

Compliance Maintenance Annual Report

Wauwatosa Sewage Collection System

Last Updated: Reporting For:
6/12/2026 **2025**

Financial Management

<p>1. Provider of Financial Information</p> <p>Name: <input style="width: 150px;" type="text" value="Kelly Heilert"/></p> <p>Telephone: <input style="width: 150px;" type="text" value="(414) 479-8923"/> (XXX) XXX-XXXX</p> <p>E-Mail Address (optional): <input style="width: 300px;" type="text" value="kheilert@wauwatosa.net"/></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>● Yes (0 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ 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: 100px;" type="text" value="2025"/></p> <p>● 0-2 years ago (0 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ 3 or more years ago (20 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ N/A (private facility)</p> <p>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?</p> <p>● Yes (0 points)</p> <p>○ 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: 100px;" type="text" value="2025"/></p> <p>● 1-2 years ago (0 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ 3 or more years ago (20 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ 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%; text-align: right;">\$</td> <td style="width: 35%; text-align: right;"><input style="width: 150px;" type="text" value="21,826,872.41"/></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 style="text-align: right;">\$</td> <td style="text-align: right;"><input style="width: 150px;" type="text" value="0.00"/></td> </tr> <tr> <td>3.2.3 Adjusted January 1st Beginning Balance</td> <td style="text-align: right;">\$</td> <td style="text-align: right;"><input style="width: 150px;" type="text" value="21,826,872.41"/></td> </tr> <tr> <td>3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)</td> <td style="text-align: right;">+</td> <td style="text-align: right;"><input style="width: 150px;" type="text" value="13,224,450.58"/></td> </tr> </table>	3.2.1 Ending Balance Reported on Last Year's CMAR	\$	<input style="width: 150px;" type="text" value="21,826,872.41"/>	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: 150px;" type="text" value="0.00"/>	3.2.3 Adjusted January 1st Beginning Balance	\$	<input style="width: 150px;" type="text" value="21,826,872.41"/>	3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	+	<input style="width: 150px;" type="text" value="13,224,450.58"/>	
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3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*) -

\$ 11,446,665.33

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

\$ 23,604,657.66

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.

Total expenses - Less depreciation + Current bond payable

3.3 What amount should be in your Replacement Fund?

\$ 85,851.00

0

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	2026 Sanitary Sewer Capital Improvement Program and MH Rehab	\$1,147,060	2026
2	2027 Sanitary Sewer Capital Improvement Program and MH Rehab	\$4,240,500	2027
3	2028 Sanitary Sewer Capital Improvement Program and MH Rehab	\$7,296,000	2028
4	2029 Sanitary Sewer Capital Improvement Program and MH Rehab	\$1,297,004	2029
5	2030 Sanitary Sewer Capital Improvement Program and MH Rehab	\$10,174,788	2030

5. Financial Management General Comments

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	1,388	
February	1,259	
March	1,158	
April	1,235	
May	796	
June	501	
July	478	
August	875	
September	541	
October	454	
November	688	
December	1,057	
Total	10,430	0
Average	869	0

6.1.2 Comments:

Seven sanitary bypass pump stations have electric power. Annual maintenance is performed in the beginning of the year, thus the higher electric consumption. Only one bypass pump station is equipped with a natural gas generator. Also, the City has one grinder pump station for a comfort station, located at Hart Park.

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:

6.2.2 Comments:

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

No

Yes

Year:

By Whom:

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Describe and Comment:

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?

The total energy consumption for all the bypass pump stations was 10,430 kWh for the year. The total energy usage increased by 524 kWh from the previous year. Monthly inspections and annual maintenance of all the bypass pump stations result in maximum reliability and energy efficiency.

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:

The City has many ongoing initiatives to manage its sewer systems, which our residents regard as a priority. These are as follows:

- Manhole inspection program- The City has an ongoing plan to inspect all of its manholes to make sure that all manholes are gasketed and that any pick holes are covered with the proper plugs. Every sewer crew is equipped with proper tools to remove such plugs and to identify manholes that have inoperative seals and are instructed in the proper and safe way to remove manhole covers for inspection.
- I/I identification and repair - The City and MMSD have continued the practice of identifying areas that are currently outside of Peak Wet Weather Flow standards. The action plan to line or relay main lines (on street construction projects) and to grout not only the joints from sanitary laterals to the main (considered standard practice) but continue to apply chemical grout ten - fifteen feet up the sanitary lateral. This has had a profound effect on excessive flow issues.
- Asset improvement - The City has a SCADA system and I-pads for monitoring all pumping stations. This has made the monitoring of systems much more manageable and enhanced the crew's ability to monitor all system functions at a glance.
- Capital Improvement Program (CIP) - The City has a 5-year CIP that plans and budgets for sanitary sewer improvement projects to continually rehab, repair, or replace sanitary system components
- Management - Our sanitary and storm system crew leader has a tracking system to develop action plans and goals in all critical target areas of the system:
 - * Sanitary sewer cleaning - A goal of cleaning the entire sewer system (except for freshly lined and cleaned part of the system) has been achieved. The City continues to clean a portion of the system on a yearly basis. Specifically, in 2025 29.73 miles of sanitary sewer main were cleaned.
 - * Sanitary sewer manhole inspections - The City completed 431 sanitary sewer manhole inspections in 2025, which completed the cycle of inspecting every manhole at least once every 5 years.

Did you accomplish them?

- Yes
- No

If No, explain:

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

Does this chapter of your CMOM include:

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- 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?

Wauwatosa Municipal Code - Chapter 13.24

If you have a Sewer Use Ordinance or other similar document, when was it last reviewed and revised? (MM/DD/YYYY) 2015-10-20

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
- 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:

- 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:

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Sewer televising program, Sewer Rehabilitation program, Manhole Inspection program, and Manhole Rehabilitation program.

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="20"/>	% of system/year
Root removal	<input type="text" value="4"/>	% of system/year
Flow monitoring	<input type="text" value="4"/>	% of system/year
Smoke testing	<input type="text" value="0"/>	% of system/year
Sewer line televising	<input type="text" value="2"/>	% of system/year
Manhole inspections	<input type="text" value="10"/>	% of system/year
Lift station O&M	<input type="text" value="8"/>	# per L.S./year
Manhole rehabilitation	<input type="text" value="1"/>	% of manholes rehabbed
Mainline rehabilitation	<input type="text" value="2"/>	% of sewer lines rehabbed
Private sewer inspections	<input type="text" value="1"/>	% of system/year
Private sewer I/I removal	<input type="text" value="1"/>	% of private services
River or water crossings	<input type="text" value="10"/>	% of pipe crossings evaluated or maintained

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

2.1 Clarification: In the Lift station O&M category listed above, which states eight. Seven of them are sanitary bypass pump stations and one is a grinder pump station for a small city owned comfort station building at Hart Park.
 Note: Wauwatosa has 4,154 sanitary manholes.

3.1 Performance Indicators Note: The number of complaints are based on property owners calling the DPW with sewer issues. Most calls are related to sewer issues on private property, such as laterals or plumbing. The DPW investigates every call to verify that there are no problems with the city sanitary sewer system and either cleans the line with the hydro-jetter and/or videos the line with the City's CCTV camera truck. When verified that there are no problems with the city sewers, the DPW will contact the property owners to explain and educate that the cause the sewer issue is on private property. Of the 61 sewer calls that the DPW took in 2025, 5 were found to have potentially originated from the sanitary sewer main.
 The number of basement backup occurrences may have been higher as a result of the August 9 and 10 rain events, but many of those potential basement backup homes were impacted by stormwater and riverine flood water that entered the homes through widow wells, doorways, and basement walls.
 The sewer pipe failure was a blocked and failing pipe due to tree roots that led to the Overflow in section 4.

3. Performance Indicators

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

<input type="text" value="35.80"/>	Total actual amount of precipitation last year in inches
<input type="text" value="34.57"/>	Annual average precipitation (for your location)
<input type="text" value="153"/>	Miles of sanitary sewer

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8	Number of lift stations
0	Number of lift station failures
1	Number of sewer pipe failures
1	Number of basement backup occurrences
61	Number of complaints
7.6	Average daily flow in MGD (if available)
	Peak monthly flow in MGD (if available)
79.7	Peak hourly flow in MGD (if available)
3.2 Performance ratios for the past year:	
0.00	Lift station failures (failures/year)
0.01	Sewer pipe failures (pipe failures/sewer mile/yr)
0.01	Sanitary sewer overflows (number/sewer mile/yr)
0.01	Basement backups (number/sewer mile)
0.40	Complaints (number/sewer mile)
0.0	Peaking factor ratio (Peak Monthly:Annual Daily Avg)
10.5	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	12/29/2025 7:00:00 PM - 12/30/2025 10:00:00 AM	107th St and Fischer Pkwy	Plugged Sewer	100

** 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 immediately cleaned the line and removed roots of the plugged line. The line was subsequently lined with a CIPP liner to restore structural integrity to the pipe and seal out tree roots. The City continues to perform routine cleaning on a portion of the sewer system every year. The City also monitors and cleans known trouble spot on a monthly basis. The City has a goal to video the entire sewer system using its CCTV camera truck every 10 years to inspect the system for issues that could become issues in the future. The City also continues to relay or line old clay sewer mains to extend or restore the life of the main.

5. Infiltration / Inflow (I/I)

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

- Yes
- No

If Yes, please describe:

I/I continues to be an issue in the City. In large storm events, I/I can be significant an overwhelm the system, leading to potential basement backups. was still less than it would have been due to the city's continuing sanitary sewer and manhole rehabilitation programs, and lateral grouting projects.

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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I/I during large rain events can be significant enough to overwhelm the system and lead to basement backups.

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

Higher than average precipitation likely lead to higher I/I systemwide, including the historic rain event in August. Otherwise in general, I/I is probably similar to years past.

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

With CIP projects the City continues to rehab and replace sanitary sewer mains, laterals within the City rights-of-way, and participate in MMSD's PPII program as well as promote MMSD's Pipe Check program and encourage residents to participate to replace their entire lateral to reduce I/I.

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:

City of Wauwatosa

Date of Resolution or
Action Taken:

2026-06-23

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

NOW THEREFORE, BE IT RESOLVED by the Common Council of the City of Wauwatosa to accept the CY 2025 Compliance Maintenance Annual Report (CMAR) and that the following recommendations and actions be taken to address and correct problems and deficiencies of the collection system as identified in the CMAR in order to maintain compliance with effluent limitations and permit conditions and eliminate Sanitary Sewer Overflows (SSO):

- 1) Continue with the City's Inflow and Infiltration elimination program.
- 2) Continue with its current sanitary sewer collection system operational procedures and make improvements where necessary.
- 3) Initiate additional engineering studies in areas where there may be inadequate capacity.
- 4) Perform orderly and timely inspection, maintenance and repairs.
- 5) Add newly identified troubled spots to the monthly maintenance schedule.
- 6) Complete manhole and mainline improvements as identified in the Capital Improvements Program.

Collection Systems: Grade = A

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

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- 6) Complete manhole and mainline improvements as identified in the Capital Improvements Program.

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