Facility Name: Madison City

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

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Points

Financ	cial Management		
		Questions	
1.	Person Providing This Finar	cial 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 col	evenues sufficient to cover O&M Expenses for y lection system ?	our wastewater
	● Yes (0 poin O No (40 poin If No, please explain:		
3.	When was the User Charge Year: 2009	System or other revenue source(s) last reviewe	d and/or revised?
	O 3 or more	ago (0 points) years ago (20 points) able (Private Facility)	
4.	Did you have a special acco financial resources available plant and/or collection syste	unt (e.g., CWFP required segregated Replacem of repairing or replacing equipment for your warm?	ent Fund, etc.) or astewater treatment
	● Yes O No (40 poi	nts)	
	REPLACEMENT FUNDS(P	UBLIC MUNICIPAL FACILITIES SHALL COM	PLETE QUESTION 5)
5.	Equipment Replacement Fu	nds	
	5.1 When was the Equipme Year: 2009	nt Replacement Fund last reviewed and/or revis	ed?
	O 3 or more	ago (0 points) years ago (20 points) able Explain:	
	5.2 What amount is in your	Replacement Fund?	
		Equipment Replacement Fund Activity	
	5.2.1 Ending Balance Re	ported on Last Year's CMAR:	\$-1,152.99
		arned interest, audit correction, withdrawal of use making up previous shortfall, etc.)	+ \$0.00
	5.2.3 Adjusted January 1	st Beginning Balance	\$-1,152.99

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 intered	est, etc.) +	\$425,000.00
5.2.5 Subtractions from Fund (e.g., equipment replacement, ma - use description box 5.2.5.1 below*.)		\$303,985.06
5.2.6 Ending Balance as of December 31st for CMAR Repor	ting Year	\$119,861.95
(All Sources: This ending balance should include all Equipment Funds whether held in a bank account(s), certificate(s) of depos	sit, etc.)	
*5.2.5.1. Indicate adjustments, equipment purchases and/or r Conclusion of the Gettle Ave Lift Station Rehab Project; Re Woodley and Carroll Forcemain; New Pumps @ Atlas and	eplacement of Sec	ctions of
 5.3 What amount <u>should</u> 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 calcul can be found by clicking the HELP option button.) 5.3.1 Is the Dec. 31 Ending Balance in your Replacement Fund a than the amount that should be in it(#5.3)? Yes No Explain: 	ation instructions a	and an example
6. Future Planning		
 6.1 During the next ten years, will you be involved in formal plann or new construction of your treatment facility or collection system Yes (If yes, please provide major project information of No 	?	-
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.	\$3,650,000.00	

Facility Name: Madison City

Financial Management (Continued)

Last Updated: 6/3/2010

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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 & 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.	\$950,000.00	
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.	\$33,500,000.00	
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	\$2,000,000.00	

Financial Management (Continued)

	Trenchless Sewer Rehabilitations: This project shall rehabilitate 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 approx 1.5 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. Amount shown is the estimate for 2010-2015	\$1,975,000.00		
	Allied Drive Redevelopment: This project is the second phase of the City redevelopment of the Allied neighborhood. Sewer is being added/replaced in this area.	\$265,000.00	2010	
-				
7.	Financial Management General Comments:			
	Annually the City of Madison adopts a Capital Budget whic replacement and other infrastructure improvements, listed project is reviewed and the funding amount for the current addition, the budget details future year estimates for the fiv project.	in a project format budget is determine	. Each ned. In	

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

Facility Name: Madison City

Last Updated: 6/4/2010

Reporting Year: 2009

Ourselions Points 1. Do you have a Capacity, Management, Operation & Maintenance(CMOM) requirement in your WPDES permit? Yes No 	Sanita	ry Sewer C	Collection Systems	
WPDES permit? Yes O Yes No No 2. Did you have a documented (written records/files, computer files, video tapes, etc.) sanitary sewer collection 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 elements listed below that are included in your Operation and Maintenance (0&M) or CMOM program: Convey wastewater to Nine Springs Wastewater Treatment Plant with minimum inflow, infiltration and exilitration. Prevent public health hazards. Reduce incorvinience and damage by responsibly handling service interruptions. Eliminate claim and legal lees related to backup by providign immediate, cencerned and efficient service to all emergency calls. Portect 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): ☑ Overership and governing body description ☑ Personnel and position descriptions ☑ No error munication 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			Questions	Points
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Others:				
City of Madison Public Works Standard Specifications				

Facilit	y Name: I	Madison City	Last Updated: 6/4/2010	Reporting Year: 2009
Sanita	ry Sewer C	Collection Systems (Continued	1)	
Sanita	ry Sewer C	Overflow Emergency Respinct Include (check only those the Alarm system and row Emergency equipment Emergency procedure Communications/Notit Image: Emergency procedure Communications/Notit Capacity Assurance: How following? Image: Current and up-to-date Sewer system plans at Sewer system plans at Manhole location map Image: Current and up-to-date Sewer system plans at Manhole location map Image: Current and up-to-date Sewer system plans at Manhole location map Image: Current and up-to-date Sewer system plans at Manhole location map Image: Current and up-to-date Sewer system plans at Manhole location map Image: Current and up-to-date Sewer system plans at Manhole location map Image: Current and up-to-date Sewer system plans at Manhole location map Image: Current and up-to-date Sewer system plans at Manhole location map Image: Current and up-to-date Sewer system plans at Manhole location map Image: Current and up-to-date Sewer system plans at Manhole location map Image: Current and up-to-date Sewer system plans at Areas with flat sewers Areas with flat sewers Areas with flat sewers Areas with excessive Sewer Sewer swith severe at Areas with excessive Sewer System Evaluation capacity at Annual Self-Auditing of you Sewer System Evaluation and Lift Station Evaluation and Lift Station Evaluation and Lift Station Evaluation and Lift Station Evaluation and L	formse Plan: Does your emergency response caparat you have): ittine testing it ass fications (DNR, Internal, Public, Media etc) well do you know your sewer system? Do you have e sewer map and specifications b wet well capacity information uals ave you identified the following? g s or constrictions sement backups or SSO's bris, solids or grease accumulation growth infiltration/inflow (I/I) effects that affect flow capacity for new connections nd/or pumping problems ur O&M/CMOM Program to ensure above compored, and re-prioritized as needed. check only if applicable): Analysis ation Survey (SSES) I Capacity Managment Plan (SECAP) Report	onents are
		identify cracks and other de and detect sources of inflow sewer laterals, storm sewe	efects that may be located in the sanitary sewer sy v to the sewer system, including area drains, abar cross connections, roof downspouts, faulty service nections. The results were used to select pipe sec	vstem ndoned ce
4.			em maintenance program include the following at apply and indicate the amount maintained:	
	Cleaning			
	Root Rer	noval 0.8	5 % of system/year	

Facility Name: Madison City		Last Updated: 6/4/2010	Reporting Year: 2009
Sanitary Sewer Collection Systems (C	ontinued)		
Flow Monitoring	0 % of system/year		
Smoke Testing	0.17 % of system/year		
Sewer Line Televising	8.85 % of system/year		
Manhole Inspections	2.47 % of system/year		
Lift Station O&M	79 # per L.S/year		
Manhole Rehabilitation	0.42 % of manholes rehab	bed	
Mainline Rehabilitation	0.85 % of sewer lines reha	abed	
Private Sewer Inspections	0 % of system/year		
Private Sewer I/I Removal	0 % of private services		
Please include additional com	ments about your sanitary sewer c	collection system belo	ow:
system cleaning once every to to identified problems (recons	A program includes aggressive pro hree years) combined with CCTV struction, trenchless rehab). The c er of complaints and sewer backu	inspections and active components of this pr	ve reaction ogram
5. Provide the following collection	system and flow information for the	he past year:	
38.35 Total Actual	Amount of Precipitation Last Year	r	
36.55 Annual Aver	age Precipitation (for your location	n)	

758.39

Miles of Sanitary Sewer

y Name: Mad	ison City	Last Updated: 6/4/2010	Reporting Year: 20
ry Sewer Colle	ction 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: 6/4/2010	Reporting Year: 2009

1	ction Systems (Continued)		
NUMBER OF S	ANITARY SEWER OVERFLOWS (SS	SO) REPORTED (10 POINTS PER OCCU Cause	IRRENCE) 0 Estimated
Dale	Location	Cause	Volume (MG)
NONE REPOR	TED		
Were there S	SOs that occurred last year th Yes No	at are not listed above?	
If Yes, list the	e SSOs that occurred:		
PERFORMA	NCE INDICATORS		
0.03	Lift Station Failures(failur	res/ps/year)	
0.01	Sewer Pipe Failures(pipe	e failures/sewer mile/yr)	
0.00	Sanitary Sewer Overflow	s (number/sewer mile/yr)	
0.05	Basement Backups(numl	ber/sewer mile)	
0.05	Complaints (number/sew	er mile)	
0.0	Peaking Factor Ratio (Pe	ak Monthly:Annual Daily Average)
0.0	Peaking Factor Ratio(Pea	ak Hourly:Annual daily Average)	
Was infiltratio	n/inflow(I/I) significant in your o	community last year?	
0	Yes		
● If Yes, please	No describe:		
		vs affected performance or created plant at any time in the past year?	
0	Yes No		
If Yes, please			
Explain any ir	nfiltration/inflow(I/I) changes thi		

Facility Name: Madison City	Last Updated: 6/4/2010	Reporting Year: 2009

Sanitary Sewer Collection Systems (Continued)

9.	What is being done to address infiltration/inflow in your collection system?	
	The City of Madison program for infiltration and Inflow includes CCTV of the whole system every 10 years, areas that are identified as possible I/I problems can be further analyzed by Engineering personnel using smoke testing and/or flow testing. The engineering division uses this information to prioritize point repairs for immediate rehabilitation of the pipe, and areas that will be included in pipe reconstruction contracts or trenchless technology contracts (cure in place, directional drilling, pipe bursting)	

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

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	A	4.0	1	4		
Collection Systems	А	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)