

# COMPLIANCE MAINTENANCE ANNUAL REPORT

Facility Name: Madison City

Last Updated:  
5/23/2007

Reporting Year: 2006

## Financial Management

	Questions	Points												
1.	Person Providing This Financial Information													
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Name:</td> <td style="border: 1px solid black; padding: 2px;">Steve Danner-Rivers</td> </tr> <tr> <td>Telephone:</td> <td style="border: 1px solid black; padding: 2px;">(608) 261-9689</td> </tr> <tr> <td>E-Mail Address(optional):</td> <td style="border: 1px solid black; padding: 2px;">sdannerrivers@cityofmadison.com</td> </tr> </table>	Name:	Steve Danner-Rivers	Telephone:	(608) 261-9689	E-Mail Address(optional):	sdannerrivers@cityofmadison.com							
Name:	Steve Danner-Rivers													
Telephone:	(608) 261-9689													
E-Mail Address(optional):	sdannerrivers@cityofmadison.com													
2.	Are User Charge or other Revenues sufficient to cover O&M Expenses for your wastewater treatment plant AND/OR collection system ?	0												
	<p style="margin-left: 40px;"> <input checked="" type="radio"/> Yes (0 points)  <input type="radio"/> No (40 points)                 </p> <p>If No, please explain:</p> <div style="border: 1px solid black; height: 20px; width: 60%; margin-left: 40px;"></div>													
3.	When was the User Charge System or other revenue source(s) last reviewed and/or revised? Year: 2006	0												
	<p style="margin-left: 40px;"> <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)                 </p>													
4.	Did you have a special account (e.g., CWFP required segregated Replacement Fund, etc.) or financial resources available for repairing or replacing equipment for your wastewater treatment plant and/or collection system?	0												
	<p style="margin-left: 40px;"> <input checked="" type="radio"/> Yes  <input type="radio"/> No (40 points)                 </p>													
<b>REPLACEMENT FUNDS(PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 5)</b>														
5.	Equipment Replacement Funds													
	5.1 When was the Equipment Replacement Fund last reviewed and/or revised? Year: 2006	0												
	<p style="margin-left: 40px;"> <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:                 </p> <div style="border: 1px solid black; height: 20px; width: 60%; margin-left: 40px;"></div>													
	5.2 What amount is in your Replacement Fund?													
<b>Equipment Replacement Fund Activity</b>														
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"><b>5.2.1 Ending Balance Reported on Last Year's CMAR:</b></td> <td style="width: 10%;"></td> <td style="width: 30%; text-align: right;">\$75,000.00</td> </tr> <tr> <td><b>5.2.2 Adjustments</b></td> <td style="text-align: center;">+</td> <td style="text-align: right;">\$0.00</td> </tr> <tr> <td colspan="3" style="font-size: small;">if necessary (e.g., earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)</td> </tr> <tr> <td><b>5.2.3 Adjusted January 1st Beginning Balance</b></td> <td></td> <td style="text-align: right;">\$75,000.00</td> </tr> </table>	<b>5.2.1 Ending Balance Reported on Last Year's CMAR:</b>		\$75,000.00	<b>5.2.2 Adjustments</b>	+	\$0.00	if necessary (e.g., earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)			<b>5.2.3 Adjusted January 1st Beginning Balance</b>		\$75,000.00	
<b>5.2.1 Ending Balance Reported on Last Year's CMAR:</b>		\$75,000.00												
<b>5.2.2 Adjustments</b>	+	\$0.00												
if necessary (e.g., earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)														
<b>5.2.3 Adjusted January 1st Beginning Balance</b>		\$75,000.00												

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Financial Management (Continued)

	<b>5.2.4 Additions</b> to Fund (e.g., portion of User Fee, earned interest, etc.)	+	\$0.00
	<b>5.2.5 Subtractions</b> from Fund (e.g., equipment replacement, major repairs - use description box 5.2.5.1 below*)	-	\$0.00
	<b>5.2.6 Ending Balance as of December 31st for CMAR Reporting Year</b>		\$75,000.00
(All Sources: This ending balance should include all Equipment Replacement Funds whether held in a bank account(s), certificate(s) of deposit, etc.)			
*5.2.5.1. Indicate adjustments, equipment purchases and/or major repairs from 5.2.5 above			
<input style="width: 100%; height: 20px;" type="text"/>			

	<b>5.3 What amount should be in your replacement fund?</b>		\$0.00
(If you had a CWFP 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 HELP option button.)			

	<b>5.3.1 Is the Dec. 31 Ending Balance in your Replacement Fund above (#5.2.6) equal to or greater than the amount that should be in it(#5.3)?</b>		
	<input checked="" type="radio"/> Yes		
	<input type="radio"/> No Explain:		
<input style="width: 100%; height: 20px;" type="text"/>			

**6. Future Planning**

	<b>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?</b>		
	<input checked="" type="radio"/> Yes (If yes, please provide major project information, if not already listed below)		
	<input type="radio"/> No		

Project Description	Estimated Cost	Approximate Construction Year
State Street Replacements: The project began in 2004 and continues through 2008. The next phase of the project calls for replacement in the 500 to 600 blocks.	\$400,000.00	2008
Additions to Collection System: Construction of assessable sewer facilities for new development. Potential projects include the Siggelkow Road Proposed Plat (design and acquisitions in 2007, construction 2008); future phases of the Center for Industry & Commerce Plat (\$100,000); the Elderberry Neighborhood Extension (\$375,000) and/or the Pumpkin Hollow Sewer Interceptor Extension (\$375,000).	\$2,450,000.00	
Improvement to Sewer Study Areas: Continuing work on I/I problems in specific areas. The major project is the sewer line relining and manhole rehabilitation in the Truax area to reduce clear water inflow and infiltration.	\$525,000.00	2007
Sewer with Reconstructed Streets: Replacement of older, problematic sanitary sewers in conjunction with street reconstruction projects and street resurfacing. Sewers beneath resurfaced streets are evaluated for replacement on a case-by-case basis. The estimated cost includes projects from 2007 to 2012	\$28,500,000.00	

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Financial Management (Continued)

	<p>Hoard Area Sewer Replacements: This is for Phase 4. Included streets are E Johnson from North Lawn to E Washington, E Washington from E Johnson to Oak, Oak from E Washington to Hoard, and Hoard from Oak to Street End. Project to be executed in 2008 and 2010.</p>	\$650,000.00		
	<p>E. Washington Ave. Sanitary Sewer Replacement: Replacement of existing, aged sanitary sewer facilities in the East Washington Avenue street right-of-way and some adjoining side streets, in conjunction with a proposed major street reconstruction project, over several years. Construction will start in 2007. Subsequent phases are preliminarily identified in future years. Cost estimates shall be refined in future budgets as engineering work progresses.</p>	\$2,200,000.00		
	<p>Felland Area Sewer Extension to Nelson Rd: Extension of sanitary sewer service north of the Felland Neighborhood and to Nelson Road. This shall provide service to the developing area north of Burke Road and both east and west of Felland. This will also relieve the Nelson Road Lift Station which is nearing capacity. Design and acquisition began in 2006 with construction in 2007.</p>	\$475,000.00	2007	
	<p>Lower Badger Mill Creek Sewer Extension: Extension of sanitary sewer service to the Lower Badger Mill Creek Watershed, from a proposed lift station at Mid Town Road to just north of Mineral Point Road. Final plans were completed in 2006 and easement acquisitions were begun. Lift Station design will occur in 2007, along with establishment of an Impact Fee District. This shall be followed by construction in 2007.</p>	\$2,975,000.00	2007	
7.	Financial Management General Comments:			
	<div style="border: 1px solid black; padding: 10px;"> <p>Annually the City of Madison adopts a Capital Budget, which funds the equipment replacement and other infrastructure improvements and lists them in a project format. Each project is reviewed and the funding amount for the current budget year is determined. In addition, the budget details future year estimates for the five subsequent years for each project.</p> </div>			

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

# COMPLIANCE MAINTENANCE ANNUAL REPORT

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## Sanitary Sewer Collection Systems

	Questions	Points
1.	Do you have a Capacity, Management, Operation & Maintenance(CMOM) requirement in your WPDES permit?	
	<input type="radio"/> Yes <input checked="" type="radio"/> No	
2.	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?	0
	<input checked="" type="radio"/> Yes (go to question 3) <input type="radio"/> No (30 points) (go to question 4)	
3.	Check the elements listed below that are included in your Operation and Maintenance (O&M) or CMOM program.:	
	<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 checked="" 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>	
	The City of Madison has commissioned the following I/I studies: Truax Area (2004), Midvale Boulevard and University Avenue (2003), pump stations 9, 12 and 16 basins (1999 in conjunction with MMSD), Baldwin Street and Elizabeth Street Area (1998) and Hoard Street and Kedzie Street Area (1997).	

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Sanitary Sewer Collection Systems (Continued)

<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>	
	<p>Cleaning <span style="float: right;"><input style="width: 60px;" type="text" value="54.03"/> % of system/year</span></p> <p>Root Removal <span style="float: right;"><input style="width: 60px;" type="text" value="2.69"/> % of system/year</span></p> <p>Flow Monitoring <span style="float: right;"><input style="width: 60px;" type="text" value="0"/> % of system/year</span></p> <p>Smoke Testing <span style="float: right;"><input style="width: 60px;" type="text" value="0"/> % of system/year</span></p> <p>Sewer Line Televising <span style="float: right;"><input style="width: 60px;" type="text" value="3.70"/> % of system/year</span></p> <p>Manhole Inspections <span style="float: right;"><input style="width: 60px;" type="text" value="2.05"/> % of system/year</span></p> <p>Lift Station O&amp;M <span style="float: right;"><input style="width: 60px;" type="text" value="73.8"/> # per L.S./year</span></p> <p>Manhole Rehabilitation <span style="float: right;"><input style="width: 60px;" type="text" value="0.42"/> % of manholes rehabed</span></p> <p>Mainline Rehabilitation <span style="float: right;"><input style="width: 60px;" type="text" value="0.31"/> % of sewer lines rehabed</span></p> <p>Private Sewer Inspections <span style="float: right;"><input style="width: 60px;" type="text" value="0"/> % of system/year</span></p> <p>Private Sewer I/I Removal <span style="float: right;"><input style="width: 60px;" type="text" value="0"/> % of private services</span></p> <p>Please include additional comments about your sanitary sewer collection system below:</p> <div style="border: 1px solid black; height: 20px; width: 100%; margin-top: 5px;"></div>	
<b>5.</b>	<p>Provide the following collection system and flow information for the past year:</p>	0
	<p><input style="width: 60px;" type="text" value="36.74"/> Total Actual Amount of Precipitation Last Year</p> <p><input style="width: 60px;" type="text" value="30.9"/> Annual Average Precipitation (for your location)</p>	

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Sanitary Sewer Collection Systems (Continued)

	761.75	Miles of Sanitary Sewer
	29	Number of Lift Stations
	0	Number of Lift Station Failure
	0	Number of Sewer Pipe Failures
	0	Number of Sanitary Sewer OverFlow (SSO) Occurrences:(10 points per occurrence)
	46	Number of Basement Backup Occurrences
	56	Number of Complaints
	26.8	Average Daily Flow in MGD
	<input style="width: 80px; height: 20px;" type="text"/>	Peak Monthly Flow in MGD(if available)
	<input style="width: 80px; height: 20px;" type="text"/>	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)
	0.00	Sanitary Sewer Overflows (number/sewer mile/yr)
	0.06	Basement Backups(number/sewer mile)
	0.07	Complaints (number/sewer mile)
	0.0	Peaking Factor Ratio (Peak Monthly:Annual Daily Average)
	0.0	Peaking Factor Ratio(Peak Hourly:Annual daily Average)

6.	Was infiltration/inflow(I/I) significant in your community last year?	
	<p style="margin-left: 20px;"> <input type="radio"/> Yes  <input checked="" type="radio"/> No         </p> <p>If Yes, please describe:</p> <div style="border: 1px solid black; height: 20px; width: 600px; margin-left: 20px;"></div>	

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Sanitary Sewer Collection Systems (Continued)

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?	
	<p style="text-align: center;"> <input type="radio"/> Yes  <input checked="" type="radio"/> No                 </p> If Yes, please describe: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	
8.	Explain any infiltration/inflow(I/I) changes this year from previous years?	
	<div style="border: 1px solid black; height: 20px; width: 100%;"></div>	
9.	What is being done to address infiltration/inflow in your collection system?	
	<div style="border: 1px solid black; padding: 5px;">                     The City uses CCTV to inspect the condition of its sanitary mains and identify areas of inflow and infiltration. The City is adding a second CCTV unit which will allow us to inspect the entire system once every 10 years. CIPP lining, and reconstruction are used to address these problems. Chimney seals are installed in manholes in low areas. We are also looking to establish an annual contract for manhole rehab to waterproof structures.                 </div>	

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

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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	A	4.0	3	12
TOTALS			4	16
GRADE POINT AVERAGE(GPA)=4.00		4.00		

Notes:

A = Voluntary Range

B = Voluntary Range

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	
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):	
<b>Financial Management:</b> Grade=A	
<b>Collection Systems:</b> Grade=A	
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) <b>G.P.A. = 4.00</b>	