



KANSAS GEOLOGICAL SURVEY

1930 Constant Ave., Campus West
The University of Kansas
Lawrence, Kansas 66047-3726
phone 785-864-3965
fax 785-864-5317

Proposed Project for Application to the Kansas Department of Health and Environment for the Kansas Public Water Supply Loan Fund, and to the Kansas Department of Commerce Grant

Applicant: City of Eureka
Secondary Water Supply System Improvements

Contact Person: Bruce Boettcher, P.E.
Address: BG Consultants, Inc.
2508 W. 15th Avenue
Emporia, KS 66801

Sent to the Kansas Geological Survey for environmental review.

Agency Review Comments:

The project appears to involve the installation of a water-supply pipeline that will transport raw water from Eureka City Lake through a 10" then an 8" pipeline to the City of Eureka. The pipeline appears to cross primarily agricultural land. The bedrock underlying the pipeline path is primarily composed of alternating layers of Pennsylvanian shales and limestones. There may be locations where the soil is relatively shallow where it crosses some of the limestone units. Construction issues at these locations will need to be addressed for burying the pipe at an appropriate depth. In general, the long-term benefits of the improvements to the water supply system should offset any short-term adverse environmental 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

9/12/06
Date


Reviewer's Signature

The above discussion represents our best assessment based on the information that the Kansas Geological Survey has about this locality and/or proposed project at the time of this writing. Other geologic conditions, not discussed herein, or for which the Kansas Geological Survey has no knowledge, may affect the viability or safe operation of this facility or property. The information provided in this letter is from regional or county-wide studies and should not be used as a substitute for detailed site characterization by a licensed geologist or engineer. It is the responsibility of the applicant to provide any required site characterizations.

August 10, 2006

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

RE: Environmental Review – Eureka, KS – Secondary Water Supply

Dear Dr. Harrison,

The City of Eureka, Kansas will be applying for a \$400,000 grant from the Kansas Department of Commerce and a KDHE loan of approximately \$1,598,300 to upgrade the city's secondary water supply system. The grant request will be submitted October 2, 2006.

The improvements are located in Sections 10, 15, 22, 27, and 34, Township 25S, Range 11E, Greenwood County, Kansas. The improvements will be at the Eureka City Lake and replacement of the raw water supply line that connects to the water treatment plant. Enclosed is a map of the project location.

Please submit your response to BG Consultants, 2508 W. 15th Avenue, Emporia, KS 66801.

If you have questions please call me at 620-343-7842.

Sincerely,



Bruce Boettcher, P.E.
Office Manager



Also

Lawrence, Ks. • Hutchinson, Ks. • Manhattan, Ks.

