

Compliance Maintenance Annual Report

Milwaukee County Facilities

Last Updated: Reporting For:
6/21/2016 2015

Financial Management

<p>1. Provider of Financial Information</p> <p>Name: <input style="width: 150px;" type="text" value="Mark Sifuentes"/></p> <p>Telephone: <input style="width: 150px;" type="text" value="414-278-5138"/> (XXX) XXX-XXXX</p> <p>E-Mail Address (optional): <input style="width: 300px;" type="text" value="Mark.Sifuentes@milwaukeecountywi.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"/></p> <p><input type="radio"/> 0-2 years ago (0 points)</p> <p><input type="radio"/> 3 or more years ago (20 points)</p> <p><input checked="" 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"/></p> <p><input type="radio"/> 1-2 years ago (0 points)</p> <p><input type="radio"/> 3 or more years ago (20 points)</p> <p><input checked="" type="radio"/> N/A</p> <p>If N/A, please explain:</p> <div style="border: 1px solid black; padding: 5px; width: 100%;"> <p>We do not have wastewater equipment.</p> </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: 80px;" type="text" value="1.00"/></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: 80px;" 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: 80px;" type="text" value="1.00"/></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: 80px;" type="text" value="0.00"/></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: 80px;" type="text" value="0.00"/></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: 80px;" type="text" value="1.00"/></td> </tr> </table>	3.2.1 Ending Balance Reported on Last Year's CMAR		\$	<input style="width: 80px;" type="text" value="1.00"/>	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: 80px;" type="text" value="0.00"/>	3.2.3 Adjusted January 1st Beginning Balance		\$	<input style="width: 80px;" type="text" value="1.00"/>	3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	+	\$	<input style="width: 80px;" type="text" value="0.00"/>	3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*)	-	\$	<input style="width: 80px;" type="text" value="0.00"/>	3.2.6 Ending Balance as of December 31st for CMAR Reporting Year		\$	<input style="width: 80px;" type="text" value="1.00"/>	
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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.

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

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.

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	Complete construction for manhole and pipe rehabilitation. Complete Management Plan, Overflow Response Plan, Communication Plan, and Audit Plan. Continue to update Cityworks and G.I.S. sanitary sewer mapping and database.	61031.32	2009
2	Departmental work: Training for inspections, inspect 25% sanitary sewer manholes, televising, cleaning, dye water testing, smoke testing, field investigations, document organization and submittal, CMOM annual meetings and activities.	33401.9	2009
3	A&E work: Train departments to perform inspections, search record drawings, update GIS mapping and databases, upload inspection reports and convert information to City Works, view CCTV video, analyze inspection data, prepare list of recommended projects, prepare list of recommended inspections for following year, annual CMOM meetings, prepare MMSD I/I Management Annual Progress Report, Prepare WDNR Compliance Maintenance Annual Report.	31066	2009
4	Countywide Sanitary Sewers: Airport, HOC, and Transit Sanitary Sewer Rehabilitation and Countywide CCTV - V009-09605	75252.9	2010
5	Inspect 25% sanitary sewer manholes, televising, cleaning, dye water testing, smoke testing, field investigations, document organization and submittal, CMOM annual meetings and activities, continually update GIS mapping and databases, upload inspection reports and convert information to City Works, view CCTV video, search record drawings, analyze inspection data, prepare list of recommended projects, prepare list of recommended inspections for following year, annual CMOM meetings, prepare MMSD I/I Management Annual Progress Report, Prepare WDNR Compliance Maintenance Annual Report.	175773.44	2010

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6	Inspect 25% sanitary sewer manholes, televising, cleaning, dye water testing, smoke testing, field investigations, document organization and submittal, CMOM annual meetings and activities, continually update GIS mapping and databases, upload inspection reports and convert information to City Works, view CCTV video, search record drawings, analyze inspection data, prepare list of recommended projects, prepare list of recommended inspections for following year, annual CMOM meetings, prepare MMSD CMOM Program Annual Report, Prepare WDNR Compliance Maintenance Annual Report.	81626.24	2011
7	Begin CMOM Readiness Review, sanitary sewer database, and manhole inspection program.	10259.71	2005
8	Create sanitary sewer database, inspect manhole tops, begin abandoning unused sewers, begin SSES, continue CMOM Readiness Review.	269444.43	2006
9	Complete manhole top rehabilitation, abandon more unused manholes and pipes, complete SSES, update sanitary sewer database, complete CMOM Readiness Review, begin Strategic Plan, begin planning and design for 2008 construction projects.	1927033	2007
10	Planning, design and construction for manhole and pipe rehabilitation identified in SSES. Completed Strategic Plan. Began Management Plan, Overflow Response plan, Communications Plan, and Audit Plan. Incorporated Cityworks software into G.I.S. and pdated sanitary sewer mapping and database. Performed MMSD and CMAR reporting. Conducted internal CMOM meetings. Attended MMSD CMOM meetings.	171283.85	2008
11	McGovern Park Sanitary Sewers: Constructed new sewers to serve existing buildings and abandoned old sewers including sewer under lagoon and sewer from demolished swimming pool.	346008.42	2008
12	Parks North Sanitary Sewer Rehabilitation	287980.69	2008
13	Parks South Sanitary Sewer Rehabilitation	311302.81	2008
14	County Grounds/Zoo Sanitary Rehabilitation	284719.27	2009
15	Countywide Sanitary Sewers: Airport, HOC, and Transit Sanitary Sewer Rehabilitation and Countywide CCTV - V009-09605	110048.41	2009
16	2010 Sanitary Sewers-Multiple Locations - V0090652	6648.58	2010
17	2010 Sanitary Sewers-Multiple Locations - V0090652	123479.22	2011
18	Grant Park Sanitary Lift Station Replacement V029-13808	39255.27	2014
19	Inspect 25% sanitary sewer manholes, televising, cleaning, dye water testing, smoke testing, field investigations, document organization and submittal, CMOM annual meetings and activities, continually update GIS mapping and databases, upload inspection reports and convert information to City Works, view CCTV video, search record drawings, analyze inspection data, prepare list of recommended projects, prepare list of recommended inspections for following year, annual CMOM meetings, prepare MMSD CMOM Program Annual Report, Prepare WDNR Compliance Maintenance Annual Report.	43031.41	2012
20	Countywide Sanitary Sewers: Airport, HOC, and Transit Sanitary Sewer Rehabilitation and Countywide CCTV - V009-09605	3419.22	2011
21	Inspect 25% sanitary sewer manholes, televising, cleaning, dye water testing, smoke testing, field investigations, document organization and submittal, CMOM annual meetings and activities, continually update GIS mapping and databases, upload inspection reports and convert information to City Works, view CCTV video, search record drawings, analyze inspection data, prepare list of recommended projects, prepare list of recommended inspections for following year, annual CMOM meetings, prepare MMSD CMOM Program Annual Report, Prepare WDNR Compliance Maintenance Annual Report.	47750.63	2014
22	2010 Sanitary Sewers-Multiple Locations - V0090652	98619.53	2012
23	Countywide Sanitary Sewers: Airport, HOC, and Transit Sanitary Sewer Rehabilitation and Countywide CCTV - V009-0605	6196.92	2012
24	Countywide Sanitary Sewers: Sanitary Sewer Rehabilitation and Countywide CCTV - V009-2610	12234.53	2012

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25	Inspect 25% sanitary sewer manholes, televising, cleaning, dye water testing, smoke testing, field investigations, document organization and submittal, CMOM annual meetings and activities, continually update GIS mapping and databases, upload inspection reports and convert information to City Works, view CCTV video, search record drawings, analyze inspection data, prepare list of recommended projects, prepare list of recommended inspections for following year, annual CMOM meetings, prepare MMSD CMOM Program Annual Report, Prepare WDNR Compliance Maintenance Annual Report.	42962	2013
26	Countywide Sanitary Sewers: Sanitary Sewer Rehabilitation and Countywide CCTV - V009-2610	153088	2013
27	Countywide Sanitary Sewers: Sanitary Sewer Rehabilitation and Countywide CCTV - V009-3801	918	2013
28	Inspect 25% sanitary sewer manholes, televising, cleaning, dye water testing, smoke testing, field investigations, document organization and submittal, CMOM annual meetings and activities, continually update GIS mapping and databases, upload inspection reports and convert information to City Works, view CCTV video, search record drawings, analyze inspection data, prepare list of recommended projects, prepare list of recommended inspections for following year, annual CMOM meetings, prepare MMSD CMOM Program Annual Report, Prepare WDNR Compliance Maintenance Annual Report.	60855	2015
29	Correct deficiencies identified during previous year's inspections.	150000	2016
30	Countywide Sanitary Sewers: Sanitary Sewer Rehabilitation and Countywide CCTV - V009-2610	8075.57	2014
31	Grant Park Sanitary Lift Station Replacement V029-13808	154591	2015
32	Countywide Sanitary Sewers: Sanitary Sewer Rehabilitation and Countywide CCTV - V009-3801	26318	2015
33	Countywide Sanitary Sewers: Sanitary Sewer Rehabilitation and Countywide CCTV - V009-15804	874	2015
34	Inspect 25% sanitary sewer manholes, televising, cleaning, dye water testing, smoke testing, field investigations, document organization and submittal, CMOM annual meetings and activities, continually update GIS mapping and databases, upload inspection reports and convert information to City Works, view CCTV video, search record drawings, analyze inspection data, prepare list of recommended projects, prepare list of recommended inspections for following year, annual CMOM meetings, prepare MMSD CMOM Program Annual Report, Prepare WDNR Compliance Maintenance Annual Report.	150000	2016

5. Financial Management General Comments

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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:

1.) Comply with the conditions of the WPDES permit. 2.) Minimize the occurrence of preventable overflows. 3.) Ensure proper o&m is performed on County collection system assets. 4.) Improve or maintain system reliability. 5.) Reduce the potential threat to human health from sewer overflows. 6.) Provide adequate capacity to convey peak flow. 7.) Manage infiltration and inflow. 8.) Protect collection system worker health and safety. 9.) Operate a continuous CMOM program.

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)

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:

Overflow Emergency Response Plan:

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

Alarm system and routine testing

Emergency equipment

Emergency procedures

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

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

- 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	<input type="text" value="6"/>	% of system/year
Root removal	<input type="text" value="1"/>	% of system/year
Flow monitoring	<input type="text" value="5"/>	% of system/year
Smoke testing	<input type="text" value="0"/>	% of system/year
Sewer line televising	<input type="text" value="6"/>	% of system/year
Manhole inspections	<input type="text" value="24"/>	% of system/year
Lift station O&M	<input type="text" value="5"/>	# per L.S./year
Manhole rehabilitation	<input type="text" value="1"/>	% of manholes rehabbed
Mainline rehabilitation	<input type="text" value="1"/>	% of sewer lines rehabbed
Private sewer inspections	<input type="text" value="0"/>	% of system/year
Private sewer I/I removal	<input type="text" value="0"/>	% of private services

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

3. Performance Indicators

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

32.84	Total actual amount of precipitation last year in inches
34.76	Annual average precipitation (for your location)
43.35	Miles of sanitary sewer
32	Number of lift stations
0	Number of lift station failures
10	Number of sewer pipe failures
0	Number of basement backup occurrences
4	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)
0.23	Sewer pipe failures (pipe failures/sewer mile/yr)
0.00	Sanitary sewer overflows (number/sewer mile/yr)
0.00	Basement backups (number/sewer mile)
0.09	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)
None reported			

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

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:

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

We are not aware of any changes in regards to I/I between the year and last year.

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

Our on-going maintenance: which includes inspections, investigations and corrections will continue to improve our sewer system in regards to the elimination of infiltration and inflow.

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) = 4.00				

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)

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Resolution or Owner's Statement

Name of Governing

Body or Owner:

Milwaukee County

Date of Resolution or

Action Taken:

Resolution Number:

Date of Submittal:

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO SPECIFIC CMAR SECTIONS (Optional for grade A or B. Required for grade C, D, or F):

Financial Management: Grade = A

Collection Systems: Grade = A

(Regardless of grade, response required for Collection Systems if SSOs were reported)

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO THE OVERALL GRADE POINT AVERAGE AND ANY GENERAL COMMENTS

(Optional for G.P.A. greater than or equal to 3.00, required for G.P.A. less than 3.00)

G.P.A. = 4.00