

**REPORTS OF THE OFFICERS  
OF THE  
DENNIS WATER DISTRICT  
FOR THE  
CALENDAR AND FISCAL YEAR  
2008**

# **DISTRICT OFFICIALS**

## **2008**

### ***ELECTED OFFICIALS***

#### **WATER COMMISSIONERS**

Edward A. Crowell, Chairman, South Dennis  
Paul F. Prue, Dennis  
Charles F. Crowell, East Dennis

#### **Term Expires**

2009  
2011  
2010

#### **MODERATOR**

William E. Crowell, Jr., East Dennis

2009

### ***APPOINTED BY MODERATOR***

#### **FINANCE COMMITTEE**

Charles E. Chamberlain, Jr.  
Greg Stone  
Kate Byron  
David Talbott  
John Shea

2011  
2010  
2009  
2011  
2010

### ***EMPLOYEES APPOINTED BY WATER COMMISSIONERS***

#### **SUPERINTENDENT**

David Larkowski

#### **CLERK & TREASURER**

Sheryl A. McMahon

#### **ASSISTANT SUPERINTENDENT**

James Ritchie

#### **Administration**

Karen Gaumont  
Ralph Luedeker  
Carole Martino

#### **Water Works & Production**

Peter Alex  
George Avery  
Robert Barboza  
Edward Blake  
Adam Curtis  
Kenneth Davis  
Franklin Harris  
Scott Hollis  
Joseph Kraul  
Profirio Pina, Jr.  
Joshua Majka  
Jonathan Moore  
Brian Saunders  
Anthony Teixeira

#### **COUNSEL**

John C. Crenney, PC (Deceased)  
Thomas J. Perrino, Esq. (Appt.  
December 2008)

#### **CONSULTING ENGINEERS**

Earth Tech, Inc.  
Stearns & Wheler, LLC

# ***REPORT OF THE BOARD OF WATER COMMISSIONERS 2008***

The Board of Water Commissioners is extremely proud of the dedication and determination of our management team and staff in undertaking, what is most likely, one of the largest public works projects in Dennis, that being the construction of two iron and manganese treatment plants. For many years the Commissioners have considered and implemented various methods of trying to minimize and control the affects the high levels of iron and manganese were having in the distribution system. Sodium hypochlorite was added to the water as it left certain wells in an attempt to sequester the iron and keep it from falling out of solution and an aggressive flushing program was instituted in order to remove accumulated iron deposits from the water mains. These measures only made minor improvements to the water quality delivered to homes and businesses.

Following a year-long investigation and analysis, with the help of our consulting engineers at Earth Tech, Inc., the Board decided to issue bids for the construction of two identical treatment plants. To fund this project, the Board sought and was awarded an \$8.6 million loan from the Massachusetts Water Pollution Abatement Trust's State Revolving Fund program for drinking water projects. A very favorable 2% interest rate will save the District approximately \$2 million over the life of the twenty-year loan. The voters at the Annual District Meeting agreed with the Board and approved the borrowing authorization.

The self-performing work done by our staff will save the District rate payers approximately \$2.5 million dollars by the time the project is complete and the treatment goes on line. Our work included the installation of 25,429 linear feet of raw and treated water main, the construction of six 110' x 850' x 6' backwash lagoons, 300' of underground electrical service and a myriad of other essential construction tasks. This could not be achieved without the self-motivation, enthusiasm and an outstanding esprit de corps exhibited by our staff both in the field and in the office.

In terms of our investigation into wastewater management planning, the voters approved the Board's recommendation that the District file special legislation that would enable us to assume the authority and responsibility for wastewater. Our thanks to Representative Cleon Turner for assisting in crafting the legislation that was filed in early January 2009. The voters also approved the filing of legislation to combine the District's election with the Town's election in order to bring more awareness, convenience and participation in District affairs.

**In November, the Board felt a great loss with the sudden passing of Attorney John C. Creney. John served the Board as general counsel for more than thirty years. His comprehensive experience with municipal issues and land acquisition was invaluable to the Board when it came to counseling us on complicated matters. His sage advise and quiet demeanor will be difficult to replace.**

**We can not leave this report without expressing our heartfelt loss of the passing of Charles E. Chamberlain, Jr. (January 2009). Charlie served as a charter member of the District Finance Committee when it was first established in 1977. He went through the budget with a keen eye to detail and an encompassing understanding of the broad scope of work that needed to be done. He always made sound recommendations for the Board's consideration. He was a fervent supporter of the District and supported our early efforts to investigate the wastewater needs of the Town. He will be sorely missed as a colleague, supporter and friend.**

#### **BOARD OF WATER COMMISSIONERS**

**Edward A. Crowell, Chairman  
Paul F. Prue  
Charles F. Crowell**

## MINUTES OF THE ANNUAL DISTRICT MEETING HELD ON APRIL 28 & 29, 2008

Agreeable to the Warrant, the inhabitants of the Dennis Water District qualified to vote in District elections met at the following locations on April 28, 2008:

Voters of Precincts 1 & 2 (Dennis and East Dennis)  
CARLETON HALL, Old Bass River Rd., Dennis

Voters of Precincts 3, 4, & 5  
(Dennisport, West Dennis and South Dennis)  
1867 WEST DENNIS GRADED SCHOOL  
School St., West Dennis

The polls were declared open at 12:00 noon in each voting area, and were declared closed at 6:00 PM.

The Wardens of each voting area filed reports with the District Clerk, who found the results to be as follows:

<u>Water Commissioner for 3 years</u>	Voting Area		Total
	North	South	
Paul F. Prue	35	26	61
Total	35	26	61

### *SUBSEQUENT MEETING*

In further accord with the Warrant, the subsequent meeting was called to order by the Moderator, William E. Crowell, Jr., at 7:04PM on April 29, 2008, at the Dennis Senior Center, 1045 Route 134, South Dennis, upon having declared a quorum of 25 voters present. The Moderator then proceeded with the reading of the Warrant.

On a motion made by Kate Byron, and duly seconded, those present **UNANIMOUSLY VOTED to wave the balance of the formal reading of the Warrant.**

District Clerk, Sheryl A. McMahon, read the results of the Annual Election held the previous day (ARTICLE 1). The Moderator then declared Paul F. Prue as Water Commissioner for a term of three years. Moderator Crowell then administered an oath of office to Commissioner Prue (7:06PM).

The Moderator then called for:

**ARTICLE 2. UNANIMOUSLY VOTED:** To accept the Reports of the District Officers for the Fiscal and Calendar Year 2007 as printed, with the exception of printer's errors.

**ARTICLE 3. UNANIMOUSLY VOTED:** To transfer and appropriate the sum of \$7,956 from the General Water District Revenues of the Fiscal Year 2009 for the salaries of the elected officials as listed in the warrant: 3 Water Commissioners at \$2,550 each and 1 Moderator at \$306

**ARTICLE 4. UNANIMOUSLY VOTED:** To amend the By-Laws of the Dennis Water District by deleting Article Two, Section One and inserting the following language:

## ARTICLE TWO – MEETINGS

*Section One: For the year 2009 and each year thereafter, the annual meeting shall be held on the fourth Tuesday in April, and the annual election of the officers shall be held on the second Tuesday following the first Monday in May, and that whenever practical, the District election of officers and any other matter which may appear on the official ballot be printed on the Town of Dennis official ballot.*

On a motion made by Paul F. Prue, and duly seconded, those present **UNANIMOUSLY VOTED: to take Article 10 out of order.**

**ARTICLE 10. UNANIMOUSLY VOTED:** To request that the Town of Dennis, beginning no sooner than the Town Election held in 2009, allow the District Election to 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 and to authorize said Water Commissioners to file legislation with the Massachusetts General Court which would authorize the District to hold the District Election in conjunction with the Dennis Town Election.

**ARTICLE 5. UNANIMOUSLY VOTED:** That the sum of \$9,500,000 be and hereby is appropriated to pay costs of designing and constructing two water treatment facilities and related water mains and for the payment of all other costs incidental and related thereto, and that to meet this appropriation, the Treasurer, with the approval of the Water Commissioners, is hereby authorized to borrow said amount under and pursuant to Chapter 44, Sections 7 and 8 of the General Laws, or pursuant to any other enabling authority, and to issue bonds or notes of the District therefor.

**ARTICLE 6. MAJORITY VOTE:** To transfer and appropriate the sum of \$2,843,364 from the General Water District Revenues for the Fiscal Year 2009 Operating and Maintenance Budget.

**ARTICLE 7. UNANIMOUSLY VOTED:** To transfer and appropriate the sum of \$757,418 from the FY 2009 General Water District Revenues for the General Expenses as listed in the warrant:

Reserve Fund	\$ 50,000
Principal on Loans	330,000
Interest on Loans	140,418
Loan Issuance Expense	35,000
Fiscal 2008 Audit	13,000
Safe Drinking Water Act Assessment	3,000
Insurance Expense (property, casualty, auto, etc)	101,000
Water Services	70,000
Household Hazardous Waste Collection	12,000
Leak Detection Survey	3,000

**ARTICLE 8. UNANIMOUSLY VOTED:** To transfer and appropriate from “Free Cash” \$102,735; \$65,000 for the purchase of New Trucks with equipment and to authorize the Board of Water Commissioners to sell or trade a 2000 ¾-ton diesel pickup truck, a 2002 ½-ton pickup truck and a 2001 ½-ton pickup truck to be applied to the purchase price, \$10,000 to make Improvements to Construction Equipment and \$27,735 for Miscellaneous Equipment as listed in the warrant Miscellaneous Equipment (street sweeper replacements, 3” mole, mole hoses and clamping tool, OCR-coupon reading machine, desktop plotter, high-speed color laser printer, equipment trailer) for a total of \$102, 735 for Capital Expenditures.

**ARTICLE 9. MAJORITY VOTE:** To raise and appropriate \$200,000 for the purpose of continuing to fund the collaborative work of the Dennis Water District with the Massachusetts Estuaries Project and to pay for engineering, legal and other professional services and for any other incidental costs related to the development of a Comprehensive Wastewater Management Plan and further that the District authorize the Board of Water Commissioners to file legislation with the Massachusetts General Court which would enable the District to assume the authority and responsibility for implementing an economical and efficient wastewater management system within the Town of Dennis, all to the public benefit and good, and that such legislation enacted be subject to ratification by a two-thirds vote of the District voters at a District Meeting, and further that the Water Commissioners report the progress of their work to the voters at the next Annual District Meeting.

**ARTICLE 10. TAKEN OUT OF ORDER IMMEDIATELY FOLLOWING ARTICLE 4.**

**ARTICLE 11. UNANIMOUSLY VOTED:** To authorize the Board of Water Commissioners to accept a gift of land from the owner or owners of a parcel of land containing 5,663 square feet, more or less, located at 79 Pilot Drive, and shown on Town of Dennis Assessor's Map 237, Parcel 35, in East Dennis and to record such gift as a taking by eminent domain with the consent of the owner.

**ARTICLE 12. UNANIMOUSLY VOTED:** To transfer and appropriate \$70,626 from the General Water District Revenues of the Fiscal year 2009 and \$79,374 from the "Free Cash" for a total of \$150,000 to the Stabilization Fund.

With no further business before the Meeting and on a motion made by Greg Stone, and duly seconded, the meeting was dissolved at 8:18 PM.

Respectfully submitted,

Sheryl A. McMahon  
District Clerk

# Dennis Water District

## BALANCE SHEET

### As of June 30, 2008

	Detail	Debit	Credit
<b>CASH ITEMS:</b>			
1020 · Petty Cash Advance		500.00	
1040 · Cash - Unrestricted		2,016,045.51	
1050 · Cash - Restricted		259,239.61	
1120 · Investments - Unrestricted		131,647.17	
1130 · Investments - Restricted		131,047.22	
<b>ACCOUNTS RECEIVABLE:</b>			
1410 · Water Receivables		61,895.51	
1415 · Water Liens Receivable			
1415-02 · FY 2002 Water Liens	2,269.06		
1415-03 · FY 2003 Water Liens	684.39		
1415-05 · FY 2005 Water Liens	106.23		
1415-94 · FY 1994 Water Liens	774.97		
1415-95 · FY 1995 Water Liens	82.95		
1415-96 · FY 1996 Water Liens	57.77		
1415-98 · FY 1998 Water Liens	722.43		
	<hr/>		
Total 1415 · Water Liens Receivable		4,697.80	
1450 · Water Liens in Tax Title		5,862.72	
<b>PAYROLL LIABILITIES:</b>			
2100 · Payroll Liabilities			
2100-11 · AFLAC - Accident Insurance	-20.79		
2100-12 · AFLAC - Short Term Disability	-76.58		
2100-13 · AFLAC NE Cancer Insurance	-41.03		
2100-14 · AFLAC NE Life Insurance	-19.56		
2100-50 · Health Insurance - Active	-6,232.93		
2100-51 · Dental Premiums	-409.84		
2100-53 · Life Insurance Premiums	-19.72		
	<hr/>		
Total 2100 · Payroll Liabilities			6,820.45
<b>LOANS:</b>			
2800 · Loans Authorized and Unissued			9,228,695.76
2900 · Loans Authorized		9,820,000.00	
2980 · Temporary Debit - BAN			
2980-20 · Land Purchase of 11 acres	-320,000.00		
2980-40 · Water Treatment Facilities	-271,304.24		
	<hr/>		
Total 2980 · Temporary Debit - BAN			591,304.24
<b>RESERVES AND SURPLUS ACCOUNTS:</b>			
3169 · FY 2008 Accruals			44,542.22
3230 · Premium on Sale of Bonds			2,728.42
3241 · Reserve for Mass Sales Tax			1,353.01
3245 · Stabilization Fund			690,385.51
3250 · Reserve for Petty Cash Advance			500.00
3293 · Accrued Sick Leave Buy Back			63,023.57
3294 · Reserve for SDWA			10,371.93
3590 · Surplus Revenue			781,691.36



## BALANCE SHEET Continued

### FISCAL CONTROL ACCOUNTS:

3809 · Revenue Control - FY 2009	3,879,364.00	
3859 · Appropriation Control FY 2009		3,879,364.00

### REVENUE ACCOUNTS:

4210 · Water Revenue		61,895.51
4215 · Water Lien Revenue		10,560.52

### APPROPRIATION ACCOUNTS:

5610 · Land Acquisition Expenses		10,207.81
5640 · Cleaning Wells & Pump Repairs		131,484.82
5650 · Household Hazardous Waste Day		5,782.06
5660 · Leak Detection Survey		3,019.79
5665 · Hydro Study Whites Pond		2,761.08
5675 · Ground Water Study		20,000.00
5680 · Water Main Rehabilitation		269,718.64
5834 · SCADA System		25,540.13
5835 · Security Upgrades		29,372.63
5839 · Misc Equipment 4/29/08		21,370.00
5844 · Misc Equipment - 4/24/07		8,172.96
5845 · New Trucks 4/24/07		2,125.50
5848 · New Trucks w/equip - 4/29/08		5,495.89
5849 · Imprvmnts Constr Equip 4/29/08		10,000.00
5860 · Painting Exterior Rte 134 Tank		81,173.41
5875 · Water Treatment Facilities		180,500.09
6500 · Wastewater Studies		130,338.23

### TOTAL

<b>16,310,299.54</b>	<b>16,310,299.54</b>
----------------------	----------------------

### 7000 · Debt Accounts

7100 · Net Funded or Fixed Debt	2,500,000.00	
7600-01 · Land for Watershed Protection		-2,500,000.00

**DENNIS WATER DISTRICT**  
**FISCAL YEAR 2008**  
**REPORT OF RECEIPTS AND EXPENDITURES**

**CASH**

1020 · Petty Cash Advance	500.00
1040 · Cash - Unrestricted	2,093,163.95
1050 · Cash - Restricted	7,494.83
1120 · Investments - Unrestricted	210,148.21
1130 · Investments - Restricted	407,097.15

BALANCES AS OF JUNE 30, 2007

2,718,404.14

**RECEIPTS**

**RECEIVABLES**

1410 · Water Receivables	3,529,693.10
1415-07 · FY 2007 Water Liens	1,541.56
1415-08 · FY 2008 Water Liens	1,005.66

3,532,240.32

**PAYROLL AGENCIES**

2100-01 · Federal Income Tax Withheld	122,993.00
2100-02 · FICA/Medicare Taxes Withheld	13,309.80
2100-03 · State Income Tax Withheld	58,172.60
2100-04 · County Retirement Withholdings	105,308.25
2100-06 · Employee Direct Deposits	702,455.36
2100-07 · Employee Garnishments	930.00
2100-08 · Short Term Disability Premiums	4,740.08
2100-09 · Deferred Compensation	70,966.50
2100-10 · Accident Insurance	564.20
2100-11 · AFLAC - Accident Insurance	992.93
2100-12 · AFLAC - Short Term Disability	2,734.58
2100-13 · AFLAC NE Cancer Insurance	368.91
2100-14 · AFLAC NE Life Insurance	176.04
2100-50 · Health Insurance - Active	82,060.02
2100-51 · Dental Premiums	6,211.09
2100-52 · Health Premiums - Retirees	1,914.00
2100-53 · Life Insurance Premiums	373.62

1,174,270.98

**PROCEEDS FROM TEMPORARY LOANS**

2980-20 · Water Treatment Facilities

271,304.24

**RESERVES AND TAILINGS**

2520 · Tailings - Unclaimed Property	
3169-01 · Payroll Accruals FY 2008	34,852.58
3169-02 · Accounts Payable Accruals FY 08	4,255.43
3168-03 · Reserve for Worker's Comp Audit	5,434.21
3230 · Premiums from Sale of Bonds	2,728.42
3244 · Property & Casualty Claims	8,476.76
3245 · Stabilization Fund	26,419.53
3293 · Accrued Sick Leave Buy Back	9,746.77
3294 · SDWA Assessment Reserve	1,500.00

93,413.70

**REVENUES**

4240 · Income on Available Funds	59,534.42
4640 · Tank Rental Fees	235,282.21
4840 · Miscellaneous Receipts	8,552.96

303,369.59

**PROCEEDS FROM BORROWINGS**

4980 · Proceeds from Five-Year BAN

TOTAL RECEIPTS AND CASH BALANCES AS OF JUNE 30, 2008: **8,093,002.97**

# RECEIPTS AND EXPENDITURES Continued

## EXPENDITURES

RECEIVABLES - Refunds		
1410 · Water Receivables		3,775.02
PAYROLL AGENCIES		
2100-01 · Federal Income Tax Withheld	122,993.00	
2100-02 · FICA/Medicare Taxes Withheld	13,309.80	
2100-03 · State Income Tax Withheld	58,172.60	
2100-04 · County Retirement Withholdings	105,308.25	
2100-06 · Employee Direct Deposits	702,455.36	
2100-07 · Employee Garnishments	930.00	
2100-08 · Short Term Disability Premiums	4,739.82	
2100-09 · Deferred Compensation	70,966.50	
2100-10 · Accident Insurance	563.94	
2100-11 · AFLAC - Accident Insurance	991.14	
2100-12 · AFLAC - Short Term Disability	2,707.13	
2100-13 · AFLAC NE Cancer Insurance	327.88	
2100-14 · AFLAC NE Life Insurance	156.48	
2100-50 · Health Insurance - Active	84,256.70	
2100-51 · Dental Premiums	6,468.00	
2100-52 · Health Premiums - Retirees	1,914.00	
2100-53 · Life Insurance Premiums	389.28	
		1,176,649.88
RESERVES AND TAILINGS		
3168 · FY 2007 Accruals	32,756.47	
3241 · Reserve for Mass Sales Tax	2,903.17	
3244 · Property & Casualty Claims	3,102.89	
3294 · Reserve for SDWA Assessment	7,457.40	
		46,219.93
OPERATING & MAINTENANCE		
5000-01 · Gasoline	28,442.81	
5000-02 · Tractor Expense	5,688.30	
5000-03 · Truck Maintenance & Repairs	9,632.94	
5000-04 · Misc Equip Repairs & Mainten	5,112.97	
5000-05 · Electricity	253,265.93	
5000-06 · Diesel Fuel	17,905.96	
5000-07 · Heating - Main Station	2,927.69	
5000-08 · Heating - Booster Station	1,984.21	
5000-09 · Sick Leave Buy-Back	23,560.00	
5000-11 · Treatment Chemicals	116,359.45	
5000-12 · Propane Gas	22,537.64	
5000-13 · Treasurer's Expense	5,313.36	
5000-14 · Technical Services	1,355.00	
5000-15 · Mains & Hydrants	12,898.18	
5000-16 · Legal Services	11,318.25	
5000-17 · Postage Expenses	19,404.36	
5000-18 · Printing & Advertising	5,688.84	
5000-19 · Office Expenses	7,948.21	
5000-20 · Tool Expense	6,360.97	
5000-21 · Meters & Parts	80,465.53	
5000-23 · Superintendent's Expense	605.79	
5000-24 · Licenses, Dues & Training	2,682.49	
5000-26 · Safety Equipment & Supplies	2,547.83	
5000-27 · Substance Abuse Free Workplace	675.00	
5000-28 · Communication Expenses	15,306.57	

## RECEIPTS AND EXPENDITURES Continued

5000-29 · FICA/Medicare & UHI Tax Expense	14,055.60	
5000-30 · Group Insurance Costs	262,479.62	
5000-31 · County Retirement Assessment	164,941.00	
5000-34 · Computer Expenses	10,815.50	
5000-35 · Uniforms, Rugs Rentals	19,524.37	
5000-36 · Rubbish Removal	1,375.00	
5000-37 · General Supplies	2,415.31	
5000-38 · Other Necessary Expenses	1,977.31	
5000-40 · Water Quality Expenses	35,473.74	
5000-60 · Payroll - Office & Admin	360,800.23	
5000-61 · Payroll - Water Works	772,222.61	
5000-62 · Payroll - On Call Duty	30,804.26	
5000-63 · Payroll - Station Duty	32,351.20	
5000-64 · Payroll - Overtime	37,267.21	
5000-65 · Regrades & Bonuses	4,407.50	
5000-66 · Payroll - Def Comp DWD share	24,384.75	
5000-67 · Payroll - Longevity	8,300.00	
5010 · Repairs & Maintenance	<u>78,527.24</u>	
		2,522,110.73
<b>APPROPRIATIONS</b>		
5130 · Elected Officials Salaries	7,956.00	
5140 · Principal on Debt	160,000.00	
5150 · Interest on Debt	183,205.00	
5155 · Bond Issuance Costs	13,500.00	
5160 · Financial Audit FY 2007	12,275.00	
5165 · Safe Drinking Water Act Assessment	3,000.00	
5170 · Insurance Expense	94,769.00	
5190 · Water Services	62,808.96	
5640 · Cleaning Wells & Pump Repairs	16,131.43	
5650 · Household Hazardous Waste Collection De	6,838.01	
5660 · Leak Detection Survey	4,931.65	
5680 · Water Main Rehabilitation	32,738.53	
5824 · Computer Equip/Soft Upgrades	8,173.88	
5828 · Upgrades to Meter Reading Equipment	8,338.00	
5834 · SCADA System	1,000.00	
5839 · Misc Equipment - 4/29/08	6,365.00	
5841 · Repairs to Backhoe/Loader	5,104.95	
5843 · Repairs to Folding Machine	2,982.43	
5844 · Misc Equipment - 4/24/07	1,827.04	
5845 · New Trucks 4/24/07	1,126.64	
5848 · New Trucks 4/29/08	59,462.24	
5850 · New Well Project	5,392.31	
5860 · Painting Exterior Rte 134 Tank	518,801.59	
5870 · Feasibility Study Iron Removal	24,626.21	
5875 · Water Treatment Facilities	490,810.15	
6500 · Wastewater Studies	<u>73,603.88</u>	
		1,805,767.90
<b>CASH</b>		
1020 · Petty Cash Advance	500.00	
1040 · Cash - Unrestricted	2,016,045.51	
1050 · Cash - Restricted	259,239.61	
1120 · Investments - Unrestricted	131,647.17	
1130 · Investments - Restricted	<u>131,047.22</u>	
BALANCES AS OF JUNE 30, 2008		<u>2,538,479.51</u>
TOTAL EXPENDITURES AND CASH BALANCES:		<u><b>8,093,002.97</b></u>

**DENNIS WATER DISTRICT  
FISCAL YEAR 2008 PAYROLL**

<i>Regular Employees</i>	<i>Position</i>	<i>Treatment Plant Project</i>			<i>Treatment Plant Project</i>			<i>Total</i>
		<i>Regular</i>	<i>Straight</i>	<i>Overtime</i>	<i>Overtime</i>	<i>Longevity</i>	<i>Bonus</i>	
Alex, Peter W	Meter Technician	38,551.42		2,248.91	904.94		250.00	41,955.27
Avery, George A	Station Maintenance	60,188.80		83.64		1,100.00	250.00	61,622.44
Barboza, Robert J	System Maintenance	60,430.00	1,076.30	17,710.50	1,778.11	300.00	250.00	81,544.91
Blake, Edward S	Meter Technician	43,227.46		439.78			250.00	43,917.24
Curtis, Adam L	Laborer	39,806.40	910.43	776.58	1,740.86		250.00	43,484.27
Davis, Kenneth J	System Maintenance	50,015.23		3,224.31	2,400.53		250.00	55,890.07
Gaumont, Karen	Administrative Assistant	54,610.40					250.00	54,860.40
Griffin, David W	System Maintenance	52,550.40	120.00	21,576.08	275.73	700.00	250.00	75,472.21
Harris, Franklin L	Meter Technician	51,572.83		15,761.75		1,000.00	250.00	68,584.58
Hollis, Scott	System Maint/Mechanic	48,248.02	402.50	5,763.17	1,714.37		250.00	56,378.06
Kraul, Joseph D	Electrician	40,397.11		1,061.06			157.50	41,615.67
Larkowski, David A	Superintendent	102,360.37		4,266.00	4,136.03	1,300.00		112,062.40
Luedeker, Ralph H	Administrative Assistant	56,211.08		176.81		1,200.00	250.00	57,837.89
Majka, Joshua D	Meter Technician	37,685.61		1,088.42	2,271.27		250.00	41,295.30
Martino, Carole J	Administrative Assistant	51,304.44					250.00	51,554.44
McMahon, Sheryl A	Clerk & Treasurer	102,264.22				1,100.00		103,364.22
Moore, Jonanthan C	Laborer	44,633.61	1,545.80	2,487.81	2,477.05		250.00	51,394.27
Pina, Jr., Profirio J	Machine Operator	60,454.40	1,442.70	2,930.37	3,267.46	300.00	250.00	68,644.93
Ritchie, James E	Assistant Superintendent	80,131.22	23.88	8,890.36	2,917.93	500.00	250.00	92,713.39
Saunders, Brian J	Station Maintenance	60,188.80	53.28	15,234.84	1,023.25	800.00	250.00	77,550.17
Teixeira, Anthony	Backflow Device Inspector	5,321.32						5,321.32
		<u>\$ 1,140,153.14</u>	<u>\$ 5,574.89</u>	<u>\$ 103,720.39</u>	<u>\$ 24,907.53</u>	<u>\$ 8,300.00</u>	<u>\$ 4,407.50</u>	<u>\$ 1,287,063.45</u>

# **SUPERINTENDENT'S REPORT**

## **2008**

The year 2008 began like most others with normal operating and maintenance projects such as meter reading, seasonal meter installs, service work, pump station maintenance and the flushing of the water mains. As it turns out, it was the beginning of a busy year for the District.

Design and permitting of two new iron and manganese removal plants was nearing completion. There were a number of meetings with Department of Environmental Protection (DEP) and our engineering consultants from Earth Tech, Inc., to address construction and financing details in order to meet the contractual borrowing requirements under the State Revolving Fund 2% loan program. Once the final bids for the subs and a general contractor were advertised and opened, the final costs were available for the District meeting on April 29. Thanks to the support of the District voters, an article authorizing the borrowing and appropriation of \$9.5 million for the construction of this project got us underway with work beginning in early May.

What is unique about this project is the level of work the District took upon itself. The project was split into two major components. One focused on the construction of the two treatment plants by a general contractor. This work was awarded to Kinsmen Corporation of Hooksett, NH as the lowest responsible bidder at a bid price of \$5,933,000. The second major component would be self-performed by the District and include the installation of the raw and treated water main necessary to connect the treatment plants to the distribution system, preparation of the plant sites and construction of the backwash lagoons. In order to do this self-performing work, the District needed to gain final approval from DEP. Initially, DEP officials had considerable reservation concerning the District's ability to accomplish the work in the time frame necessary. In other words, they were afraid that when the treatment plants were ready to go online, there would be no water to or from the plants. After a couple of meetings where the District provide supporting documentation for our trained and licensed staff, scope of experience in construction projects and availability of our own equipment, the State gave us the green light.

The District took on the installation of approximately 25,000' of 8", 12" and 16" raw and finish water mains. To install the mains the site preparation work included clearing nearly 10,000' of roads across District property or acquired easements in order to connect all ten wells with the new plants. Further District work included the upgrading of nine well pumps and installing nine variable frequency drive units in order to push the water through the new filter system. We also installed upgraded corrosion control equipment in our current stations where all of the pretreatment for the new plants will occur. Our radio communications and supervisory control and data acquisition (SCADA) systems linking the new plants to our existing control system would be built by our personnel. Site work at the plant construction sites would have our crews clearing nearly eight acres, constructing four lined settling lagoons and two infiltration lagoons which will have a combined holding capacity of 1.08 million gallons of water. Our self-performing work will also include the installation of two relief valve vaults, fencing, loaming, seeding, some paving and restoration of driveways.

While all of this new work was going on the District still maintained all of its normal operations and customer service work such as the installation of new and replacement water service lines and repairing water main breaks. At year-end the foundations were done, the filter vessels were installed and one steel building was nearly complete. The progress of the project as we begin 2009 is close to being on-schedule and is on-budget with start-up testing anticipated in June.

On behalf of the staff and management, I wish to express our thanks to the Board of Water Commissioners for their confidence in our professional skills and abilities to not only continue to do what we do on a day-to-day basis but, their willingness to let us undertake this special project on behalf of the rate payers of the District. We will continue to seek out and initiate innovative and unique opportunities to improve the water quality and services we provide to our customers. Our thanks to the voters for their continued support in approving our annual operating and capital budgets.

Respectfully submitted,

David Larkowski

## ***Pumping Equipment Operations 2008***

	<i><b># of days</b></i>		<i><b># of days</b></i>
Main Station – Old Bass River Road 5 submersible electric pumps with a total capacity of 700 gpm pump	215	Sub-Station 15 – Baker’s Pond Road 75 hp electric motor w/700 gpm pump 7.0 liter lp gas engine w/right angle drive	185 8 hrs
Sub-Station 1 – Old Chatham Road 40 hp electric motor w/350 gpm pump	199	Sub-Station 16 – Timber Lane 40 hp electric motor w/ 450 gpm pump	169
Sub-Station 2 – Old Chatham Road 20 hp electric motor w/200 gpm pump	199	Sub-Station 18 – Hokum Rock Road 75 hp electric motor w/ 700 gpm pump 7.0 liter lp gas engine w/right angle drive	209
Sub-Station 3 – Old Chatham Road 20 hp electric motor w/250 gpm pump	198	Sub-Station 19 – Setucket Road 75 hp electric motor w/700 gpm pump 4.9 liter lp gas engine w/right angle drive	205 8 hrs
Sub-Station 4 – Old Bass River Road 30 hp electric motor w/350 gpm pump 60 hp lp gas engine w/right angle drive	69 8 hrs	Sub-Station 20 – Setucket Road 75 hp electric motor w/700 gpm pump	209
Sub-Station 5 – Route 134 30 hp electric motor w/450 gpm pump 60 hp lp gas engine w/right angle drive	150 10 hrs	Sub-Station 21 – Route 134 75 hp electric motor w/700 gpm pump	88
Sub-Station 6 – Old Bass River Road 30 hp electric motor w/150 gpm pump 60 hp lp gas engine w/right angle drive	93 3 hrs	Sub-Station 22– Route 134 75 hp electric motor w/700 gpm pump	147
Sub-Station 7 – Airline Road 40 hp electric motor w/450 gpm pump 60 hp lp gas engine w/right angle drive	162 10 hrs	Sub-Station 23– Old Chatham Road 75 hp electric motor w/700 gpm pump	81
Sub-Station 8 – Airline Road 40 hp electric motor w/350 gpm pump 60 hp lp gas engine w/right angle drive	164 8 hrs	Booster Station – Route 134 2 – 345 hp caterpillar diesel engines w/3,500 gpm pump on each motor (manual)	6 hrs
Sub-Station 9 – Grassy Pond Drive 75 hp electric motor w/650 gpm pump 150 hp lp gas engine w/right angle drive	207 10hrs		
Sub-Station 10 – Airline Road 75 hp electric motor w/700 gpm pump 150 hp lp gas engine w/right angle drive	164 8 hrs		
Sub-Station 11 – Old Bass River Road 60 hp electric motor w/500 gpm pump	128		
Sub-Station 12 – Old Chatham Road 75 hp electric motor w/700 gpm pump	177		
Sub-Station 13 – Center Street Decommissioned December 1999			
Sub-Station 14 – Baker’s Pond Road 60 hp electric motor w/ 450 gpm pump	173		



## VEHICLE & EQUIPMENT OPERATIONS 2008

<b>Truck #</b>		<b>Miles</b>
2	2000 GMC ¾-ton pickup (traded)	3,228
2	2008 Ford Expedition	9,508
4	2003 Chevrolet ¾-ton pickup	12,580
6	2003 Chevrolet ¾-ton pickup	8,990
8	2000 Chevrolet ½-ton pickup	3,789
10	2002 Chevrolet ½-ton pickup	9,527
12	1998 Chevrolet ½-ton pickup	5,418
14	2002 Chevrolet ½-ton pickup (traded)	1,369
14	2008 Ford F-150 ½-ton pickup	6,749
16	2003 GMC cargo van	9,680
18	2008 Chevrolet ½-ton pickup	2,392
20	2001 Chevrolet dump truck	2,402
22	1999 GMC dump truck	2,278
24	2001 Chevrolet ½-ton pickup (traded)	3,272
24	2008 Chevrolet 2500 Utility Truck	6,979
26	2001 Chevrolet ½-ton pickup	11,550
28	2008 Ford F-350 utility truck	6,403
30	2002 Chevrolet cargo van	8,254
32	2000 Chevrolet 1-ton service truck	4,191
<b><i>TOTAL MILEAGE</i></b>		<b><i>128,559</i></b>

	<b>Equipment</b>	<b>Hours</b>
1993	Gravely (estimated)	55
1993	Sullivan Air Compressor	55
2000	Ingersol Rand Air Compressor	42
2000	Kobelco Excavator	485
2001	John Deere Backhoe Loader	127
2003	John Deere Backhoe Loader	277
2005	John Deere Backhoe Loader	316
2005	John Deere Mini-excavator	255
2005	Gravely	18

## ***CUSTOMER TRANSACTIONS – FY 2008***

Meter Replacements	673
Seasonal Meter Removal/Re-install	3716
Final Readings	321
Backflow Prevention Device Tests	152
Demand Letters Processed	335
Demand Shut-Off Processed	83
Frozen Meters	34
Meter Tampering	0
Service Calls/Repairs	490
Fire Sprinkler Standby	94
Renewal and Relocation of Water Services	27
Curbside Repairs	25
Payments Processed	30,383

## ***NEW SERVICES FY 2008***

Dennis	8
East Dennis	4
Dennisport	5
West Dennis	2
South Dennis	8
<b><i>TOTAL</i></b>	<b><i>24</i></b>

## ***WATER PUMPED IN 2008 In Gallons***

January	34,970,300
February	31,262,800
March	37,536,700
April	47,647,800
May	81,158,100
June	147,232,800
July	195,462,900
August	166,171,600
September	103,500,600
October	51,633,300
November	39,868,400
December	37,256,100
<b><i>Total</i></b>	<b><i>973,701,400</i></b>

**MAIN LINE GATES & HYDRANTS**  
**as of December 31, 2008**

Year	20"	16"	12"	10"	8"	6"	2"	Total	Hydrants
All Previous	14	10	194	140	568	2405	201	3532	1504
1999				2	6	14	-1	21	12
2000					8	16		24	11
2001					3	15	-16	2	11
2002					7	25	-15	17	7
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
Totals	14	20	207	144	619	2560	163	3727	1599

**WATER MAINS**  
**as of December 31, 2008**

Year	24"	16"	12"	10"	8"	6"	4"	2"	Total
Previous	15,998	10,978	137,233	90,946	409,867	449,283	359	74,357	1,189,021
1999				314	1,372	3,127		-860	3,953
2000					1,944	3,514		-2,891	2,567
2001					980	3,519		-3,707	792
2002					1,914	5,997		-3,890	4,021
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
	15,998	15,882	149,280	91,894	430,352	475,969	373	60,330	1,240,078

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

## ***PRODUCTION DEMAND STATISTICS***

### ***Calendar Year 2008***

Largest Day	July 11	8,681,600
Smallest Day	January 9	698,200
2 <sup>nd</sup> Largest Day	July 17	8,315,600
2 <sup>nd</sup> Smallest Day	January 8	745,600
Largest Week	July 13—July 19	48,261,700
Smallest Week	January 6 — January 12	7,641,900
2 <sup>nd</sup> Largest Week	July 6 — July 12	47,880,500
2 <sup>nd</sup> Smallest Week	January 13—January 19	7,898,200
Largest Month	July	195,462,900
Smallest Month	February	31,262,800
2 <sup>nd</sup> Largest Month	August	166,171,600
2 <sup>nd</sup> Smallest Month	January	34,970,300

## ***SYSTEM STATISTICS***

### ***Calendar Year 2008***

Pumping Capacity of Main Station and 22 Sub Stations	11,600 Gallons Per Minute
Chemical Feed Pumping Stations	13
Storage Capacity of Three Standpipes and One Elevated Tank	10,550,000 Gallons
Maximum Permitted Withdrawal from all wells Per Year	1.189 Billion Gallons

## ***LAND OWNED BY DISTRICT (acres)***

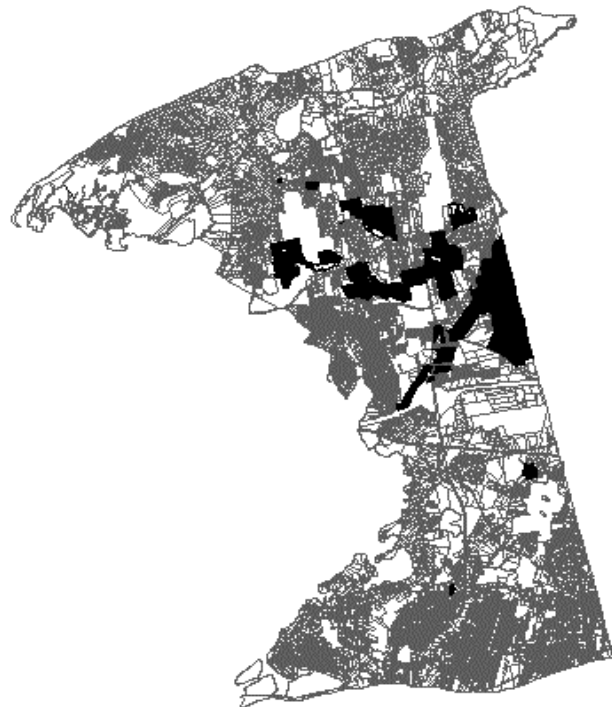
***Land Owned as of 12/31/07   998.28***

***Art. 11, ADM 04/29/08       .13***

***Total Land Owned:           998.41***

***Total Watershed Conservation***

***Restrictions Held:           63.23***



# **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.

## ***ACCOUNT CHARGE***

Formerly known as the *Minimum Charge*, which provided an "allowance" of 15,000 gallons for each six-month 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 - 6/30/07 - Account Charge \$25 - no allowance

## ***CONSUMPTION***

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

7/1/92 - 6/30/94 - \$1.50 - no allowance

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 - 06/30/08 - First 50,000 gallons - \$2.00

Next 50,000 gallons - \$2.50

101,000 gallons and up - \$3.00

## ***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 - 6/30/07 - \$0.0090 per thousand gallons

***LAND ACQUISITION 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: For the year 2009 and each year thereafter, the annual meeting shall be held on the fourth Tuesday in April, and the annual election of the officers shall be held on the second Tuesday following the first Monday in May, and that whenever practical, the District election of officers and any other matter which may appear on the official ballot be printed on the Town of Dennis official ballot. (Altered and Amended April 29, 2008)

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 unexpired 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 conservation 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.