

INTERGOVERNMENTAL REVIEW TRANSMITTAL FORM

Comments By: Kansas Geological Survey Transmittal Date May 27, 2003

Project Title: Crawford County Sewer District No. 5, Wastewater Collection and Treatment for the Communities of Radley and South Radley, Crawford County, Kansas

Contact Person: Cara C. Hendricks, E.I.T., 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 July 1, 2003 will be appreciated.

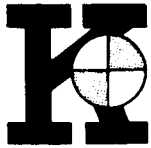
PART I - AGENCY REVIEW COMMENTS:

*Short-term adverse impacts of construction should be offset by the substantial benefits of lower health hazard and decreased contamination to streams during runoff from rain storms that will result from the improved wastewater handling and treatment.*

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: 5/29/03



**KRAMER ENGINEERING, P. A.**

*CONSULTING ENGINEERS • SURVEYORS*

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May 27, 2003

Kansas Geological Survey  
Attn: Donald Whittemore  
University of Kansas  
1930 Constant Avenue – Campus West  
Lawrence, KS 66047

Re: Crawford County Sewer District No. 5  
Wastewater Collection and Treatment  
For the Communities of Radley and South Radley

Dear Mr. Whittemore:

Enclosed for your comments is an Intergovernmental Review Form for the referenced project and project description. Please complete the transmittal form and return it to our office by July 1, 2003.

The referenced project will comply with appropriate state laws concerning the application.

If you have any questions about the review or the project, please contact me.

Sincerely,

KRAMER ENGINEERING, P.A.

Cara C. Hendricks, E.I.T.  
Project Engineer

CCH/cs

Enclosure

**WASTEWATER COLLECTION AND TREATMENT  
FOR THE COMMUNITIES OF RADLEY AND SOUTH RADLEY**

**CRAWFORD COUNTY, KANSAS**

**May 27, 2003**

The communities of Radley and South Radley, which have a total of 62 homes and an estimated population of 148 persons, are located approximately one mile apart in Crawford County, southeast of the City of Girard. Currently, there are no public sewers or public sewage treatment facilities for the Radley or South Radley areas. All wastewater treatment and disposal is provided by private onsite facilities or waste is discharged untreated.

Current onsite disposal systems used in Radley and South Radley consist of septic tank/lateral fields, cesspools, surface discharges to ditches and/or yard areas and discharges to abandoned wells. Of the 62 homes in these two communities, 75% to 85% are experiencing failures of their onsite treatment systems. Discharge of untreated sewage from the failing onsite systems is causing pollution of groundwater and public health hazards from ponding untreated sewage in ditches and yards.

Crawford County received a Kansas Nonpoint Source Pollution Control Project Grant to fund an engineering study to evaluate and recommend a solution to effectively eliminate or significantly reduce pollution in the area caused by discharges of untreated wastewater.

Several alternatives for effective wastewater collection and treatment were evaluated for the two communities. Some of the alternatives considered for the wastewater collection system included a conventional gravity sewer system, a low pressure sewer system, and a combination of gravity and pressure sewer. Some of the alternatives for wastewater treatment options included a waste stabilization pond for the two communities, and treatment by the City of Frontenac.

The selected alternative for wastewater collection and treatment for the two communities is the construction of a conventional gravity sewer system with two pump stations, one serving Radley and one serving South Radley, pumping the wastewater to the City of Frontenac for treatment. Crawford County Sewer District No. 5 was formed by the County following the receipt of a petition from the residents of Radley and South Radley. The proposed project consists of approximately 10,400 feet of 8 inch PVC sewer main, two pump stations, and approximately 15,200 feet of 4 inch force main, which will run from the pump station in South Radley along the county road to the Frontenac pump station in Capaldo for wastewater treatment.

The opinion of probable project cost is \$834,300.00. The County will utilize Rural Development funds and plans to apply for a Community Development Block Grant to help pay for the project. The County also will establish a sewer use ordinance to create sewer rates to pay for the project.

# COMMUNITIES OF RADLEY AND SOUTH RADLEY PROJECT PLANNING AREA MAP

