



3014 (02-09-04)

ANNUAL REPORT

OF

Name: CITY OF MUSKEGO WATER PUBLIC UTILITY

Principal Office: W182 S8200 RACINE AVE
P.O. BOX 749
MUSKEGO, WI 53150-0749

For the Year Ended: DECEMBER 31, 1998

WATER, ELECTRIC, OR JOINT UTILITY
TO
PUBLIC SERVICE COMMISSION OF WISCONSIN

P.O. Box 7854
Madison, WI 53707-7854
(608) 266-3766

This form is required under Wis. Stat. § 196.07. Failure to file the form by the statutory filing date can result in the imposition of a penalty under Wis. Stat. § 196.66. The penalty which can be imposed by this section of the statutes is a forfeiture of not less than \$25 nor more than \$5,000 for each violation. Each day subsequent to the filing date constitutes a separate and distinct violation. The filed form is available to the public and personally identifiable information may be used for purposes other than those related to public utility regulation.

TABLE OF CONTENTS

Schedule Name	Page
General Rules for Reporting	i
Signature Page	ii
Table of Contents	iii
Identification and Ownership	iv
FINANCIAL SECTION	
Income Statement	F-01
Income Statement Account Details	F-02
Income from Merchandising, Jobbing & Contract Work (Accts. 415-416)	F-03
Revenues Subject to Wisconsin Remainder Assessment	F-04
Distribution of Total Payroll	F-05
Balance Sheet	F-06
Net Utility Plant	F-07
Accumulated Provision for Depreciation and Amortization of Utility Plant	F-08
Net Nonutility Property (Accts. 121 & 122)	F-09
Accumulated Provision for Uncollectible Accounts-Cr. (Acct. 144)	F-10
Materials and Supplies	F-11
Unamortized Debt Discount & Expense & Premium on Debt (Accts. 181 and 251)	F-12
Capital Paid in by Municipality (Acct. 200)	F-13
Bonds (Acct. 221)	F-14
Notes Payable & Miscellaneous Long-Term Debt	F-15
Taxes Accrued (Acct. 236)	F-16
Interest Accrued (Acct. 237)	F-17
Contributions in Aid of Construction (Account 271)	F-18
Balance Sheet End-of-Year Account Balances	F-19
Return on Rate Base Computation	F-20
Return on Proprietary Capital Computation	F-21
Important Changes During the Year	F-22
Financial Section Footnotes	F-23
WATER OPERATING SECTION	
Water Operating Revenues & Expenses	W-01
Water Operating Revenues - Sales of Water	W-02
Sales for Resale (Acct. 466)	W-03
Other Operating Revenues (Water)	W-04
Water Operation & Maintenance Expenses	W-05
Taxes (Acct. 408 - Water)	W-06
Property Tax Equivalent (Water)	W-07
Water Utility Plant in Service	W-08
Source of Supply, Pumping and Purchased Water Statistics	W-10
Sources of Water Supply - Ground Waters	W-11
Sources of Water Supply - Surface Waters	W-12
Pumping & Power Equipment	W-13
Reservoirs, Standpipes & Water Treatment	W-14
Water Mains	W-15
Water Services	W-16
Meters	W-17
Hydrants and Distribution System Valves	W-18
Water Operating Section Footnotes	W-19

IDENTIFICATION AND OWNERSHIP

Exact Utility Name: CITY OF MUSKEGO WATER PUBLIC UTILITY

Utility Address: W182 S8200 RACINE AVE
P.O. BOX 749
MUSKEGO, WI 53150-0749

When was utility organized? 9/17/1985

Report any change in name:

Effective Date:

Utility Web Site:

Utility employee in charge of correspondence concerning this report:

Name: MS DAWN R GUNDERSON

Title: FINANCE DIRECTOR

Office Address:

W182S8200 RACINE AVE
P.O. BOX 749
MUSKEGO, WI 53150

Telephone: (414) 679 - 5610

Fax Number: (414) 679 - 4106

E-mail Address:

Individual or firm, if other than utility employee, preparing this report:

Name: NONE

Title:

Office Address:

Telephone:

Fax Number:

E-mail Address:

Are records of utility audited by individuals or firms, other than utility employee? YES

Individual or firm, if other than utility employee, auditing utility records:

Name: MR DONALD N VILIONE CPA

Title: PARTNER

Office Address: VIRCHOW, KRAUSE & COMPANY LLP

20800 SWENSON DR
P.O. BOX 867
WAUKESHA, WI 53187-0867

Telephone: (414) 798 - 8977

Fax Number: (414) 798 - 8900

E-mail Address: dvilione@virchowkrause.com

Date of most recent audit report: 2/17/1999

Period covered by most recent audit: 1998

IDENTIFICATION AND OWNERSHIP

Names and titles of utility management including manager or superintendent:

Name: NONE

Title:

Office Address:

Telephone:

Fax Number:

E-mail Address:

Name of utility commission/committee: PUBLIC UTILITIES COMMITTEE

Names of members of utility commission/committee:

MR DAVID J SANDERS, CHAIRMAN

MR MARK A SLOCUMB, COMMITTEE MEMBER

MRS DONNA M WOODARD, COMMITTEE MEMBER

Is sewer service rendered by the utility? NO

If "yes," has the municipality, by ordinance, combined the water and sewer service into a single public utility, as provided by Wis. Stat. § 66.077 of the Wisconsin Statutes? NO

Date of Ordinance: [REDACTED]

Are any of the utility administrative or operational functions under contract or agreement with an outside provider for the year covered by this annual report and/or current year (i.e., operation of water or sewer treatment plant)? NO

Provide the following information regarding the provider(s) of contract services:

Firm Name:

Contact Person:

Title:

Telephone:

Fax Number:

E-mail Address:

Contract/Agreement beginning-ending dates:

Provide a brief description of the nature of Contract Operations being provided:

INCOME STATEMENT

Particulars (a)	This Year (b)	Last Year (c)	
UTILITY OPERATING INCOME			
Operating Revenues (400)	840,654	775,236	1
Operating Expenses:			
Operation and Maintenance Expense (401-402)	296,193	258,850	2
Depreciation Expense (403)	215,900	188,665	3
Amortization Expense (404-407)	0	0	4
Taxes (408)	214,979	206,623	5
Total Operating Expenses	727,072	654,138	
Net Operating Income	113,582	121,098	
Income from Utility Plant Leased to Others (412-413)	0	0	6
Utility Operating Income	113,582	121,098	
OTHER INCOME			
Income from Merchandising, Jobbing and Contract Work (415-416)	0	0	7
Income from Nonutility Operations (417)	0	0	8
Nonoperating Rental Income (418)	0	0	9
Interest and Dividend Income (419)	139,109	147,358	10
Miscellaneous Nonoperating Income (421)	0	0	11
Total Other Income	139,109	147,358	
Total Income	252,691	268,456	
MISCELLANEOUS INCOME DEDUCTIONS			
Miscellaneous Amortization (425)	0	0	12
Other Income Deductions (426)	0	0	13
Total Miscellaneous Income Deductions	0	0	
Income Before Interest Charges	252,691	268,456	
INTEREST CHARGES			
Interest on Long-Term Debt (427)	0	0	14
Amortization of Debt Discount and Expense (428)	9,965	10,181	15
Amortization of Premium on Debt--Cr. (429)	0	0	16
Interest on Debt to Municipality (430)	309,925	304,263	17
Other Interest Expense (431)	0	0	18
Interest Charged to Construction--Cr. (432)	0	0	19
Total Interest Charges	319,890	314,444	
Net Income	(67,199)	(45,988)	
EARNED SURPLUS			
Unappropriated Earned Surplus (Beginning of Year) (216)	(1,316,788)	(1,270,800)	20
Balance Transferred from Income (433)	(67,199)	(45,988)	21
Miscellaneous Credits to Surplus (434)	0	0	22
Miscellaneous Debits to Surplus--Debit (435)	0	0	23
Appropriations of Surplus--Debit (436)	0	0	24
Appropriations of Income to Municipal Funds--Debit (439)	0	0	25
Total Unappropriated Earned Surplus End of Year (216)	(1,383,987)	(1,316,788)	

INCOME STATEMENT ACCOUNT DETAILS

1. Report each item (when individually or when like items are combined) greater than \$10,000 (class AB), \$5,000 (class C) and \$2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.
 2. Nonregulated sewer income should be reported as Income from Nonutility Operations, Account 417.

Description of Item (a)	Amount (b)	
Revenues from Utility Plant Leased to Others (412):		
NONE	0	1
Total (Acct. 412):	0	
Expenses of Utility Plant Leased to Others (413):		
NONE	0	2
Total (Acct. 413):	0	
Income from Nonutility Operations (417):		
NONE	0	3
Total (Acct. 417):	0	
Nonoperating Rental Income (418):		
NONE	0	4
Total (Acct. 418):	0	
Interest and Dividend Income (419):		
INTEREST ON INVESTMENTS	107,852	5
INTEREST ON SPECIAL ASSESSMENTS	31,257	6
Total (Acct. 419):	139,109	
Miscellaneous Nonoperating Income (421):		
NONE		7
Total (Acct. 421):	0	
Miscellaneous Amortization (425):		
NONE		8
Total (Acct. 425):	0	
Other Income Deductions (426):		
NONE		9
Total (Acct. 426):	0	
Miscellaneous Credits to Surplus (434):		
NONE		10
Total (Acct. 434):	0	
Miscellaneous Debits to Surplus (435):		
NONE		11
Total (Acct. 435)--Debit:	0	
Appropriations of Surplus (436):		
Detail appropriations to (from) account 215		12
Total (Acct. 436)--Debit:	0	
Appropriations of Income to Municipal Funds (439):		
NONE		13
Total (Acct. 439)--Debit:	0	

INCOME FROM MERCHANDISING, JOBBING & CONTRACT WORK (ACCTS. 415-416)

Particulars (a)	Water (b)	Electric (c)	Sewer (d)	Gas (e)	Total (f)	
Revenues (account 415)					0	1
Costs & Expenses of Merchandising, Jobbing and Contract Work (416):						
Cost of merchandise sold					0	2
Payroll					0	3
Materials					0	4
Taxes					0	5
Other (list by major classes):						
NONE					0	6
Total costs and expenses	0	0	0	0	0	
Net income (or loss)	0	0	0	0	0	

REVENUES SUBJECT TO WISCONSIN REMAINDER ASSESSMENT

1. Report data necessary to calculate revenue subject to Wisconsin remainder assessment pursuant to Wis. Stat. § 196.85(2) and Wis. Admin. Code Ch. PSC 5.
2. If the sewer department is not regulated by the PSC, do not report sewer department data in column (d).

Description (a)	Water Utility (b)	Electric Utility (c)	Sewer Utility (Regulated Only) (d)	Gas Utility (e)	Total (f)	
Total operating revenues	840,654	0	0	0	840,654	1
Less: interdepartmental sales	0		0	0	0	2
Less: interdepartmental rents	3,497	0		0	3,497	3
Less: return on net investment in meters charged to regulated sewer department. (Do not report if nonregulated sewer.)	0				0	4
Less: uncollectibles directly expensed as reported in water acct. 904 (690 class D), sewer acct. 843, and electric acct. 904 (590 class D) -or- Net write-offs when Accumulated Provision for Uncollectible Accounts (acct. 144) is maintained					0	5
Other Increases or (Decreases) to Operating Revenues - Specify:						
NONE					0	6
Revenues subject to Wisconsin Remainder Assessment	837,157	0	0	0	837,157	

DISTRIBUTION OF TOTAL PAYROLL

1. Amount originally charged to clearing accounts as shown in column (b) should be shown as finally distributed in column (c).
2. The amount for clearing accounts in column (c) is entered as a negative for account "Clearing Accounts" and the distributions to accounts on all other lines in column (c) will be positive with the total of column (c) being zero.
3. Provide additional information in the schedule footnotes when necessary.

Accounts Charged (a)	Direct Payroll Distribution (b)	Allocation of Amounts Charged Clearing Accts. (c)	Total (d)	
Water operating expenses	125,042		125,042	1
Electric operating expenses			0	2
Gas operating expenses			0	3
Heating operating expenses			0	4
Sewer operating expenses			0	5
Merchandising and jobbing			0	6
Other nonutility expenses			0	7
Water utility plant accounts	3,887		3,887	8
Electric utility plant accounts			0	9
Gas utility plant accounts			0	10
Heating utility plant accounts			0	11
Sewer utility plant accounts			0	12
Accum. prov. for depreciation of water plant			0	13
Accum. prov. for depreciation of electric plant			0	14
Accum. prov. for depreciation of gas plant			0	15
Accum. prov. for depreciation of heating plant			0	16
Accum. prov. for depreciation of sewer plant			0	17
Clearing accounts			0	18
All other accounts			0	19
Total Payroll	128,929	0	128,929	

BALANCE SHEET

Assets and Other Debits (a)	Balance End of Year (b)	Balance First of Year (c)	
UTILITY PLANT			
Utility Plant (100)	12,331,841	11,785,138	1
Less: Accumulated Provision for Depreciation and Amortization of Utility Plant (110)	1,348,499	1,175,312	2
Net Utility Plant	10,983,342	10,609,826	
OTHER PROPERTY AND INVESTMENTS			
Nonutility Property (121)	0	0	3
Less: Accumulated Provision for Depreciation and Amortization of Nonutility Property (122)	0	0	4
Net Nonutility Property	0	0	
Investment in Municipality (123)	0	0	5
Other Investments (124)	471,775	484,423	6
Special Funds (125)	1,416,870	1,380,765	7
Total Other Property and Investments	1,888,645	1,865,188	
CURRENT AND ACCRUED ASSETS			
Cash and Working Funds (131)	608,431	472,985	8
Temporary Cash Investments (132)	0	0	9
Notes Receivable (141)	0	0	10
Customer Accounts Receivable (142)	147,216	144,056	11
Other Accounts Receivable (143)	0	0	12
Accumulated Provision for Uncollectible Accounts- -Cr. (144)	0	0	13
Receivables from Municipality (145)	27,638	17,562	14
Materials and Supplies (150)	0	0	15
Prepayments (165)	0	0	16
Other Current and Accrued Assets (170)	0	2,181	17
Total Current and Accrued Assets	783,285	636,784	
DEFERRED DEBITS			
Unamortized Debt Discount and Expense (181)	63,385	67,250	18
Extraordinary Property Losses (182)	0	0	19
Other Deferred Debits (183)	63,604	7,492	20
Total Deferred Debits	126,989	74,742	
Total Assets and Other Debits	13,782,261	13,186,540	

BALANCE SHEET

Liabilities and Other Credits (a)	Balance End of Year (b)	Balance First of Year (c)	
PROPRIETARY CAPITAL			
Capital Paid in by Municipality (200)	521,628	521,628	21
Appropriated Earned Surplus (215)	0		22
Unappropriated Earned Surplus (216)	(1,383,987)	(1,316,788)	23
Total Proprietary Capital	(862,359)	(795,160)	
LONG-TERM DEBT			
Bonds (221)	0		24
Advances from Municipality (223)	5,302,578	5,019,377	25
Other Long-Term Debt (224)	0	0	26
Total Long-Term Debt	5,302,578	5,019,377	
CURRENT AND ACCRUED LIABILITIES			
Notes Payable (231)	0	0	27
Accounts Payable (232)	19,991	118,978	28
Payables to Municipality (233)	26,166	28,641	29
Customer Deposits (235)	0		30
Taxes Accrued (236)	0	0	31
Interest Accrued (237)	42,646	41,279	32
Other Current and Accrued Liabilities (238)	30,753	27,635	33
Total Current and Accrued Liabilities	119,556	216,533	
DEFERRED CREDITS			
Unamortized Premium on Debt (251)	0	0	34
Customer Advances for Construction (252)	0		35
Other Deferred Credits (253)	276,395	286,576	36
Total Deferred Credits	276,395	286,576	
OPERATING RESERVES			
Property Insurance Reserve (261)	0		37
Injuries and Damages Reserve (262)	0		38
Pensions and Benefits Reserve (263)	0		39
Miscellaneous Operating Reserves (265)	0		40
Total Operating Reserves	0	0	
CONTRIBUTIONS IN AID OF CONSTRUCTION			
Contributions in Aid of Construction (271)	8,946,091	8,459,214	41
Total Liabilities and Other Credits	13,782,261	13,186,540	

NET UTILITY PLANT

Report utility plant accounts and related accumulated provisions for depreciation and amortization after allocation of common plant accounts and related provisions for depreciation and amortization to utility departments as of December 31.

Particulars (a)	Water (b)	Sewer (c)	Gas (d)	Electric (e)	
Plant Accounts:					
Utility Plant in Service (101)	12,331,841	0	0	0	1
Utility Plant Purchased or Sold (102)					2
Utility Plant in Process of Reclassification (103)					3
Utility Plant Leased to Others (104)					4
Property Held for Future Use (105)					5
Completed Construction not Classified (106)					6
Construction Work in Progress (107)	0				7
Utility Plant Acquisition Adjustments (108)					8
Other Utility Plant Adjustments (109)					9
Total Utility Plant	12,331,841	0	0	0	
Accumulated Provision for Depreciation and Amortization:					
Accumulated Provision for Depreciation of Utility Plant in Service (110)	1,348,499	0	0	0	10
Total Accumulated Provision	1,348,499	0	0	0	
Net Utility Plant	10,983,342	0	0	0	

ACCUMULATED PROVISION FOR DEPRECIATION AND AMORTIZATION OF UTILITY PLANT

Depreciation Accruals (Credits) during the year:

1. Report the amounts charged in the operating sections to Depreciation Expense (403).
2. If sewer operations are nonregulated, do not report sewer depreciation on this schedule.
3. Report the Depreciation Expense on Meters charged to sewer operations as an addition in the Water column.
If the sewer is also a regulated utility by the PSC, report an equal amount as a reduction in the Sewer column.
4. Report all other accruals charged to other accounts, such as to clearing accounts.

Particulars (a)	Water (b)	(c)	(d)	(e)	Total (f)	
Balance first of year	1,175,312				1,175,312	1
Credits During Year						2
Accruals:						3
Charged depreciation expense (403)	215,900				215,900	4
Depreciation expense on meters						5
charged to sewer (see Note 3)					0	6
Accruals charged other						7
accounts (specify):						8
					0	9
Salvage					0	10
Other credits (specify):						11
					0	12
Total credits	215,900	0	0	0	215,900	13
Debits during year						14
Book cost of plant retired	42,713				42,713	15
Cost of removal					0	16
Other debits (specify):						17
					0	18
Total debits	42,713	0	0	0	42,713	19
Balance End of Year	1,348,499	0	0	0	1,348,499	20
Composite Depreciation Rate?	No					21
If yes, what is the rate?						22

NET NONUTILITY PROPERTY (ACCTS. 121 & 122)

1. Report separately each item of property with a book cost of \$5,000 or more included in account 121.
2. Other items may be grouped by classes of property.
3. Describe in detail any investment in sewer department carried in this account.

Description (a)	Balance First of Year (b)	Additions During Year (c)	Deductions During Year (d)	Balance End of Year (e)	
Nonregulated sewer plant	0			0	1
Other (specify):					
NONE	0			0	2
Total Nonutility Property (121)	0	0	0	0	
Less accum. prov. depr. & amort. (122)	0			0	3
Net Nonutility Property	0	0	0	0	

ACCUMULATED PROVISION FOR UNCOLLECTIBLE ACCOUNTS-CR. (ACCT. 144)

Particulars (a)	Amount (b)
Balance first of year	0 1
Additions:	
Provision for uncollectibles during year	2
Collection of accounts previously written off: Utility Customers	3
Collection of accounts previously written off: Others	4
Total Additions	<u>0</u>
Deductions:	
Accounts written off during the year: Utility Customers	5
Accounts written off during the year: Others	6
Total accounts written off	<u>0</u>
Balance end of year	<u><u>0</u></u>

MATERIALS AND SUPPLIES

Account (a)	Generation (b)	Transmission (c)	Distribution (d)	Other (e)	Total End of Year (f)	Amount Prior Year (g)
Electric Utility						
Fuel for generation					0	0 1
Other					0	0 2
Total Electric Utility					0	0

Account	Total End of Year	Amount Prior Year
Electric utility total	0	0 1
Water utility		0 2
Sewer utility		0 3
Gas utility		0 4
Merchandise		0 5
Other materials & supplies		0 6
Total Materials and Supplies	0	0

**UNAMORTIZED DEBT DISCOUNT & EXPENSE & PREMIUM ON DEBT
(ACCTS. 181 AND 251)**

Report net discount and expense or premium separately for each security issue.

Debt Issue to Which Related (a)	Written Off During Year		Balance End of Year (d)	
	Amount (b)	Account Charged or Credited (c)		
Unamortized debt discount & expense (181)				
1985-1991B	4,905	428	36,655	1
1992E	449	428	898	2
1993D	1,400	428	6,285	3
1995C	2,455	428	10,230	4
1996A	756	428	3,217	5
1998	0	428	6,100	6
Total			63,385	
Unamortized premium on debt (251)				
NONE	0	0	0	7
Total			0	

CAPITAL PAID IN BY MUNICIPALITY (ACCT. 200)

Report each item (when individually or when like items are combined) greater than \$10,000 (class AB), \$5,000 (class C) and \$2,000 (class D, sewer and privates) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.

Particulars (a)	Amount (b)	
Balance first of year	521,628	1
Changes during year (explain):		
NONE		2
Balance end of year	<u><u>521,628</u></u>	

BONDS (ACCT. 221)

- 1. Report hereunder information required for each separate issue of bonds.
- 2. If there is more than one interest rate for an aggregate obligation issue, average the interest rates and report one rate.
- 3. Proceeds advanced by the municipality from sale of general obligation bonds, if repayable by utility, should be included in account 223.

Description of Issue (a)	Date of Issue (b)	Final Maturity Date (c)	Interest Rate (d)	Principal Amount End of Year (e)
-------------------------------------	------------------------------	------------------------------------	------------------------------	---

NONE

NOTES PAYABLE & MISCELLANEOUS LONG-TERM DEBT

1. Report each class of debt included in Accounts 223, 224 and 231.
2. Proceeds of general obligation issues, if subject to repayment by the utility, should be included in Account 223.
3. If there is more than one interest rate for an aggregate obligation issue, average the interest rates and report one rate.

Account and Description of Obligation (a and b)	Date of Issue (c)	Final Maturity Date (d)	Interest Rate (e)	Principal Amount End of Year (f)	
Advances (223)					
1992	03/01/1992	09/01/2000	4.00%	27,559	1
1993	05/05/1994	05/01/2003	5.10%	700,000	2
1995	03/01/1995	03/01/2003	5.40%	800,000	3
1996	03/01/1996	03/01/2003	4.25%	224,000	4
1998	02/01/1998	06/01/2007	4.25%	445,000	5
1985-1991	12/31/1991	12/31/2011	6.20%	3,106,019	6
Total for Account 223				5,302,578	

TAXES ACCRUED (ACCT. 236)

Particulars (a)	Amount (b)	
Balance first of year	0	1
Accruals:		
Charged water department expense	214,979	2
Charged electric department expense		3
Charged sewer department expense		4
Other (explain):		
NONE		5
Total Accruals and other credits	<u>214,979</u>	
Taxes paid during year:		
County, state and local taxes	201,707	6
Social Security taxes	12,270	7
PSC Remainder Assessment	1,002	8
Other (explain):		
NONE		9
Total payments and other debits	<u>214,979</u>	
Balance end of year	<u><u>0</u></u>	

INTEREST ACCRUED (ACCT. 237)

1. Report below interest accrued on each utility obligation.
 2. Report Customer Deposits under Account 231.

Description of Issue (a)	Interest Accrued Balance First of Year (b)	Interest Accrued During Year (c)	Interest Paid During Year (d)	Interest Accrued Balance End of Year (e)	
Bonds (221)					
NONE	0			0	1
Subtotal	0	0	0	0	
Advances from Municipality (223)					
1985-1991 NOTES	10,943	203,648	203,648	10,943	2
1992 NOTES	676	1,863	2,030	509	3
1993 NOTES	11,900	35,700	35,700	11,900	4
1995 NOTES	14,400	43,200	43,200	14,400	5
1996 NOTES	3,360	10,080	10,080	3,360	6
1998 NOTES		1,534		1,534	7
1998-1 NOTES		13,900	13,900	0	8
Subtotal	41,279	309,925	308,558	42,646	
Other Long-Term Debt (224)					
NONE	0			0	9
Subtotal	0	0	0	0	
Notes Payable (231)					
NONE	0			0	10
Subtotal	0	0	0	0	
Total	41,279	309,925	308,558	42,646	

CONTRIBUTIONS IN AID OF CONSTRUCTION (ACCOUNT 271)

Particulars (a)	Water (b)	Electric		Sewer (e)	Gas (f)	Total (g)	
		Distribution (c)	Other (d)				
Balance First of Year	8,459,214	0	0	0	0	8,459,214	1
Add credits during year:							
For Services	328,751					328,751	2
For Mains	158,126					158,126	3
Other (specify):							
NONE						0	4
Deduct charges (specify):							
NONE						0	5
Balance End of Year	8,946,091	0	0	0	0	8,946,091	
Amount of federal and state grants in aid received for utility construction included in End of Year totals						0	6

BALANCE SHEET END-OF-YEAR ACCOUNT BALANCES

Report each item (when individually or when like items are combined) greater than \$10,000 (class AB), \$5,000 (class C) and \$2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.

Particulars (a)	Balance End of Year (b)	
Investment in Municipality (123):		
none	0	1
Total (Acct. 123):	0	
Other Investments (124):		
same	471,775	2
Total (Acct. 124):	471,775	
Special Funds (125):		
none	1,416,870	3
Total (Acct. 125):	1,416,870	
Notes Receivable (141):		
NONE		4
Total (Acct. 141):	0	
Customer Accounts Receivable (142):		
Water	147,216	5
Electric		6
Sewer (Regulated)		7
Other (specify):		
none		8
Total (Acct. 142):	147,216	
Other Accounts Receivable (143):		
Sewer (Non-regulated)		9
Merchandising, jobbing and contract work		10
Other (specify):		
none		11
Total (Acct. 143):	0	
Receivables from Municipality (145):		
tax roll	24,676	12
DUE FROM GENERAL FUND	2,962	13
Total (Acct. 145):	27,638	
Prepayments (165):		
none		14
Total (Acct. 165):	0	
Extraordinary Property Losses (182):		
none		15
Total (Acct. 182):	0	

BALANCE SHEET END-OF-YEAR ACCOUNT BALANCES

Report each item (when individually or when like items are combined) greater than \$10,000 (class AB), \$5,000 (class C) and \$2,000 (class D) and all other lesser amounts grouped as Miscellaneous. Describe fully using other than account titles.

Particulars (a)	Balance End of Year (b)	
Other Deferred Debits (183):		
unamortized maint cost	63,604	16
Total (Acct. 183):	63,604	
Payables to Municipality (233):		
due city	26,166	17
Total (Acct. 233):	26,166	
Other Deferred Credits (253):		
special assmts	276,395	18
Total (Acct. 253):	276,395	

RETURN ON RATE BASE COMPUTATION

1. The data used in calculating rate base are averages.
2. Calculate those averages by summing the first-of-year and the end-of-year figures for each account and then dividing the sum by two.
3. Note: Do not include property held for future use or construction work in progress with utility plant in service. These are not rate base components.

Average Rate Base (a)	Water (b)	Electric (c)	Sewer (d)	Gas (e)	Total (f)	
Add Average:						
Utility Plant in Service	11,546,440	0	0	0	11,546,440	1
Materials and Supplies	0	0	0	0	0	2
Other (specify):						
NONE					0	3
Less Average:						
Reserve for Depreciation	1,261,905	0	0	0	1,261,905	4
Customer Advances for Construction					0	5
Contributions in Aid of Construction	8,702,652	0	0	0	8,702,652	6
Other (specify):						
NONE					0	7
Average Net Rate Base	1,581,883	0	0	0	1,581,883	
Net Operating Income	113,582	0	0	0	113,582	8
Net Operating Income as a percent of Average Net Rate Base						
	7.18%	N/A	N/A	N/A	7.18%	

RETURN ON PROPRIETARY CAPITAL COMPUTATION

1. The data used in calculating proprietary capital are averages.
2. Calculate those averages by summing the first-of-year and end-of-year figures for each account and then dividing by two.

Description (a)	Amount (b)	
Average Proprietary Capital		
Capital Paid in by Municipality	521,628	1
Appropriated Earned Surplus	0	2
Unappropriated Earned Surplus	(1,350,387)	3
Other (Specify):		
NONE		4
Total Average Proprietary Capital	(828,759)	
Net Income		
Net Income	(67,199)	5
Percent Return on Proprietary Capital	N/A	

IMPORTANT CHANGES DURING THE YEAR

Report changes of any of the following types:

1. Acquisitions.

2. Leaseholder changes.

3. Extensions of service.

4. Estimated changes in revenues due to rate changes.

5. Obligations incurred or assumed, excluding commercial paper.

6. Formal proceedings with the Public Service Commission.

7. Any additional matters.

FINANCIAL SECTION FOOTNOTES

Balance Sheet (Page F-06)

Account #131 Cash increased as a result of current year operating income.

account 3223 Advance from Municipality increased by approximately \$283,201 because of a \$425,000 advance for capital projects offset by scheduled debt retirement payments

FINANCIAL SECTION FOOTNOTES

Identification and Ownership (Page iv)

Response received 7/23/99 ele

- Item 1 referred to Bruce Manthey
- Item 2 information provided
- Item 3 explanation was provided in report
- Item 4 informaiton provided

June 25, 1999

Ms. Dawn R. Gunderson, Finance Director
 City of Muskego Water Public Utility
 W182S8200 Racine Avenue
 P.O. Box 749
 Muskego, WI 53150-0749

1998 Analytical Review DWCCA-4005-ELE

Dear Ms. Gunderson:

The Public Service Commission (PSC) is in the process of completing an analytical review of your utility's 1998 annual report. The purposes of an analytical review are to detect possible reporting or accounting related errors and to identify significant fluctuations from established trends in reported data not sufficiently explained in the annual report. It is our hope that our review will supply information that will enable us to better provide guidance to your utility regarding proper utility accounting and the preparation of future annual reports. In order to complete this review, we request the following information:

1. During our review, we noted \$63,604 reported as "unamortized maint cost" in Account 183, Other Deferred Debits, page F-19. Please explain the purpose of this amount and the proposed disposition. We also noted a schedule note to the Water Operation & Maintenance Expenses schedule, page W-05 which indicates that the increase in Account 650 is a result of amortization of the water tower repainting. Please indicate if these two amounts are related and provide a copy of the PSC authorization to amortize the water tower painting.
2. During our review, we noted \$6,545 reported in Account 631, Chemicals, Page W-5, and \$3,627 reported in Account 332, Water Treatment Plant, Page W-9. However, the water treatment statistics are not completed on the Reservoir, Standpipes, and Water Treatment schedule, page W-14. Please provide this information.
3. During our review, we noted that the total Transmission and Distribution Expenses reported on W-1, increased \$26,940 from 1997. Please provide a brief explanation of this increase.
4. During our review, we noted that the Water Services schedule, page W-16, has not been completed in 1997 or 1998. Corresponding water services dollars are reported in Account 345, Services, Water Plant in Service

FINANCIAL SECTION FOOTNOTES

schedule, pages W-8 and W-9. Please provide your services statistics for 1997 and 1998 or explain why this information is not available.

We appreciate your cooperation in providing the above information. These recommendations are intended to provide accounting assistance and should not be construed as criticisms of utility personnel. If you have any questions, please feel free to contact me at (608) 266-3768. Please respond within 30 days of this letter. If we have no questions regarding your response, you can consider the review closed.

Sincerely,

Elaine Engelke
Financial Specialist
Division of Water, Compliance, and Consumer Affairs

ELE:tlk:w:\compl\analytical review letters\june 25 1999 rev letters e 1.doc

cc: Mr. David J. Sanders, Chairman

WATER OPERATING REVENUES & EXPENSES

Particulars (a)	Amounts (b)	
Operating Revenues		
Sales of Water		
Sales of Water (460-467)	808,076	1
Total Sales of Water	808,076	
Other Operating Revenues		
Forfeited Discounts (470)	7,378	2
Miscellaneous Service Revenues (471)	0	3
Rents from Water Property (472)	21,000	4
Interdepartmental Rents (473)	3,497	5
Other Water Revenues (474)	703	6
Amortization of Construction Grants (475)	0	7
Total Other Operating Revenues	32,578	
Total Operating Revenues	840,654	
Operation and Maintenance Expenses		
Source of Supply Expenses (600-605)	2,220	8
Pumping Expenses (620-625)	71,781	9
Water Treatment Expenses (630-635)	11,492	10
Transmission and Distribution Expenses (640-655)	83,615	11
Customer Accounts Expenses (901-904)	29,775	12
Sales Expenses (910)	0	13
Administrative and General Expenses (920-935)	97,310	14
Total Operation and Maintenance Expenses	296,193	
Other Operating Expenses		
Depreciation Expense (403)	215,900	15
Amortization Expense (404-407)	0	16
Taxes (408)	214,979	17
Total Other Operating Expenses	430,879	
Total Operating Expenses	727,072	
NET OPERATING INCOME	113,582	

WATER OPERATING REVENUES - SALES OF WATER

1. Where customer meters record cubic feet, multiply by 7.48 to obtain number of gallons.
2. Report estimated gallons for unmetered sales.
3. Sales to multiple dwelling buildings through a single meter serving 3 or more family units should be classified commercial.
4. Bulk sales should be account 460.

Particulars (a)	Average No. Customers (b)	Thousands of Gallons of Water Sold (c)	Amounts (d)	
Operating Revenues				
Sales of Water				
Unmetered Sales to General Customers (460)				
Residential	6	97	225	1
Commercial	13	248	5,747	2
Industrial				3
Total Unmetered Sales to General Customers (460)	19	345	5,972	
Metered Sales to General Customers (461)				
Residential	1,828	150,434	474,964	4
Commercial	85	36,213	71,567	5
Industrial	30	13,247	27,037	6
Total Metered Sales to General Customers (461)	1,943	199,894	573,568	
Private Fire Protection Service (462)	35		16,642	7
Public Fire Protection Service (463)	1		207,962	8
Other Sales to Public Authorities (464)	9	1,255	3,932	9
Sales to Irrigation Customers (465)				10
Sales for Resale (466)		0	0	11
Interdepartmental Sales (467)				12
Total Sales of Water	2,007	201,494	808,076	

SALES FOR RESALE (ACCT. 466)

Use a separate line for each delivery point.

Customer Name (a)	Point of Delivery (b)	Thousands of Gallons Sold (c)	Revenues (d)
------------------------------	----------------------------------	--	-------------------------

NONE

OTHER OPERATING REVENUES (WATER)

1. Report revenues relating to each account and fully describe each item using other than the account title.
2. Report each item (when individually or when like items are combined) greater than \$10,000 (class AB), \$5,000 (class C) and \$2,000 (class D and privates) and all other lesser amounts grouped as Miscellaneous.
3. For a combined utility which also provides sewer service that is based upon water readings, report the return on net investment in meters charged to sewer department in Other Water Revenues (474).

Particulars (a)	Amount (b)	
Public Fire Protection Service (463):		
Amount billed (usually per rate schedule F-1)	207,962	1
Wholesale fire protection billed		2
Amount billed for fighting fires outside utility's service areas (usually per rate schedule F-2 or BW-1)		3
Other (specify): NONE		4
Total Public Fire Protection Service (463)	207,962	
Forfeited Discounts (470):		
Customer late payment charges	7,378	5
Other (specify): NONE		6
Total Forfeited Discounts (470)	7,378	
Miscellaneous Service Revenues (471):		
NONE		7
Total Miscellaneous Service Revenues (471)	0	
Rents from Water Property (472):		
Lease of Tower	21,000	8
Total Rents from Water Property (472)	21,000	
Interdepartmental Rents (473):		
locates -grover does for city	3,497	9
Total Interdepartmental Rents (473)	3,497	
Other Water Revenues (474):		
Return on net investment in meters charged to sewer department	703	10
Other (specify): NONE		11
Total Other Water Revenues (474)	703	
Amortization of Construction Grants (475):		
NONE		12
Total Amortization of Construction Grants (475)	0	

WATER OPERATION & MAINTENANCE EXPENSES

Each expense account that has an increase or a decrease when compared to the previous year of greater than 25 percent, but not less than \$5,000, shall be fully explained in the schedule footnotes.

Particulars (a)	Amount (b)	
SOURCE OF SUPPLY EXPENSES		
Operation Labor (600)	525	1
Purchased Water (601)	0	2
Operation Supplies and Expenses (602)	0	3
Maintenance of Water Source Plant (605)	1,695	4
Total Source of Supply Expenses	2,220	
 PUMPING EXPENSES		
Operation Labor (620)	28,903	5
Fuel for Power Production (621)		6
Fuel or Power Purchased for Pumping (622)	41,593	7
Operation Supplies and Expenses (623)	601	8
Maintenance of Pumping Plant (625)	684	9
Total Pumping Expenses	71,781	
 WATER TREATMENT EXPENSES		
Operation Labor (630)	4,772	10
Chemicals (631)	6,545	11
Operation Supplies and Expenses (632)		12
Maintenance of Water Treatment Plant (635)	175	13
Total Water Treatment Expenses	11,492	
 TRANSMISSION AND DISTRIBUTION EXPENSES		
Operation Labor (640)	46,791	14
Operation Supplies and Expenses (641)	6,815	15
Maintenance of Distribution Reservoirs and Standpipes (650)	7,870	16
Maintenance of Mains (651)	15,651	17
Maintenance of Services (652)	1,370	18
Maintenance of Meters (653)	1,246	19
Maintenance of Hydrants (654)	3,811	20
Maintenance of Other Plant (655)	61	21
Total Transmission and Distribution Expenses	83,615	

WATER OPERATION & MAINTENANCE EXPENSES

Each expense account that has an increase or a decrease when compared to the previous year of greater than 25 percent, but not less than \$5,000, shall be fully explained in the schedule footnotes.

Particulars (a)	Amount (b)	
CUSTOMER ACCOUNTS EXPENSES		
Meter Reading Labor (901)	8,579	22
Accounting and Collecting Labor (902)	17,966	23
Supplies and Expenses (903)	3,230	24
Uncollectible Accounts (904)		25
Total Customer Accounts Expenses	29,775	
 SALES EXPENSES		
Sales Expenses (910)		26
Total Sales Expenses	0	
 ADMINISTRATIVE AND GENERAL EXPENSES		
Administrative and General Salaries (920)	29,220	27
Office Supplies and Expenses (921)	11,051	28
Administrative Expenses Transferred--Credit (922)	658	29
Outside Services Employed (923)	17,169	30
Property Insurance (924)	6,901	31
Injuries and Damages (925)		32
Employee Pensions and Benefits (926)	24,597	33
Regulatory Commission Expenses (928)		34
Miscellaneous General Expenses (930)	4,975	35
Transportation Expenses (933)	4,055	36
Maintenance of General Plant (935)		37
Total Administrative and General Expenses	97,310	
 Total Operation and Maintenance Expenses	 296,193	

TAXES (ACCT. 408 - WATER)

When allocation of taxes is made between departments, explain method used.

Description of Tax (a)	Method Used to Allocate Between Departments (b)	Amount (c)	
Property Tax Equivalent		201,707	1
Less: Local and School Tax Equivalent on Meters Charged to Sewer Department			2
Net property tax equivalent		201,707	
Social Security	fica taxes	12,270	3
PSC Remainder Assessment	psc advance assessment	1,002	4
Other (specify): NONE			5
Total tax expense		214,979	

PROPERTY TAX EQUIVALENT (WATER)

1. No property tax equivalent shall be determined for sewer utilities or town sanitary district water utilities.
2. Tax rates are those issued in November (usually) of the year being reported and are available from the municipal treasurer. Report the tax rates in mills to six (6) decimal places.
3. The assessment ratio is available from the municipal treasurer. Report the ratio as a decimal to six (6) places.
4. The utility plant balance first of year should include the gross book values of plant in service, property held for future use and construction work in progress.
5. An "other tax rate" is included in the "Net Local and School Tax Rate Calculation" to the extent that it is local. An example is a local library tax. Fully explain the rate in the Property Tax Equivalent schedule footnotes.
6. The Property Tax Equivalent to be reported for the year is determined pursuant to Wis. Stat § 66.069(1)(c). Report the higher of the current year calculation or the tax equivalent reported in the 1994 PSC annual report, unless, the municipality has authorized a lower amount, then that amount is reported as the property tax equivalent.
7. If the municipality has authorized a lower amount, the authorization description and date of the authorization must be reported in the Property Tax Equivalent schedule footnotes.

Particulars (a)	Units (b)	Total (c)	County A (d)	County B (e)	County C (f)	County D (g)	
County name			Waukesha				1
SUMMARY OF TAX RATES							2
State tax rate	mills		0.200000				3
County tax rate	mills		2.700000				4
Local tax rate	mills		5.280000				5
School tax rate	mills		12.200000				6
Voc. school tax rate	mills		1.340000				7
Other tax rate - Local	mills		0.000000				8
Other tax rate - Non-Local	mills		0.000000				9
Total tax rate	mills		21.720000				10
Less: state credit	mills		1.920000				11
Net tax rate	mills		19.800000				12
PROPERTY TAX EQUIVALENT CALCULATION							13
Local Tax Rate	mills		5.280000				14
Combined School Tax Rate	mills		13.540000				15
Other Tax Rate - Local	mills		0.000000				16
Total Local & School Tax	mills		18.820000				17
Total Tax Rate	mills		21.720000				18
Ratio of Local and School Tax to Total	dec.		0.866483				19
Total tax net of state credit	mills		19.800000				20
Net Local and School Tax Rate	mills		17.156354				21
Utility Plant, Jan. 1	\$	11,785,138	11,785,138				22
Materials & Supplies	\$	0	0				23
Subtotal	\$	11,785,138	11,785,138				24
Less: Plant Outside Limits	\$	0	0				25
Taxable Assets	\$	11,785,138	11,785,138				26
Assessment Ratio	dec.		0.997612				27
Assessed Value	\$	11,756,995	11,756,995				28
Net Local & School Rate	mills		17.156354				29
Tax Equiv. Computed for Current Year	\$	201,707	201,707				30
Tax Equivalent per 1994 PSC Report	\$	196,830					31
Any lower tax equivalent as authorized by municipality (see note 6)	\$						32
Tax equiv. for current year (see note 6)	\$	201,707					34

WATER UTILITY PLANT IN SERVICE

1. All adjustments, corrections and reclassifications should be reported in Column (f), Adjustments.
2. Explain fully as a schedule footnote the nature of all entries reported in Column (f), Adjustments.
3. Explain as a schedule footnote the dollar additions and retirements reported in Columns (c) and (e) for each account over \$50,000 not supported by statistical schedules.
4. Use only the account titles listed. If the utility has subaccounts other than accounts 372.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.

Accounts (a)	Balance First of Year (b)	Additions During Year (c)	
INTANGIBLE PLANT			
Organization (301)	29,148		1
Franchises and Consents (302)	0		2
Miscellaneous Intangible Plant (303)	0		3
Total Intangible Plant	29,148	0	
SOURCE OF SUPPLY PLANT			
Land and Land Rights (310)	0		4
Structures and Improvements (311)	0		5
Collecting and Impounding Reservoirs (312)	0		6
Lake, River and Other Intakes (313)	0		7
Wells and Springs (314)	200,516	592,871	8
Infiltration Galleries and Tunnels (315)	0		9
Supply Mains (316)	0		10
Other Water Source Plant (317)	0		11
Total Source of Supply Plant	200,516	592,871	
PUMPING PLANT			
Land and Land Rights (320)	0		12
Structures and Improvements (321)	427,397	543,024	13
Boiler Plant Equipment (322)	0		14
Other Power Production Equipment (323)	0		15
Steam Pumping Equipment (324)	0		16
Electric Pumping Equipment (325)	571,609	55,560	17
Diesel Pumping Equipment (326)	0		18
Hydraulic Pumping Equipment (327)	0		19
Other Pumping Equipment (328)	0		20
Total Pumping Plant	999,006	598,584	
WATER TREATMENT PLANT			
Land and Land Rights (330)	0		21
Structures and Improvements (331)	0		22
Water Treatment Equipment (332)	3,627		23
Total Water Treatment Plant	3,627	0	
TRANSMISSION AND DISTRIBUTION PLANT			
Land and Land Rights (340)	0		24
Structures and Improvements (341)	0		25

WATER UTILITY PLANT IN SERVICE (cont.)

Accounts (d)	Retirements During Year (e)	Adjustments Increase or (Decrease) (f)	Balance End of Year (g)	
INTANGIBLE PLANT				
Organization (301)			29,148	1
Franchises and Consents (302)			0	2
Miscellaneous Intangible Plant (303)			0	3
Total Intangible Plant	0	0	29,148	
SOURCE OF SUPPLY PLANT				
Land and Land Rights (310)			0	4
Structures and Improvements (311)			0	5
Collecting and Impounding Reservoirs (312)			0	6
Lake, River and Other Intakes (313)			0	7
Wells and Springs (314)			793,387	8
Infiltration Galleries and Tunnels (315)			0	9
Supply Mains (316)			0	10
Other Water Source Plant (317)			0	11
Total Source of Supply Plant	0	0	793,387	
PUMPING PLANT				
Land and Land Rights (320)			0	12
Structures and Improvements (321)			970,421	13
Boiler Plant Equipment (322)			0	14
Other Power Production Equipment (323)			0	15
Steam Pumping Equipment (324)			0	16
Electric Pumping Equipment (325)	42,713	58,173	642,629	17
Diesel Pumping Equipment (326)			0	18
Hydraulic Pumping Equipment (327)			0	19
Other Pumping Equipment (328)			0	20
Total Pumping Plant	42,713	58,173	1,613,050	
WATER TREATMENT PLANT				
Land and Land Rights (330)			0	21
Structures and Improvements (331)			0	22
Water Treatment Equipment (332)			3,627	23
Total Water Treatment Plant	0	0	3,627	
TRANSMISSION AND DISTRIBUTION PLANT				
Land and Land Rights (340)			0	24
Structures and Improvements (341)			0	25

WATER UTILITY PLANT IN SERVICE

1. All adjustments, corrections and reclassifications should be reported in Column (f), Adjustments.
2. Explain fully as a schedule footnote the nature of all entries reported in Column (f), Adjustments.
3. Explain as a schedule footnote the dollar additions and retirements reported in Columns (c) and (e) for each account over \$50,000 not supported by statistical schedules.
4. Use only the account titles listed. If the utility has subaccounts other than accounts 372.1 and 397.1, combine them into one total and detail by subaccount as a schedule footnote.

Accounts (a)	Balance First of Year (b)	Additions During Year (c)	
TRANSMISSION AND DISTRIBUTION PLANT			
Distribution Reservoirs and Standpipes (342)	796,702		26
Transmission and Distribution Mains (343)	6,115,963	222,859	27
Fire Mains (344)	0		28
Services (345)	1,212,135	50,491	29
Meters (346)	213,347	2,836	30
Hydrants (348)	921,516	86,766	31
Other Transmission and Distribution Plant (349)	0		32
Total Transmission and Distribution Plant	9,259,663	362,952	
GENERAL PLANT			
Land and Land Rights (389)	0		33
Structures and Improvements (390)	209,866	934	34
Office Furniture and Equipment (391)	18,725		35
Computer Equipment (391.1)	18,437		36
Transportation Equipment (392)	22,052		37
Stores Equipment (393)	0		38
Tools, Shop and Garage Equipment (394)	0		39
Laboratory Equipment (395)	0		40
Power Operated Equipment (396)	0		41
Communication Equipment (397)	0		42
SCADA Equipment (397.1)	0		43
Miscellaneous Equipment (398)	0		44
Other Tangible Property (399)	0		45
Total General Plant	269,080	934	
Total utility plant in service directly assignable	10,761,040	1,555,341	
Common Utility Plant Allocated to Water Department	0		46
Total utility plant in service	10,761,040	1,555,341	

WATER UTILITY PLANT IN SERVICE (cont.)

Accounts (d)	Retirements During Year (e)	Adjustments Increase or (Decrease) (f)	Balance End of Year (g)
TRANSMISSION AND DISTRIBUTION PLANT			
Distribution Reservoirs and Standpipes (342)			796,702 26
Transmission and Distribution Mains (343)			6,338,822 27
Fire Mains (344)			0 28
Services (345)			1,262,626 29
Meters (346)			216,183 30
Hydrants (348)			1,008,282 31
Other Transmission and Distribution Plant (349)			0 32
Total Transmission and Distribution Plant	0	0	9,622,615
GENERAL PLANT			
Land and Land Rights (389)			0 33
Structures and Improvements (390)			210,800 34
Office Furniture and Equipment (391)			18,725 35
Computer Equipment (391.1)			18,437 36
Transportation Equipment (392)			22,052 37
Stores Equipment (393)			0 38
Tools, Shop and Garage Equipment (394)			0 39
Laboratory Equipment (395)			0 40
Power Operated Equipment (396)			0 41
Communication Equipment (397)			0 42
SCADA Equipment (397.1)			0 43
Miscellaneous Equipment (398)			0 44
Other Tangible Property (399)			0 45
Total General Plant	0	0	270,014
Total utility plant in service directly assignable	42,713	58,173	12,331,841
Common Utility Plant Allocated to Water Department			0 46
Total utility plant in service	42,713	58,173	12,331,841

SOURCE OF SUPPLY, PUMPING AND PURCHASED WATER STATISTICS

Month (a)	Sources of Water Supply			Total Gallons All Methods (000's) (e)	
	Purchased Water Gallons (000's) (b)	Surface Water Gallons (000's) (c)	Ground Water Gallons (000's) (d)		
January			16,052	16,052	1
February			14,025	14,025	2
March			17,071	17,071	3
April			16,519	16,519	4
May			20,173	20,173	5
June			21,212	21,212	6
July			33,502	33,502	7
August			22,262	22,262	8
September			19,247	19,247	9
October			18,300	18,300	10
November			17,234	17,234	11
December			17,103	17,103	12
Total for year	0	0	232,700	232,700	
Less: Measured or estimated water used in main flushing and water treatment during year				2,100	13
Less: Other utility use					14
Other utility use explanation:					15
Water pumped into distribution system				230,600	16
Less: Water sold				201,494	17
Losses and unaccounted for				29,106	18
Percent unaccounted for to the nearest whole percent (%)				13%	19
If more than 25%, indicate causes and state what action has been taken to reduce water loss:					20
Maximum gallons pumped by all methods in any one day during reporting year				1,554	21
Date of maximum: 7/18/1998					22
Cause of maximum:					23
Hot Weather					
Minimum gallons pumped by all methods in any one day during reporting year				341	24
Date of minimum: 1/21/1998					25
Total KWH used for pumping for the year				700,601	26
If water is purchased: Vendor Name:					27
Point of Delivery:					28

SOURCES OF WATER SUPPLY - GROUND WATERS

Location (a)	Identification Number (b)	Depth in feet (c)	Well Diameter in inches (d)	Yield Per Day in gallons (e)	Currently In Service? (f)	
JANESVILLE RD	Well #7	260	16	450,000	Yes	1
RACINE AVE BEHIND P.D.	WELL#2	90	12	330,000	Yes	2
ERIN CT	WELL#3	330	10	104,000	Yes	3
BAY LANE	WELL#4	1,350	8	47,000	Yes	4
KRISTEN CT	WELL#5	1,400	8	41,000	Yes	5
ST LEONARDS DR	WELL#6	1,100	8	69,000	Yes	6

SOURCES OF WATER SUPPLY - SURFACE WATERS

Location (a)	Intakes			
	Identification Number (b)	Distance From Shore in feet (c)	Depth Below Surface in feet (d)	Diameter in inches (e)
NONE				

PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	BOOSTER PUMP #1	BOOSTER PUMP #2	BOOSTER PUMP #3	1
Location	S7971 HILLENDALE DR	S7971 HILLENDALE DR	S7971 HILLENDALE DR	2
Purpose	B	B	B	3
Destination	D	D	D	4
Pump Manufacturer	AURORA	AURORA	AURORA	5
Year Installed	1995	1995	1995	6
Type	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	7
Actual Capacity (gpm)	250	250	1,000	8
Pump Motor or Standby Engine Mfr	U.S. MOTORS	U.S. MOTORS	U.S. MOTORS	9 10
Year Installed	1995	1995	1995	11
Type	ELECTRIC	ELECTRIC	ELECTRIC	12
Horsepower	15	15	30	13

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	BOOSTER PUMP 1	BOOSTER PUMP 2	WELL #3	14
Location	S8350 HILLENDALE DR	S8350 HILLENDALE DR	ERIN CT	15
Purpose	S	S	P	16
Destination	D	D	D	17
Pump Manufacturer	AURORA	AURORA	BYRON-JACKSON	18
Year Installed	1991	1991	1975	19
Type	CENTRIFUGAL	CENTRIFUGAL	VERTICAL TURBINE	20
Actual Capacity (gpm)	470	470	175	21
Pump Motor or Standby Engine Mfr	U.S. MOTORS	U.S. MOTORS	V.H.S.	22 23
Year Installed	1991	1991	1975	24
Type	ELECTRIC	ELECTRIC	ELECTRIC	25
Horsepower	10	10	25	26

PUMPING & POWER EQUIPMENT

1. Use a separate column for each pump.
2. Indicate purpose of pump by: P for primary (from source to reservoir, treatment or distribution system), B for booster (from reservoir or treatment to distribution system, or within distribution system), or S for standby pumping equipment.
3. Indicate destination (of water pumped) by: R for reservoir, T for treatment or D for distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification	WELL #4	WELL #5	WELL #6	1
Location	BAY LANE	KRISTIN CT	ST. LEONARDS DR	2
Purpose	P	P	P	3
Destination	D	D	D	4
Pump Manufacturer	BYRON-JACKSON	E.S.P.	GOULD	5
Year Installed	1976	1997	1996	6
Type	VERTICAL TURBINE	SUBMERSIBLE	SUBMERSIBLE	7
Actual Capacity (gpm)	175	575	175	8
Pump Motor or Standby Engine Mfr	FRANKLIN	E.S.P. INC.	FRANKLIN ELEC	9 10
Year Installed	1976	1997	1996	11
Type	ELECTRIC	ELECTRIC	ELECTRIC	12
Horsepower	40	150	40	13

Particulars (a)	Unit D (b)	Unit E (c)	Unit F (d)	
Identification	WELL #7	WELL#2		14
Location	COUNTY PARK	RACINE AVE		15
Purpose	P	P		16
Destination	D	D		17
Pump Manufacturer	GOULDS	GOULDS		18
Year Installed	1998	1998		19
Type	VERTICAL TURBINE	VERTICAL TURBINE		20
Actual Capacity (gpm)	1,998	720		21
Pump Motor or Standby Engine Mfr	US MOTORS	US MOTORS		22 23
Year Installed	1998	1998		24
Type	ELECTRIC	ELECTRIC		25
Horsepower	100	60		26

RESERVOIRS, STANDPIPES & WATER TREATMENT

1. Identify as R (reservoir), S (standpipe) & ET (elevated tank).
2. Use a separate column for each using additional copies if necessary.
3. Enter elevation difference between highest water level in S or ET, (or R only on an elevated site) and the water main where the connection to the storage begins branching into the distribution system.

Particulars (a)	Unit A (b)	Unit B (c)	Unit C (d)	
Identification number or name	C2995	C5223		1
RESERVOIRS, STANDPIPES OR ELEVATED TANKS				2
Type: R (reservoir), S (standpipe) or ET (elevated tank)	R	ET		3
Year constructed	1995	1986		4
Primary material (earthen, steel, concrete, other)	STEEL	STEEL		5
Elevation difference in feet (See Headnote 3.)	37	137		6
Total capacity in gallons	750,000	250,000		7
WATER TREATMENT PLANT				8
Disinfection, type of equipment (gas, liquid, powder, other)	LIQUID			9
Points of application (wellhouse, central facilities, booster station, other)	WELLHOUSE			10
Filters, type (gravity, pressure, other, none)	NONE			11
Rated capacity of filter plant (m.g.d.) (note: 1,200,000 gal/day = 1.2 m.g.d.)	1.0000			12
Is a corrosion control chemical used (yes, no)?	N			13
Is water fluoridated (yes, no)?	N			14

WATER MAINS

1. Report mains separately by pipe material, function, diameter and either within or outside the municipal boundaries.
2. Identify pipe material as: L (Lead), M (Metal for all other metal excluding lead), A (Asbestos-cement), or P (Plastic for plastic and all other non-metal excluding asbestos-cement).
3. Identify function as: T (Transmission), D (Distribution) or S (Supply).
4. Explain all reported adjustments as a schedule footnote.
5. For main additions reported in column (e), as a schedule footnote:
 - a. Explain how the additions were financed.
 - b. If assessed against property owners, explain the basis of the assessments.
 - c. If the assessments are deferred, explain.

Number of Feet								
Pipe Material (a)	Main Function (b)	Diameter in Inches (c)	First of Year (d)	Added During Year (e)	Retired During Year (f)	Adjustments Increase or (Decrease) (g)	End of Year (h)	
M	T	6.000	9,516	0	0	0	9,516	1
P	T	6.000	15,616	0	0	0	15,616	2
M	T	8.000	11,035	0	0	0	11,035	3
P	T	8.000	59,409	5,863	0	0	65,272	4
P	T	10.000	15,911	0	0	0	15,911	5
M	T	12.000	1,642	0	0	0	1,642	6
P	S	12.000	2,500	0	0	0	2,500	7
P	T	12.000	42,308	0	0	0	42,308	8
M	T	16.000	116	0	0	0	116	9
P	T	16.000	16,398	0	0	0	16,398	10
Total Within Municipality			174,451	5,863	0	0	180,314	
Total Utility			174,451	5,863	0	0	180,314	

WATER SERVICES

1. Explain all reported adjustments as a schedule footnote.
2. Report in column (h) the number of utility-owned services included in columns (c) through (g) which are temporarily shut off at the curb box or otherwise not in use at end of year.
3. For services added during the year in column (d), as a schedule footnote:
 - a. Explain how the additions were financed.
 - b. If assessed against property owners, explain the basis of the assessments.
 - c. If installed by a property owner or developer, explain the basis of recording the cost of the additions, the total amount and the number of services recorded under this method.
 - d. If any were financed by application of Cz-1, provide the total amount recorded and the number of services recorded under this method.
4. Report services separately by pipe material and diameter.
5. Identify pipe material as: L (Lead), M (Metal for all other metal excluding lead), A (Asbestos-cement) or P (Plastic for plastic and all other non-metal excluding asbestos-cement).

Pipe Material (a)	Diameter in Inches (b)	First of Year (c)	Added During Year (d)	Removed or Permanently Disconnected During Year (e)	Adjustments Increase or (Decrease) (f)	End of Year (g)	Utility Owned Services Not In Use at End of Year (h)	
M	0.750	1				1		1
M	1.000	1,098	2,205			3,303	180	2
M	1.250	1				1		3
M	1.500	29				29		4
M	1.750	5				5		5
M	2.000	133				133	39	6
M	4.000	6				6		7
M	6.000	4				4	4	8
M	8.000	3				3	1	9
Total Utility		1,280	2,205	0	0	3,485	224	

METERS

1. Include in Columns (b), (c), (d), (e) and (f) meters in stock as well as those in service.
2. Report in Column (c) all meters purchased during the year and in Column (d) all meters junked, sold or otherwise permanently retired during the year.
3. Use Column (e) to show correction to previously reported meter count because of inventory or property record corrections.
4. Totals by size in Column (f) should equal same size totals in Column (a).

Number of Utility-Owned Meters

Size of Meter (a)	First of Year (b)	Added During Year (c)	Retired During Year (d)	Adjustments Increase or (Decrease) (e)	End of Year (f)	Tested During Year (g)	
0.625	1,957	0	0	0	1,957	20	1
0.750	61	0	0	0	61	0	2
1.000	52	0	0	0	52	1	3
1.500	20	0	0	0	20	6	4
2.000	24	0	0	3	27	4	5
3.000	7	0	0	0	7	0	6
Total:	2,121	0	0	3	2,124	31	

Classification of All Meters at End of Year by Customers

Size of Meter (h)	Residential (i)	Commercial (j)	Industrial (k)	Public Authority (l)	Wholesale, Inter-Department or Utility Use (m)	In Stock and Deduct Meters (n)	Total (o)	
0.625	1,829	26	32	1	4	65	1,957	1
0.750	16	4	13	1	1	26	61	2
1.000	10	8	22	1	2	9	52	3
1.500	0	6	7	2	0	5	20	4
2.000	15	6	5	1	0	0	27	5
3.000	0	0	0	0	0	7	7	6
Total:	1,870	50	79	6	7	112	2,124	

HYDRANTS AND DISTRIBUTION SYSTEM VALVES

1. Distinguish between fire and flushing hydrants by lead size.
 - a. Fire hydrants normally have a lead size of 6 inches or greater.
 - b. Record as a flushing hydrant where the lead size is less than 6 inches or if pressure is inadequate to provide fire flow.
2. Explain all reported adjustments in the schedule footnotes.
3. Report fire hydrants as within or outside the municipal boundaries.

Hydrant Type (a)	Number In Service First of Year (b)	Added During Year (c)	Removed During Year (d)	Adjustments Increase or (Decrease) (e)	Number In Service End of Year (f)	
Fire Hydrants						
Outside of Municipality	0				0	1
Within Municipality	479	13			492	2
Total Fire Hydrants	479	13	0	0	492	
Flushing Hydrants						
	1				1	3
Total Flushing Hydrants	1	0	0	0	1	

Wis. Admin. Code § 185.87 requires that a schedule shall be adopted and followed for operating each system valve and hydrant at least once each two years. Report the number operated during the year

Number of hydrants operated during year:	492
Number of distribution system valves end of year:	567
Number of distribution valves operated during year:	284

WATER OPERATING SECTION FOOTNOTES

Water Operation & Maintenance Expenses (Page W-05)

Account #640- The increase in Transmission and Distribution operation labor of approximately \$13,442 relates to the addition of a staff person who shares time with the Sewer Utility came on board right at the end of 1997.

Account #650- The increase in Maintenance of Distribution Reservoirs and Standpipes is a result of approximately 47,000 for amortization of the Water Tower Repainting

Account #651- The increase in Maintenance of Mains is resulting from the increase in the number of main breaks in 1998 over 1997

Water Utility Plant in Service (Page W-08)

Account #325- Pumping equipment increase relates to the pumping equipment purchased for the rehab of Well #2

Account #321- Structures and Improvement increase relates to the Pumping Station for Well #7

Account #314- Well and Springs increase relates to the rehab of Well #2 and Well #7 being placed into service

account #345- Services increase relates to the addition of two subdivisions into the service area.

Account #346- Meters value increase relates to meter aquired from Muskego Sewer Utility

Account #325- Pumping equipment adjustment relates to Well #7 being placed into service

Reservoirs, Standpipes & Water Treatment (Page W-14)

water treatment data received 7/23/99 ele

Water Mains (Page W-15)

The 5,863 represents developer contribution for deer Creek #1 Subdivision and Park Estates Subdivision.

Water Services (Page W-16)

water services information received 7/23/99 ele

(see mains footnote. Developer contributed for subdivision). ele

Meters (Page W-17)

Meters adjustment relates to 3 meters aquired from the Muskego Sewer utility
