Facility Name: Madison City

Last Updated: Reporting Year: 2009
6/3/2010

Financial Management

	Questions			
1.	Person Providing This Financial Information			
	Name:	Steve Danner-Rivers		
	Telephone:	(608) 261-9689		
	E-Mail Address(optional):	sdannerrivers@cityofmadison.com		
2.	Are User Charge or other Re treatment plant AND/OR coll	evenues sufficient to cover O&M Expenses for your wastewater ection system?	0	
	● Yes (0 poin	ts)		
	O No (40 poir	ots)		
	If No, please explain:			
3.	When was the User Charge Year: 2009	System or other revenue source(s) last reviewed and/or revised?	0	
	• 0-2 years a	go (0 points)		
	l ′	years ago (20 points)		
	O Not Applicable (Private Facility)			
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?			
	● Yes			
	O No (40 points)			
	REPLACEMENT FUNDS(P	UBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 5)		
5.	Equipment Replacement Fur	nds		
	5.1 When was the Equipment Replacement Fund last reviewed and/or revised? Year: 2009			
	• 1-2 years a	go (0 points)		
		years ago (20 points)		
	O Not Applica	ble Explain:		
	5.2 What amount is in your Replacement Fund?			
	Equipment Replacement Fund Activity			
		ported on Last Year's CMAR: \$-1,152.99		
		+ \$0.00 rned interest, audit correction, withdrawal of se making up previous shortfall, etc.)		
	5.2.3 Adjusted January 1	,		

Facility Name: Madison City	Last Updated: 6/3/2010	Reporting Year: 2009
Financial Management (Continued)		
5.2.4 Additions to Fund (e.g., portion of User Fee, earned inter-	est, etc.) +	\$425,000.00
5.2.5 Subtractions from Fund (e.g., equipment replacement, managed - use description box 5.2.5.1 below*.)	ajor repairs -	\$303,985.06
5.2.6 Ending Balance as of December 31st for CMAR Repo	rting Year	\$119,861.95
(All Sources: This ending balance should include all Equipmen Funds whether held in a bank account(s), certificate(s) of depo		
*5.2.5.1. Indicate adjustments, equipment purchases and/or		5.2.5 above
Conclusion of the Gettle Ave Lift Station Rehab Project; R Woodley and Carroll Forcemain; New Pumps @ Atlas and		
5.3 What amount should be in your replacement fund? (If you had a CWFP loan, this amount was originally based on the (FAA) and should be regularly updated as needed. Further calculated be found by clicking the HELP option button.) 5.3.1 Is the Dec. 31 Ending Balance in your Replacement Fund at than the amount that should be in it(#5.3)? Yes No Explain:	llation instructions	and an example
6. Future Planning		
6.1 During the next ten years, will you be involved in formal plant or new construction of your treatment facility or collection system Yes (If yes, please provide major project inform O No	1?	-
Project Description	Estimated Cost	Approximate Construction Year
Additions to Collection System: This project is for construction of assessable sewer facilities for new development, including easement acquisition where applicable. Projects for 2010 include: Pleasant View Road (\$550,000) and NE Neighborhood Ph 2 (\$600,000). For 2011 or beyond: The Pumpkin Hollow Sewer Interceptor Extension (\$375,000); future phases of the Center for Industry & Commerce Plat and / or Interstate Commerce Park (\$100,000); and minor extensions to serve adjacent Town properties requesting sewer service and annexing to the City in accordance with Inter-governmental agreements (Bultman, Felland, Cottage Grove Road, Valley View Road). The award of contracts for work will require assurances that private development will occur. The Utilities costs will be recovered by impact fees and / or special assessments. Amount shown is the estimate for 2010-2015.		

ty Name: Madison City	Last Updated: 6/3/2010	Reporting Year: 20
cial Management (Continued)		
Infiltration & Inflow Improvements: This project is for the continuing work on Inflow and Infiltration problems in specific areas. Proposed projects for 2010 includes eliminating the I & sources to the Wright Street Pumping Station (\$35,000). and rehabilitation of sewer structures in the Truax Area (\$165,000). This budget item anticipates continuing work in future years as other problem areas are better defined and implementing a Sewer Access Structure (manhole) lining contract. New problem areas may require professional study. This item would also allow for consultant services if needed. The sewer along Starkweather Creek at Ivy Street is another identified problem sewer. Amount shown is the estimate for 2010-2015.		
Sewer with Reconstructed Streets: This project involves replacement of older, problematic sanitary sewers in coordination with the City's Pavement Management Program and the Madison Water Utility. The work provides for the replacement of 6 inch diameter clay sewers, which are difficult to maintain and sewers nearing the end of their service life or determined to have a significant repair cost. Since 1997, the Utility has encouraged residents to replace the portion of their sewer lateral that lies within the public right-of-way by offering to pay for 75% of the cost. All 6 inch mains under 'reconstruction' streets will be replaced. Sewers beneath resurfaced streets are evaluated for replacement on a case-by-case basis. Amount shown is the estimate for 2010-2015.		
Felland Area Sewer Extension to Nelson Rd: This project shall acquire necessary easements and extend sanitary sewer service to the North of the Felland Neighborhood, and to Nelson Road. This shall provide service to this 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 and precluding further development. In 2008 an Impact Fee District was established to recover the costs of this project. The cost recovery shall occur over time as development occurs with pro-rata payments indexed to the Construction Cost Index. The land acquisitions and construction of Phase 1 were completed in 2009. The land acquisition and construction for the final segment (Phase 2) was budgeted for 2009, but not fully completed.	\$1,400,000.00	2010
Lower Badger Mill Creek Sewer Extension: This project shall extend 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. Preliminary plans were completed in 2007, and property acquisitions were mostly completed in 2009. Lift station design was also completed in 2008. The Lift Station, forcemain and gravity main work along Mid Town Road is anticipated to be bid in late 2009. A small phase from Valley View to the Northeast shall also be bid in late 2009. This budget item is for remainder of the interceptor from Mid Town Road to the North, which may be broken into two installation phases. Amount shown is the estimate for 2010-2011.		

Facilit	y Name: Madison City	Last Updated: 6/3/2010	Reporting Year: 2009
Financ	ial Management (Continued)		
	Trenchless Sewer Rehabilitations: This project shall rehabilitat failing sewers that meet certain criteria that does not necessitate the need for a complete replacement by means of open cutting. New technology allows the lining of existing sewer mains using cameras and remote controlled tools. Som are also rehabilitated (or lined) to address inflow and infiltration problems, where clear water flow enters the sewer system reducing pipe capacity and increasing treatment costs. The amount budgeted shall repair approx 1.5 miles of sewer main a number of locations, strategically selected based on need cit wide. This item may also include replacement of inaccessible sewers by a 'direct bore' method, which is a relatively new technology for replacement of gravity sewer mains. Amount shown is the estimate for 2010-2015	e n	
	Allied Drive Redevelopment: This project is the second phase of the City redevelopment of the Allied neighborhood. Sewer i being added/replaced in this area.	\$265,000.00 s	2010
7.	Financial Management General Comments:		
	Annually the City of Madison adopts a Capital Budget where the replacement and other infrastructure improvements, listed project is reviewed and the funding amount for the curre addition, the budget details future year estimates for the project.	ed in a project format nt budget is determin	:. Each ned. In

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

Facility Name: Madison City

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Sanitary Sewer Collection Systems

		Questions	Points
1.	Do you ha WPDES p	ave a Capacity, Management, Operation & Maintenance(CMOM) requirement in your permit?	
		O Yes ● No	
2.		ave a documented (written records/files, computer files, video tapes, etc.) sanitary sewer system operation & maintenance or CMOM program last calendar year?	0
		Yes (go to question 3)No (30 points) (go to question 4)	
3.	Check the CMOM pr	e elements listed below that are included in your Operation and Maintenance (O&M) or ogram.:	
		Goals: Describe the specific goals you have for your collection system: Convey wastewater to Nine Springs Wastewater Treatment Plant with minimum inflow, infiltration and exfiltration. Prevent public health hazards. Reduce inconvinience and damage by responsibly handling service interruptions. Eliminate claim and legal fees related to backup by providign inmediate, cencerned and efficient service to all emergency calls. Protect municipal investment by increasing the useful life and capacity of the system and parts. Use operating funds eficiently. Perform all activities safely and avoid injury.	
		Organization: Do you have the following written organizational elements (check only those that you have): ☐ Ownership and governing body description ☐ Organizational chart ☐ Personnel and position descriptions ☐ Internal communication procedures	
		Public information and education program Legal Authority: Do you have the legal authority for the following (check only those that apply): Sewer use ordinance Last Revised MM/DD/YYYY 12/05/2005 Pretreatment/Industrial control Programs Fat, Oil and Grease control Illicit discharges (commercial, industrial) Private property clear water (sump pumps, roof or foundation drains, etc) Private lateral inspections/repairs	
		Service and management agreements Maintenance Activities: details in Question 4 Design and Performance Provisions: How do you ensure that your sewer system is designed and constructed properly? State plumbing code DNR NR 110 standards Local municipal code requirements Construction, inspection and testing Others: City of Madison Public Works Standard Specifications	

Facility Name: Madison City

Last Updated:

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6/23/2010 Sanitary Sewer Collection Systems (Continued) Overflow Emergency Response Plan: Does your emergency response capability include (check only those that you have): Alarm system and routine testing **Emergency equipment Emergency procedures** Communications/Notifications (DNR, Internal, Public, Media etc) 冈 Capacity Assurance: How well do you know your sewer system? Do you have the following? Current and up-to-date sewer map Sewer system plans and specifications Manhole location map Lift station pump and wet well capacity information Lift station O&M manuals Within your sewer system have you identified the following? Areas with flat sewers Areas with surcharging Areas with bottlenecks or constrictions Areas with chronic basement backups or SSO's Areas with excess debris, solids or grease accumulation Areas with heavy root growth Areas with excessive infiltration/inflow (I/I) Sewers with severe defects that affect flow capacity Adequacy of capacity for new connections Lift station capacity and/or pumping problems 冈 Annual Self-Auditing of your O&M/CMOM Program to ensure above components are being implemented, evaluated, and re-prioritized as needed. 冈 Special Studies Last Year(check only if applicable): Infiltration/Inflow (I/I) Analysis Sewer System Evaluation Survey (SSES) Sewer Evaluation and Capacity Managment Plan (SECAP) Lift Station Evaluation Report Others: The City of Madison Engineering Division performed smoke testing in the Waunona/Woodley Lift stations areas during 2009. The study was created to identify cracks and other defects that may be located in the sanitary sewer system and detect sources of inflow to the sewer system, including area drains, abandoned sewer laterals, storm sewer cross connections, roof downspouts, faulty service connections and illegal connections. The results were used to select pipe sections to be lined in 2010. 4. Did your sanitary sewer collection system maintenance program include the following maintenance activities? Complete all that apply and indicate the amount maintained: Cleaning 55.77 % of system/year Root Removal 0.85 % of system/year

Facility Name: Madison City

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6/23/2010 Sanitary Sewer Collection Systems (Continued) Flow Monitoring % of system/year Smoke Testing 0.17 % of system/year Sewer Line Televising 8.85 % of system/year 2.47 Manhole Inspections % of system/year Lift Station O&M 79 # per L.S/year Manhole Rehabilitation 0.42 % of manholes rehabed Mainline Rehabilitation 0.85 % of sewer lines rehabed **Private Sewer Inspections** 0 % of system/year Private Sewer I/I Removal % of private services Please include additional comments about your sanitary sewer collection system below: The engineering division O&M program includes aggressive preventive maintenance (total system cleaning once every three years) combined with CCTV inspections and active reaction to identified problems (reconstruction, trenchless rehab). The components of this program show results in the low number of complaints and sewer backups occurring in the last years. 5. Provide the following collection system and flow information for the past year: 38.35 Total Actual Amount of Precipitation Last Year 36.55 Annual Average Precipitation (for your location) 758.39 Miles of Sanitary Sewer

Facility Name: Madiso	n City	Last Updated: 6/23/2010	Reporting Year: 2009
Sanitary Sewer Collectio	on Systems (Continued)		
29	Number of Lift Stations		
1	Number of Lift Station Failure		
4	Number of Sewer Pipe Failures		
40	Number of Basement Backup Occurrences		
40	Number of Complaints		
28.20	Average Daily Flow in MGD		
	Peak Monthly Flow in MGD(if available)		
	Peak Hourly Flow in MGD(if available)		

Facility Name: Madison City

Last Updated: Reporting Year: 2009 6/23/2010

nita	ry Sewer Co	llection Systems (Continued)			
	NUMBER OF	SANITARY SEWER OVERFLOW	S (SSO) REPORTED (10 POI	NTS PER OCCUR	RENCE)	0
	Date	Location		Cause	Estimated Volume (MG)	
	NONE REPO	PRTED			_	
	0	SSOs that occurred last year Yes No he SSOs that occurred:	ar that are not listed abo	ve?		
	PERFORM	ANCE INDICATORS				-
	0.03	Lift Station Failures(f	ailures/ps/year)			
	0.01	Sewer Pipe Failures(pipe failures/sewer mile/	/yr)		
	0.00	Sanitary Sewer Over	flows (number/sewer mil	le/yr)		
	0.05	Basement Backups(r	number/sewer mile)			
	0.05	Complaints (number/	sewer mile)			
	0.0	Peaking Factor Ratio	(Peak Monthly:Annual [Daily Average)		
	0.0	Peaking Factor Ratio	(Peak Hourly:Annual da	ily Average)		
	Was infiltrat	tion/inflow(I/I) significant in ye	our community last year	?		
	O •	Yes No se describe:				
		oo doodiibo.				
		ion/inflow and resultant high ystem, lift stations, or treatm			problems in your	
	O •	Yes No se describe:				
	Explain any	infiltration/inflow(I/I) change	s this year from previous	s years?		

Facility Name: Madison City	Last Updated: 6/23/2010	Reporting Year: 2009
Sanitary Sewer Collection Systems (Continued)		
9. What is being done to address infiltration/inflow in the City of Madison program for infiltration and every 10 years, areas that are identified as possengineering personnel using smoke testing and this information to prioritize point repairs for impute that will be included in pipe reconstruction continuously in place, directional drilling, pipe bursting)	I Inflow includes CCTV of the whole sesible I/I problems can be further analed/or flow testing. The engineering diverselate rehabilitation of the pipe, and	yzed by ision uses d areas

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

Facility Name: Madison City Last Updated: Reporting Year: 2009

WPDES No.0047341

GRADING SUMMARY				
SECTION	LETTER GRADE	GRADE POINTS	WEIGHTING FACTORS	SECTION POINTS
Financial Management	А	4.0	1	4
Collection Systems	А	4.0	3	12
TOTALS				
GRADE POINT AVERAGE(GPA)=				

Notes:

A = Voluntary Range

B = Voluntary Range

C = Recommendation Range (Response Required)

D = Action Range (Response Required)

F = Action Range (Response Required)

Facility Name: Madison City Last Updated: Reporting Year: 2009

Resolution or Owner's Statement

NAME OF GOVERNING BODY OR OWNER	DATE OF RESOLUTION OR ACTION TAKEN
CITY OF MADISON	6/16/2010

RESOLUTION NUMBER

18604

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

Collection Systems: 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) **G.P.A. =**