

Missouri Clean Water Commission
Department of Natural Resources
Lewis and Clark State Office Building
LaCharrette/Nightingale Conference Rooms
1101 Riverside Drive
Jefferson City, Missouri
January 8, 2014

Small Borrower Loan for Caledonia

Issue: The village of Caledonia has requested a small borrower loan of \$25,145 to fund the costs of upgrades to their wastewater treatment facility.

Background: The village's current treatment facility is a three cell lagoon with discharge to an unnamed tributary of Goose Creek and has a schedule of compliance in their current permit requiring they meet fecal coliform limits. Caledonia intends to add an ultraviolet disinfection system to meet this requirement. The project will include installation of the ultraviolet unit, minor piping modifications to allow the use of the current parshall flume, electrical work and a building structure to cover the unit.

The total project cost is estimated to be \$125,143. The village has applied to the Delta Regional Authority for funding of \$105,500. The balance of the funds will come from the small borrower loan. Any cost over runs will be covered by the village.

Small borrower loans come from repayments of loans originated with the state Water Pollution Control bonds. There are adequate funds available for this loan.

Recommended Action: The Department recommends that the Commission approve the proposed small borrower loan to the village of Caledonia.

Suggested Motion Language: "I move to approve the small borrower loan of \$25,145 for the village of Caledonia."

Attachment:

- Copy of Caledonia's application of funding.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 WATER PROTECTION PROGRAM, FINANCIAL ASSISTANCE CENTER
SMALL BORROWER LOAN APPLICATION

Submit to: P.O. Box 176, Jefferson City, MO 65102-0176
 Attn: Financial Assistance Center

11/26/13 (P)

FOR OFFICE USE ONLY	
DATE RECEIVED	
LOAN NUMBER	
PWS ID NUMBER	

This application is for a Small Borrower Loan

APPLICANT INFORMATION						
APPLICANT NAME Village of Caledonia						
MAILING ADDRESS P.O. Box 100						
CITY Caledonia	STATE MO	ZIP CODE + FOUR 63631	COUNTY Washington County			
TELEPHONE NUMBER WITH AREA CODE 573-779-3492 Ext.			FAX NUMBER WITH AREA CODE 573-779-1213			
AUTHORIZED REPRESENTATIVE NAME Robert Vinyard			AUTHORIZED REPRESENTATIVE TITLE Chairperson			
NAME OF PERSON TO CONTACT ABOUT THIS APPLICATION Robert Vinyard			TELEPHONE NUMBER WITH AREA CODE 573-779-3492 Ext.			
CONSULTING ENGINEER Tim Robbs, Taylor Engineering						
CONSULTANT MAILING ADDRESS P.O. Box 674						
CITY Farmington	STATE MO	ZIP CODE + FOUR 63640				
CONSULTANT TELEPHONE NUMBER WITH AREA CODE 573-756-9226 Ext.			CONSULTANT FAX NUMBER WITH AREA CODE 573-756-7310			
POPULATION (CURRENT CENSUS) 130 (2010 Census)	POPULATION OF AREA TO BE SERVED 130	FEDERAL TAX ID NUMBER 43-1197780				
STATE SENATE DISTRICT NUMBER(S) FOR PROJECT Gary Romine, 3			STATE REPRESENTATIVE DISTRICT NUMBER(S) FOR PROJECT Paul Fitzwater, 144			
OTHER FUNDS ANTICIPATED FOR THIS PROJECT Delta Regional Authority Grant, \$105,500						
Is this a water project or a sewer project? Sewer project						
ESTIMATED PROJECT COST INFORMATION				APPLICANT FINANCIAL INFORMATION		
Cost Estimate Dated: 06/01/2013				Bond Information/Debt Instrument		
Development and Administration	\$	5,500.00	Date of Ballot Approval	04/01/2004		
Engineering (Construction Phase)	\$	11,810.65	Anticipated Date for Bond Election			
Engineering Inspection	\$	8,857.99	<input type="checkbox"/> General Obligation Bonds \$			
Construction	\$	99,500.00	<input checked="" type="checkbox"/> Revenue Bonds \$ 500,000			
Equipment	\$		<input type="checkbox"/> No Bonds Available			
Other Costs specify:	\$					
Contingencies	\$	4,975.00				
Total Project Costs	\$	130,643.64				
Loan amount requested (Loan is limited to \$100,000)	\$	25,143.64				
ANTICIPATED FUNDING						
Total Costs	Applicant Contribution	Small Borrower Loan	Other Grants	Other Loan	Bonds	
\$ 130,643.64	\$	\$ 25,143.64	\$ 105,500.00	\$	\$	
Percentage of Total Costs	%	19 %	81 %	%	% %	

MO 780-2035 (2/09)

BONDED INDEBTEDNESS OF APPLICANT

Outstanding Balance of Bonds	Interest Rate	Purpose of Bond	Amortization Period	Payment Due Date	Installment Amount
\$ 35435.73	4.25 %	Sewer	35 years	12/01/2013	\$ 195.00
\$ 398157.26	4.5 %	Sewer	35 years	12/01/2013	\$ 2248.00
\$	%				\$
\$	%				\$

General Obligation Bonding Capacity \$ 0

FINANCIAL REPORT OF APPLICANT

Does applicant have an adequate accounting system? Yes No

TAX REVENUES OF APPLICANT

TYPE OF PROPERTY	AGRICULTURAL	COMMERCIAL	INDUSTRIAL	RESIDENTIAL
Total Assessed Value	\$	\$ 114460.00	\$	\$ 374330.00
Anticipated Annual Income	\$	\$ 721.00	\$	\$ 2358.00

How will the applicant repay the loan?

Loan repayment will be made out of wastewater revenue generated through monthly billing.

Median Household Income of project service area (as determined by latest census) \$ 2007-11 ACS 38,750

Projected Monthly User Charge for 5,000 gallons wastewater at completion of this project is \$ On water system: \$49.26, Sewer-only customers pay \$42.76 flat
 Current Monthly User Charge for 5,000 gallons wastewater is \$ On water system: \$48.41, Sewer-only customers pay \$41.52 flat

Projected Monthly User Charge for 5,000 gallons drinking water at completion of this project is \$ 30.64
 Current Monthly User Charge for 5,000 gallons drinking water is \$ 29.95

PROJECT DESCRIPTION

(ATTACH ENGINEERING REPORT, IF AVAILABLE)

The village of Caledonia, Missouri has been mandated by the Missouri Department of Natural Resources to install a disinfection system on its effluent discharge from the wastewater treatment facility. The city's sewage treatment plant discharges into the Goose Creek, which flows into the Big River. The discharge must maintain a level of 400 ml or less of fecal coliform contaminant. Disinfection of the effluent is necessary in order to meet this requirement. If the city utilized chlorination to disinfect the effluent stream, dechlorination would also be required before the stream would meet discharge requirements. The ultraviolet disinfection unit utilizes light bulbs with intensity to destroy fecal coliform. The system is much more reliable and safe to operate than the chlorination/dechlorination system. In order for the community to retain its Missouri State Operating Permit, it must install an ultraviolet disinfection system that complies with MoDNR's requirements. Please see the attached Missouri State Operating Permit which outlines the schedule of compliance including the mandated disinfection system, and the attached Preliminary Engineering Report outlining the alternatives and recommended solution for the wastewater treatment system.

CERTIFICATION

The undersigned representative certifies that the information submitted in this application is true and correct to the best of his/her knowledge and that he/she is authorized to sign and submit this application. The applicant agrees, if a loan is awarded on the basis of this application, to comply with all applicable rules and regulations of the Department of Natural Resources and the terms and conditions of the loan agreement. **Incomplete applications will be returned.**

SIGNATURE OF AUTHORIZED REPRESENTATIVE <i>Robert J. Vinyard</i>	DATE 11-18-13
NAME AND OFFICIAL TITLE (TYPE OR PRINT) Robert Vinyard, Chairperson	TELEPHONE NUMBER WITH AREA CODE 573-779-3492 Ext.
PREPARER'S NAME AND SIGNATURE (IF APPLICABLE)	
SIGNATURE OF PREPARER	DATE
NAME AND TITLE (PRINT OR TYPE)	TELEPHONE NUMBER WITH AREA CODE Ext.

MO 780-2035 (2/09)

