

INTERGOVERNMENTAL REVIEW TRANSMITTAL FORM

Comments By: Kansas Geological Survey Transmittal Date July 21, 2005

Project Title: Water System Improvements, City of Lane, Kansas

Contact Person: Mike Dalrymple, P.E., Project Engineer

Return To: KRAMER ENGINEERING, P.A.
2348 SW Topeka Blvd.
Topeka, Kansas 66611-1286

This form provides notification and the opportunity for your agency to review and comment on the proposed project as required by Executed Order 12372. Please complete Parts I and II as appropriate. Your response by August 22, 2005 will be appreciated.

PART I - AGENCY REVIEW COMMENTS:

The improvements to the water supply system should improve the quality of the water in cases where particulates and microorganisms might migrate from the creek through coarser grained sediments to the well intake. The long-term benefits of the improved water quality should offset any short-term adverse environmental impacts during construction.

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 application prior to submission to the federal funding agency.
- ☐ Request the State Process Recommendation in concurrence with above comments.

Reviewer's Name: Donald Whittemore Date: 8/15/05



KRAMER ENGINEERING, P. A.

CONSULTING ENGINEERS • SURVEYORS

2348 SW TOPEKA BLVD • TOPEKA, KANSAS 66611 • 785-234-6600 • FAX 785-234-6611

July 21, 2005

Re: Water System Improvements
City of Lane, Kansas
Kansas Public Water Supply Loan Fund
KPWSLF Project No. 2407

Dear Addressee:

Enclosed for your comments are Intergovernmental Review Forms for the referenced project with attached project description and site location map. Please complete the transmittal form and return it to our office by August 22, 2005.

The City of Lane, Kansas, is preparing an application to the Kansas Department of Health and Environment for a loan from the Kansas Water Supply Loan Fund for the referenced project. This project will comply with appropriate state laws concerning the application.

If you have any questions about the review or the project, please contact me at (785) 234-6600.

Sincerely,

KRAMER ENGINEERING, P.A.

Mike Dalrymple, P.E.
Vice President

MAD/cs

Enclosures



KRAMER ENGINEERING, P. A.

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WATER SYSTEM IMPROVEMENTS CITY OF LANE, KANSAS

KANSAS PUBLIC WATER SUPPLY LOAN FUND PROJECT NO. 2407

July 21, 2005

The City of Lane, Kansas, (City) serves an area of approximately 15 square miles in Franklin County located southeast of Ottawa. The City presently serves about 126 users with an estimated 300 persons directly served by the distribution system. The population of the City is projected to steadily grow over the next 20 years.

The existing water system consists of a single ground water well, chlorination building, distribution system, and elevated water tower. The untreated water is withdrawn from the well and chlorinated at the chlorination building across the road from the well as shown on the attached Site Location Map. The chlorinated water is stored in the elevated storage tank near the city park and is distributed to the customers through the water distribution system.

Improvements to the existing water system are being made so the City can comply with KDHE and EPA drinking water regulations for groundwater supplies under the influence of surface water (GWUI). In 2004, the City was ordered by KDHE to discontinue use of its existing well supply until it could be properly treated as KDHE has determined that the groundwater supply was under the direct influence of surface water. The City currently uses its backup water supply connection with Franklin County RWD #6, but this connection was for supplemental purposes only and not long term total City water supply.

The City has decided to construct a membrane filtration plant with chlorine contact basin to treat its existing well water supply. All plant improvements will be located in a building adjacent to the existing chlorination building on City owned property. Additional property and easements will not be needed for the project.

The opinion of probable project cost is \$ 380,000, which includes engineering, legal, testing, and inspection services, construction, equipment, materials, supplies, labor, and interest during construction all needed to complete the project. The City plans to finance the project with Kansas Public Water Supply Loan Funds administered by KDHE. Also, the City expects to increase water rates to repay any borrowed funds.

WATER PLANT
SITE IMPROVEMENTS
(Sec. 34-T18S-R21E)

EXISTING WELL
(Sec. 33-T18S-R21E)

WATER SYSTEM
IMPROVEMENT
PROJECT
SITE LOCATION
LANE, KANSAS

KRAMER ENGINEERING P.A.
TOPEKA, KANSAS

CITY
LIMITS

POTTAWATOMIE

Branch

Creek

Quarry

Lane Cemetery

Lane

33

34

32

BR 870

BR 874

9/1

9/6

5

ch

895

908

866

865

870

905

870

9/1

9/6

5

ch