

AGENCY REVIEW TRANSMITTAL FORM

Comments by: Kansas Geological Survey 19 August 2003

Project Title: City of Delia, Kansas
Wastewater Treatment Facility Improvements

Contact Person: Todd Anderson, P.E.
Project Manager

Return To: Todd Anderson, P.E.
Wilson & Company, Inc.
1700 East Iron Avenue
P.O. Box 1640
Salina, KS 67401

This form provides notification and the opportunity for your agency to review and comment on the proposed project. Please complete Parts I and II as appropriate. Your response by **19 September 2003** will be appreciated.

PART I - AGENCY REVIEW COMMENTS:

Any adverse impacts from construction should be offset by the long-term benefits of the improved treatment of the wastewater.

PART II - RECOMMENDED ACTION COMMENTS:

- ☒ Clearance of the project should be granted.
- ☐ Clearance of the project should not be granted.
- ☐ Clearance of the project should be delayed until the issues or questions have been clarified.
- ☐ Clearance of the project should not be delayed, but the applicant should (in final design and/or permit application) address and clarify the questions or concerns indicated above.
- ☐ Request the opportunity to review final design and plans.

Reviewer's Name:

Donald Whitemore

Date:

8/27/03

WILSON & COMPANY

1700 East Iron Avenue
Salina, Kansas 67401
P.O. Box 1640 67402-1640
785-827-0433
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Latin America, LLC

19 August 2003

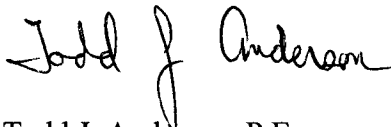
Dr. Lee Allison
Kansas Geological Survey
University of Kansas
1930 Constant Avenue - Campus West
Lawrence KS 66047

Re: Environmental Clearance
Wastewater Treatment Facility Improvements
Delia, Kansas
WCEA File: X3 410 027

The City of Delia is seeking funding through the Kansas Water Pollution Control Revolving Loan Fund as administered by the Kansas Department of Health and Environment (KDHE) for the construction of improvements to the City's wastewater treatment facility. The proposed improvements include construction of an additional lagoon cell to provide adequate detention time; construction of new control structures in the existing lagoon cells; and piping changes within the existing lagoon cells. Additional description of the proposed improvements is attached. A copy of the cover sheet to the City's proposed loan application is also attached for reference.

As part of the Intergovernmental Review process, we are asking for your agency to review and comment on the proposed project. An Agency Review Transmittal Form is included for your convenience. Please complete Parts I and II, as appropriate, and return the form to my attention. Your response is requested by 19 September 2003.

WILSON & COMPANY



Todd J. Anderson, P.E.
Associate

-slg

Enclosure

cc: Jason Boyett, Mayor, City of Delia
Donna Crawford, Governmental Assistance Services





KANSAS

DEPARTMENT OF HEALTH & ENVIRONMENT

DIVISION OF ENVIRONMENT

Bureau of Water

APPLICATION FOR LOAN ASSISTANCE

1. LEGAL APPLICANT/RECIPIENT a. Applicant Name - City of Delia, Kansas b. Organization Unit - City c. Street/P.O. Box - PO Box 17 d. City - Delia e. County - Jackson f. State - Kansas g. ZIP Code - 66418 h. Contact Person (Name Jason Boyett, Mayor & Telephone No.) - (785) 771-2736		2. TYPE OF APPLICANT/RECIPIENT A. City B. County C. Other (Specify) Enter appropriate letter ☒ A	
3. TITLE OF APPLICANT'S PROJECT (Provide a summary description of the project). Wastewater Treatment Facility Improvements - Addition of a Lagoon Cell		4. ESTIMATED NUMBER OF PERSONS BENEFITING 219	
6. AREA OF PROJECT IMPACT (Names of cities, counties, etc.) City of Delia, KS - Jackson County		5. EMPLOYER IDENTIFICATION NUMBER	
8. TYPE OF APPLICATION A-New B-Revision C-Augmentation Enter appropriate letter ☒ A		7. CONGRESSIONAL DISTRICTS OF: a. APPLICANT Second b. PROJECT Second	
10. PROPOSED FUNDING a. STATE \$ 98,300 .00 b. APPLICANT \$.00 c. LOCAL \$.00 d. OTHER (CDBG) \$ 400,000 .00 e. TOTAL \$ 498,300 .00		9. TYPE OF CHANGE (For 8B or 8C) A-Increase Dollars B-Decrease Dollars C-Increase Duration D-Decrease Duration E-Cancellation F-Other (Specify) Enter Appropriate Letter(s) ☐ ☐ ☐	
14. AGENCY TO RECEIVE REQUEST - Kansas Department of Health & Environment a. ORGANIZATIONAL UNIT BUREAU OF WATER MUNICIPAL PROGRAMS SECTION b. ADMINISTRATIVE CONTACT (IF KNOWN) Rod Geisler		11. PROJECT START DATE Year month day 19 2003 08 18	
c. ADDRESS 1000 SW Jackson Street, Suite 420 Topeka KS 66612-1367		12. PROJECT DURATION 18 months	
17. THE APPLICANT CERTIFIES THAT: To the best of my knowledge and belief, data in this preapplication/application are true and correct, the document has been duly authorized by the governing body of the applicant and the applicant will comply with the attached assurances if the assistance is approved.		13. DATE SUBMITTED Year month day 19 08 18	
18. CERTIFYING REPRESENTATIVE a. TYPED NAME AND TITLE Jason Boyett, Mayor City of Delia, KS		15. IDENTIFICATION NUMBER C20 _____	
		16. REMARKS ADDED ☐ Yes ☒ No	
		THIS NOTICE OF INTENT/PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON: DATE: _____	

PROJECT DESCRIPTION

City of Delia, Kansas Wastewater Treatment Facility Improvements

Background

The City of Delia, under the authority of National Discharge Elimination System (NPDES) Permit No. M-KS10-0001, discharges treated wastewater lagoon effluent to Salt Creek at a location northwest of the City. The NPDES permit is administered by the Kansas Department of Health and Environment (KDHE). A map showing the general location of the treatment facility and the discharge location is attached as Figure 1.

The City of Delia's wastewater treatment facility has not consistently met the effluent discharge permit requirements for some time. The existing facility is undersized and, due to its age, is physically deteriorating. In January 2003, the Kansas Department of Health & Environment issued the City of Delia an Administrative Order that detailed action the City must take in order to bring the wastewater treatment facility into regulatory compliance.

Project Description

The project includes the following components as described below and indicated in Figure 1:

1. Construction of a new, third lagoon cell likely located directly north of the existing 2-cell lagoon facility. The new lagoon cell would provide a total system detention time of greater than 120 days.
2. Replacement of control structures in the existing lagoon cells which will provide operational flexibility, reliability, and better flow control within the cells.
3. Relocation/addition of piping within the existing cells to eliminate short-circuiting of the wastewater. This will serve to maximize the detention time within the lagoon cells.

Project Costs

The current opinion of probable costs for the proposed improvements is:

Lagoon Cell Construction Cost	\$352,000
Engineering Design and Inspection	\$88,000
Engineering SRLF Services	\$8,000
Geotechnical Investigations	\$2,500
Administrative and Legal Costs	\$24,000
Land Purchase Costs	\$4,800
Interest Costs during Construction	<u>\$19,000</u>
Total Probable Project Cost	\$498,300

Project Financing

As partial financing for the proposed improvements, the City intends to apply for low interest loan funding through the Kansas Water Pollution Control Revolving Loan Fund (KWPCRLF) as administered by KDHE. The loan fund money can be obtained for terms up to twenty years at lower interest rates than commercially available. Loan repayments begin one year after construction completion and can be generated through sewer user charges, sales tax, or general obligation bonds.

In an effort to minimize the amount of loan funding necessary, the City also intends to apply for grant funding through the Community Development Block Grant (CDBG) program as administered by the Kansas Department of Commerce and Housing.

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FIGURE 1

