

Compliance Maintenance Annual Report

Milwaukee, City

Last Updated: Reporting For:
6/17/2015 2014

Financial Management

<p>1. Provider of Financial Information</p> <p>Name: <input style="width: 150px;" type="text" value="Timothy J. Thur"/></p> <p>Telephone: <input style="width: 150px;" type="text" value="(414) 286-2463"/> (XXX) XXX-XXXX</p> <p>E-Mail Address (optional): <input style="width: 300px;" type="text" value="timothy.thur@milwaukee.gov"/></p>																									
<p>2. Treatment Works Operating Revenues</p> <p>2.1 Are User Charges or other revenues sufficient to cover O&M expenses for your wastewater treatment plant AND/OR collection system ?</p> <p><input checked="" type="radio"/> Yes (0 points)</p> <p><input type="radio"/> No (40 points)</p> <p>If No, please explain:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p>2.2 When was the User Charge System or other revenue source(s) last reviewed and/or revised?</p> <p>Year: <input style="width: 80px;" type="text" value="2014"/></p> <p><input checked="" type="radio"/> 0-2 years ago (0 points)</p> <p><input type="radio"/> 3 or more years ago (20 points)</p> <p><input type="radio"/> N/A (private facility)</p> <p>2.3 Did you have a special account (e.g., CWFP required segregated Replacement Fund, etc.) or financial resources available for repairing or replacing equipment for your wastewater treatment plant and/or collection system?</p> <p><input checked="" type="radio"/> Yes (0 points)</p> <p><input type="radio"/> No (40 points)</p>	0																								
<p>REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 3]</p>																									
<p>3. Equipment Replacement Funds</p> <p>3.1 When was the Equipment Replacement Fund last reviewed and/or revised?</p> <p>Year: <input style="width: 80px;" type="text" value="2014"/></p> <p><input checked="" type="radio"/> 1-2 years ago (0 points)</p> <p><input type="radio"/> 3 or more years ago (20 points)</p> <p><input type="radio"/> N/A</p> <p>If N/A, please explain:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>																									
<p>3.2 Equipment Replacement Fund Activity</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">3.2.1 Ending Balance Reported on Last Year's CMAR</td> <td style="width: 5%;"></td> <td style="width: 5%; text-align: right;">\$</td> <td style="width: 30%; text-align: right;"><input style="width: 100%;" type="text" value="300,000.00"/></td> </tr> <tr> <td>3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)</td> <td></td> <td style="text-align: right;">\$</td> <td style="text-align: right;"><input style="width: 100%;" type="text" value="0.00"/></td> </tr> <tr> <td>3.2.3 Adjusted January 1st Beginning Balance</td> <td></td> <td style="text-align: right;">\$</td> <td style="text-align: right;"><input style="width: 100%;" type="text" value="300,000.00"/></td> </tr> <tr> <td>3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)</td> <td style="text-align: center;">+</td> <td style="text-align: right;">\$</td> <td style="text-align: right;"><input style="width: 100%;" type="text" value="1,104,000.00"/></td> </tr> <tr> <td>3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*)</td> <td style="text-align: center;">-</td> <td style="text-align: right;">\$</td> <td style="text-align: right;"><input style="width: 100%;" type="text" value="1,104,000.00"/></td> </tr> <tr> <td>3.2.6 Ending Balance as of December 31st for CMAR Reporting Year</td> <td></td> <td style="text-align: right;">\$</td> <td style="text-align: right;"><input style="width: 100%;" type="text" value="300,000.00"/></td> </tr> </table>	3.2.1 Ending Balance Reported on Last Year's CMAR		\$	<input style="width: 100%;" type="text" value="300,000.00"/>	3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)		\$	<input style="width: 100%;" type="text" value="0.00"/>	3.2.3 Adjusted January 1st Beginning Balance		\$	<input style="width: 100%;" type="text" value="300,000.00"/>	3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	+	\$	<input style="width: 100%;" type="text" value="1,104,000.00"/>	3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*)	-	\$	<input style="width: 100%;" type="text" value="1,104,000.00"/>	3.2.6 Ending Balance as of December 31st for CMAR Reporting Year		\$	<input style="width: 100%;" type="text" value="300,000.00"/>	
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All Sources: This ending balance should include all Equipment Replacement Funds whether held in a bank account(s), certificate(s) of deposit, etc.

3.2.6.1 Indicate adjustments, equipment purchases, and/or major repairs from 3.2.5 above.

1)Purchase of sewer cleaning and safety equipment 2)Rehab and/or repair pumps and generators 3)SCADA related contract and 4)Purchase Local Government Radio.

3.3 What amount should be in your Replacement Fund? \$ 300,000.00

Please note: If you had a CFWP loan, this amount was originally based on the Financial Assistance Agreement (FAA) and should be regularly updated as needed. Further calculation instructions and an example can be found by clicking the HELP link under Info in the left-side menu.

3.3.1 Is the December 31 Ending Balance in your Replacement Fund above, (#3.2.6) equal to, or greater than the amount that should be in it (#3.3)?

- Yes
- No

If No, please explain.

0

4. Future Planning

4.1 During the next ten years, will you be involved in formal planning for upgrading, rehabilitating, or new construction of your treatment facility or collection system?

- Yes - If Yes, please provide major project information, if not already listed below.
- No

Project #	Project Description	Estimated Cost	Approximate Construction Year
1	The City of Milwaukee has an ongoing sewer replacement program. From 2014 to 2019, our six year Capital Improvement Program is \$201,000,000. This amount is for replacement of the City's combined, sanitary and storm sewers. Of that amount, approximately \$11,500,000 is budgeted for the sanitary sewer system rehabilitation each year.	11500000	2014

5. Financial Management General Comments

The City's budget is based on the calendar year, Jan 1st to Dec 31st.

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

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Sanitary Sewer Collection Systems

1. CMOM Program

1.1 Do you have a Capacity, Management, Operation & Maintenance (CMOM) requirement in your WPDES permit?

Yes

No

1.2 Did you have a documented (written records/files, computer files, video tapes, etc.) sanitary sewer collection system operation & maintenance (O&M) or CMOM program last calendar year?

Yes (Continue with question 1)

No (30 points) (Go to question 2)

1.3 Check the elements listed below that are included in your O&M or CMOM program.

Goals

Describe the specific goals you have for your collection system:

To efficiently collect and convey all of our customer's wastewater in the most cost effective manner while remaining in compliance with WPDES permits, Clean Water Act, Wisconsin Law and MMSD Rules and Regulations.

Organization

Do you have the following written organizational elements (check only those that apply)?

Ownership and governing body description

Organizational chart

Personnel and position descriptions

Internal communication procedures

Public information and education program

Legal Authority

Do you have the legal authority for the following (check only those that apply)?

Sewer use ordinance Last Revised Date (MM/DD/YYYY) 1995-09-27

Pretreatment/industrial control Programs

Fat, oil and grease control

Illicit discharges (commercial, industrial)

Private property clear water (sump pumps, roof or foundation drains, etc.)

Private lateral inspections/repairs

Service and management agreements

Maintenance Activities (provide details in question 2)

Design and Performance Provisions

How do you ensure that your sewer system is designed and constructed properly?

State plumbing code

DNR NR 110 standards

Local municipal code requirements

Construction, inspection, and testing

Others:

Milwaukee Metropolitan Sewerage District Guidelines

Overflow Emergency Response Plan:

Does your emergency response capability include (check only those that apply)?

Alarm system and routine testing

Emergency equipment

Emergency procedures

Communications/notifications (DNR, internal, public, media, etc.)

Capacity Assurance:

How well do you know your sewer system? Do you have the following?

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- Current and up-to-date sewer map
- Sewer system plans and specifications
- Manhole location map
- Lift station pump and wet well capacity information
- Lift station O&M manuals

Within your sewer system have you identified the following?

- Areas with flat sewers
- Areas with surcharging
- Areas with bottlenecks or constrictions
- Areas with chronic basement backups or SSOs
- Areas with excess debris, solids, or grease accumulation
- Areas with heavy root growth
- Areas with excessive infiltration/inflow (I/I)
- Sewers with severe defects that affect flow capacity
- Adequacy of capacity for new connections
- Lift station capacity and/or pumping problems
- Annual Self-Auditing of your O&M/CMOM Program to ensure above components are being implemented, evaluated, and re-prioritized as needed
- Special Studies Last Year (check only those that apply):
 - Infiltration/Inflow (I/I) Analysis
 - Sewer System Evaluation Survey (SSES)
 - Sewer Evaluation and Capacity Management Plan (SECAP)
 - Lift Station Evaluation Report
 - Others:

0

2. Operation and Maintenance

2.1 Did your sanitary sewer collection system maintenance program include the following maintenance activities? Complete all that apply and indicate the amount maintained.

Cleaning	46.46	% of system/year
Root removal	0.68	% of system/year
Flow monitoring	1.3	% of system/year
Smoke testing	0	% of system/year
Sewer line televising	12.96	% of system/year
Manhole inspections	19.88	% of system/year
Lift station O&M	12	# per L.S./year
Manhole rehabilitation	1.76	% of manholes rehabbed
Mainline rehabilitation	0.92	% of sewer lines rehabbed
Private sewer inspections	0	% of system/year
Private sewer I/I removal	0	% of private services

Please include additional comments about your sanitary sewer collection system below:

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3. Performance Indicators

3.1 Provide the following collection system and flow information for the past year.

32.11	Total actual amount of precipitation last year in inches
34.76	Annual average precipitation (for your location)
963	Miles of sanitary sewer
7	Number of lift stations
0	Number of lift station failures
1	Number of sewer pipe failures
31	Number of basement backup occurrences
1730	Number of complaints
	Average daily flow in MGD (if available)
	Peak monthly flow in MGD (if available)
	Peak hourly flow in MGD (if available)

3.2 Performance ratios for the past year:

0.00	Lift station failures (failures/year)
0.00	Sewer pipe failures (pipe failures/sewer mile/yr)
0.01	Sanitary sewer overflows (number/sewer mile/yr)
0.03	Basement backups (number/sewer mile)
1.80	Complaints (number/sewer mile)
	Peaking factor ratio (Peak Monthly: Annual Daily Avg)
	Peaking factor ratio (Peak Hourly: Annual Daily Avg)

4. Overflows

LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OFERFLOWS REPORTED **

	Date	Location	Cause	Estimated Volume (MG)
0	1/31/2014 5:00:00 AM - 1/31/2014 10:00:00 AM	Approx. 320 feet south of the intersection of N. 60th St and W. Custer Ave.		0.0026 - 0.0026
1	5/12/2014 7:10:00 PM - 5/12/2014 7:12:00 PM	Permit No 001 - Permanent overflow structure at N 41st St and W Congress Ave (s/s)		0.0007 - 0.0007
2	5/12/2014 6:45:00 PM - 5/12/2014 7:45:00 PM	Permit No. 014 Permanent overflow structure, N 41st St and W Congress Ave (n/s)	Rain	0.0154 - 0.0154
3	5/12/2014 6:58:00 PM - 5/12/2014 7:41:00 PM	Permit No. 215 - Permanent Overflow Structure at N 72nd St and W Capital Dr	Rain	0.0345 - 0.0345
4	5/12/2014 6:52:00 PM - 5/12/2014 7:40:00 PM	Permit No. 216 - Permanent Overflow Structure at W. Potomac Ave and W. Chapman Pl.	Rain	0.0201 - 0.0201
5	6/18/2014 1:45:00 AM - 6/18/2014 2:15:00 AM	Permit No. 216 - W. Potomac Ave and W. Chapman Place	Rain	0.0684 - 0.0684
6	6/18/2014 2:00:00 AM - 6/18/2014 2:00:00 AM	Permit No. 001 - Permanent overflow structure at N. 41st St & W. Congress Ave	Rain	0.0006 - 0.0006
7	6/18/2014 1:30:00 AM - 6/18/2014 3:15:00 AM	Permit No. 014 - Permanent overflow structure at N. 41st St and W. Congress Ave.	Rain	0.0774 - 0.0774
8	6/18/2014 2:15:00 AM - 6/18/2014 2:30:00 AM	Permit No. 198 - Permanent overflow structure at N. 31st St and W. Villard Ave.	Rain	0.0008 - 0.0008

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9	6/18/2014 1:45:00 AM - 6/18/2014 2:00:00 AM	Permit No. 199 - Permanent overflow structure at N. 86th St and W. Center St.	Rain	0.0027 - 0.0027
10	6/18/2014 1:45:00 AM - 6/18/2014 2:15:00 AM	Permit No. 215 - Permanent overflow structure at N. 72nd and W. Capitol Drive	Rain	0.0292 - 0.0292
11	12/2/2014 12:00:00 AM - 12/9/2014 1:10:00 PM	Permanent Overflow Structure (Permit No. 037) at S. 77th St and W. Oklahoma Avenue - duration related to time pump was running	Plugged Sewer	0.4314 - 0.4314

** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected.

What actions were taken, or are underway, to reduce or eliminate SSO or TFO occurrences in the future?

The City continues to 1. implement aggressive inflow and infiltration reduction program 2. clean and televise its sanitary sewer system to identify and prevent blockages.

5. Infiltration / Inflow (I/I)

5.1 Was infiltration/inflow (I/I) significant in your community last year?

Yes

No

If Yes, please describe:

5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year?

Yes

No

If Yes, please describe:

5.3 Explain any infiltration/inflow (I/I) changes this year from previous years:

There are no I/I changes from the previous year.

5.4 What is being done to address infiltration/inflow in your collection system?

1. Flow monitoring 2. Manhole Inspections 3. Manhole Rehab 4. Implement sanitary sewer lining projects 5. Working with MMSD on CMOM and the 2020 Facilities Plan.

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

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Grading Summary

WPDES No: 0047341

SECTIONS	LETTER GRADE	GRADE POINTS	WEIGHTING FACTORS	SECTION POINTS
Financial	A	4	1	4
Collection	A	4	3	12
TOTALS			4	16
GRADE POINT AVERAGE (GPA) = 4				

Notes:

- A = Voluntary Range (Response Optional)
- B = Voluntary Range (Response Optional)
- C = Recommendation Range (Response Required)
- D = Action Range (Response Required)
- F = Action Range (Response Required)