

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.

Applicant: City of Tonganoxie
Project: Interconnect with BPU Waterline

Contact Person: Kathy Y. Bard, Asst. City Administrator
Address: City of Tonganoxie
City Hall
321 S. Delaware, PO Box 326
Tonganoxie, KS 66086

Sent to the Kansas Geological Survey for environmental review.

Agency Review Comments:

The long-term benefits of the improved water-supply capacity to be provided by the project 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

3/14/06
Date

Donald Whittemore
Reviewer's Signature

Disclaimer to be added to KGS Agency Review letters:

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 countywide 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.

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Donald Whittemore
Reviewer's Name

Geohydrology Section, Kansas Geological Survey
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Date


Reviewer's Signature



The City of Tonganoxie, Kansas

P.O. Box 326
Tonganoxie
Kansas 66086

City Hall
321 S. Delaware
(913) 845-2620

City Administrator
321 S. Delaware
(913) 845-2652

City Attorney
P.O. Box 664
Tonganoxie
KS 66086
(913) 845-8780

City Shop
316 S. Main
(913) 845-2640

Water Plant
1536 E. 4th
(913) 845-2135

Chief Tonganoxie
Swimming Pool
221 S. Main
(913) 845-9455

Library
303 S. Bury
(913) 845-3281

Fire Station
Headquarters
825 E. 4th
(913) 845-9494

Police Department
Admin. Office
603 E. 4th
(913) 369-3754

Non Emergency
Police Dispatch
(913) 845-2311

Emergency
911

City Hall Fax
(913) 845-9760

Interconnect with BPU Waterline Project City of Tonganoxie, Kansas Leavenworth County

Environmental Assessment

**Re: Request for consultation regarding the proposed
project in accordance with 36 CFR 800**

Project Location:

**South Side of US 24/40 from 142nd Street
West to Laming Road then South to the Water
Treatment Plant at 4th Street**

**City of Tonganoxie, Kansas, Leavenworth
County.**

City of Tonganoxie, Kansas

Interconnect with BPU Waterline Project

I. GENERAL INFORMATION

Project Name:	Interconnect with BPU
Project Location:	South Side of US 24/40 from 142 nd Street west to Laming Road then South to the Water Treatment Plat at 4 th Street
	City of Tonganoxie and Leavenworth County
Type of Project:	The project includes approximately 52,800 feet of 12" waterline constructed within private easements or within the US 24/40 right of way.
	Cost: \$ 2,634,308.64
Sources of Funding	KDHE Revolving Loan
Applicant & Contact	City of Tonganoxie City Hall 321 S. Delaware, P O Box 326 Tonganoxie KS 66086 Kathy Bard, Asst. City Administrator (913) 845-2620

II. DESCRIPTION OF PROJECT NEED

The City of Tonganoxie, Kansas currently operates with two sources of water neither being capable of supplying adequate capacity to serve the City as an independent water source. Tonganoxie's water system is currently supplied with a combination of treated well water from City owned and operated wells and a connection from the Wholesale Water District No. 6.

Tonganoxie's 2005 average daily water demand is 370,000 gallons per day (gpd) with a peak system demand of 409 gallons per minute (gpm). The 2005 safe yield from the existing wells is 210 gpm leaving the remaining need for 199 gpm from a secondary water source.

Currently, the City of Tonganoxie has a 150-gpm allocation from the Wholesale Water District No. 6. The current allocation from the Wholesale District in combination with the safe yield of the City wells is inadequate to provide the City with water during peak system demands.

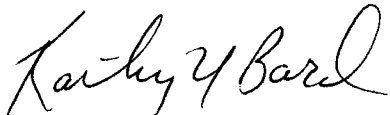
The project does require easement acquisition, and portions of the project are in the flood plain.

Any engineering questions can be directed to the project engineer Brian Kingsley, P.E., BG Consultants, Inc. 785-749-4474.

The proposed solution is to run a 12" waterline constructed within private easements and within the US 24/40 state highway right-of-way. The waterline will be constructed with approximately 42" of earth cover to the top of the pipe in a trench approximately 4 feet in width from the existing plant down the south side of 24/40 to interconnect with the BPU waterline.

The City of Tonganoxie is requesting that your organization review the enclosed project and return comments regarding environmental or historical impact to the above-mentioned address by ^{March}February 15, 2006. If we do not receive comment by such date, it will be assumed that a finding of no significant impact was reached by your organization concerning the project. Thank you for your time and consideration of this matter.

Sincerely,

A handwritten signature in cursive script, reading "Kathy Y. Bard".

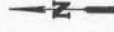
Kathy Y. Bard
Asst. City Administrator

City of Tonganoxie Interconnect with BPU Waterline



LEGEND

- PROPOSED WATERLINE
- PROPOSED BOOSTER STATION
- PROPOSED WATER TOWER



Scale: 1"=500'



BG CONSULTANTS, INC.
ENGINEERS-ARCHITECTS-SURVEYORS
LAURENCE, KANSAS HUTCHINSON, KANSAS
MANHATTAN, KANSAS EMPORIA, KANSAS

Date: 05-20-05

05-087L