Facility Name: Madison City

Last Updated: Reporting Year: 2011
5/25/2012

Financial Management

		Questions	Points
1.	Person Providing This Financial Information		
	Name:	Steve Danner-Rivers	
	Telephone:	(608) 261-9689	
	E-Mail Address(optional):	sdannerrivers@cityofmadison.com	
	E-iviali Address(optional).	sualine inverse city of inactison.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 O No (40 poin If No, please explain:	•	
3.	When was the User Charge Year: 2011	System or other revenue source(s) last reviewed and/or revised?	0
	O 3 or more	go (0 points) years ago (20 points) ıble (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 poir	nts)	
	REPLACEMENT FUNDS(P	UBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 5)	
5.	Equipment Replacement Fur	nds	
	5.1 When was the Equipmer Year: 2011	nt Replacement Fund last reviewed and/or revised?	0
	O 3 or more	go (0 points) years ago (20 points) ıble Explain:	
	5.2 What amount is in your F	·	
	F 2.4 Ending Balance De-	Equipment Replacement Fund Activity	
	5.2.1 Ending Balance Rep 5.2.2 Adjustments	ported on Last Year's CMAR: \$8,111.97 + \$0.00	
	if necessary (e.g., ea	rned interest, audit correction, withdrawal of se making up previous shortfall, etc.)	
	5.2.3 Adjusted January 1	- · · ·	

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Financial Management (Continued)			
5.2.4 Additions to Fund (e.g., portion of User Fee, earned intelligence)	rest. etc.) +	\$250,000.00	
5.2.5 Subtractions from Fund (e.g., equipment replacement, m		\$160,575.58	
- use description box 5.2.5.1 below*.)	lajor repairs -	φ100,575.56	
5.2.6 Ending Balance as of December 31st for CMAR Repo	orting Year	\$97,536.39	
(All Sources: This ending balance should include all Equipmer Funds whether held in a bank account(s), certificate(s) of deposition.			
*5.2.5.1. Indicate adjustments, equipment purchases and/or		5.2.5 above	
Force Main Replacement for the Fayette and Hoboken Li	ft Stations		
5.3 What amount <u>should</u> be in your replacement fund?		\$0.01	
(If you had a CWFP loan, this amount was originally based on the (FAA) and should be regularly updated as needed. Further calculated as the found by clicking the HELP option button.)			
5.3.1 Is the Dec. 31 Ending Balance in your Replacement Fund than the amount that should be in it(#5.3)?	above (#5.2.6) equ	al to or greater	
● Yes O No Explain:			
ind Explain.			
6. Future Planning			
6.1 During the next ten years, will you be involved in formal plar or new construction of your treatment facility or collection system Yes (If yes, please provide major project inform O No	n?	· ·	
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. Likely projects for 201 include: 2 separate extensions on Highway 'M' for future service, with installation in conjunction with planned street work installations on South Point Road; installations on Elderberry Road. Other potential assessable extensions include the Pumpkin Hollow Sewer Interceptor Extension (\$375,000); future phases of the Center for Industry & Commerce Plat and / or Interstate Commerce Park (\$100,000). Amount shown is the estimate for 2012-2017.	.,		

acility Name: Madison City	Last Updated: 5/25/2012	Reporting Year: 201
nancial Management (Continued)		
Infiltration & Inflow Improvements: This project is for the continuing work on Inflow and Infiltration problems in specific areas. Proposed projects for 2012 includes continuing rehabilitation of sewer structures as needed and some additional work in the Waunona Way area (\$75,000). 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 assumes a consultant study to be completed in early 2012 of a near East sewer shed that experiences occasional sewer flooding problems. The problems are in the area of Johns & Cottage Grove Road and Lake Edge Boulevard & Hegg Avenue. Improvements based on the study would begin in 2012. Amount shown is the estimate for 2012-2017.		
Sewer with Reconstructed Streets: This project involves the replacement of older, problematic sanitary sewers in coordination with the City's Pavement Management Program and the Madison Water Utility. This work provides for the replacement of six inch diameter clay sewers, which are difficul 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 the pay for 75% of the cost. All six 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 2012-2017.		
Felland Area Sewer Extension to Nelson Rd: This project shall extend sanitary sewer service from the Burke Road and Felland Road intersection north to Nelson Road to serve the Nelson Neighborhood. 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 easement acquisitions have been completed and construction is scheduled for 2013.	\$1,000,000.00	2013
Lower Badger Mill Creek Sewer Extension: This project will continue the extension of sanitary sewer to serve the Lower Badger Mill Creek Watershed. Previously completed work includes a new lift station at Mid Town Road and the extension of sanitary sewer from Mid Town Rd to Valley View Rd. The remaining work in this project includes the west branch sewer extension from Valley View Road to Mineral Point Road scheduled for 2012 and the east branch sewer extension from Valley View Road to the South Point Lift Station scheduled for 2013. Ultimately, the project will provide additional capacity for new development. Property acquisitions for the West Branch took place in 2011. Amount shown is the estimate for 2012-2013	\$1,500,000.00	

Facility Name: Madison City Last Updated: Reporting Year: 2011 5/25/2012 Financial Management (Continued) Trenchless Sewer Rehabilitations: This project shall rehabilitate \$6,375,631.00 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. Some 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 approximately 5 miles of sewer main at a number of locations, strategically selected based on need city 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. Backyard sewer mains are a focus for this project. Amount shown is the estimate for 2012-2017 Financial Management General Comments: Annually the City of Madison adopts a Capital Budget which funds equipment replacement and other infrastructure improvements, listed in a project format. Each project is reviewed and the funding amount for the current budget is determined. In addition, the budget details future year estimates for the five subsequent years for each project.

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

Facility Name: Madison City

Last Updated: Reporting Year: 2011
5/30/2012

Sanitary Sewer Collection Systems

		Questions Questions	Points	
1.	Do you ha	ave a Capacity, Management, Operation & Maintenance(CMOM) requirement in your		
	WPDES permit?			
		O Yes		
		● No		
2.		ave a <u>documented</u> (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)		
		O 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 Waste Water Treatment Plant with minimum inflow, infiltration and exfiltration. Prevent public health hazards. Reduce inconvenience and damage by responsibly handling service interruptions. Eliminate claim and legal fees related to backup by providing immediate, concerned 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 efficiently. 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 12/13/2011 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 		

Last Updated: Facility Name: Madison City Reporting Year: 2011 5/30/2012 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 \boxtimes Annual Self-Auditing of your O&M/CMOM Program to ensure above components are being implemented, evaluated, and re-prioritized as needed. 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: 4. Did your sanitary sewer collection system maintenance program include the following maintenance activities? Complete all that apply and indicate the amount maintained: 74.61 Cleaning % of system/year Root Removal 0.31 % of system/year 0 Flow Monitoring % of system/year Smoke Testing % of system/year Sewer Line Televising 5.56 % of system/year

Facility Name: Madison City Last Updated: Reporting Year: 2011 5/30/2012 Sanitary Sewer Collection Systems (Continued) Manhole Inspections 4.61 % of system/year Lift Station O&M 75 # per L.S/year Manhole Rehabilitation 0.43 % of manholes rehabed Mainline Rehabilitation 0.76 % of sewer lines rehabed **Private Sewer Inspections** % of system/year Private Sewer I/I Removal % of private services Please include additional comments about your sanitary sewer collection system below: The City of Madison Engineering Division has an aggressive preventive maintenance and inspection program. Regularly scheduled cleaning, close-circuit video inspection and main repairs combine to extend the useful life of pipeline and minimize service interruptions to customers. As a result the City collection system very low incidence of sewer main back up. 5. Provide the following collection system and flow information for the past year: 30.54 Total Actual Amount of Precipitation Last Year 32.6 Annual Average Precipitation (for your location) 753.45 Miles of Sanitary Sewer 29 Number of Lift Stations 0 Number of Lift Station Failure 5 Number of Sewer Pipe Failures 34 Number of Basement Backup Occurrences 35 Number of Complaints

Facility Nar	me: Madison City	Last Updated: 5/30/2012	Reporting Year: 2011
Sanitary Sev	wer Collection Systems (Continued)		
	Average Daily Flow in MGD		
4	Peak Monthly Flow in MGD(if available	e)	
7	Peak Hourly Flow in MGD(if available))	

Facility Name: Madison City

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nita	ry Sewer Co	ollection Systems (Continued)			
	NUMBER OF SANITARY SEWER OVERFLOWS (SSO) REPORTED (10 POINTS PER OCCURRENCE)					0
	Date	Location		Cause	Estimated Volume (MG)	
	NONE REP	ORTED			_	
		e SSOs that occurred last year Yes No the SSOs that occurred:	ar that are not listed abo	ove?		
	PERFORM	MANCE INDICATORS				1
	0.00	Lift Station Failures(f	ailures/ps/year)			
	0.01	Sewer Pipe Failures(pipe failures/sewer mile	e/yr)		
	0.00	Sanitary Sewer Over	flows (number/sewer m	nile/yr)		
	0.05	Basement Backups(r	number/sewer mile)			
	0.05	Complaints (number/	'sewer mile)			
	1.1	Peaking Factor Ratio	(Peak Monthly:Annual	Daily Average	·)	
	1.8	Peaking Factor Ratio	o(Peak Hourly:Annual d	aily Average)		
	Was infiltra	ntion/inflow(I/I) significant in ye	our community last yea	ır?		
		No				
	If Yes, plea	ase describe:				
		tion/inflow and resultant high system, lift stations, or treatm				
		No				
	If Yes, plea	ase describe:				
	Explain an	y infiltration/inflow(I/I) change	es this year from previou	us years?		1
		. , ,				

Facili	ty Name: Madison City	Last Updated: 5/30/2012	Reporting Year: 2011
Sanita	ry Sewer Collection Systems (Continued)		
9.	What is being done to address infiltration/inflow in your The Engineering Division is working to identify and Eastmorland area. CCTV inspections and condition located in this area that flow to MMSD Pump Statio testing and smoke testing will be completed over the issues as well as cross-connections. A multi-year pridentified sources of I&I.	reduce inflow and infiltration in the assessments of all sanitary sew in Number 6 have been completed the next few months to identity cap	ers d. Flow pacity

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

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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		1	4			
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)

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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):

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.** =