

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 |
| REPLACEMENT FUNDS(PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 5) | | |
| 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 | | |
| | 5.2.1 Ending Balance Reported on Last Year's CMAR: \$0.00 5.2.2 <i>Adjustments</i> + \$0.00 if necessary (e.g., earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.) 5.2.3 Adjusted January 1st Beginning Balance \$0.00 5.2.4 <i>Additions</i> to Fund (e.g., portion of User Fee, earned interest, etc.) + \$870,800.00 | |

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Financial Management (Continued)

| | <p>5.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 5.2.5.1 below*.) \$870,800.00</p> <p>5.2.6 Ending Balance as of December 31st for CMAR Reporting Year \$0.00</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.) \$1.00</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&M budget.</p> </div> | | | | | | | |
| 6. | Future Planning | | | | | | | |
| | <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 | |
| 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 | | | | | | |
| 7. | Financial Management General Comments: | | | | | | | |
| | <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

Facility Name: Milwaukee City

Last Updated:
6/30/2006

Reporting Year: 2005

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 & 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 & 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&M) or CMOM program.:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Goals: specific identification of major goals of your O&M/CMOM program such as I/I reduction, basement backup and SSO reductions, repair and rehabilitation of sewers, system cleaning and monitoring, etc. <input checked="" type="checkbox"/> Organization: identification of those managers and persons who are responsible for implementing your O&M/CMOM program and reporting sanitary sewer overflows <input checked="" type="checkbox"/> Legal Authority: 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. <input checked="" type="checkbox"/> Maintenance Activities: routine preventative O&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 & grease; employee training program; and a management system for the collection and use of information to establish O&M priorities <input checked="" type="checkbox"/> Design and Performance Standards: establish requirements and standards for design, installation and inspection of new sewers, service laterals, pump stations and sewer rehabilitation projects. <input checked="" type="checkbox"/> Overflow Emergency Response Plan: documented procedures for responding to SSOs, power outages, lift station failures sewer blockages or any other similar events of an emergency nature. <input type="checkbox"/> Capacity Assurance: 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). <input type="checkbox"/> Annual Self-Auditing of your O&M/CMOM Program to ensure above components are being implemented, evaluated, and re-prioritized as needed. <input checked="" type="checkbox"/> Special Studies (if applicable): 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: | |

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Facility Name: Milwaukee City

**Last Updated:
7/3/2006**

Reporting Year: 2005

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> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. | <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&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 | |
| 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) | | |
| | PERFORMANCE INDICATORS | | | |
| | 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 to 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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Facility Name: Milwaukee City

Last Updated:

Reporting Year: 2005

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)