

# COMPLIANCE MAINTENANCE ANNUAL REPORT

Facility Name: Milwaukee City

Last Updated:  
6/30/2006

Reporting Year: 2005

## Financial Management

	Questions	Points												
1.	Person Providing This Financial Information <hr/> Name: <input style="width: 60%;" type="text" value="Nader Jaber"/> Telephone: <input style="width: 60%;" type="text" value="(414) 286-0514"/> E-Mail Address(optional): <input style="width: 60%;" type="text" value="njaber@mpw.net"/>													
2.	Are User Charge or other Revenues sufficient to cover O&M Expenses for your wastewater treatment plant AND/OR collection system ?  <input checked="" type="radio"/> Yes (0 points) <input type="radio"/> No (40 points) If No, please explain: <input style="width: 60%; height: 20px;" type="text"/>	0												
3.	When was the User Charge System or other revenue source(s) last reviewed and/or revised? Year: 2004  <input checked="" type="radio"/> 0-2 years ago (0 points) <input type="radio"/> 3 or more years ago (20 points) <input type="radio"/> Not Applicable (Private Facility)	0												
4.	Did you have a special account (e.g., CWFPP required segregated Replacement Fund, etc.) or financial resources available for repairing or replacing equipment for your wastewater treatment plant and/or collection system?  <input checked="" type="radio"/> Yes <input type="radio"/> No (40 points)	0												
<b>REPLACEMENT FUNDS(PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 5)</b>														
5.	Equipment Replacement Funds <hr/> 5.1 When was the Equipment Replacement Fund last reviewed and/or revised? Year: 2004  <input checked="" type="radio"/> 1-2 years ago (0 points) <input type="radio"/> 3 or more years ago (20 points) <input type="radio"/> Not Applicable Explain: <input style="width: 60%; height: 20px;" type="text"/>	0												
5.2 Equipment Replacement Fund Activity														
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">5.2.1 Ending Balance Reported on Last Year's CMAR:</td> <td style="width: 5%;"></td> <td style="width: 15%; text-align: right;">\$0.00</td> </tr> <tr> <td>5.2.2 Adjustments if necessary (e.g., earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)</td> <td style="text-align: center;">+</td> <td style="text-align: right;">\$0.00</td> </tr> <tr> <td>5.2.3 Adjusted January 1st Beginning Balance</td> <td></td> <td style="text-align: right;">\$0.00</td> </tr> <tr> <td>5.2.4 Additions to Fund (e.g., portion of User Fee, earned interest, etc.)</td> <td style="text-align: center;">+</td> <td style="text-align: right;">\$870,800.00</td> </tr> </table>	5.2.1 Ending Balance Reported on Last Year's CMAR:		\$0.00	5.2.2 Adjustments if necessary (e.g., earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)	+	\$0.00	5.2.3 Adjusted January 1st Beginning Balance		\$0.00	5.2.4 Additions to Fund (e.g., portion of User Fee, earned interest, etc.)	+	\$870,800.00	
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Financial Management (Continued)

	<p><b>5.2.5</b> Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 5.2.5.1 below*.) <span style="float: right;">\$870,800.00</span></p> <p><b>5.2.6</b> Ending Balance as of December 31st for CMAR Reporting Year <span style="float: right;">\$0.00</span></p> <p>(All Sources: This ending balance should include all Equipment Replacement Funds whether held in a bank account(s), certificate(s) of deposit, etc.)</p> <p>*5.2.5.1. Indicate adjustments, equipment purchases and/or major repairs from 5.2.5 above</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>In 2005, the City of Milwaukee budgeted \$569,800 for equipment replacement (vac-cons, dump trucks, etc.), and \$301,000 for sanitary bypass pump rehabilitation.</p> </div>							
	<p>5.3 What is the minimum required replacement fund balance? (If you had a CWFP loan, this balance was originally based on the Financial Assistance Agreement (FAA) and should have been updated in subsequent years.) <span style="float: right;">\$1.00</span></p>							
	<p>5.3.1 Is the Dec. 31 Ending Balance equal to or greater than the minimum required replacement fund balance (#5.3)?</p> <p><input type="radio"/> Yes</p> <p><input checked="" type="radio"/> No Explain:</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>Not applicable. The City of Milwaukee does not have a fund for equipment replacement. Rather, equipment replacement is budgeted for on an annual basis as part of our annual O&amp;M budget.</p> </div>							
<b>6.</b>	<b>Future Planning</b>							
	<p>6.1 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?</p> <p><input checked="" type="radio"/> Yes (If yes, please provide major project information)</p> <p><input type="radio"/> No</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 60%;">Project Description</th> <th style="width: 20%;">Estimated Cost</th> <th style="width: 20%;">Approximate Construction Year</th> </tr> </thead> <tbody> <tr> <td>The City of Milwaukee has an ongoing sewer replacement program. From 2006 to 2011, our six year capital Improvement Program is \$175.5 million. This amount is for replacement of the City's combined, sanitary and storm sewers. Of that amount, approximately \$3,800,000 is budgeted for the sanitary sewer system rehabilitation each year.</td> <td style="text-align: center;">\$3,800,000.00</td> <td style="text-align: center;">2006</td> </tr> </tbody> </table>	Project Description	Estimated Cost	Approximate Construction Year	The City of Milwaukee has an ongoing sewer replacement program. From 2006 to 2011, our six year capital Improvement Program is \$175.5 million. This amount is for replacement of the City's combined, sanitary and storm sewers. Of that amount, approximately \$3,800,000 is budgeted for the sanitary sewer system rehabilitation each year.	\$3,800,000.00	2006	
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<b>7.</b>	<b>Financial Management General Comments:</b>							
	<div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>The City's budget is based upon the calendar year (January 1st to December 31st)</p> </div>							

# COMPLIANCE MAINTENANCE ANNUAL REPORT

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Financial Management (Continued)

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

# COMPLIANCE MAINTENANCE ANNUAL REPORT

Facility Name: Milwaukee City

Last Updated:  
7/3/2006

Reporting Year: 2005

## Sanitary Sewer Collection Systems

	Questions	Points
1.	<p>Do you have a Capacity, Management, Operation &amp; Maintenance (CMOM) requirement in your WPDES permit?</p> <p style="margin-left: 40px;"> <input type="radio"/> Yes  <input checked="" type="radio"/> No                 </p>	
2.	<p>Did you have a <u>documented</u> (written records/files, computer files, video tapes, etc.) sanitary sewer collection system operation &amp; maintenance or CMOM program last calendar year?</p> <p style="margin-left: 40px;"> <input checked="" type="radio"/> Yes (go to question 3)  <input type="radio"/> No (30 points) (go to question 4)                 </p>	0
3.	<p>Check the elements listed below that are included in your Operation and Maintenance (O&amp;M) or CMOM program.:</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> <b>Goals:</b> specific identification of major goals of your O&amp;M/CMOM program such as I/I reduction, basement backup and SSO reductions, repair and rehabilitation of sewers, system cleaning and monitoring, etc.</li> <li><input checked="" type="checkbox"/> <b>Organization:</b> identification of those managers and persons who are responsible for implementing your O&amp;M/CMOM program and reporting sanitary sewer overflows</li> <li><input checked="" type="checkbox"/> <b>Legal Authority:</b> sufficient authority, through sewer use ordinances, service agreements or other legally binding documents to control infiltration/inflow sources, proper design, construction, inspection and testing of new and rehabilitated sewers and laterals and address flows from satellite collection systems, if present.</li> <li><input checked="" type="checkbox"/> <b>Maintenance Activities:</b> routine preventative O&amp;M activities, including adequate maintenance of facilities and equipment. By the use of: sewer system monitoring; inspections; a system to identify infiltration/inflow sources (including private property); a system for replacement part inventories; control of fat, oil &amp; grease; employee training program; and a management system for the collection and use of information to establish O&amp;M priorities</li> <li><input checked="" type="checkbox"/> <b>Design and Performance Standards:</b> establish requirements and standards for design, installation and inspection of new sewers, service laterals, pump stations and sewer rehabilitation projects.</li> <li><input checked="" type="checkbox"/> <b>Overflow Emergency Response Plan:</b> documented procedures for responding to SSOs, power outages, lift station failures sewer blockages or any other similar events of an emergency nature.</li> <li><input type="checkbox"/> <b>Capacity Assurance:</b> a program to assess the current capacity of the collection system to identify problems or bottlenecks ; and if required, a System Evaluation and Capacity Assurance Plan (SECAP).</li> <li><input type="checkbox"/> <b>Annual Self-Auditing of your O&amp;M/CMOM Program</b> to ensure above components are being implemented, evaluated, and re-prioritized as needed.</li> <li><input checked="" type="checkbox"/> <b>Special Studies (if applicable):</b> any special studies undertaken such as I/I Analysis, Sewer System Evaluation Surveys (SSES),   or sewer pipe studies. Please list the study reports of the last year below:</li> </ul>	

# COMPLIANCE MAINTENANCE ANNUAL REPORT

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7/3/2006**

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Sanitary Sewer Collection Systems (Continued)

	<p>In 2005, the City of Milwaukee, per an MMSD grant, conducted a study to determine the amount of I/I in sanitary sewers near stormwater detention facilities. A copy of this study's report was submitted to WDNR as part of our "2005 Municipal Stormwater Permit Annual Report." Additionally, in 2005 we started a project to study the affects of disconnecting foundation drains in a sanitary sewer system. Flow monitors were installed to obtain pre-disconnection flow amounts. In the summer 2006, we are planning to award a contract to perform the disconnections and upon completion, post-disconnection flow monitoring will continue. A report of the findings will be prepared in late 2006.</p>																															
<b>4.</b>	<p>Did your sanitary sewer collection system maintenance program include the following maintenance activities? Complete all that apply and indicate the amount maintained:</p>																															
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Cleaning</td> <td style="width: 10%; text-align: center;"><input style="width: 50px;" type="text" value="38.6"/></td> <td style="width: 60%;">% of system/year</td> </tr> <tr> <td>Root Removal</td> <td style="text-align: center;"><input style="width: 50px;" type="text" value="10"/></td> <td>% of system/year</td> </tr> <tr> <td>Flow Monitoring</td> <td style="text-align: center;"><input style="width: 50px;" type="text" value="9.2"/></td> <td>% of system/year</td> </tr> <tr> <td>Smoke Testing</td> <td style="text-align: center;"><input style="width: 50px;" type="text" value="4.8"/></td> <td>% of system/year</td> </tr> <tr> <td>Sewer Line Televising</td> <td style="text-align: center;"><input style="width: 50px;" type="text" value="23.3"/></td> <td>% of system/year</td> </tr> <tr> <td>Manhole Inspections</td> <td style="text-align: center;"><input style="width: 50px;" type="text" value="3.9"/></td> <td>% of system/year</td> </tr> <tr> <td>Lift Station O&amp;M</td> <td style="text-align: center;"><input style="width: 50px;" type="text" value="12"/></td> <td># per L.S./year</td> </tr> <tr> <td>Manhole Rehabilitation</td> <td style="text-align: center;"><input style="width: 50px;" type="text" value="3.7"/></td> <td>% of manholes rehabed</td> </tr> <tr> <td>Mainline Rehabilitation</td> <td style="text-align: center;"><input style="width: 50px;" type="text" value="0.43"/></td> <td>% of sewer lines rehabed</td> </tr> <tr> <td>Private Sewer Inspections</td> <td style="text-align: center;"><input style="width: 50px;" type="text" value="0"/></td> <td>% of system/year</td> </tr> </table>	Cleaning	<input style="width: 50px;" type="text" value="38.6"/>	% of system/year	Root Removal	<input style="width: 50px;" type="text" value="10"/>	% of system/year	Flow Monitoring	<input style="width: 50px;" type="text" value="9.2"/>	% of system/year	Smoke Testing	<input style="width: 50px;" type="text" value="4.8"/>	% of system/year	Sewer Line Televising	<input style="width: 50px;" type="text" value="23.3"/>	% of system/year	Manhole Inspections	<input style="width: 50px;" type="text" value="3.9"/>	% of system/year	Lift Station O&M	<input style="width: 50px;" type="text" value="12"/>	# per L.S./year	Manhole Rehabilitation	<input style="width: 50px;" type="text" value="3.7"/>	% of manholes rehabed	Mainline Rehabilitation	<input style="width: 50px;" type="text" value="0.43"/>	% of sewer lines rehabed	Private Sewer Inspections	<input style="width: 50px;" type="text" value="0"/>	% of system/year	
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**Sanitary Sewer Collection Systems (Continued)**

	Private Sewer I/I Removal	0	% of private services	
	Please include additional comments about your sanitary sewer collection system below:			
	The City of Milwaukee has a separate sanitary sewer collection system and a combined sewer collection system. The information provided above relates only to work performed in the sanitary sewer system.			
5.	Provide the following collection system and flow information for the past year:			70
	25.75	Total Actual Amount of Precipitation Last Year		
	34	Annual Average Precipitation (for your location)		
	935	Miles of Sanitary Sewer		
	5	Number of Lift Stations		
	0	Number of Lift Station Failure		
	0	Number of Sewer Pipe Failures		
	7	Number of Sanitary Sewer OverFlow (SSO) Occurrences:(10 points per occurrence)		
	45	Number of Basement Backup Occurrences		
	1698	Number of Complaints		
		Average Daily Flow in MGD		
		Peak Monthly Flow in MGD(if available)		
		Peak Hourly Flow in MGD(if available)		
	<b>PERFORMANCE INDICATORS</b>			
	0.00	Lift Station Failures(failures/ps/year)		
	0.00	Sewer Pipe Failures(pipe failures/sewer mile/yr)		

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Sanitary Sewer Collection Systems (Continued)

	0.01	Sanitary Sewer Overflows (number/sewer mile/yr)	
	0.05	Basement Backups(number/sewer mile)	
	1.82	Complaints (number/sewer mile)	
	[ ]	Peaking Factor Ratio (Peak Monthly:Annual Daily Average)	
	[ ]	Peaking Factor Ratio(Peak Hourly:Annual daily Average)	
6.	Was infiltration/inflow(I/I) significant in your community last year?		
	<input type="radio"/> Yes <input checked="" type="radio"/> No If Yes, please describe: [ ]		
7.	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?		
	<input type="radio"/> Yes <input checked="" type="radio"/> No If Yes, please describe: [ ]		
8.	Explain any infiltration/inflow(I/I) changes this year from previous years?		
	[ ]		
9.	What is being done to address infiltration/inflow in your collection system?		
	1- A flow monitoring program. 2- A manhole inspection program. 3- A manhole rehabilitation program. 4- Working closely with MMSD <del>to</del> their CMOM and 2020 facilities plans. <i>on</i>		

Total Points Generated	70
Score (100 - Total Points Generated)	30
Section Grade	F

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WPDES No.0047341

GRADING SUMMARY				
SECTION	LETTER GRADE	GRADE POINTS	WEIGHTING FACTORS	SECTION POINTS
Financial Management	A	4.0	1	4
Collection Systems	F	0.0	3	0
TOTALS			4	4
GRADE POINT AVERAGE(GPA)=1.00		1.00		

Notes:

A = Voluntary Range

B = Voluntary Range

C = Recommendation Range (Response Required)

D = Action Range (Response Required)

F = Action Range (Response Required)