

**Proposed Project for Application to the Kansas Department of Health and Environment
for the Kansas Water Pollution Control Revolving Loan Fund.**

Applicant: City of Abilene
Wastewater Treatment Facility Improvements

Contact Person: Scott Wetzel, P.E.

Address: Bucher, Willis & Ratliff Corporation
609 West North Street
Salina, KS 67401-2064

Sent to the Kansas Geological Survey for environmental review.

Agency Review Comments:

The elevation of the wastewater treatment facility above the 100-year floodplain by construction on fill material to raise the base platform for structures is appropriate. Consideration of the how the fill material will behave if a flood occurs should be considered, for example, prevention of erosion during a 100-year or greater flood. In general, the long-term benefits of the improvements to the wastewater treatment system should offset any short-term adverse impacts during construction.

Recommended Action:

- ☒ Clearance of project should be granted
☐ Clearance of project should not be granted
☐ Clearance of project should be delayed until the issues or questions have been clarified
☐ Clearance of project should not be delayed, but the applicant (in the application) should address or clarify the questions or concerns indicated above

Donald Whittemore
Reviewer's Name

Geohydrology Section, Kansas Geological Survey
Division/Agency

2/16/05
Date


Reviewer's Signature

January 19, 2005

Kansas Geological Survey
University of Kansas
1930 Constant Ave., Campus West
Lawrence, KS 66047

Re: Wastewater Treatment Facility Improvements
City of Abilene, Kansas
Kansas Water Pollution Control Revolving Loan Fund (KWPCRLF)

To Whom It May Concern:

The City of Abilene, Kansas is preparing applications to the Kansas Department of Health and Environment (KDHE) for financial assistance to make improvements to its public wastewater treatment facility. The facility improvements consist of constructing a new 1.5 million gallon per day (MGD) extended air activated sludge system to replace the existing trickling filter plant. This includes new headworks, aerobic digestion, sludge dewatering and associated infrastructure. The existing UV system will be reutilized as well as the intermediate pump station and the existing effluent piping. The new upgrades will enable the facility to provide biological nutrient removal (BNR) of both total nitrogen and total phosphorous.

The existing wastewater treatment facility is located within the floodplain of the Smoky Hill River. Consequently, existing infrastructure was constructed upon fill material in order to elevate the concrete structures above the 100 year predicted flood plain elevation of 1,145 feet. The natural grade elevation surrounding the facility is approximately 1,140 feet. Therefore, it will also be necessary to construct the new structures upon fill material. The exact quantity of fill material is unknown at this time. The land proposed for expansion is currently used for agricultural purposes.

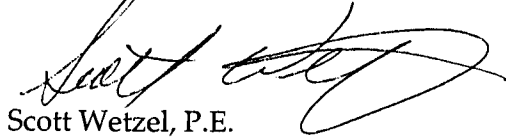
All plant improvements will occur within both the existing site location and the proposed expansion area adjacent to the existing property. The expansion area includes the area approximately 300 feet directly east of the existing City property line. The enclosed figure indicates both the existing site location and the adjacent expansion area. For more specific information please contact Scott Wetzel at (785) 827-3603.

Please provide written comments (enclosed form and/or letter) to this office within 30 days of the date of this letter concerning any environmental issues regarding the proposed project. We would appreciate a response from your office regardless if environmental concerns exist. However, if we do not receive a response from your office by February 19, 2005, we will interpret the non-response as your office having no concerns or comments regarding the project and will proceed accordingly.

A project review form is enclosed for your use.

Sincerely,

BUCHER, WILLIS & RATLIFF CORPORATION

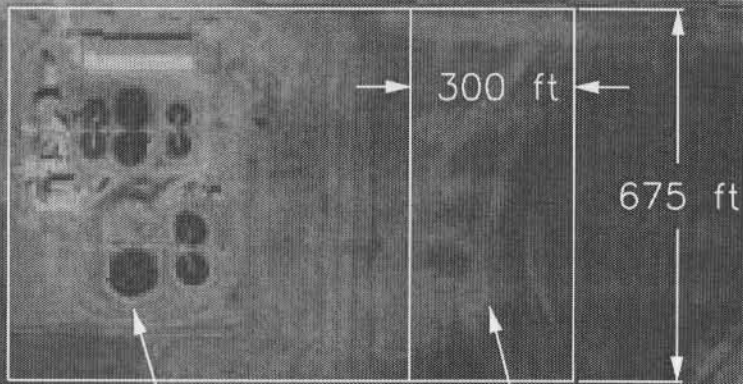
A handwritten signature in black ink, appearing to read 'Scott Wetzel', is written over the printed name.

Scott Wetzel, P.E.

Project Manager

V.P. Environmental Engineering

Enclosure



Proposed Expansion Area

Existing Wastewater Treatment Facility Site
City of Abilene, Kansas (Dickinson County)
NE1/4,NW1/4,NW1/4,S27,T13,R2

Effluent Discharge to
Smoky Hill River

350' 0 350'
Scale: 1"=350'

BWR **BUCHER, WILLIS & RATLIFF**
CORPORATION
601 WEST NORTH STREET, SUITE 100, KANSAS CITY, MO 64101-2603

Kansas Department of Health and Environment

APPLICATION FOR SRF LOAN ASSISTANCE		New	Amendment
Project Number	C 20-1657-01	Application Type	X

1. Legal Applicant / Recipient Applicant Name: City of Abilene Organization Unit: Municipality Street / PO Box: 419 Broadway/PO Box 519 City: Abilene County: Dickinson State / Zip code: Kansas 67410-0519 Contact Person Name: Mark Arbuthnot, City Manager Telephone Number: 785-263-2550	2. Type of Applicant / Recipient A. City B. County C. Other (Specify) Enter Appropriate Letter: A
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3. Title of applicants project	Wastewater Treatment Facility Improvements
4. Type of Project	Activated Sludge Treatment Process
5. Employer Identification Number	48-6017973
6. Area of project impact (Names of cities, counties, etc)	City of Abilene
7a. Congressional District / Applicant	1
7b. Congressional District / Project	1

8. Type of change	Increase dollars	\$ -
	Decrease dollars	\$ -

9. Proposed Funding	10. Project Start Date
SRF Loan 9a. \$ 6,683,600	03/01/05
Applicant 9b. \$ -	(Estimated)
CDBG 9c. \$ -	11. Project Duration
EPA 9d. \$ -	33
EDA 9e. \$ -	(Months)
Other 9f. \$ 1,000,000	12. Date Submitted
Total \$ 7,683,600	02/21/05 (Anticipated)
	(To KDHE)

13. Requested Loan Repayment Period (Must not be over 20 years)	20
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14. The applicant certifies that: To the best of my knowledge and belief, data in this pre-application / application is 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	This notice of intent / preapplication / application was made available to the state executive order 12372 process for review on: Date 01/19/05
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15. Certifying Representative	Signature
Name: Mark Arbuthnot	
Title: City Manager	

Mail completed application to: Kansas Department of Health and Environment Bureau of Water / Attn: Rod Geisler Municipal Programs Section, Suite 420 1000 SW Jackson Street Topeka, KS 66612-1367	If you need assistance please contact: Bill Mondt Administrative / Finance Section, Suite 420 1000 SW Jackson Street Topeka, KS 66612-1367 785-296-4049
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