

November 26, 2007

Phillip Fishburn
Midwest Assistance Program
P.O. Box 491
Haven, KS 67543

Dear Mr. Fishburn,

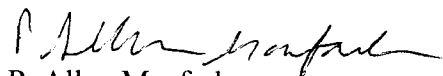
I have reviewed the proposed project to make improvements to the existing water supply system for Crawford County RWD 1.

Based on the documents attached to your request, it does not appear that there are any potential geologic hazards worth noting that might impact this project.

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.

If you have questions please do not hesitate to contact me at my office (785 – 864-2068).

Sincerely yours,


P. Allen Macfarlane

AGENCY REVIEW TRANSMITTAL FORM

Comments by Dr. Lee Allison, Dir.
KS Geological Survey
1930 Constant Avenue
Lawrence, KS 66047

Transmittal Date
11-13-07

PROJECT TITLE: Crawford County RWD #1
Crawford County, Kansas

☐ Notification of Intent
☐ Preapplication
☐ Final Application
☐ Direct Development

CONTACT PERSON: Phillip Fishburn, Midwest Assistance Program, P.O. Box 491, Haven, KS 67543
Voice: 620-465-2780 Fax: 620-465-2596 email: pfishburn@havenks.net

This form provides notification and the opportunity for your agency to review and comment on this proposed project required by Executive Order 12372. Please complete Parts II & III as appropriate. Your prompt response will be appreciated.

RETURN TO:
Phillip Fishburn
MAP, Inc
P.O. Box 491
Haven, KS 67543
Fax: 620-465-2596

Or to: Dale Yager (USDA- RD) telephone: 620-365-2901

PART I REVIEW AGENCIES/COMMISSIONS

	Aging		Education	x	State Forester
x	Agriculture-DWR	x	Geological Survey,KS		Transportation
x	Biological Survey,KS	x	Health & Environment	x	Water Office. Kansas
x	Conservation Commission	x	Historical Society	x	Wildlife & Parks
x	Corporation Commission		Human Resources	x	Other
	Commerce		Social & Rehab. Service		SCKEDD
					KS Rural Water District

PART II (To be completed by review agency and returned to contact person) AGENCY REVIEW COMMENTS

COMMENTS:

See attached letter

Part III (To be completed by review agency and returned to contact person)

RECOMMENDED ACTION COMMENTS

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

Division/Agency/Commission

Reviewer's Name: *P. Blinn Macfarlane* Date: *11/26/07*

PLEASE FAX THIS FORM TO 620-465-2596 or Mail To Midwest Assistance Program. THANK-YOU

Project Description

Crawford County Rural Water District #1, Crawford County, Kansas is proposing an infrastructure improvement project to replace existing aged water distribution mains and to build additional new lines.

The project area is located in Washington Township of Crawford County, Kansas. This is an established rural water district that serves 212 connections. The District was built in the early 1960's, and many of the original water mains are in still being used. Aged lines have increasingly caused problems. The forty plus year old lines have deteriorated and break apart easily (crumble) leading to significant water loss and potential contamination from a back siphoning event. Some of the worst lines have been replaced during the last 5 years, but the remaining lines are in poor condition and undersized in capacity. Many of the mains are dead end mains that are not looped into the rest of the distribution system.

The District's water source is a deep well. The water quality is good and the supply sufficient. The District has no water storage tower. Capacity in the pipeline is used to maintain proper chlorine contact times and proper disinfection.

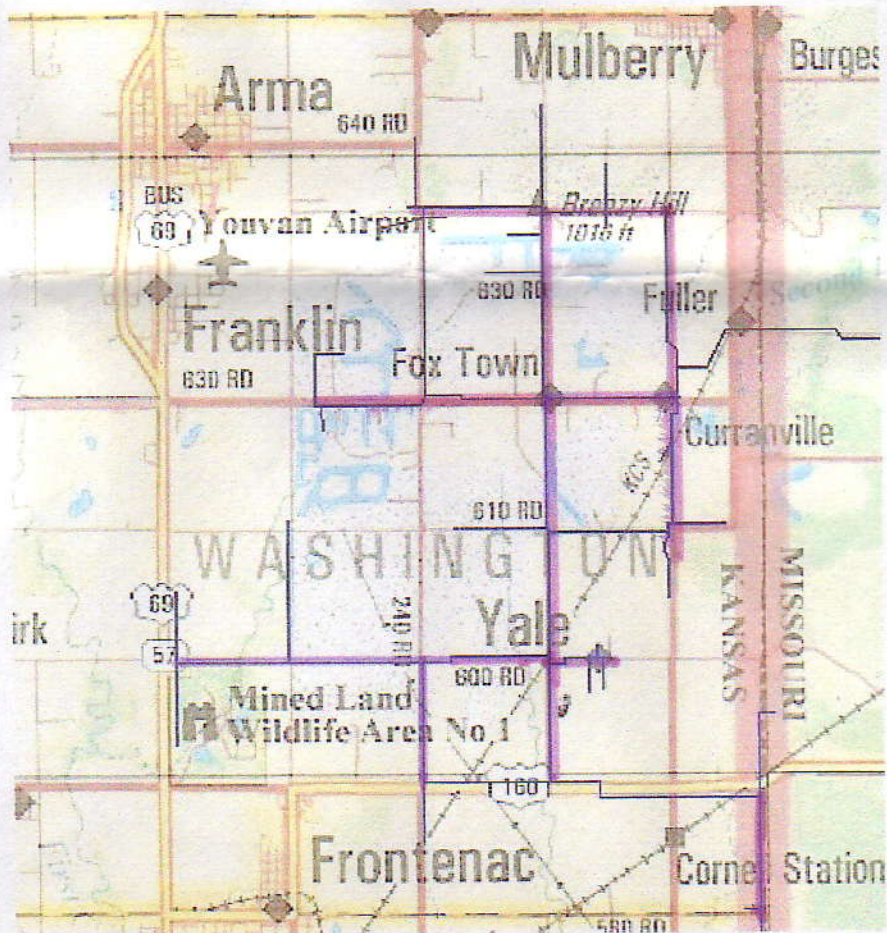
The most notable environmental feature in the project area are the areas which were stripped mined for coal. Many of the areas have been reclaimed and returned to vegetation. Several open strip mines are now filled with water, and specialized eco-systems have developed in them and in the riparian areas around these open pits. Below mounds of abandon tailings and removed overburden (gobs), groundwater often percolates to the surface to create springs, wetlands, or running water in streams. Some of these bodies of water are adjacent to the township roadway. The water mains along these roads are laid in the township road right of way. When replacement water lines are constructed, it will be important to minimize erosion and to protect riparian areas. Wetlands will be avoided.

The need for the project is to:

- (1) Protect the health and safety of users – frequent breakage of deteriorated old water mains become a possible location for contamination to enter into the system. Current lines need to be upsized and looped for the better distribution of disinfectant and to insure proper contact time with the disinfectant.
- (2) Conservation of groundwater – the water loss rate for the District has been as high as 50% in recent years. The aquifer which many public water systems in southeast Kansas use is being over utilized. Officials fear that without prudent use of the aquifer, it may go dry. Leaked water migrates to open pit mines from which the water is evaporated. The leaked water does not recharge the aquifer because of the extreme depth of aquifer.
- (3) A dependable source of potable water for a growing population – the population of the township is growing. Homes in the rural area use on-site wastewater treatment systems. Many rural homes are close to each other, and the use of such systems will eventually lead to the contamination of shallow groundwater sources that such homeowners would likely use if potable water from a rural water district system was not available. The capacity of lines of the rural water district must be expanded to handle future and expected population growth so all households in the area will have access to potable water.

Questions about the proposed project should be directed to the project engineer. Rex Heape is the project engineer. He may be contacted at Shafer, Kline, and Warren, Inc., 216 N. Jefferson, Iola, KS 66749; telephone: (620) 365-5101 or e-mail at: heape@skwarr.com.

The District is applying for funding from USDA Rural Development, the Kansas Department of Health and Environment, and from the Community Development Block Grant program of the Kansas Department of Commerce and Housing. The environmental report is being develop for Rural Development by Phillip Fishburn, Midwest Assistance Program, P.O. Box 491, Haven, KS 67543; telephone: (620) 465-2780 or e-mail at: pfishburn@map-inc.org/



MAP KEY

- Areas Of Construction
- Existing Or Planned New Line

