

City of Leonardville - Wastewater System Improvements

Kansas Instruction 1940 J
Exhibit D

AGENCY REVIEW TRANSMITTAL FORM

Comments By: Kansas Geological Survey

10/16/03
Transmittal Date

This form provides notification and the opportunity for your agency to review and comment on this proposed project as required by Executive Order 12372. Review Agency, please complete Parts II and Parts III as appropriate and return to contact person listed below. Your prompt response will be appreciated (by **October 6, 2003**).

RETURN TO: Doug McKinney at North Central Regional Planning Commission
P.O. Box 565, 109 N. Mill St.
Beloit, KS 67420-0565

PART I REVIEW AGENCIES/COMMISSIONS

☐ Aging	☐ Education	☐ State Forester
☐ Agriculture -- DWR	☒ Geological Survey, KS	☐ Transportation
☐ Biological Survey, KS	☐ Health & Environment	☐ U.S. Corps of Engineers
☐ Conservation Commission	☐ Historical Society	☐ Water Office, KS
☐ Corporation Commission	☐ Social&Rehabilitation Services	☐ Wildlife & Parks
☐ Commerce		

PART II AGENCY REVIEW COMMENTS

COMMENTS: (Attach additional sheet if necessary)

The long-term benefits of lagoon^{re} construction should offset any short-term adverse impacts during reconstruction.

PART III RECOMMENDED ACTION COMMENTS

☒ Clearance of the project should be granted.	☐ Clearance of the project should not be delayed, but the Applicant should (in the final application) address and clarify questions or concerns indicated above.
☐ Clearance of the project should not be granted.	
☐ Clearance of the project should be delayed until the issues or questions listed above have been clarified.	☐ Request an opportunity to review final application prior to submission to the federal funding agency.
☐ Request a State Process Recommendation in concurrence with the above comments.	

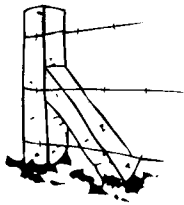
DIVISIONS/AGENCY/COMMISSION

Reviewer's Name:

Donald Whittemore

Date:

10/16/03



North Central Regional Planning Commission

109 N. Mill St., P.O. Box 565 • Beloit, Kansas 67420 • (785) 738-2218

September 17, 2003

Kansas Geological Survey
1930 Constant Ave., Campus West
The University of Kansas
Lawrence, KS 66047-3726

Dear Sirs:

The City of Leonardville is applying to the Kansas Department of Health and Environment and the Kansas Department of Commerce for project funding of wastewater system improvements-primarily lagoon reconstruction to control erosion problems. The objective of the effort is to make the system more environmentally sound and keep it in compliance with state and federal regulations.

The existing location, which is just south of the city will continue to be used during the construction process.

Information being provided to you for review includes a site map, a site photograph page, a project profile and a response form.

Please return the latter form to me in Beloit no later than *October 6, 2003*. In the mean time, contact me at (785) 738-2218, if you have questions.

Sincerely,

Doug L. McKinney
NCRPC, Project Planners/Administrators

Enc

Pc: Betty Fritz, City Clerk

STATE OF KANSAS
WATER/SEWER PROFILE
FOR STATE AND/OR FEDERAL ASSISTANCE

City/County Involved: Leonardville	Water/Sewer District:
Representative/Title: Gene Renner, Mayor	Employer ID#: 48-0725762
Address: City Hall, P.O. Box 189	
City/Zip Code: Leonardville, KS 66449	
Telephone/Fax: (785) 293-5211	Fax: 785-293-5791
County: Riley	
Profile Preparer: Doug McKinney, NCRPC	
Address: P.O. Box 565, 109 N. Mill	
City/Zip Code: Beloit, KS 67420-0565	
Telephone/Fax: (785) 738-2218	Fax: 785-738-2185
Engineering Firm: Schwab-Eaton P.A.	
Engineering Consultant: Mike Butler, P.E.	
Address: 1125 Garden Way	
City/Zip Code: Manhattan, KS 66502	
Telephone/Fax: (785) 539-4687	Fax: (785) 539-6419

Description of Need: (Be specific regarding general service area description, i.e., townships served, etc.)-----
The municipal wastewater treatment system is in need of improvement. The entire community of Leonardville is served by the deteriorated system. The city uses wastewater stabilization ponds to receive and treat municipal wastewater. The three cells are four decades old and have deteriorating sidewalls and floors. Sludge buildup is a slight concern. Moreso, is the reduction of treatment area due to the wall slumping and reduced surface area.

Proposed is to shore up the sidewalls and improve the slopes of each of the three lagoons. Each cell has a perimeter of 1000 feet. With improved side slope ratios of 3:1 and a total depth of 8 feet, the side slope length is about 25 feet. Slope restoration and long-term preservation is an objective of the project. Concrete aprons such as that used in Tescott or Mankato is of interest for Leonardville's wastewater lagoon embankments.

Alternatives Considered To Date:

The city already owns the wastewater site so no acquisition changes are proposed. The materials for construction also considered are limestone rock, quartzite stone or another type of rip-rap. Per engineering consultations this is not as durable as concrete. Not removing lagoon floor sludge is also a short-term cost savings consideration.

Also, restoration using a poly-type liner is another alternative though perceived more costly in the long-run and not as durable as the other materials of consideration.

Considered issuing revenue bonds and long-term debt of Rural Development. Lower interest rates from the SRF program seem more affordable for about half of the estimated project cost.

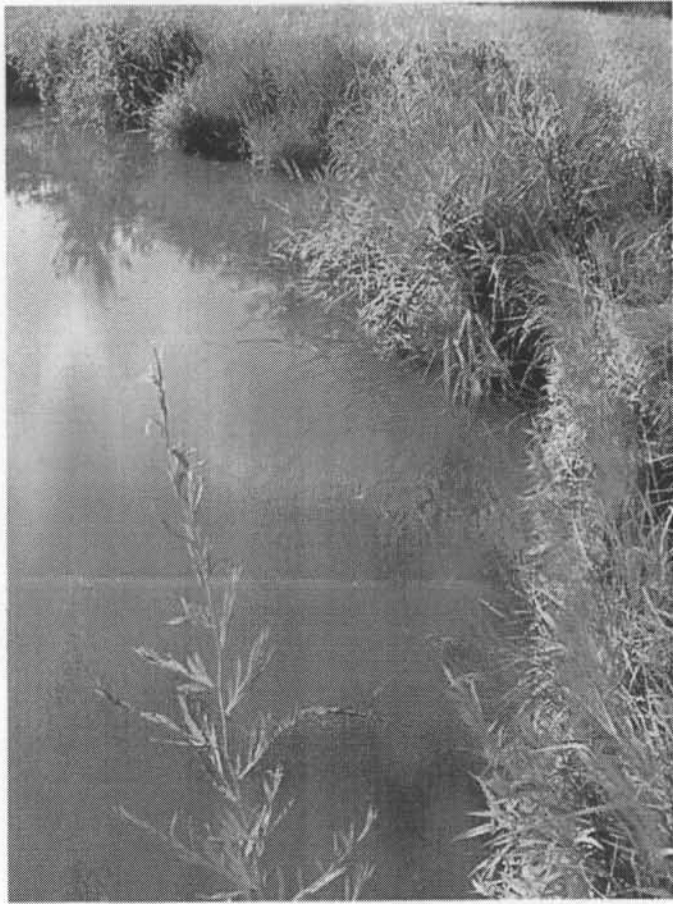
If invited to KIAC meeting, entity must provide information on outstanding debt for applicable facility (amount, interest rate, annual obligation, term, lender, etc.): also, the last two years' financial statements for an existing facility, or the first-year cost and rate projections for any new facility.



CITY OF LEONARDVILLE

**WASTE STABILIZATION
PONDS**





Eroded Embankments with Heavy Vegetation at Water Surface