Milwaukee, City	Last Updated: Reporting For 5/26/2017 2016
Financial Management	
Provider of Financial Information     Name:	
Nader Jaber Telephone: (414) 286-0514	(XXX) XXX-XXXX
E-Mail Address (optional): njaber@milwaukee.gov	
<ul> <li>2. Treatment Works Operating Revenues</li> <li>2.1 Are User Charges or other revenues sufficient to cover O&amp;N treatment plant AND/OR collection system?</li> <li>Yes (0 points)</li> <li>No (40 points)</li> <li>If No, please explain:</li> </ul>	A expenses for your wastewater
<ul> <li>2.2 When was the User Charge System or other revenue source Year:  2016  O-2 years ago (0 points)  N/A (private facility)  3. Did you have a special account (e.g., CWFP required segreg financial resources available for repairing or replacing equipment plant and/or collection system?  Yes (0 points)  No (40 points)</li> </ul>	gated Replacement Fund, etc.) or
REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL	COMPLETE QUESTION 3]
<ul> <li>3. Equipment Replacement Funds</li> <li>3.1 When was the Equipment Replacement Fund last reviewed Year:  2016  1-2 years ago (0 points)  N/A  If N/A, please explain:  3.2 Equipment Replacement Fund Activity</li> <li>3.2.1 Ending Balance Reported on Last Year's CMAR</li> <li>3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)</li> <li>3.2.3 Adjusted January 1st Beginning Balance</li> <li>3.2.4 Additions to Fund (e.g. portion of User Fee,</li> </ul>	\$ 300,000.00 \$ 0.00 \$ 300,000.00
earned interest, etc.) +	\$ 735,607.00

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3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*)  3.2.6 Ending Balance as of December 31st for CMAR	735,607.0	_	
Reporting Year  All Sources: This ending balance should include all Equipment Replacement Funds whether held in a bank account(s), certificate(s) of deposit, etc.	300,000.0	<u> </u>	
3.2.6.1 Indicate adjustments, equipment purchases, and/or major repairs	s from 3.2.5 ab	ove.	
1) Rehab and/or repair pumps and generators and 2) Purchase of sewer safety equipment: confined space safety harness, jet nozzles, gas monit vac-jet, small dumps and two vehicles.			<b>.</b>
3.3 What amount should be in your Replacement Fund? \$ 300,0	00.00		,
Please note: If you had a CWFP loan, this amount was originally based or Assistance Agreement (FAA) and should be regularly updated as needed. instructions and an example can be found by clicking the SectionInstruction header in the left-side menu.  3.3.1 Is the December 31 Ending Balance in your Replacement Fund above greater than the amount that should be in it (#3.3)?  • Yes  • No  If No, please explain.	Further calculations link under	Info	
<ul> <li>4. Future Planning</li> <li>4.1 During the next ten years, will you be involved in formal planning for user or new construction of your treatment facility or collection system?</li> <li>Yes - If Yes, please provide major project information, if not already lise</li> <li>No</li> </ul>		abilitating,	
Project Project Description #		pproximate onstruction Year	
The City of Milwaukee has an ongoing sewer replacement program. From 2016 to 2021, our six year Capital Improvement Program is \$193,000,000. This amount is for replacement of the City's combined, sanitary and storm sewers. Of that amount, approximately \$7,000,000 is budgeted for the sanitary sewer system rehabilitation each year.	7,000,000	2016	
5. Financial Management General Comments	<u> </u>		
The City's budget is based on the calendar year, Jan 1st to Dec 31st.			
ENERGY EFFICIENCY AND USE			
<ul><li>6. Collection System</li><li>6.1 Energy Usage</li><li>6.1.1 Enter the monthly energy usage from the different energy sources:</li></ul>			
COLLECTION SYSTEM PUMPAGE: Total Power Consumed			
Number of Municipally Owned Pump/Lift Stations: 90			

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1	Electricity Consumed (kWh)	Natural Gas Consumed (therms)	
January	27,025	4	
February	24,081	3	
March	20,946	22	
April	20,391	3	
May	15,572	7	
June	14,746	4	
July	13,919	3	
August	13,869	4	
September	14,468	2	
October	14,960	2	
November	15,025	6	
December	22,731	8	
Total	217,733	68	
Average	18,144	6	
☐ Pneumation ☐ SCADA Sy☐ Self-Primit ☐ Submersi	ystem ing Pumps		
☐ Variable S			
	eater.		
☑ Other:			
Other:			

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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 monitorings result in early identification of unexpected increases in energy usage, which can be investigated and corrected immediately.
- b. Annual pump rehabilitation project replaces old equipment with new potentially more energy efficient equipment.

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

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### Sanitary Sewer Collection Systems

1. Capacity, Management, Operation, and Maintenance (CMOM) Program
<ul><li>1.1 Do you have a CMOM program that is being implemented?</li><li>◆ Yes</li></ul>
o No
If No, explain:
The free oxplain.
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
o No (30 points)
o N/A
If No or N/A, explain:
1.2. Doos your CMOM program contain the following components and items? (check the
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 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.
Did you accomplish them?
• Yes
o 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) 1995-09-27
Does your sewer use ordinance or other legally binding document address the following:     Does your sewer use ordinance or other legally binding document address the following:
☑ 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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information for O&I  A description of ro  Capacity assessme Basement back as  Regular O&M train  Design and Performation  What standards and pathe sewer collection syproperty?	M activities, investigation outine operation and main ent program sessment and correction ling ance Provisions [NR 210.2 procedures are established ystem, including building ode, DNR NR 110 Standard	tenance activities (see question 2 below)	
	olitan Sewerage District G	uidelines	
□ Overflow Emergency     □ Does your emergency     □ Responsible person     □ Response order, ti     □ Public notification     □ Training     □ Emergency operat     □ Annual Self-Auditing     □ Special Studies Last     □ Infiltration/Inflow     □ Sewer System Eval	Response Plan [NR 210. response capability incluinnel communication processing and clean-up protocols ion protocols and implem yof your CMOM Program   Year (check only those the (I/I) Analysis aluation Survey (SSES) and Capacity Managment	23 (4) (f)] de: edures  entation procedures [NR 210.23 (5)] nat apply):	0
	ewer collection system m	aintenance program include the following and indicate the amount maintained.  % of system/year  % of system/year  % of system/year  % of system/year  % of system/year	
Manhole	10	70 Of System year	
inspections	18.42	% of system/year	
Lift station O&M Manhole	12	# per L.S./year	
rehabilitation	2.86	% of manholes rehabbed	
Mainline rehabilitation	1.89	% of sewer lines rehabbed	
Private sewer inspections	0	% of system/year	

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Private sewer I/I o % of private services	
River or water crossings 0 % 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.  29.29 Total actual amount of precipitation last year in inches  34.76 Annual average precipitation (for your location)  945 Miles of sanitary sewer  7 Number of lift stations  1 Number of sewer pipe failures	
Number of basement backup occurrences  1442 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:  0.14 Lift station failures (failures/year)  0.00 Sewer pipe failures (pipe failures/sewer mile/yr)  0.01 Sanitary sewer overflows (number/sewer mile/yr)  0.02 Basement backups (number/sewer mile)  1.53 Complaints (number/sewer mile)  Peaking factor ratio (Peak Monthly: Annual Daily Avg)  Peaking factor ratio (Peak Hourly: Annual Daily Avg)	
A. Overflows	

#### 4. Overflows

	LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OFERFLOWS REPORTED **				
	Date Location		Cause	Estimated Volume (MG)	
0		Permit No. 239 Overflow structure on West Potomoc Ave and 350 feet northwest of W. Glendale Avenue	Plugged Sewer	0.0653 - 0.0653	
1		Manhole approx 160 feet east of the intersection of N Gordon Place and E Concordia Avenue	Plugged Sewer	0.0007 - 0.0007	
2	06/03/2016 3:45:00 AM - 06/03/2016 8:00:00 AM	Manhole #318A0005, approximately 1000 feet northeast of the intersection of N. Lincoln Memorial Dr and E. Belleview Place	Equipment Failure	0.0085 - 0.0085	
3	06/03/2016 3:45:00 AM - 06/03/2016 8:00:00 AM	Sanitary Manhole #318A0002, approx 400 feet northeast of the intersection of N. Lincoln Memorial Dr and E. Belleview Place	Equipment Failure	0.0086 - 0.0086	
4	06/03/2016 3:45:00 AM - 06/03/2016 8:00:00 AM	Sanitary Manhole #318A0004, approx. 800 feet northeast of the intersection of N. Lincoln Memorial Dr and E. Belleview Place.	Equipment Failure	0.0086 - 0.0086	

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5 09/07/2016 5:30:00 PM - Permanent Overflow structure, Permit No.074, at S Rain 0.0782 - 0.0
** 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 occurences 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.
<ul> <li>5. Infiltration / Inflow (I/I)</li> <li>5.1 Was infiltration/inflow (I/I) significant in your community last year?</li> <li>O Yes</li> <li>No</li> <li>If Yes, please describe:</li> </ul>
<ul> <li>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?</li> <li>Yes</li> <li>No</li> <li>If Yes, please describe:</li> </ul>
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	Α

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#### **Grading Summary**

WPDES No: 0047341

SECTIONS	LETTER GRADE	GRADE POINTS	WEIGHTING FACTORS	SECTION POINTS
Financial	А	4	1	4
Collection	А	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:		
Date of Resolution or Action Taken:		
Resolution Number:		
Date of Submittal:		
ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELA SECTIONS (Optional for grade A or B. Required for grade C, D, or Financial Management: Grade = A		C CMAR
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 RELAGRADE POINT AVERAGE AND ANY GENERAL COMMENTS (Optional for G.P.A. greater than or equal to 3.00, required for G.P.A. les G.P.A. = 4.00		ERALL