

Compliance Maintenance Annual Report

Milwaukee Ms4 And Sewage Collection System

Last Updated: Reporting For:
5/28/2026 **2025**

Financial Management

1. Provider of Financial Information Name: <input type="text" value="Kurt Sprangers"/> Telephone: <input type="text" value="(414) 286-0515"/> (XXX) XXX-XXXX E-Mail Address (optional): <input type="text" value="kspran@milwaukee.gov"/>		
2. Treatment Works Operating Revenues 2.1 Are User Charges or other revenues sufficient to cover O&M expenses for your wastewater treatment plant AND/OR collection system ? ● Yes (0 points) <input type="checkbox"/> <input type="checkbox"/> ○ No (40 points) If No, please explain: <input type="text"/> 2.2 When was the User Charge System or other revenue source(s) last reviewed and/or revised? Year: <input type="text" value="2024"/> ● 0-2 years ago (0 points) <input type="checkbox"/> <input type="checkbox"/> ○ 3 or more years ago (20 points) <input type="checkbox"/> <input type="checkbox"/> ○ N/A (private facility) 2.3 Did you have a special account (e.g., CFWP required segregated Replacement Fund, etc.) or financial resources available for repairing or replacing equipment for your wastewater treatment plant and/or collection system? ● Yes (0 points) ○ No (40 points)		0
REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 3]		
3. Equipment Replacement Funds 3.1 When was the Equipment Replacement Fund last reviewed and/or revised? Year: <input type="text" value="2024"/> ● 1-2 years ago (0 points) <input type="checkbox"/> <input type="checkbox"/> ○ 3 or more years ago (20 points) <input type="checkbox"/> <input type="checkbox"/> ○ N/A If N/A, please explain: <input type="text"/>		
3.2 Equipment Replacement Fund Activity		
3.2.1 Ending Balance Reported on Last Year's CMAR	\$ <input 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 type="text" value="0.00"/>	
3.2.3 Adjusted January 1st Beginning Balance	\$ <input type="text" value="300,000.00"/>	
3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	\$ <input type="text" value="2,031,000.00"/>	
	+	

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3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*) -

\$ 2,031,000.00

3.2.6 Ending Balance as of December 31st for CMAR Reporting Year

\$ 300,000.00

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) Rehab and/or repair pumps and generators and 2) Purchase of several maintenance equipment: 10 jet nozzles, 1 tri-axle dump truck, 2 pickup trucks, 1 hydrocrane, 1 vacall, 1 CCTV Pipeline Inspection System, and 4 computer work stations and 3) Purchase of safety equipment and safety harnesses.

0

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 SectionInstructions link under Info header 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	The City of Milwaukee has an ongoing sewer replacement and I/I reduction program. From 2025 to 2030, our six year Capital Improvement Program is \$129,200,000. This amount is for replacement of the City's combined, sanitary and storm sewers. Of that amount, approximately \$1,500,000 is budgeted for the sanitary sewer system rehabilitation each year.	\$1,500,000	2025

I am assuming you actually verified with Zafar. This is also what we had for 2024.

5. Financial Management General Comments

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

ENERGY EFFICIENCY AND USE

6. Collection System

6.1 Energy Usage

6.1.1 Enter the monthly energy usage from the different energy sources:

COLLECTION SYSTEM PUMPAGE: Total Power Consumed

Number of Municipally Owned Pump/Lift Stations:

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	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	13,085	12
February	11,687	12
March	10,433	18
April	11,172	12
May	7,842	13
June	9,749	40
July	9,271	26
August	8,708	12
September	8,452	23
October	8,460	19
November	9,438	13
December	11,710	25
Total	120,007	225
Average	10,001	19

6.1.2 Comments:

6.2 Energy Related Processes and Equipment

6.2.1 Indicate equipment and practices utilized at your pump/lift stations (Check all that apply):

- Comminution or Screening
- Extended Shaft Pumps
- Flow Metering and Recording
- Pneumatic Pumping
- SCADA System
- Self-Priming Pumps
- Submersible Pumps
- Variable Speed Drives
- Other:

Electric heater

6.2.2 Comments:

6.3 Has an Energy Study been performed for your pump/lift stations?

No

Yes

Year:

By Whom:

Describe and Comment:

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6.4 Future Energy Related Equipment

6.4.1 What energy efficient equipment or practices do you have planned for the future for your pump/lift stations?

- a) Monthly inspections and monitoring results in early identification of unexpected increases in energy usage, which can be investigated and corrected immediately.
- b) Annual pump rehabilitation projects replaces old equipment with new potentially more energy efficient equipment.

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

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Sanitary Sewer Collection Systems

1. Capacity, Management, Operation, and Maintenance (CMOM) Program

1.1 Do you have a CMOM program that is being implemented?

- Yes
- No

If No, explain:

1.2 Do you have a CMOM program that contains all the applicable components and items according to Wisc. Adm Code NR 210.23 (4)?

- Yes
- No (30 points)
- N/A

If No or N/A, explain:

1.3 Does your CMOM program contain the following components and items? (check the components and items that apply)

- Goals [NR 210.23 (4)(a)]

Describe the major goals you had for your collection system last year:

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

Did you accomplish them?

- Yes
- No

If No, explain:

- Organization [NR 210.23 (4) (b)]

Does this chapter of your CMOM include:

- Organizational structure and positions (eg. organizational chart and position descriptions)
- Internal and external lines of communication responsibilities
- Person(s) responsible for reporting overflow events to the department and the public

- Legal Authority [NR 210.23 (4) (c)]

What is the legally binding document that regulates the use of your sewer system?

City of Milwaukee Ordinance

If you have a Sewer Use Ordinance or other similar document, when was it last reviewed and revised? (MM/DD/YYYY) 2016-12-13

Does your sewer use ordinance or other legally binding document address the following:

- Private property inflow and infiltration
- New sewer and building sewer design, construction, installation, testing and inspection
- Rehabilitated sewer and lift station installation, testing and inspection
- Sewage flows satellite system and large private users are monitored and controlled, as necessary
- Fat, oil and grease control
- Enforcement procedures for sewer use non-compliance

- Operation and Maintenance [NR 210.23 (4) (d)]

Does your operation and maintenance program and equipment include the following:

- Equipment and replacement part inventories
- Up-to-date sewer system map

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A management system (computer database and/or file system) for collection system information for O&M activities, investigation and rehabilitation
 A description of routine operation and maintenance activities (see question 2 below)
 Capacity assessment program
 Basement back assessment and correction
 Regular O&M training
 Design and Performance Provisions [NR 210.23 (4) (e)]
 What standards and procedures are established for the design, construction, and inspection of the sewer collection system, including building sewers and interceptor sewers on private property?
 State Plumbing Code, DNR NR 110 Standards and/or local Municipal Code Requirements
 Construction, Inspection, and Testing
 Others:
 MMSD guidelines

Overflow Emergency Response Plan [NR 210.23 (4) (f)]
 Does your emergency response capability include:
 Responsible personnel communication procedures
 Response order, timing and clean-up
 Public notification protocols
 Training
 Emergency operation protocols and implementation procedures
 Annual Self-Auditing of your CMOM Program [NR 210.23 (5)]
 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="15"/>	% of system/year	Verify - 34 in 2024 and 33 in 2023
Root removal	<input type="text" value="5"/>	% of system/year	
Flow monitoring	<input type="text" value="10.9"/>	% of system/year	
Smoke testing	<input type="text" value="0.22"/>	% of system/year	
Sewer line televising	<input type="text" value="27"/>	% of system/year	seems high - verify
Manhole inspections	<input type="text" value="15.9"/>	% of system/year	
Lift station O&M	<input type="text" value="10"/>	# per L.S./year	
Manhole rehabilitation	<input type="text" value="0"/>	% of manholes rehabbed	
Mainline rehabilitation	<input type="text" value="0.35"/>	% of sewer lines rehabbed	
Private sewer inspections	<input type="text" value="0"/>	% of system/year	

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Private sewer I/I removal % of private services

River or water crossings % of pipe crossings evaluated or maintained

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.

35.8	Total actual amount of precipitation last year in inches
34.57	Annual average precipitation (for your location)
949	Miles of sanitary sewer
7	Number of lift stations
0	Number of lift station failures
0	Number of sewer pipe failures
49	Number of basement backup occurrences
8117	Number of complaints
	Average daily flow in MGD (if available)
	Peak monthly flow in MGD (if available)
	Peak hourly flow in MGD (if available)

this maybe correct considering the # of complaints but confirm you did not include backups from broken/failed laterals in this count.

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)
0.06	Sanitary sewer overflows (number/sewer mile/yr)
0.05	Basement backups (number/sewer mile)
8.55	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) OVERFLOWS REPORTED **				
	Date	Location	Cause	Estimated Volume
0	8/9/2025 11:35:00 PM - 8/10/2025 3:27:00 AM	001 - North 41st Street and West Congress Avenue (S/S)	Rain, Flooding	92,933
1	8/10/2025 2:21:00 AM - 8/11/2025 3:01:00 AM	002 - North 20th Street and West Fairmont Avenue	Rain, Flooding	23,530
2	8/10/2025 12:09:00 AM - 8/10/2025 12:32:00 AM	025 - North 60th Street (W/S) and West Custer Avenue	Rain, Flooding	14,475
3	8/10/2025 2:14:00 AM - 8/10/2025 8:42:00 AM	003 - North 31st Street and West Capitol Drive (N/S)	Rain, Flooding	387,550
4	8/10/2025 1:19:00 AM - 8/10/2025 2:21:00 AM	004 - North 31st Street and West Capitol Drive (S/S)	Rain, Flooding	62,767

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5	8/9/2025 10:21:00 PM - 8/10/2025 6:02:00 PM	014 - North 41st Street and West Congress Avenue (N/S)	Rain, Flooding	708,400
6	8/9/2025 10:25:00 PM - 8/10/2025 8:04:00 AM	023 - North 20th Street and West Hampton Avenue (N/S)	Rain, Flooding	370,170
7	8/9/2025 10:25:00 PM - 8/10/2025 12:47:00 PM	024 - North 20th Street and West Hampton Avenue (SE/S)	Rain, Flooding	551,467
8	8/10/2025 2:06:00 AM - 8/10/2025 2:09:00 AM	030 - North 63rd Street and West Fairmount Avenue	Rain, Flooding	5,837
9	8/10/2025 12:08:00 AM - 8/10/2025 12:49:00 AM	026 - North 60th Street (E/S) and West Custer Avenue	Rain, Flooding	48,980
10	8/10/2025 1:55:00 AM - 8/10/2025 1:57:00 AM	027 - North 61st Street and West Lawn Avenue	Rain, Flooding	3,380
11	8/10/2025 12:11:00 AM - 8/10/2025 12:22:00 AM	029 - North 60th Street (E/S) and West Custer Avenue (150' S/O)	Rain, Flooding	6,635
12	8/10/2025 2:08:00 AM - 8/10/2025 2:46:00 AM	031 - North 96th Street and West Auer Avenue	Rain, Flooding	23,915
13	8/10/2025 1:47:00 AM - 8/10/2025 6:21:00 AM	041 - North 37th Street and West Kiley Avenue	Rain, Flooding	465,630
14	8/10/2025 12:03:00 AM - 8/10/2025 2:00:00 AM	033 - South 36th Street (170' W/O) and West Lincoln Avenue	Rain, Flooding	74,550
15	8/9/2025 11:10:00 PM - 8/10/2025 1:23:00 AM	037 - South 77th Street and West Oklahoma Avenue	Rain, Flooding	159,620
16	8/9/2025 8:43:00 PM - 8/9/2025 9:37:00 PM	039 - South 92nd Street and West Howard Avenue	Rain, Flooding	65,260
17	8/9/2025 11:49:00 PM - 8/10/2025 1:52:00 AM	045 - South 86th Street and West Ohio Avenue	Rain, Flooding	210,602
18	8/10/2025 2:16:00 AM - 8/11/2025 5:02:00 AM	056 - North 24th Place and West Villard Avenue	Rain, Flooding	166,183
19	8/10/2025 12:07:00 AM - 8/10/2025 7:02:00 AM	047 - North 107th Street and West Silver Spring Drive (100' S/O)	Rain, Flooding	265,600
20	8/10/2025 12:22:00 AM - 8/10/2025 2:21:00 AM	050 - South Pine Avenue and East Cudahy Avenue	Rain, Flooding	76,352
21	8/10/2025 12:34:00 PM - 8/11/2025 9:50:00 AM	055 - North 23rd Street and West Villard Avenue	Rain, Flooding	1,914,000
22	8/9/2025 9:59:00 PM - 8/10/2025 12:02:00 AM	057 - North 24th Place and West Villard Avenue	Rain, Flooding	183,525
23	8/9/2025 10:15:00 PM - 8/10/2025 6:19:00 AM	058 - North 20th Street and West Hampton Avenue (680' S/O)	Rain, Flooding	2,174,925
24	8/10/2025 2:05:00 AM - 8/10/2025 4:03:00 AM	062 - North 75th Street and West Hadley Street	Rain, Flooding	282,840
25	8/10/2025 2:10:00 AM - 8/10/2025 2:51:00 PM	063 - North 27th Street and West Villard Avenue	Rain, Flooding	3,423,000
26	8/10/2025 12:01:00 AM - 8/10/2025 10:24:00 AM	064 - North 28th Street and West Villard Avenue	Rain, Flooding	1,369,023
27	8/10/2025 12:03:00 AM - 8/10/2025 3:28:00 PM	065 - North 29th Street and West Villard Avenue	Rain, Flooding	1,849,000

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28	8/10/2025 1:04:00 AM - 8/10/2025 8:42:00 PM	066 - North 27th Street and West Villard Avenue (300' N/O)	Rain, Flooding	1,413,260
29	8/10/2025 2:22:00 AM - 8/10/2025 5:17:00 AM	069 - North 61st Street and West Sheridan Avenue	Rain, Flooding	175,650
30	8/10/2025 1:21:00 AM - 8/10/2025 12:40:00 PM	072 - North 55th Street and West Custer Avenue	Rain, Flooding	305,460
31	8/10/2025 2:02:00 AM - 8/10/2025 2:26:00 AM	075 - North 110th Street and West Harvest Lane	Rain, Flooding	40,460
32	8/10/2025 2:13:00 AM - 8/10/2025 2:15:00 AM	201 - North 88th Street and West Center Street	Rain, Flooding	3,307
33	8/9/2025 11:51:00 PM - 8/10/2025 6:15:00 AM	073 - North 56th Street and West Villard Avenue	Rain, Flooding	461,400
34	8/9/2025 8:29:00 PM - 8/10/2025 4:30:00 AM	074 - South 99th Street and West Oklahoma Avenue	Rain, Flooding	818,493
35	8/10/2025 12:08:00 AM - 8/10/2025 2:43:00 AM	077 - South Whitnall Avenue (400' W/O) and East Waterford Avenue	Rain, Flooding	124,213
36	8/9/2025 9:43:00 PM - 8/10/2025 8:05:00 AM	198 - North 31st Street and West Villard Avenue	Rain, Flooding	995,200
37	8/9/2025 9:58:00 PM - 8/10/2025 12:33:00 AM	200 - North 35th Street and West Oriole Drive (40' N/O)	Rain, Flooding	185,260
38	8/9/2025 11:10:00 PM - 8/10/2025 2:40:00 AM	204 - North 87th Street and West Center Street	Rain, Flooding	209,983
39	8/10/2025 2:11:00 AM - 8/11/2025 3:35:00 AM	207 - North Green Bay Road and West Fairmount Avenue	Rain, Flooding	101,820
40	8/10/2025 1:19:00 AM - 8/10/2025 2:36:00 AM	208 - North 19th Place and West Fairmount Avenue	Rain, Flooding	91,700
41	8/10/2025 2:03:00 AM - 8/10/2025 2:20:00 AM	210 - North 89th Street and West Center Street (S/S)	Rain, Flooding	9,990
42	8/9/2025 11:55:00 PM - 8/10/2025 2:58:00 AM	214 - North 72nd Street and West Hope Avenue	Rain, Flooding	309,882
43	8/9/2025 11:30:00 PM - 8/10/2025 8:55:00 AM	215 - North 72nd Street and West Capitol Drive	Rain, Flooding	362,112
44	8/10/2025 2:14:00 AM - 8/10/2025 9:03:00 AM	219 - North 27th Street and West Hope Avenue (404' S/O)	Rain, Flooding	899,653
45	8/9/2025 10:19:00 PM - 8/10/2025 5:18:00 AM	226 - West Crossfield Avenue and West Monrovia Avenue	Rain, Flooding	188,843
46	8/10/2025 12:00:00 AM - 8/10/2025 3:33:00 AM	233 - West Olive Street and West Roosevelt Drive (440' SE/O)	Rain, Flooding	212,417
47	8/9/2025 10:05:00 PM - 8/10/2025 8:40:00 AM	239 - West Potomac Avenue and West Glendale Avenue (350' NW/O)	Rain, Flooding	952,050
48	8/10/2025 2:15:00 AM - 8/10/2025 2:36:00 AM	242 - North 36th Street and West Toronto Street	Rain, Flooding	24,840
49	8/10/2025 12:00:00 PM - 8/11/2025 8:30:00 AM	North 41st Street and West Congress Avenue (S/S)	Rain, Flooding	2,816,700
50	8/10/2025 12:03:00 AM - 8/10/2025 1:45:00 AM	209 - North 57th Street and West Euclid Avenue	Rain, Flooding	122,520

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51	8/10/2025 2:30:00 PM - 8/11/2025 10:30:00 AM	North 19th Place and West Fairmount Avenue	Rain, Flooding	2,748,000
52	8/9/2025 11:59:00 PM - 8/10/2025 1:56:00 AM	240 - South 94th Street and West Howard Avenue	Rain, Flooding	152,425
53	8/9/2025 11:46:00 PM - 8/10/2025 3:48:00 AM	216 - West Potomac Avenue and West Chapman Place	Rain, Flooding	412,307
54	8/9/2025 11:44:00 PM - 8/10/2025 9:05:00 AM	223 - North 66th Street and West Ruby Avenue	Rain, Flooding	359,019
55	8/9/2025 9:55:00 PM - 8/10/2025 2:00:00 PM	234 - North 76th Street and West Glendale Avenue	Rain, Flooding	1,641,662

** 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 programs, 2) Clean and televising 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 inspection 3. Manhole rehabilitation 4. Sanitary sewer lining projects 5. Working with MMSD on 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) = 4.00				

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)