	-0.48		
2100-11 · AFLAC NE Accident Insurance	-405.08		
2100-12 · AFLAC NE Short Term Disability	-282.13		
2100-13 · AFLAC NE Cancer Insurance	-129.20		
2100-14 · AFLAC NE Life Insurance	-189.24		
2100-15 · Eye-Med	-40.68		
2100-50 · Health Insurance - Active	-8,196.68		
2100-51 · Dental Premiums	-397.64		
2100-52 · Health Insurance - Retirees	-102.25		
2100-53 · Life Insurance Premiums	-19.80		
Total 2100 · Payroll Liabilities			12,301.34
3100 · Accruals			
3173-01 · Accrued Payroll Fy 2013	-26,816.18		
3173-02 · Accounts Payable FY 2013	-16,307.50		
Total 3173 · FY 2013 Accruals			43,123.68

7600-01 · Land for Watershed Protection

7600-02 · Water Treatment Facilities

		7,903,858.2
_	0,700,002.11	0,700,332.
_	8 400 522 44	8,400,532.
_		1,462,097.4 133,152.
-75,000.00		
-388,573.47		
-345,450.36		
-37,920.46		
-401,956.02		
-10,330.23		
-25,000.00		
-11,223.70		
-40,000.00		
-2,879.05		
-13,642.48		
-6,669.78		
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-10 696 70		
,		201,673
-89,271.68		
-2,761.08		
-8,414.90		
-8,885.24		
-82,932.32		
-9,407.81		
		21,200
		157,968
-486.51		
•		
·		
-130.399.83		
		,,
	4,375,387.00	4,375,387.
		839,383
		1,175,445.
-12,059.32		
-58,194.27		
-12,049.09		
, ,		
-4,532.79		
-1,285.52		
	-1,086,624.48	-1,086,624.48

1,650,000.00 6,253,858.24 Page 7

DENNIS WATER DISTRICT FISCAL YEAR 2013 REPORT OF RECEIPTS AND EXPENDITURES

CASH		
1020 · Petty Cash Advance	500.00	
1040 · Cash - Unrestricted	2,769,477.88	
1050 ⋅ Cash - Restricted	727,361.30	
1130 · Investments - Restricted	206,000.00	
BALANCES AS OF JUNE 30, 2012		3,703,339.18
RECEIPTS		
RECEIVABLES		
1410 · Water Receivables	4,312,989.73	
1415-11 · FY 2011 Water Liens	2,405.37	
1415-12 · FY 2012 Water Liens	5,982.55	
1415-13 · FY 2013 Water Liens	312.12	
1470 Due From Amerigas Propoane 1509 · FY 2009 Real Estate Taxes	20,302.68 267.19	
1609 · FY 2009 Real Estate Taxes	2.10	
	2.10	4,342,261.74
PAYROLL AGENCIES		4,042,201.74
2100-01 · Federal Income Tax Withheld	134,118.00	
2100-02 · FICA/Medicare Taxes Withheld	15,375.01	
2100-03 · State Income Tax Withheld	62,204.42	
2100-04 · County Retirement Withholdings	110,924.82	
2100-05 · Employee Wage Assignments	3,645.00	
2100-06 · Employee Direct Deposits	791,996.88	
2100-08 · AFLAC Short Term Disability	2,473.42	
2100-09 · Deferred Compensation	56,188.50	
2100-11 · AFLAC NE Accident Insurance	4,843.82	
2100-12 · AFLAC NE Short Term Disability	3,532.40	
2100-13 · AFLAC NE Cancer Insurance	1,062.48	
2100-14 · AFLAC NE Life Insurance	2,233.69	
2100-15 · EyeMed 2100-50 · Health Insurance - Active	515.40	
2100-50 · Health Insurance - Active 2100-51 · Dental Premiums	103,166.51 8,400.86	
2100-51 · Dental Fremiums - Retirees	9,753.00	
2100-53 · Life Insurance Premiums	452.98	
2100 00 · Elic illourance i remiumo	+02.00	1,310,887.19
RESERVES AND TAILINGS		1,010,001110
2520 · Tailings - Unclaimed Property	2,221.69	
3173-01 · FY 2013 Payrolls	25,991.70	
3173-02 · FY 2013 A/P Encumbrances	17,698.88	
3241 · Reserve for Mass Sales Tax	107.27	
3244 · Property & Casualty Claims	8,827.87	
3280 · Reserve for Employee Insurance Mitigation	12,049.09	
3600 · Stabilization Fund	2,991.81	00.000.04
DEVENUES		69,888.31
REVENUES 4242 · Interest on Available Funds	3,707.28	
4640 · Tank Rental Fees	245,039.76	
4840 · Miscellaneous Receipts	15,508.31	
	10,000.01	264,255.35
	U.N.E. 00. 0046	0 000 004 ==

TOTAL RECEIPTS AND CASH BALANCES AS OF JUNE 30, 2013: 9,690,631.77

EXPENDITURES

EXPENDITURES		
RECEIVABLES - Refunds & Abatements		
1410 · Water Receivables	1,461.46	
1700 · Overlay for Exemptions & Tax Abatements	306.17	
		1,767.63
PAYROLL AGENCIES		
2100-01 · Federal Income Tax Withheld	134,118.00	
2100-02 · FICA/Medicare Taxes Withheld	15,375.00	
	-	
2100-03 · State Income Tax Withheld	62,204.42	
2100-04 · County Retirement Withholdings	108,968.27	
2100-05 · Employee Wage Assignments	3,645.00	
2100-06 · Employee Direct Deposits	791,996.89	
2100-08 · AFLAC Short Term Disability	2,283.32	
2100-09 · Deferred Compensation	55,978.50	
2100-11 · AFLAC NE Accident Insurance	4,498.57	
2100-12 · AFLAC NE Short Term Disability	3,384.41	
•	-	
2100-13 · AFLAC NE Cancer Insurance	980.22	
2100-14 · AFLAC NE Life Insurance	2,106.43	
2100-15 · EyeMed	474.72	
2100-50 · Health Insurance - Active	102,926.70	
2100-51 · Dental Premiums	8,191.70	
2100-52 · Health Premiums - Retirees	9,650.75	
2100-53 · Life Insurance Premiums	442.83	
		1,307,225.73
RESERVES		.,,
2520 · Tailings - Unclaimed Property	2,171.69	
3172-01 · FY 2012 Accrued Payrolls	-	
	23,538.53	
3172-02 · FY 2012 A/P Encumbrances	2,037.06	
3241 · Reserve for Mass Sales Tax	4,326.46	
3244 · Property & Casualty Claims	15,295.08	
3293 · Accrued Sick Leave Buy Back	0.00	
3294 · Reserve for SDWA	9,156.03	
	_	56,524.85
OPERATING & MAINTENANCE		
5000-01 · Gasoline	35,928.17	
5000-02 · Tractor Expense	7,129.02	
5000-03 · Truck Maintenance & Repairs	12,436.27	
5000-04 · Misc Equip Repairs & Mainten	5,064.80	
5000-04 - Mise Equip Repairs & Mainten	259,066.39	
· · · · · · · · · · · · · · · · · · ·	•	
5000-06 · Diesel Fuel	16,116.17	
5000-07 · Heating - Natural Gas	2,855.01	
5000-09 · Sick Leave Buy-Back	21,653.00	
5000-11 · Treatment Chemicals	205,184.96	
5000-12 · Propane Gas	15,464.27	
5000-13 · Treasurer's Expense	3,314.45	
5000-14 · Technical Services	5,790.00	
5000-15 · Mains & Hydrants	9,905.93	
5000-16 · Legal Services	9,176.84	
5000-17 · Postage Expenses	25,009.15	
5000-18 · Printing & Advertising	6,122.65	
5000-18 · Printing & Advertising	6,245.38	
•		
5000-20 · Tool Expense	3,947.46	
5000-21 · Meters & Parts	70,700.72	
5000-23 · Superintendent's Expense	884.48	
5000-24 · Licenses, Dues & Training	665.00	
5000-26 · Safety Equipment & Supplies	1,101.55	Daga 0
5000-27 · Substance Abuse Free Workplace	845.00	Page 9
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5000-28 · Communication Expenses	16,377.64	
5000-29 · FICA/Medicare & UHI Tax Expense	16,882.57	
5000-30 · Group Insurance Costs	345,608.53	
·	224,251.00	
5000-31 · County Retirement Assessment	•	
5000-34 · Computer Expenses	19,235.54	
5000-35 · Uniforms, Rugs Rentals	18,983.18	
5000-36 · Rubbish Removal	1,275.00	
5000-37 · General Supplies	2,136.33	
5000-38 · Other Necessary Expenses	1,219.20	
5000-40 · Water Quality Expenses	19,515.00	
5000-60 · Payroll - Office & Admin	386,407.14	
5000-61 · Payroll - Water Works	799,992.32	
5000-62 · Payroll - On Call Duty	35,170.70	
5000-63 · Payroll - Station Duty	53,673.76	
5000-64 · Payroll - Overtime	35,766.28	
5000-66 · Payroll - Def Comp DWD Share	22,347.50	
5000-67 · Payroll - Longevity	10,562.00	
5010 · Repairs & Maintenance		
50 TO - Repairs & Maintenance	78,615.92	2 042 626 20
ADDDODDIATIONS		2,812,626.28
APPROPRIATIONS	7.050.00	
5130 · Elected Officials Salaries	7,956.00	
5140 · Principal on Debt	560,866.00	
5150 · Interest & Admin Fees on Debt	211,737.00	
5160 · Independent Financial Reports	12,000.00	
5170 · Insurance Expense	115,307.60	
5190 · Water Services	57,668.69	
5610 · Land Acquisition Expenses	800.00	
5640 · Cleaning Wells & Pump Repairs	109,680.36	
5650 · Household Hazardous Waste Collection Day	15,901.13	
5660 · Leak Detection Survey	1,073.60	
5680 · Water Main Rehabilitation	49,295.70	
5831 · Consulting & Technical Services	0.00	
<u> </u>		
5833 · Asbuilt-GIS Program	2,528.99	
5834 · SCADA System	2,843.71	
5863 · Replace Cchemical Tanks	130.22	
5840 · Miscellaneous Equipment - 4/23/13	4,620.95	
5841 · New Trucks w/equip 4/24/12	18,380.77	
5845 · Inventory for Emergency Repairs	2,776.30	
5850 · Employee Insurance Mitigation Fund	15,783.00	
5862 · Emergency Generators	77,065.43	
5865 · Tank Repairs & Power Washing	20,644.37	
5867 · Transmission Main Project	204,862.69	
5868 · Wells 5 & 22 - Fe/Mn Removal	10,888.53	
5890 · Watershed Protection - Grassy Pond	142,500.00	
Tatolonia Protosticii Gracoy Pena	1 12,000100	1,645,311.04
CASH		.,515,511.04
1020 · Petty Cash Advance	500.00	
1040 · Cash · Unrestricted		
	2,780,341.25	
1050 · Cash - Restricted	1,086,334.99	0.007.470.04
BALANCES AS OF JUNE 30, 2013		3,867,176.24
TOTAL EXPENDITURES AND CASI	H BALANCES:	9,690,631.77
10 1/12 E/11 EINDITONEO / IND O/IOI		2,200,001111

SALARY & WAGES FY 2013

	Elected Salary	Regular	Overtime	Special Projects	Longevity	Sick Leave Buy Back	Deferred Comp	TOTAL
Alex, Peter W		46,633.62	1,462.93				1,300.00	49,396.55
Avery, George A		63,898.53	1,752.41		1,600.00	2,460.00	1,300.00	71,010.94
Barboza, Robert J		68,369.66	24,490.51	4,663.36	800.00		1,325.00	99,648.53
Carroll, Andrew W		39,000.01	379.76	28.13			1,300.00	40,707.90
Crowell, Charles F	2,550.00							2,550.00
Crowell, William E	306.00							306.00
Davis, Kenneth J		58,136.05	17,024.43		300.00	964.28	780.00	77,204.76
Finnegan, Emily		14,324.00						14,324.00
Gaumont, Karen		61,734.40			100.00		1,300.00	63,134.40
Griffin, David W		61,734.40	27,205.06	4,562.33	1,200.00		1,300.00	96,001.79
Hollis, Scott A		55,244.80	3,505.92	1,752.96			1,300.00	61,803.68
Kelley, Joshua D		34,864.00	903.75	72.00			520.00	36,359.75
Kraul, Joseph D		44,181.96	445.73		62.00		819.00	45,508.69
Lang, Elsie M		6,726.00				3,566.43	75.00	10,367.43
Larkowski, David A		107,500.00	5,243.01	3,140.85	1,800.00	4,119.20	1,300.00	123,103.06
Luedeker, Ralph H		2,536.73						2,536.73
Majka, Joshua D		41,936.93	2,640.46	1,667.65		1,165.21	490.00	47,900.25
Marcotte, LeeAnn		33,680.75					1,125.00	34,805.75
Mason, Matthew		640.00	24.00				25.00	689.00
McDowell, Peter L	2,550.00							2,550.00
McInnis, Louise S		53,622.41					1,300.00	54,922.41
McMahon, Sheryl A		107,500.00			1,600.00	4,119.20	1,300.00	114,519.20
Moore, Jonathan C		54,163.20	3,144.34	2,050.93			1,300.00	60,658.47
Pina Jr, Profirio J		66,456.02	3,163.40	742.92	800.00		1,300.00	72,462.34
Prue, Paul	2,550.00							2,550.00
Ritchie, James E		87,755.23	14,165.13	2,135.75	1,000.00	2,162.24	1,300.00	108,518.35
Saunders, Brian J		67,454.44	19,059.90		1,300.00	2,529.54	1,300.00	91,643.88
Teixeira, Anthony		6,727.36					288.50	7,015.86
	7,956.00	1,184,820.50	124,610.74	20,816.88	10,562.00	21,086.10	22,347.50	1,392,199.72

SUPERINTENDENT'S REPORT 2013

I am frequently asked, "What's going on at the District?" Usually, my response focuses on what is going on at that particular moment and not what has been recently accomplished or what is pending for the near future. It is not until I sit down to write this report that I am able to formulate a comprehensive response to that question.

The year began with negotiations with Sprint/NEXTEL, one of the cellular phone carriers, with regard to the termination of one of their antennae leases on the Old Bass River Tank. From time to time cell phone companies merge, and when T-Mobile acquired Sprint the newly formed company then had two leases on the same tank. As is their contractual right to do, T-Mobile terminated one lease which resulted in a loss of \$36,302 in rental income to the District. As a result of the negotiations, some of the equipment was left at the site to enhance the space for leasing to another carrier.

While working through the withdrawal of Sprint/NEXTEL from the Old Bass River Tank, the planning for and eventual cleaning of the Hokum Rock Tank began. As has been the case over the past few years, the willingness of enthusiastic District employees enabled cleaning and repairs to the Hokum Rock Tank. Built in 1997, this tank holds 2.7 million gallons and is 108′ high. It has served the system well, but was in need of both interior and exterior paint. The spring work involved the power washing and cleaning of 29,235 sq/f of interior surface area. First, we removed years of iron and manganese buildup only to uncover small but numerous spots which needed power tooling and an application of epoxy paint. The tank was put into service before the summer demand and is scheduled for exterior work in 2014 or 2015.

Nearly everyone who drives through the Dennisport area has seen, or been inconvenienced by, the two detours caused by the work undertaken my Mass Highway for the reconstruction projects on Upper County Road and Route 28 bridges. While the bridge reconstruction and improved road surface is what people are most keenly aware of, what is not as readily known is the valuable upgrade to the water mains that also occur as a result of the project. In the fall of 2012, the 10" water main under Swan River at Upper County was taken out of service during construction and replaced with new. The condition of the pipe which had run under the river was in question. Removing it from that environment was a huge improvement for the system. The Route 28 bridge project is ongoing, but will also result in the replacement of a 10" water main that broke under the river a few years ago and was abandoned.

In step with upgrades resulting from Mass Highway's work, the District completed the second phase of a 12" distribution main project which will supplement water supplied across the Mid-Cape Highway into Dennisport. After acquiring three easements and one easement taking, the District completed the installation of a 3,160' section of this project from Eagle Pond Nursing home to Great Western Road. This project is not only important for providing water to Dennisport, since all of the water supplied to the town comes from the north side of Route 6, but this new main will enhance the hydraulic distribution of water to the south side of town.

As part of our Water Main Rehabilitation program the District identified a portion of Horsefoot Road in West Dennis as needing replacement. A section of approximately 450' of 2" water main was not providing adequate service to those homes. The main 2" iron pipe was plugged and restricting the flow. The District replaced that main with new 6" ductile iron thereby returning it to normal service.

I cannot let this year pass, without saying as I do every year, that it is the dedication and professionalism of the staff here at the District that enables us to accomplish what we do and it is my pleasure to acknowledge them here.

Respectfully submitted,

David Larkowski Superintendent

Pumping Equipment Operations 2013

	# of days		# of days
Main Station – Old Bass River Road 5 submersible electric pumps with a total capacity of 700 gpm pump	145	Sub-Station 12 – Old Chatham Road 75 hp electric motor w/700 gpm pump	168
Sub-Station 1 – Old Chatham Road 40 hp electric motor w/350 gpm pump	144	Sub-Station 13 – Center Street Decommissioned December 1999	
Sub-Station 2 – Old Chatham Road 20 hp electric motor w/200 gpm pump	144	Sub-Station 14 – Baker's Pond Road 60 hp electric motor w/ 450 gpm pump	176
Sub-Station 3 – Old Chatham Road 20 hp electric motor w/250 gpm pump	144	Sub-Station 15 – Baker's Pond Road 75 hp electric motor w/700 gpm pump 70kW generator	200 98 hrs
Sub-Station 4 – Old Bass River Road 30 hp electric motor w/350 gpm pump 85kW generator	138 102 hrs	Sub-Station 16 – Timber Lane 40 hp electric motor w/ 450 gpm pump	155
Sub-Station 5 – Route 134 30 hp electric motor w/450 gpm pump 60 hp lp gas engine w/right angle drive	146 0 hrs	Sub-Station 18 – Hokum Rock Road 75 hp electric motor w/ 700 gpm pump 70kW generator	193 52 hrs
Sub-Station 6 – Old Bass River Road 30 hp electric motor w/150 gpm pump 60 hp lp gas engine w/right angle drive	175 0 hrs	Sub-Station 19 – Setucket Road 75 hp electric motor w/700 gpm pump 75kW generator	204 84 hrs
Sub-Station 7 – Airline Road 40 hp electric motor w/450 gpm pump 60 hp lp gas engine w/right angle drive	183 0 hrs	Sub-Station 20 – Setucket Road 75 hp electric motor w/700 gpm pump 70kW generator	207 61 hrs
Sub-Station 8 – Airline Road 40 hp electric motor w/350 gpm pump 60 hp lp gas engine w/right angle drive	183 0 hrs	Sub-Station 21 – Route 134 75 hp electric motor w/700 gpm pump 80 kW generator	179 58 hrs
Sub-Station 9 – Grassy Pond Drive 75 hp electric motor w/650 gpm pump 75kW generator	172 82 hrs	Sub-Station 22– Route 134 75 hp electric motor w/700 gpm pump	190
Sub-Station 10 – Airline Road 75 hp electric motor w/700 gpm pump 150 hp lp gas engine w/right angle drive	182 0 hrs	Sub-Station 23– Old Chatham Road 75 hp electric motor w/700 gpm pump 85kW generator	113 71 hrs
Sub-Station 11 – Old Bass River Road 60 hp electric motor w/500 gpm pump	181	Booster Station – Route 134 2 – 345 hp caterpillar diesel engines w/3,500 gpm pump on each motor (manual)	0 hrs

VEHICLE & EQUIPMENT OPERATIONS 2013

Truck #		Miles
2	2008 Ford Expedition	11,487
4	2003 Chevrolet ³ / ₄ -ton pickup—traded	17,398
4	2014 GMC 2500	2,484
6	2003 Chevrolet ³ / ₄ -ton pickup	9,652
8	2000 Chevrolet ½-ton pickup—traded	13,256
8	2013 GMC 1500	4,603
10	2011 Chevrolet ½-ton pickup	12,509
12	2005 Chevrolet 1-ton dump truck	4,570
14	2008 Ford F-150 ½-ton pickup	9,470
16	2003 GMC cargo van	9,966
18	2007 Chevrolet ½-ton pickup	13,565
20	2002 Chevrolet dump truck	640
22	1999 GMC dump truck	909
24	2008 Chevrolet 2500 utility truck	9,261
26	2012 Chevrolet 1500 ½-ton pickup	7,053
28	2008 Ford F-350 utility truck	7,853
30	2002 Chevrolet cargo van	8,178
32	2010 Ford F350 utility truck	6,362
	TOTAL MILEAGE	149,216
	Equipment	Hours
1993	Gravely	25
1993	Sullivan Air Compressor	17
2000	Ingersol Rand Air Compressor	23
2000	Kobelco Excavator	128
2001	John Deere Backhoe Loader	64
2003	John Deere Backhoe Loader	127
2005	John Deere Backhoe Loader	263
2005	John Deere Mini-excavator	128
2005	Gravely	23
2004	Mower	48
2004	Roller	51
2000	100kw Generator Set #1	14
2000	100kw Generator Set #2	16

CUSTOMER TRANSACTIONS – FY 2013

Meter Replacements	627
Seasonal Meter Removal/Re-install	3,532
Final Readings	399
Backflow Prevention Device Tests	149
Demand Letters Processed	156
Demand Shut-Off Processed	66
Frozen Meters	41
Meter Tampering	1
Service Calls/Repairs	420
Fire Sprinkler Standby	99
Renewal and Relocation of Water Services	99
Payments Processed	30,139

NEW SERVICES FY 2013

Dennis		9
East Dennis		3
Dennisport		4
West Dennis		3
South Dennis		5
	TOTAL	24

WATER PUMPED IN 2013

In Gallons

November December	43,209,100 47,653,800
October	77,466,500
September	111,429,000
August	166,386,600
July	179,535,600
June	117,114,100
May	87,737,500
April	44,300,900
March	39,608,600
February	38,405,200
January	41,039,100
_	

MAIN LINE GATES & HYDRANTS as of December 31, 2013

Year	20"	16"	12"	10"	8"	6"	2"	Total	Hydrants
All	14	10	194	142	592	2475	169	3596	1545
2003				1	2	10		13	12
2004					5	15	-3	17	12
2005				1		16	-3	14	8
2006					5	12	-1	16	7
2007						8		8	1
2008		10	13		15	24	1	63	14
2009					1	5		6	2
2010		T	here wei	re no ite	ms add	ed in ca	lendar	2010	
2011					1	1		2	2
2012			7		1	3		11	2
2013			2			8	-1	9	4
Totals	14	20	216	144	622	2577	162	3755	1609

WATER MAINS as of December 31, 2013

			U		,				
Year	24"	16"	12"	10"	8"	6"	4"	2"	Total
Prev	15,998	10,978	137,233	91,260	416,077	465,440	359	63,009	1,200,354
2003				392	2,634				3,026
2004					2,464	4,008		-1,899	4,573
2005				242		3,780		-846	3,176
2006					1,013	1,321	14	-39	2,309
2007						843			843
2008		4,904	12,047		8,164	577		105	25,797
2009					1,132	740		-306	1,566
2010			There	e were no it	tems added i	in calendar 20	010		
2011					240	15			255
2012			5,399		40	463			5,902
2013			3,161		1,953	2,195		-450	6,859
	15,998	15,882	157,840	91,894	433,717	479,382	373	59,574	1,254,660

237.63 Miles of Water Main All Cast/Ductile Iron - Cement Lined Pipe

PRODUCTION DEMAND STATISTICS Calendar Year 2013

Largest Day	July 21	7,688,700
Smallest Day	March 25	635,000
2 nd Largest Day	July 20	7,399,600
2 nd Smallest Day	March 26	712,800
Largest Week	July 14—20	45,003,300
Smallest Week	March 17—23	8,436,900
2 nd Largest Week	August 18—24	40,472,600
2 nd Smallest Week	March 3—9	8,587,800
Largest Month	July	179,535,600
Smallest Month	February	38,608,600
2 nd Largest Month	August	166,386,600
2 nd Smallest Month	March	39,405,200

SYSTEM STATISTICS Calendar Year 2013

Pumping Capacity of Main Station
and 22 Sub Stations

Chemical Feed Pumping Stations

Storage Capacity of Three Standpipes
and One Elevated Tank

11,600 Gallons Per Minute
13,550,000 Gallons

Maximum Permitted Withdrawal from all wells Per Year

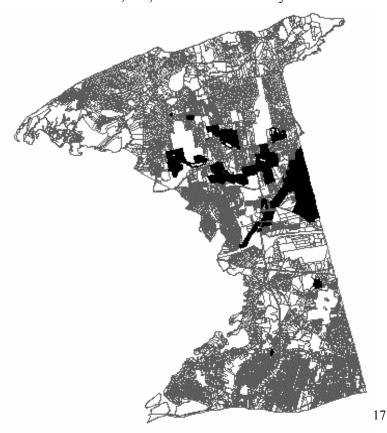
1.189 Billion Gallons
Two Iron & Manganese Removal Treatment Plants

8,000,000 Gallons Per Day

LAND OWNED BY DISTRICT (acres)

Land Owned as of 12/31/13 998.41

Total Watershed Conservation
Restrictions Held: 63.23
Added 2013-Connors/Bell 6.37
69.60



WATER RATES & CHARGES

DISTRICT PROPERTY TAX RATE

In Fiscal Year 1989, the District's tax rate was set at "zero." It continued at zero until FY2009, when by action under Article 9, the voters appropriated funds for the continued investigation of wastewater planning which re-established a tax rate. The rate when approved by the Department of Revenue was set at 4¢ per thousand dollars of property valuation. The tax rate has been set at zero since FY 2010.

ACCOUNT CHARGE

Formerly known as the *Minimum Charge*, which provided an "*allowance*" of 15,000 gallons for each sixmonth billing cycle, this charge now represents a basic semiannual fee regardless of the amount of water used, if any, during each six-month billing cycle.

```
7/1/91 - 6/30/92 - Minimum Charge $30 with an allowance of 15,000 7/1/92 - 6/30/93 - Account Charge $25 - no allowance 7/1/93 - 6/30/98 - Account Charge $20 - no allowance 7/1/98 - 6/30/08 - Account Charge $25 - no allowance 7/1/08 - 6/30/09 - Account Charge $36 - no allowance 7/1/09 - 6/30/13 - Account Charge $42 - no allowance
```

CONSUMPTION

```
07/01/09 - 06/30/2013—First 50,000 gallons - $2.50
Next 50,000 gallons - $3.00
101,000 gallons and up - $3.50

Next 50,000 gallons and up - $3.50

7/1/94 - 6/30/00 - First 50,000 gallons - $1.50
51,000 and over - $1.75
7/1/00 - 12/31/04 - First 50,000 gallons - $1.50
Next 50,000 gallons - $2.00
101,000 gallons and up - $2.50
1/1/05 - 06/30/09 - First 50,000 gallons - $2.00
Next 50,000 gallons - $2.50
101,000 gallons and up - $3.00
```

Rates for water billed during each six-month billing cycle are per one thousand gallons.

SAFE DRINKING WATER ACT ASSESSMENT

This is a pass through fee set by the Department of Environmental Protection. This revenue subsidizes DEP's oversight of public water suppliers and the enforcement of EPA compliance. The rate includes a five percent administrative fee.

```
7/1/95 - 6/30/03 - \$0.0084 per thousand gallons 7/1/03 - 6/30/13 - \$0.0090 per thousand gallons
```

LAND ACQUISITON FEE—\$10 semiannual fee from Aug 2001 through February 2007

WATERSHED PROTECTION FEE—At the Annual District Meeting, held April 25, 2007, the voters, under Article 12, approved the purchase of 6.5 acres of land for wellhead and watershed protection and the purchase of water conservation restrictions on 59(+/-) acres of land in the Town of Brewster. The article approved the cost at \$2,500,000. In order to pay for the bond issuance costs, debt service and other ancillary costs, the voters also approved a new fee. The fee was set at \$10 per customer every six months until the total cost is recovered. The fee was first assessed in August 2007 and is expected to continue for approximately 13 years.

DENNIS WATER DISTRICT BY - LAWS

(In effective as of 12/31/2008)

ARTICLE ONE OFFICERS

Section One: The officers of the District shall be specified and directed by Chapter 277 of the Acts of 1945. (Adopted April 23, 1946, Amended December 8, 1965)

ARTICLE TWO MEETINGS

Section One: Section One: For the year 2009, and each year thereafter, the annual meeting shall be held on the fourth Tuesday in April. Notwithstanding any general or special law to the contrary, for the year 2009, and each year thereafter, the annual election of the officers and any other matter that may appear on the official ballot shall be held on the fourth Wednesday in April. Commencing at an Annual Town Election to be held no sooner than 2010, or the next annual Dennis Town Election after enactment of special legislation authorizing Dennis Water District Elections to be held in conjunction with the Dennis Town Elections, the Dennis Water District Election shall be held in conjunction with the Dennis Town Election, with full responsibility for the conduct of such election to be vested in the officers of the Town, who shall place on the ballots to be used at said election the election of officers of the Dennis Water District and any question or questions as may be requested of them by the Board of Water Commissioners of the Dennis Water District. (Altered and Amended April 29, 2008) (Altered and Amended January 27, 2009)

Section Two: Meetings of the District shall be called by the clerk when requested in writing by a majority of the water commissioners or by ten or more legal voters of the District; and he shall give notice thereof by posting written notifications in two or more public places within the District, which notifications shall briefly state the purpose of the meeting. (Adopted March 18, 1953)

Section Three: No business shall be transacted at any District Meeting, except the election of officers, unless there is a quorum present consisting of at least 25 legal voters of the District. (Adopted March 18, 1953)

ARTICLE THREE FINANCES

Section One: Effective July 1, 1974 the Financial year shall commence on July 1, and continue through June 30 of the following year. (Altered and Amended January 24, 1974)

Section Two: No money, except interest and indebtedness authorized by the District shall be paid from the treasury without written approval or order of a majority of the water commissioners or by a vote of the District and according to its order. (Adopted April 23, 1946)

Section Three: There shall be a Finance Committee, consisting of five registered voters of the District appointed by the Moderator for three-year terms, the initial appointments to be for terms as follows: two members for three years, two members for two years and one for one year. The Finance Committee shall consider any and all District questions, for the purpose of making reports or recommendations to the District. Members of the Finance Committee shall serve without compensation and no member shall hold any other elective or appointive District position during this term of office. The Moderator shall fill any vacancy for an unexplored term. The Finance Committee shall annually choose a chairman, secretary, and such other officers as it deems necessary. (Adopted April 26, 1977)

ARTICLE FOUR AMENDMENTS

Section One: These bylaws may be altered, amended, repealed and added to at any meeting of the District provided notice of such proposal is set forth in the call of the meeting. (Adopted April 23, 1946)

(ARTICLE FIVE—WATER EXTENSIONS—(Adopted June 16, 1947, Amended March 17, 1965 and March 16, 1966, Rescinded April 25, 2007)

ARTICLE FIVE WATER USE RESTRICTION

Section One: Authority - This Bylaw is adopted by the Dennis Water District under its home rule powers, its police powers to protect public health and welfare and its power under M.G.L. C.40, §21 et seq. This bylaw implements the District's authority to regulate water use pursuant to C.41, §69B.

Section Two: Purpose - The purpose of this bylaw is to protect, preserve and maintain the public health, safety and welfare whenever there is in force a state of water supply conservation or a state of water supply emergency by providing for enforcement of any duly imposed restrictions, requirements, provisions or conditions imposed by the District or by the Department of Environmental Protection.

Section Three: Definitions

Enforcement Authority shall mean the Dennis Water District Board of Water Commissioners having responsibility for the operation and maintenance of the water supply. The Board of Water Commissioners may also designate any other local body having police powers as an enforcement authority.

Water Supply Emergency shall mean a state of water supply emergency declared by the Department of Environmental Protection under M.G.L. C. 21G, §15-17.

State of Water Supply Conservation shall mean a state of conservation declared by the District pursuant to section four of this bylaw.

Water Users or Water Consumers shall mean all public and private users of the District's public water system, irrespective of any person's responsibility for billing purposes for water used at any particular facility.

Person shall mean any individual, corporation, trust, partnership or association or other entity.

Public notice of a State of Water Conservation shall be given under section six of this bylaw before it may be enforced.

Section Four: Declaration of a State of Water Conservation

The District through its Board of Water Commissioners may declare a State of Water Conservation upon a determination by a majority vote of the Board that a shortage of water exists, and that conversation of water is necessary to insure adequate supply to all consumers under all conditions.

Section Five: Restricted Water Uses

A declaration of a State of Water Conservation issued by the Board of Water Commissioners may include one or more of the following restrictions, conditions, or requirements restraining the use of water for nonessential purposes as necessary to protect the water supply, which shall be included in the public notice required under section six.

- A) Odd/Even Law Watering Lawn watering at facilities with odd numbered addresses is permitted only on odd numbered days. Lawn watering at facilities with even numbered addresses is permitted only on even numbered days.
- B) Outdoor Watering Ban. Lawn watering, and all other forms of nonessential outdoor water use are prohibited.
- C) Outdoor Watering Hours. Outdoor watering is permitted only during off-peak hours, to be specified in the declaration of a state of water conservation and public notice thereof.
- D) Filling Swimming Pools. Filling of swimming pools is prohibited.
- E) Automatic Lawn Sprinkler Use. The use of automatic lawn sprinkler systems is prohibited.

Section Six: Public Notification of a State of Water Supply Conservation.

Notification of any provision, restriction, requirement or condition imposed by the District as part of a State of Water Conservation shall be published in a newspaper of general circulation within the District, or by such other means reasonably calculated to reach and inform all users of water of the state of conservation. Any restriction imposed under section five shall not be effective until such notification is provided.

Section Seven: Termination of a State of Water Supply Conservation; Notice A state of Water Supply Conservation may be terminated by a majority vote of the Board of Water Commissioners upon a determination that the water supply shortage no longer exists. Notification of the termination of a state of water conservation shall be given in the same manner as notice of the state of water conservation is given.

Section Eight: State of Water Emergency; Restricted Water Use.

Upon notification of the public that a declaration of a state of water emergency has been declared by the Department of Environmental Protection, no person shall violate any provision, restriction, requirement, condition or order approved or issued by the Department intended to bring about an end to the emergency.

Section Nine: Penalties

Any person violating this bylaw shall be liable to the District in the amount of \$50. for the first violation and \$100. for each subsequent violation which shall insure to the District for such uses as the Board of Water Commissioners may direct. Fines shall be recovered by indictment, or on complaint before the District Court, or by non-criminal disposition in accordance with Section 21D of Chapter 40 of the general laws. Each separate issuance of a citation pursuant to this section shall constitute a separate violation.

Section Ten: Severability

The invalidity of any portion or provisions of this bylaw shall invalidate any other portion or provision thereof.

nnis Water Distric

Board of Water Commissioners

Paul F. Prue, Chair Charles F. Crowell, Vice Chair Peter L. McDowell

Main-Line News

February 2013

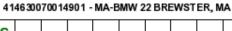
Appointed by Water Commissioners

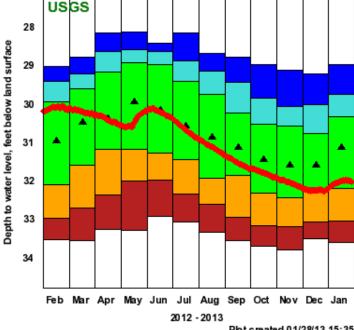
David Larkowski, Superintendent Sheryl A McMahon, Clerk & Treasurer James Ritchie, Asst. Superintendent

Ground Water Levels Recover Slowly

Volume 20, No. 1

Massachusetts is a relatively water rich state with regular precipitation and stable surface water and groundwater supplies. There are times when short and longer term drought conditions can occur. In support of water management efforts, the District has a Drought Management Plan (Plan) which is a tool used to recognize when drought conditions occur and lays out steps to help manage these low conditions.





Plot created 01/28/13 15:35

In 2012, rainfall for the Cape was 7" below average. Our Plan monitors rainfall and groundwater levels as illustrated in the diagram above. The Board of Water Commissioners changed the groundwater status from Normal to Advisory last summer. The Advisory status asks that customers voluntarily adjust their outdoor watering habits in response to falling groundwater levels. Although, outdoor activities are dramatically reduced in winter, the District has continued with the Advisory status.

Conditions continue to be monitored closely. Precipitation over the winter has been insufficient to significantly rebound groundwater levels which normally occurs this time of year. Keeping our customers up to date is an essential part of what we do. As we continue to observe and evaluate this slow recovery, it is likely that the spring and summer seasons will begin with an Advisory or Voluntary use restriction. If this happens, it is likely that a Mandatory restriction could follow. This will affect you!

District Receives Top Honors

The Dennis Water District was named a 2012 *Utility of* the Year in the medium-size systems' category in September by the New England Water Works Association (NEWWA), the region's largest and oldest not-for-profit organization of water works professionals.

The award recognizes a utility that has made significant improvements to its water system infrastructure, customer service, staff training, and operations to further protect the safety of its water supplies and public health of its consumers.

Water Commissioners Paul F. Prue, Charles F. Crowell and Peter L. McDowell were in attendance when the award was presented to David Larkowski, Superintendent at the annual conference of the New England Water Works Association. "Over the years, the district has utilized its own staff and equipment to construct a number of extensive water system improvement projects," said Raymond J. Raposa, NEWWA Executive Director. "This self-performing approach has fastened among the staff a sense of achievement, teamwork, pride in workmanship, and commitment to the district's water system and the profession as a whole."

In November, the Massachusetts Water Works Association awarded the Annual 2012 Water Works Pride Award to the Old Bass River Tank Maintenance Crew of the Dennis Water District. This award recognizes water works personnel that gave that extra measure to make their department better. David Larkowski, James Ritchie, Robert Barboza, David Griffin and Jonathan Moore were all recognized for their work on the tank maintenance project. Although his crew was recognized for their exemplary work, Superintendent Larkowski acknowledged that, "Whenever there is a team working on a special project, it would not be possible to accomplish this work and maintain all of our other District responsibilities, if it were not for the dedication and teamwork of ALL of the District staff for they are the ones that make up the difference enabling others to concentrate on special pro-These special projects have saved the District ratepayers hundreds of thousands of dollars over the years.

PAY ON-LINE SERVICE

For several years the District has provided a link on its website enabling customers to pay on-line. Effective January 1, 2013, Unipay began assessing a 25¢ per transaction fee. It is still less expensive than buying a stamp and crediting your payment to your account is generally done on the next business day.

INSTALLATION OF TRANSMISSION MAIN BEGINS

In the fall, a new 12" water main was installed on Depot Street in Dennisport and put into service. This project is Phase I of a comprehensive plan to more effectively move water from source wells into Dennisport.

The nearly 5,000' of main was put down with all District personnel. Every effort was made to create as little inconvenience as possible to area residents and those needing access to and from Dennisport. Daily detours and road closures were common yet unavoidable. The management and crew extend their appreciation for those who exhibited patience and understanding while the construction took place. Final repairs to the road surface will be completed this spring.

The project goal is to link up the new main with another transmission main from the Mid-Cape Highway area to better service Dennisport. Progress of the second and third phases of the project are predicated on obtaining easements for laying the transmission main. The optimum schedule would see the second phase, from Eagle Pond to Great Western Road, accomplished late 2013.



Due to the location of other utilities, it was necessary to place most of the new main within the existing roadway. A temporary patch was put down until the disturbed areas settle, then final road repairs will be made this Spring.

UPCOMING EVENTS

April 23-Annual District Meeting -7:00 PM- Wixon School May 14 -Annual Town and District Elections June 2-<u>Tentative</u> - Household Hazardous Waste Collection Tony Kent Arena - 9 am to 1 pm

Reminder about Frozen Pipes

During the recent extended power outage due to the blizzard, there was an increase in the number of reports of frozen pipes and the considerable property damage they cause. To prevent frozen pipes in the short-term, run a couple of faucets. Moving water does not freeze easily. Run a small steady stream of hot and cold water. Using water this way will only add up to a few dollars per day. A far cheaper bill than the damage caused by frozen pipes.

PICTURES SAY IT BEST

In the fall of 2012, the District completed comprehensive cleaning and pump repairs on Wells 8, 11, 14, 15 and the Main Station. Wells 8, 11, 14 and 15 were all cleaned to improve their pumping capacity which had been declining slowly over the last few years. Annual pumping tests are done on all wells to ensure that they are pumping efficiently and effectively and to establish baselines for comparisons. Iron and manganese, which are common elements occurring naturally in the aquifer, clog the well screens over time, decreasing output.



Submerged cameras take before and after pictures for comparison. Routine cleanings improve motor efficiency and increase production.

All of the wells had either pump replacements or repairs done. The Main Station, where there are actually five consecutive wells, received new pumps, motors and control valves as part of its maintenance and a new, more efficient variable frequency drive unit (VDF) was installed at Well 14. A VDF is a type of adjustable speed drive used in pumping systems to control motor speed and torque by varying motor input frequency and voltage. VDFs are more energy efficient and decrease wear on pump motors. Most wells now have VDFs installed.

A NOTE ABOUT WATER USAGE

The water bill included with this newsletter covers the water usage from July through December 2012. For comparison purposes, the usage for the previous reading billing cycle and for the same cycle one year ago is shown in a box directly below the total.

The pre-billing consumption reports indicate that District customers used approximately 94 million gallons more during this billing cycle than they did for the same cycle in 2011. A breakdown of the comparative usage is below.

July - Dec 2012	No of Customers	Total Gallons Used
No Usage	517	0
1st 50,000	9,384	174,930,000
2nd 50,000	2,710	196,436,000
101,000 +	1,780_	330,679,000
	Total Gallons Billed:	702,045,000
	_	, ,
July - Dec 2011	No of Customers	Total Gallons Used
July - Dec 2011 No Usage	=	
•	No of Customers	Total Gallons Used
No Usage	No of Customers 450	Total Gallons Used
No Usage 1st 50,000	No of Customers 450 10,100	Total Gallons Used 0 180,826,000

Dennis Water District

Board of Water Commissioners

Main-Line News

Paul F. Prue, *Chair* Charles F. Crowell, *Vice Chair* Peter L. McDowell

www.denniswater.org

Appointed by Water Commissioners

David Larkowski, Superintendent Sheryl A McMahon, Clerk & Treasurer James Ritchie, Asst. Superintendent

Volume 20, No. 2

August 2013

PROJECT FOR IMPROVING WATER FLOW INTO DENNISPORT CONTINUES

In the Fall of 2012, the District installed nearly 5,000 feet of 12" water main down Depot Street in Dennisport. This was the first phase of an important project that will improve the distribution of water from just south of the Mid-Cape Highway at Eagle Pond southerly into Dennisport. There are three major transmission mains that deliver water into Dennisport. They are located on Lower County Road, Upper County Road and Route 28. All three span under bridges that are considered vulnerable in the event of a natural disaster such as a hurricane.

The project is being undertaken in three phases. The second phase required the acquisition of easements for the installation of 4,000 feet of 12" main from the vicinity of Eagle Pond to Great Western Road. The Board of Water Commissioners expressed their appreciation to land owners for their cooperation in granting easements for the layout; Chris Enos of F.A. Days & Sons, John Connors of East Dennis and Boston and the voters of the Town of Dennis. The granting of these easements, plus one that was taken by eminent domain from owners unknown, was accomplished by unanimous vote at the Annual District Meeting in April. Most of this second phase will cross natural woodlands and will require the clearing of a twenty-foot wide swath in order to excavate and install the pipe. The work will be done by District personnel.

The third phase, which will connect the water main from Great Western Road southerly to Center Street and connect with the new pipe on Depot Street, will begin once a final layout is determined and proper easements are obtained. There is no deadline for completion of the project and the work will continue as the layout is perfected and funds are made available for the purchase of materials. To date, \$700,000 has been appropriated for the project.

The project is important for assuring there will be an adequate supply of water for drinking and fire suppression in Dennisport in the event of a major disaster. It will also alleviate a "bottleneck" in the distribution system as the water flows southerly from the 6-million gallon water tank into Dennisport Village.

DISTRICT VOTERS OVERWHELMINGLY SUPPORT GRASSY POND WOODLANDS

More than 270 Dennis voters attended the 68th Annual Meeting of the Dennis Water District held on April 23, 2013. The voters quickly dispatched the first six articles of the seven article-warrant in less than 12 minutes. Debate then ensued on Article 7 which called for the expenditure of \$142,500 from "Free Cash" for the acquisition of a watershed protection easement on

approximately 6.37 acres of land off Setucket Road. The parcel is one of two parcels totaling slightly more than 11 acres that the Town of Dennis approved for purchase in November 2012 at the negotiated price of



\$985,000 and awarded a \$300,000 Community Preservation Grant for open space. The Town's purchase was contingent on the Town receiving the remaining \$685,000 from gifts and grants from other entities.

The Dennis Conservation Trust (DCT) with the assistance of the Compact of Conservation Trusts, worked on bringing together a public-private partnership for the purchase over the course of two years.

Continued on back - "Grassy Pond Woodlands"

CONGRATULATIONS

Board of Water Commissioners and District Staff for receiving the

2013

Regional Recognition

For Outstanding Performance and Achievement
Awarded by the
Commonwealth of Massachusetts
Department of Environmental Protection
Drinking Water Program

On March 25, 2013, Massachusetts Energy and Environmental Affairs (EEA) Secretary Rick Sullivan awarded a \$400,000 Local Acquisitions for Natural Diversity (LAND) grant to the Town. At the request of the DCT, the Board of Water Commissioners placed Article 7 on the Annual District Meeting for voter consideration. The article passed by unanimous vote. With the DCT's pledge of \$142,500 towards the project, the total funding for the purchase was achieved and would ultimately prevent the probable development of a nine-lot subdivision.

The parcel contains and abuts habitat for rare and endangered species, provides additional contiguous land for open space and most important to the District is that it will provide additional protection for the drinking water supplied by five wells. These wells have a capacity of nearly 3.4 million gallons per day and in 2012 provided nearly half of the drinking water for the north side of Town. Four of the wells are within 1,200 feet to 1,800 feet of the buildable lots.



Accurate meters are essential for correctly billing customers, projecting usage trends and accurately determining the difference between what is used by customers and what is pumped into the distribution system from the wells. Approximately 90% of the water pumped is billed to customers. The District is on a 20-year replacement cycle which is approximately 700 meters annually.

The difference between what is billed and what is pumped is called "unaccounted for water". Some of this water is actually accounted for by estimating amounts used for flushing, water main breaks, fires, etc.

Employees may leave a card on your door or post cards may be mailed to owners requesting the scheduling of an appointment for the replacement. Replacements generally take about 30 minutes, but plan on an hour to be safe. There is no cost to the customer and every effort is made to schedule the appointment at the customer's convenience. State law requires customers to provide District personnel with reasonable access to the meter. Failure to do so will eventually result in the suspension of water service and additional charges may be assessed. If you have any questions, please feel free to contact the office directly at 508-398-3351.

<u>ALL</u> District field personnel carry a photo identification card.

Do not hesitate to ask for it!

TWO FILTRATION VESSELS ON ORDER FOR ADDITIONAL WATER TREATMENT

Historically, the Board of Water Commissioners has supported capital projects for water quality and system distribution improvements which can be done over several years. This provides an opportunity for the District to plan and perform the work with District staff and prevents the need to borrow money to finance projects.

One current water quality project will add Well 5 to the South Treatment Plant and Well 22 to the North Treatment Plant. Two treatment vessels have been or-

dered and will take six months for fabrication and delivery. The vessels are about 11' in diameter and about 12' high their pedestals. Each

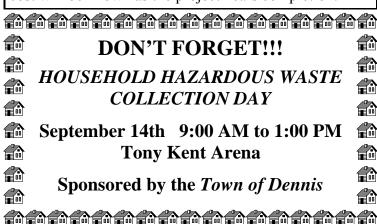


Iron & Manganese Filtration Vessels

filled with 12" of gravel, 18" of greensand and 18" of anthracite and will weigh about 30,000 lbs.

The removal process begins with the addition of chlorine to the water as it leaves the pumping stations. Chlorine is an oxidizer binding with the iron and manganese creating a particle that falls out of the water where it is then caught and filtered out in the treatment vessel. Well 5, at .655 MGD (million gallons per day), is primarily high in manganese. Well 22, at 1 MGD, is primarily high in iron.

The cost of the project is estimated at \$700,000 to \$800,000 and funding will phased in over three fiscal years. With \$600,000 appropriated to date, the final cost will be known as the project nears completion.



Dennis Water District

Town of Dennis

2013 Annual Water Quality Report

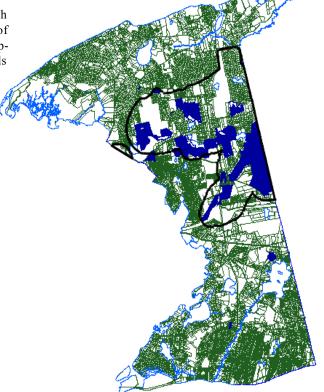
MA Public Water Supplier ID # 4075000

Dear Customer: We are pleased to provide you with our latest water quality summary covering the past year. The Safe Drinking Water Act (SDWA) requires that utilities issue an annual "Consumer Confidence Report" to customers in addition to other notices that may be required by law. This report details our sources of water, what it contains, and the problems and risks our testing and treatments are designed to prevent. The Dennis Water District is committed to providing you with the safest and most reliable water supply possible. Informed consumers are our best allies in maintaining safe drinking water.

Our water supply meets all state and federal water quality standards. We encourage public interest and participation in our community's decisions affecting drinking water. The Board of Water Commissioners meets regularly on the fourth Thursday of each month at 6:00 p.m. in the Martin Training Room at the Dennis Police Department, 96 Bob Crowell Rd., South Dennis. Meetings are subject to change, so please call ahead to confirm the date and time (508-398-3351). The public is welcome to attend. The meetings are generally televised live and replayed on local Channel 18. You are also invited to express your comments or concerns by mailing a letter or sending an email. Please visit our website at www.denniswater.org.

Water Sources In 2013, we supplied the properties in Dennis with 993,886,000 gallons of groundwater pumped from 22 wells all located north of the Route 6. Our wells are situated on more than 1067 acres of watershed property owned or protected by the District. The following is a list of well fields including the wells that operate in those fields.

Wells 1, 2, 3, 12, 23	Old Chatham Road	2,100 GPM
Wells 4, 6, 11, 22	Old Bass River Road	1,600 GPM
Well 5	Route 134	500 GPM
Wells 7, 8, 10	Airline Road	1,300 GPM
Well 9	Grassy Pond Drive	600 GPM
Wells 14, 15	Bakers Pond Road	1,150 GPM
Well 16	Timber Lane	450 GPM
Well 18	Hokum Rock Road	700 GPM
Wells 19, 20	Setucket Road	1,400 GPM
Main Station	80 Old Bass River Road	700 GPM
Well 21	Route 134	700 GPM



Emergency backup supplies would come from surrounding towns if mutual aid was needed. We have three interconnections with the Town of Yarmouth, three with the Town of Harwich and one with the Town of Brewster.

Dennis Source Water AssessmentThis assessment was completed by DEP to delineate the boundaries of those areas providing source water to our public water supply wells and identify, to the extent practicable, the origins of any future contaminants in the delineated area. No areas of contamination were found. The conclusions of the report found that the District has done a good job protecting its sources by acquiring or permanently restricting 1067 acres of watershed, working with the Board of Health to update our Wellhead Protection District and sponsoring yearly Household Hazardous Waste Collection Days. The report recommends that the District continue to educate consumers, through its newsletters, about source protection and to work with local businesses to ensure proper storage and handling of hazardous materials. The zones of contributions to our wells are outlined on the map above. A larger more detailed map is available at the District office and the Town of Dennis Board of Health office. Additional information about the Source Water Assessment can be obtained from the Massachusetts Department of Environmental Protection at http://www.state.ma.us/dep/brp/dws.

Memberships The District is a member of the following organizations: American Water Works Association, Massachusetts Water Works Association, New England Water Works Association, Plymouth County Water Works Association and Barnstable County Water Utilities Association.

Our Goal The District has provided water and water related services to consumers within the Town of Dennis for more than sixty years. We are committed to supplying our current and future customers with a safe and adequate water supply for fire protection and domestic use at a reasonable cost. We will take all practical measures to protect the water system's assets.

How To Read This Table The table on the adjacent page shows the results of our water quality analyses. Every regulated contaminant that we detected in the water, even the most minute traces, is listed here. The table contains the name of each substance, the highest level allowed by regulation (MCL), the ideal goals for public health (MCLG), the highest level actually detected, the highest to the lowest ranges detected from all our wells, the usual sources of such contamination, footnotes explaining our findings, and a key to units of measurement. Definitions of MCL and MCLG are important.

- (MCL) Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
- (MCLG) Maximum Contaminant Level Goal: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
- (MRDL) Maximum Residual Disinfectant Level: The highest level of disinfectant (chlorine) allowed in drinking water.
- (MRDLG) Maximum Residual Disinfectant Level Goal: The level of a drinking water disinfectant below which there is no known expected risk to health.
- (SMCL) Secondary Maximum Contaminant Level: These levels of a contaminant are developed to protect against the aesthetic qualities of drinking water and are not health based.
- (ORS G) Mass. Office of Research and Standards Guideline: This is the concentration of a chemical in drinking water, at or below, which adverse, non-cancer health affects are unlikely to occur after chronic (lifetime) exposure.

Wate r-Quality Table Notes Lead and copper are elements that occur naturally in the environment. When these two elements are found in our drinking water, it is most often the result of water interacting with materials found in plumbing, not from the water source. Since 1993, the water has been treated with potassium hydroxide to raise the pH from 5.5 to 7.0. The reason for this is to minimize the corrosion of plumbing and the consumer's exposure to lead and copper. Due to the effectiveness of this treatment, the District has been placed on a reduced monitoring program. Since treatment began, we continue to meet the requirements of the Safe Drinking Water Act.

- ¹ Chloroform occurs naturally here on Cape Cod. Future studies by DEP are planned to determine the reasons for this.
- ² Sodium can occur naturally and can also be attributed to road runoff.
- ³ The aesthetic limits for iron and manganese are .3 ppm and .05 ppm respectively.

While some of our wells exceed the levels for iron and manganese, the limits were established for aesthetic reasons and *not* for health concerns. Levels above the recommended limits have been known to cause discoloration, taste and odor problems. They have been present in our water system as long as the District has been pumping water. We continue to monitor the iron and manganese in our wells. In 2009, the District completed the construction of two 4 million gallon per day iron and manganese removal plants to improve the aesthetics and water quality concerns associated with these minerals in the distribution system. We are proud to say they are working well and conditions in the system have improved.

Lead & Copper The most recent samples were taken during 2011. The District tested for Lead & Copper by taking samples from 30 homes. Lead was detected in 2 samples above the action level however, the total percent was under the limit established by EPA guidelines. A complete list of all results from this testing by the District in 2011 is available upon request or by visiting the District office during regular business hours: Monday through Friday 8 a.m. to 4 p.m. **The following is an education statement required under EPA regulations**:

"If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The Dennis Water District is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at: http://www.epa.gov/safewater/lead.

Total Coliform The Total Coliform Rule requires systems to test for bacteria on a regular monthly schedule based on the population served. Coliforms are bacteria that are naturally present in the environment and are not harmful themselves; however, their presence can be an indicator that other potentially harmful bacteria may also be present.

Emergency Response Plan Updated

In 2011, the District updated its Emergency Response Plan (ERP) which meets Massachusetts Departments of Environmental regulations 310 CMR 22.04(13) and Massachusetts Guidelines and Policies for Public Water Suppliers. The ERP is a general guide for the District to use in the case of an emergency.

As part of the new ERP, a new training program for District employees was developed and approved by the Massachusetts Board of Certified Water Operators. This training program has helped strengthen the District's ability to quickly identify and act in emergency situations. Credits from these training sessions are awarded to our operators and used as education credits towards there state drinking water licenses.

In 2011, the District enhanced its ERP. An emergency calling service also known as "Reverse 9-1-1" was initiated. The emergency calling program is provided by CodeRED. It enables the District to notify residents and businesses of water emergencies such as a "boil water" order or a major water main break. Information about CodeRED can be found on the District's website. Customers can customize their calling preferences (ex: adding a cell phone) by following the link on the left side of the home page. If you have questions, please call the District at 508-398-3351.

The mission of the District is to protect the public health of our customers by being prepared to respond immediately to a variety of events that may result in contamination of the water supply or disruption of supplying water. This Emergency Response Plan and training is a tool to achieve this mission.

Contaminant	Date Tested	Unit	MCL	MCLG	Highest Detected Level	Range Lowest to Highest	Major Sources	Violation		
Inorganic Contaminants										
Nitrate	03/18/13	ppm	10	10	2.07	ND - 2.07	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits	NO		
Perchlorate	08/20/13	ppb	2	NA	0.25	.0825	Rocket propellant, Fireworks, Monitions, Flares, Blast ingredents	NO		
Sodium ²	03/18/13	ppm	NA	NA	71.1	78.9 - 71.1	Run off from use of salt on roads	NO		
				Radioactive	Contaminants					
Gross Alpha Activity	10/28/13	pCi/L	15	0	0.190	ND19	Erosion of natural deposits	NO		
Radium 228	10/28/13	pCi/L	5	0	1.8	ND - 1.8	Erosion of natural deposits	NO		
HAA5	ı				ic Contaminants		By-product of drinking water			
Haloacetic Acids	8/20/2013	ppb	60	NA	ND	ND	chlorination	NO		
THHM Trihalomethanes	8/20/2013	ppb	80	NA	9.6	3.9 - 9.6	By-product of drinking water chlorination	NO		
				Unregulated	Contaminants					
Contaminant	Date Tested	Unit	SMCL	ORSG	Average Detected Level	Range Lowest to Highest	Sources	Violation		
Chloroform ¹	05/14/13	ppb	NA	NA	1.72	ND - 3.9	By-product of drinking water chlorination	NO		
Bromodichloromethane	05/14/13	ppb	NA	NA	1	ND - 1.0	By-product of drinking water chlorination	NO		
Chlorodibromomethane	05/14/13	ppb	NA	NA	1.2	ND -1.2	By-product of drinking water chlorination	NO		
МТВЕ	05/14/13	ppb	20 - 40	70	0.85	ND85	Fuel Additive, leaks & spills from gasoline storage tanks	NO		
Contaminant	Date Tested	Unit	MRDL	MRDLG	Highest Detected Level	Range Lowest to Highest	Sources	Violation		
Chlorine	2013	ppm	4	NA	0.35	ND35	Product of drinking water chlorination	NO		
				Secondary (Contaminants					
Contaminant	Date Tested	Unit	SMCL	Health Advisory	Highest Detected Level	Range Lowest to Highest	Major Sources	Violation		
Manganese ³	12/12/13	ppm	0.05	0.3	0.03	ND03	Naturally present in the environment	NO		
Iron ³	03/24/13	ppm	0.3	NA	0.97	ND97	Naturally present in the environment	NO		
				Lead 8	Copper					
Contaminant	Date Tested	90th Percentile	# of Sites Exceeded Action Level	# of Sites Sampled	MCL (Action Level)	MCLG	Major Sources	Violation		
Lead	Aug & Sept 2011	6	2	30	15 ppb	0 ppb	Corrosion of household plumbing Erosion of natural deposits	NO		
Copper	Aug & Sept 2011	0.17	0	30	1.3 ppm	1.3 ppm	Corrosion of household plumbing Erosion of natural deposits and leaching of wood preservatives	NO		
				Microbiologica	al Contaminants					
Contaminant	Date	Highest # pos taken in		Highest % Positive in a Month	MCL	MCLG	Major Sources	Violation		
Total Coliform Bacteria	July 15 & 16	2 positive dete	ctions in 2013	2.4%	5%	0	Naturally present in the environment	NO		

Key to Table

AL = Action Level
MCL = Maximum Contaminant Level
MCLG = Maximum Contaminant Level Goal
MFL = Million Fibers per Liter
MRDL = Maximum Residual Disinfectant Level

pCi/l = picocuries per liter (a measure of radioactivity) ppm = parts per million or milligrams per liter (mg/l) ppb = parts per billion, or micrograms per liter (μ g/l) ppt = parts per trillion, or nanograms per liter

Water Treatment Techniques

Corrosion Control through pH Adjustment Many drinking water sources in New England are naturally corrosive (i.e. they have a pH of less than 7.0). The water they supply has a tendency to corrode and dissolve the metal piping it flows through. This not only damages pipes but can also add harmful metals, such as lead and copper, to the water. For this reason it is beneficial to add chemicals that make the water neutral or slightly alkaline. This is done by adding any one, or a combination of several, approved chemicals. The Dennis Water District adds potassium hydroxide to its water. This adjusts the water to a non-corrosive pH. Testing throughout the water system has shown that this treatment has been effective at reducing lead and copper concentrations.

<u>Iron & Manganese Removal</u> Iron and Manganese are often present in groundwater at levels that can discolor the water or cause it to take on unpleasant odors or tastes. Although the water may still be safe to drink, treatment is often desirable. Our treatment consists of adding sodium hypochlorite (chlorine) to the water which makes the iron and manganese precipitate out of solution and finally removed by running the water through one of our two filter plants. Finish water results show nearly no detections of iron or manganese.

<u>Disinfection</u> The District uses sodium hypochlorite, also known as chlorine, in the distribution system. Initially it was only routinely used during our flushing program in the spring and fall of each year. Since 2007, the District has year-round chlorination of the distribution system. Chlorine is added at a rate of .5 ppm as a preventative measure to eliminate any microorganisms.

All chemicals used by the District are approved for water treatment by one of the following organizations; National Sanitation Foundation International or United Laboratories, both accredited by the American National Standards Institute. Chemicals also meet performance standards established by the American Water Works Association.

Mandatory EPA Health State mentTo ensure that tap water is safe to drink, the Massachusetts Department of Environmental Protection and the Environmental Protection Agency (EPA) prescribe limits on the amount of certain contaminants in water provided by public water systems. The Federal Food and Drug Administration and the Massachusetts Department of Public Health Regulations establish limits for contaminants in bottled water.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791) or by visiting their general website at http://www.epa.gov

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 radioactive material, and can absorb substances resulting from the presence of animals or human activity. Contaminants that may be present in source water include:

- (A) Microbial contaminants such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- (B) Inorganic contaminants, such as salts and metals, can be naturally occurring or result from urban storm runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- (C) Pesticides and herbicides, which may come from a variety of sources such as agriculture, storm water runoff, and residential uses.
- (D) Organic chemical contaminants, including synthetic and volatile organics, which are by-products of industrial processes and petroleum production, can also come from gas stations, urban storm water runoff and septic systems.
- (E) Radioactive contaminants can be naturally occurring or 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, persons 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 are available from the Safe Drinking Water Hotline (800-426-4791).

Please share this information with other people who you know drink water provided by Dennis Water District, especially those who may not have received this notice directly (for example, people living in apartments, nursing homes, or who visit our schools and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail. Your cooperation by sharing this information is appreciated.

What does this all mean? Our water supply is safe! As you can see in our table, the District experienced no violations during 2013. The District takes more than 1,000 test samples for various contaminants each year as required by EPA and DEP. Some detections are made at low levels yet all were within required limits. It is not possible to include all the contaminants that we test for in the space provided; nor, is it required. A complete list can be obtained on request by contacting the District.

How Will You Be Notified In An Emergency In the event of a non-acute violation, the District must submit notices within 14days for publication in local newspapers explaining the violation. The notices will contain important information for consumers and what actions are being taken by the District to achieve compliance.

In the event of an acute violation or an immediate emergency, the District must issue a public notice for release through *CodeRED* and electronic media (radio, television, etc.) within 24 hours. The notice must explain the situation, including actions or precautions consumers may need to take. The notice will also describe the actions being taken by the District to resolve the problem. While regulations require a 24-hour public notice, our goal is to release the information as soon as possible.