

CITY OF CROSSVILLE

99 MUNICIPAL AVE.

CROSSVILLE, TENNESSEE 38555~4477

TEL (931) 484~5701

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OFFICE OF THE
MAYOR

February 14, 2011

Mr. Sam Gaddipati
State of Tennessee
Department of Environment & Conservation
State Revolving Fund Program
L&C Tower, 8th Floor
401 Church Street
Nashville, TN 37243-1533

RE: SRF Clean Water Loan Funding Request
Sanitary Sewer Replacement/Rehabilitation
City of Crossville, Tennessee

Dear Mr. Gaddipati:

The City of Crossville requests that the following project be funded with a \$1,950,000, 20-year Clean Water State Revolving Fund loan. Please send the City the necessary loan application documents. The following project information is provided for your review.

A. Project description - The City of Crossville is proposing to replace or rehabilitate the following sanitary sewer lines:

1. Approximately 2,000 lineal feet of 8-inch diameter PVC gravity sanitary sewer from the Dayton Avenue/Oakmont Drive area to the Old Landfill Pump Station. Rehabilitation of these sanitary sewer line sections would consist of cured-in-place pipe lining and manhole rehabilitation.
2. Approximately 3,000 lineal feet of 8-inch diameter vitrified clay gravity sanitary sewer from the Miller Avenue/Harper Lane area to the main trunk Obed River sanitary sewer line. Rehabilitation/replacement of these sanitary sewer line sections would consist of cured-in-place pipe lining, replacement and manhole rehabilitation.
3. Approximately 2,000 lineal feet of 8-inch diameter vitrified clay gravity sanitary sewer from Holiday Drive to the main trunk Obed River sanitary sewer line. Rehabilitation/replacement of these sanitary sewer line sections would consist of cured-in-place pipe lining, replacement and manhole rehabilitation.

B. Need for the project:

1. Dayton Avenue/Oakmont Drive Area – The sanitary sewer lines in this particular area of Crossville are over 40 years old and are subject to considerable infiltration and inflow of more than 500,000 gallons per day during a 2-inch rainfall event.

2. Miller Avenue/Harper Lane Area – The sanitary sewer lines in this particular area of Crossville are more than 50 years old and are subject to considerable infiltration and inflow of between 500,000 and 750,000 gallons per day during a 2-inch rainfall event.
3. Holiday Drive Area – The sanitary sewer lines in this particular area of Crossville are over 50 years old and are subject to considerable infiltration and inflow of more than 500,000 gallons per day during a 2-inch rainfall event.

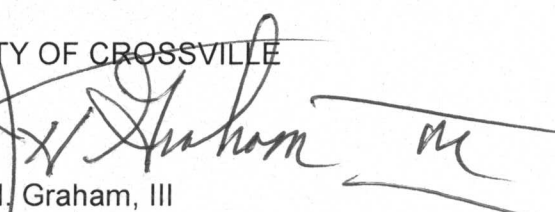
Rehabilitation or replacement of the sanitary sewers and manholes in the areas noted above would result in the elimination of between 1,500,000 and 1,750,000 gallons per day during a 2-inch rainfall event. All streams and rivers in these sanitary sewer drainage basins are tributaries to the Obed River, which is listed as a State 303(d), Tier (III) and a "National Wild and Scenic" River. The Obed River and its tributaries are also the home of a number of rare species protected by the Federal Endangered Species Act, which include the Purple Bean Muscle, Spot Fin Chub and the Cumberland Bean Muscle, to name a few. The Obed River has also been recognized internationally as a "hot spot" of biodiversity. In addition to the environmental benefits of removing the volume of infiltration and inflow noted above, wastewater treatment volumes and costs for the City would be significantly reduced.

- C. Total costs, including additional funding sources
1. Dayton Avenue/Oakmont Drive Area - \$550,000
 2. Miller Avenue/Harper Lane Area - \$800,000
 3. Holiday Drive Area - \$600,000
- \$1,950,000 Total Project Cost
- D. Desired loan award date: May 2011
- E. Estimated construction start and completion dates:
December 1, 2011 to December 1, 2012

Thank you for the consideration given this request. The City of Crossville is anxious to move forward with this project in a timely fashion.

Respectfully,

CITY OF CROSSVILLE


J.H. Graham, III
Mayor

**STATE REVOLVING FUND LOAN PROGRAM
QUESTIONNAIRE
FY 2011 PRIORITY RANKING LISTS**

Please e-mail raymond.ramage@tn.gov to request an electronic questionnaire.

Please call 615-532-0019 with questions.

CITY/CO/UD/AUTHORITY'S NAME		<u>City of Crossville</u>	
CONTACT PERSON	<u>Sally Oglesby</u>	PHONE	<u>(931) 456-5680</u>
		E-MAIL	<u>sloglesby@crossvilletn.gov</u>
CITY/CO/UD/AUTHORITY'S COUNTY(IES) SERVED		<u>City of Crossville/Cumberland County/South Cumberland UD/Grandview UD</u>	
CITY/CO/UD/AUTHORITY'S TN CONGRESSIONAL DISTRICT NO(s).	PRIMARY	<u>04</u>	OTHER _____ OTHER _____
CITY/CO/UD/AUTHORITY'S 9-DIGIT DUNS NUMBER, if available.		<u>03 066 8115</u>	

CONSULTING FIRM, if applicable.	<u>GRW, Inc.</u>		
CONSULTANT'S NAME	<u>Jim Hilborn</u>	PHONE	<u>(615)366-1600</u>
		E-MAIL	<u>jhilborn@grwinc.com</u>

IS THIS REQUEST FOR A Please check 1 or both. Please check 1.	COMMUNITY DEVELOPMENT BLOCK GRANT AND/OR A _____ CLEAN WATER SRF LOAN? <input checked="" type="checkbox"/>	COMMUNITY DEVELOPMENT BLOCK GRANT AND/OR A _____ DRINKING WATER SRF LOAN? _____	
	Associated NPDES Permit No./ SOP No. <u>TN0024996</u> Non-discharge Type _____	Public Water System Number _____	
	PRIMARY REASON FOR THE CW PROJECT ACHIEVE COMPLIANCE _____ MAINTAIN COMPLIANCE _____ PUBLIC HEALTH/ PATHOGEN REDUCTION _____ MEET FUTURE REQUIREMENTS _____ INFRASTRUCTURE IMPROVEMENT <input checked="" type="checkbox"/> _____ REGIONALIZATION/ CONSOLIDATION _____ WATER REUSE/ RECYCLING/ CONSERVATION _____ GROUNDWATER PROTECTION _____ WETLAND RESTORATION _____ GROWTH _____ OTHER* _____	PRIMARY REASON FOR THE DW PROJECT ACHIEVE COMPLIANCE _____ MAINTAIN COMPLIANCE _____ PUBLIC HEALTH _____ MEET FUTURE REQUIREMENTS _____ INFRASTRUCTURE IMPROVEMENT _____ CONSOLIDATES SYSTEMS _____ WATER REUSE/ RECYCLING/ CONSERVATION _____ CREATES NEW SYSTEM _____ OTHER* _____	

POPULATION SERVED	CURRENT	<u>12,000</u>	YR 2031	_____	CURRENT	<u>12,000</u>
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TOTAL PROJECT AMOUNT –Amount should equal sum of next 3 rows.	<u>\$1,950,000</u>
FUNDING AMOUNT - SRF LOAN	<u>\$1,950,000</u>
FUNDING AMOUNT - CDB GRANT	_____
FUNDING AMOUNT - OTHER	_____

BRIEF PROJECT DESCRIPTION	<u>Sanitary Sewer Replacement/Rehabilitation</u>
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PROJECTED CONSTRUCTION START DATE	<u>12/1/2011</u>
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PROJECTED CONSTRUCTION END DATE	<u>12/1/2012</u>
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DOES PROJECT INCLUDES A GREEN COMPONENT? No If so, please complete the following 4 rows as applicable.	
GREEN INFRASTRUCTURE (\$) Including All Engineering Costs, Etc.	_____
ENERGY EFFICIENCY (\$) Including All Engineering Costs, Etc.	_____
WATER EFFICIENCY (\$) Including All Engineering Costs, Etc.	_____
GREEN INNOVATIVE (\$) Including All Engineering Costs, Etc.	_____

*Please explain in the comments section.

**STATE REVOLVING FUND LOAN PROGRAM
QUESTIONNAIRE
FY 2011 PRIORITY RANKING LISTS**

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THIS PAGE IS FOR CLEAN WATER (WASTEWATER) PROJECTS ONLY

From Rationale Sheet of Permit: **HUC CODE** 6010208 **RECEIVING STREAM & River Mile** Obed River at mile 38.6

IS THE DISCHARGE LOCATION A 303(d)-LISTED STREAM?

Use the *Proposed Final Year 2010 303(d) List*.

Yes No

WWTP FLOW DATA (MGD)—TO BE COMPLETED FOR ALL WASTEWATER PROJECTS

INDUSTRIAL FLOW	CURRENT	<u>0.08</u>	PRESENT DESIGN	<u> </u>	FUTURE DESIGN	<u> </u>
INFILTRATION FROM GROUNDWATER	CURRENT	<u>0.3</u>	PRESENT DESIGN	<u> </u>	FUTURE DESIGN	<u> </u>
MUNICIPAL FLOW	CURRENT	<u>1.8</u>	PRESENT DESIGN	<u> </u>	FUTURE DESIGN	<u> </u>
TOTAL FLOW	CURRENT	<u>2.18</u>	PRESENT DESIGN	<u> </u>	FUTURE DESIGN	<u> </u>
WET WEATHER FLOW (PEAK)	CURRENT	<u>7.84</u>	PRESENT DESIGN	<u> </u>	FUTURE DESIGN	<u> </u>

PLEASE COMPLETE ALL THAT APPLY

**Clean Watersheds Needs Survey (for SRF use) – Detailed definitions on GOOGLE - CWNS 2008 Data Dictionary

***COSTS--Please include ALL associated costs

PROJECT DESCRIPTIONS	TYPE**	COSTS***
Collection System (new)	IV-A	\$
Collection System Expansion	IV-A	\$
Collection System Rehabilitation/Replacement	III-B	\$1,950,000
Collection System Relocation	IV-A	\$
Combined Sewer Overflow (CSO) Correction	V	\$
Comprehensive Odor Control - Collection System	III-B	\$
Comprehensive Odor Control - WWTP	I	\$
Confined Animal--Point Source	VIII	\$
CSO Correction--Sewer Separation	V	\$
CSO Correction--Storage, Treatment, and Conveyance Facilities	V	\$
Decentralized Wastewater Treatment Systems	XII	\$
Effluent Force Main (new)	I	\$
Effluent Pump Station (new)	I	\$
Filter Press System (new)	I	\$
Force Main - Collector (new)	IV-A	\$
Force Main - Interceptor (new)	IV-B	\$
General Stormwater Management	VI-D	\$
Green Infrastructure	VI-C	\$
I/I (Infiltration/Inflow) Correction	III-A	\$
NPS Control: Ground Water Protection (Unknown Source)	VII-E	\$
Outfall (new)	I	\$

PLEASE COMPLETE ALL THAT APPLY

**Clean Watersheds Needs Survey (for SRF use) – Detailed definitions on GOOGLE - CWNS 2008 Data Dictionary

***COSTS--Please include ALL associated costs

PROJECT DESCRIPTIONS	TYPE**	COSTS***
Planning-only	XIII	\$
Pump Station - Collector (new)	IV-A	\$
Pump Station - Collector (new)	IV-A	\$
Pump Station Improvements	III-B	\$
Pump Station Repairs/Rehabilitation	III-B	\$
Recycled Water Distribution	X	\$
Sewer Interceptor (new)	IV-B	\$
Storm Water Management Programs	VI	\$
Stormwater Conveyance Infrastructure	VI-A	\$
Stormwater Treatment Systems	VI-B	\$
WWTP - Advanced Treatment (new)	II	\$
WWTP - Secondary Treatment (new)	I	\$
WWTP Expansion from ??MGD to ??MGD - Advanced Treatment	II	\$
WWTP Expansion from ??MGD to ??MGD- Secondary Treatment	I	\$
WWTP Improvements/Upgrade - Advanced Treatment	II	\$
WWTP Improvements/Upgrade - Secondary Treatment	I	\$
Other*		\$

COMMENTS: _____

*Please explain in the comments section.