

July 6, 2009

Alan Luttrell, P. E., City Engineer
EBH & Associates
306 S. Main St.
Pratt, KS 67214

RE: City of Bucklin, Sewage Treatment Facilities Improvements

Dear Mr. Luttrell,

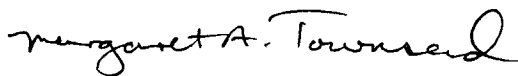
The Kansas Geological Survey (KGS) has received your letter dated June 17, 2009, requesting environmental review comments for the above referenced project.

A review of regional geologic information and project information provided with the request indicates that there are no unduly adverse geologic conditions that should affect this project. Site-specific conditions may need to be considered prior to commencement of the project. A completed request-for-comments form is enclosed.

This assessment was based on regional geologic and project information available to the KGS at the time of the review and should not be used for a detailed site characterization. Other geologic conditions, not discussed herein, or for which the KGS has no knowledge, may affect the feasibility of this project. It is the responsibility of the applicant to provide any necessary site characterizations, geotechnical or environmental testing, or design by a licensed professional geologist or engineer to complete the project.

If you have questions please do not hesitate to contact me at my office.

Sincerely yours,



Margaret A. Townsend
Hydrogeologist

**Sewage Treatment Facility Improvements 2009
City of Bucklin, Kansas**

The following form may be used by the Review Agency/Commission for comments in response to the request for clearance from the proposed Public Water Supply Loan Fund Project.

_____	Army Corps of Engineers
_____	Kansas Biological Survey
_____	State Conservation Commission
_____	Kansas Corporation Commission
_____	Kansas Department of Health & Environment
_____	Division of Water Resources/Kansas Department of Agriculture
<u>✓</u>	Kansas Geological Survey
_____	Kansas State Historical Society, State Historic Preservation Office
_____	Kansas Water Office
_____	Kansas Department of Wildlife & Parks
_____	US Dept. of Agriculture – Natural Resources Conservation Service
_____	Kansas Department of Health and Environment
_____	US Dept. of the Interior – Fish and Wildlife Service

Agency Review Comments: (to be completed by reviewing agency and returned to applicant contact person at name and address shown below.)

Comments: see attached letter.

Recommended Action: (to be completed by the review agency and returned to applicant contact person at name and address shown below.)

<u>✓</u>	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, by the applicant (in the application) address or clarify the questions or concerns indicated above.)

<u>Margaret A. Townsend</u>	<u>KGS</u>	<u>7-6-09</u>
Reviewer's Name	Division/Agency/Commission	Date

Project Title: Bucklin, Kansas Sewage Treatment Facilities Improvements 2009

Applicant: City of Bucklin, Kansas

Contact Person: Alan Luttrell, P.E., City Engineer

Address: 306 S. Main St.

City, State, Pratt, KS Zip 67124 Phone: 620-672-1112

EBH & Associates

Evans - Bierly - Hutchison & Associates, P.A.

306 S. Main
Pratt, Kansas 67124
(620) 672-1112
FAX (620) 672-1909

ENGINEERS • SURVEYORS

E-Mail: alanl@ebhengineering.com

June 17, 2009

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

Re: Intergovernmental Review for Environmental Clearance/Comment
Kansas Water Pollution Control Revolving Loan Fund (KWPCRLF) Program
Wastewater Treatment Facilities (WWTF) Improvements
City of Bucklin, Kansas

Dear Sirs,

The City of Bucklin, Kansas is applying for a loan through the KWPCRLF program administered by the Kansas Department of Health & Environment (KDHE) for the financing of a major WWTF Improvements project. As a part of the process, KDHE must prepare an environmental clearance document for the project based on clearances/comments received from an intergovernmental review.

The purpose of this letter is to request such a review from your agency. Enclosed are data and information regarding the project, hopefully sufficient for your needs. However, if further information or assistance is needed, please contact me at (620) 672-1112.

Due to the nature of the stimulus funding and completion of this assessment in a timely manner, I request your immediate consideration of this request. Please return the review form to my attention as soon as possible, as indicated on the Project Review Form. You can fax me your response at 620-672-1112 and mail the original to me at 306 S. Main St., Pratt, KS 67124. Should you have any questions or need additional information, please e-mail my office at alanl@ebhengineering.com or call me at 620-672-1112.

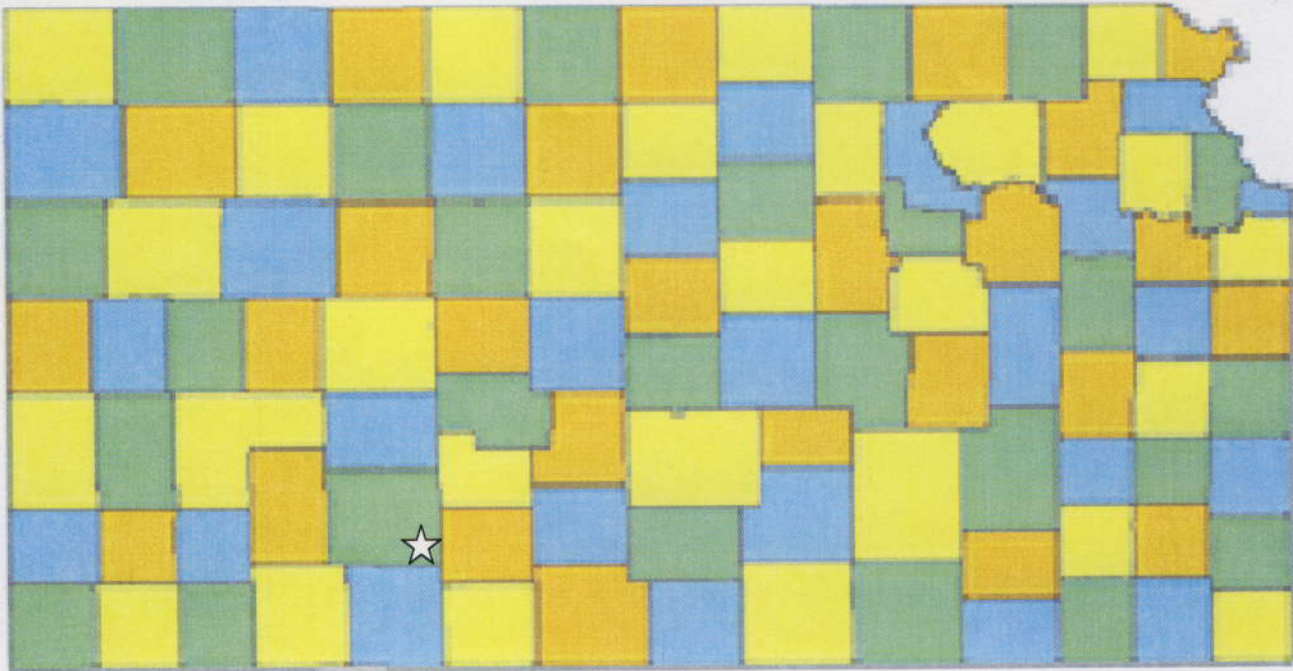
Sincerely,



Alan Luttrell, P.E.
EBH Engineers

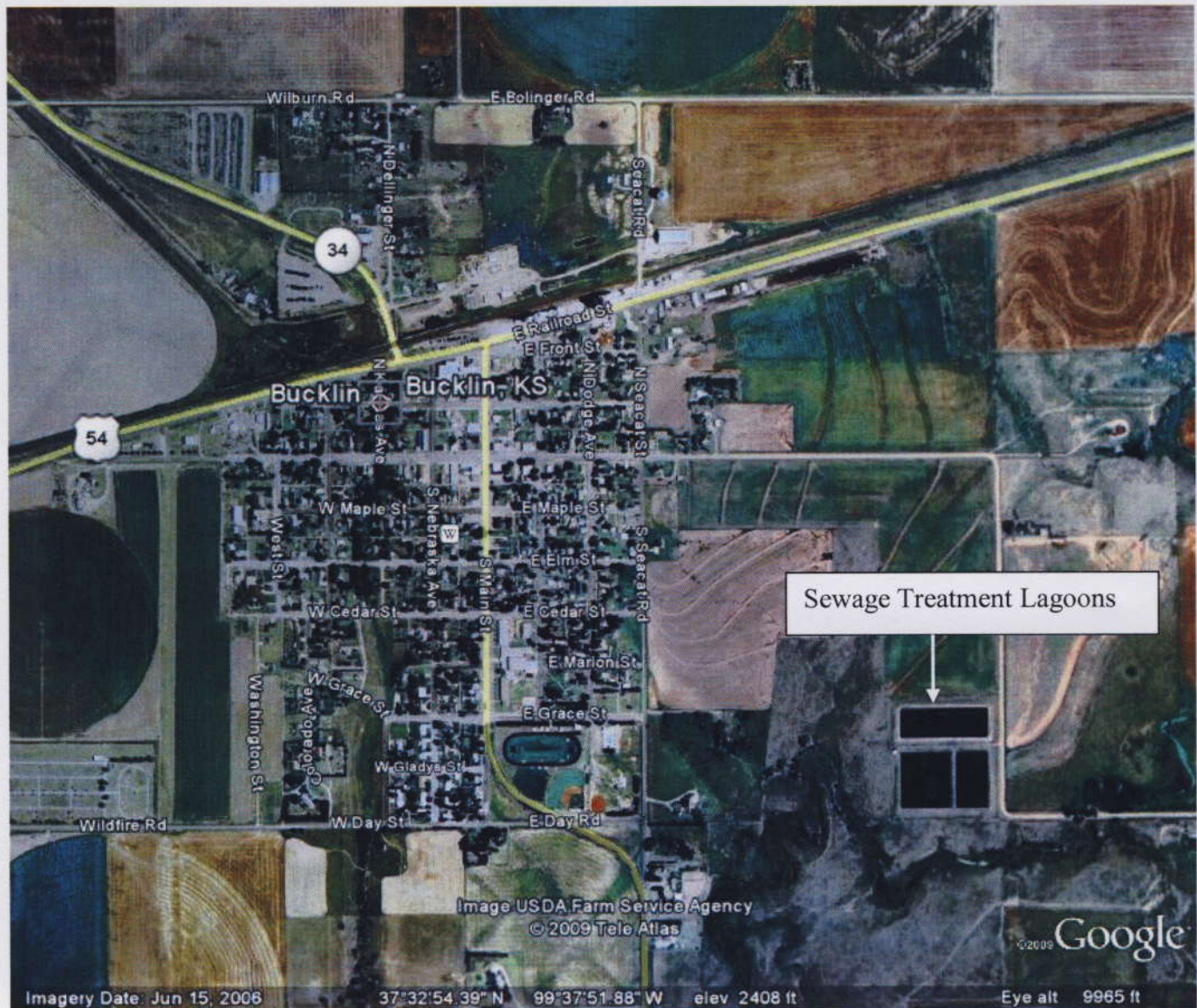
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Wastewater Treatment Facilities Improvements Bucklin, Kansas



General Location Map

Bucklin, Kansas
Sewage Treatment Facility Improvement 2009



Project Description

The City's current wastewater treatment facility (WWTP) consists of a three-cell lagoon system which is not operating in compliance with the provisions of Kansas Permit Number M-AR78-NO01.

After considering several alternatives and the capital costs involved, the existing three-cell sewage treatment lagoon system will be renovated to meet current KDHE requirements. All work will be done within the existing sewage treatment plant site. The plant upgrading will include the following work:

1. Add pond circulators.
2. Seeding as required for construction.
3. Re-pipe and install concrete structures between the three lagoon cells.
4. Remodel or replace the outlet structure.
5. Repair and raise concrete liner slope protection on lagoons 2 and 3.

The City is pursuing a low interest loan through the KWPCRLF program administered by the Kansas Department of Health and Environment (KDHE) for financing the project. The estimated project cost is \$766,000.

Bucklin is located in the southeast part of Ford County in south central Kansas, - see attached General Location Map. The existing WWTP is located southeast of town (SE $\frac{1}{4}$, SE $\frac{1}{4}$, Section 4, Twp. 29 South, Range 21 West), see attached Project Location Map.

The proposed renovation consists of improvements at the current wastewater treatment facility location and no households or businesses will be displaced nor are there any known sensitive fish or wildlife habitats proximate to the proposed project area. The renovated lagoon will be sealed to KDHE standards.

EBH & Associates

Evans - Bierly - Hutchison & Associates, P.A.

306 S. Main
Pratt, Kansas 67124
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FAX (620) 672-1909

ENGINEERS • SURVEYORS

E-Mail: alanl@ebhengineering.com

**OPINION OF PROBABLE COST
SEWER SYSTEM IMPROVEMENTS
BUCKLIN, KANSAS
June 9, 2009**

Scope of Work: Add pond circulators to all three ponds. Remodel outlet structure, add new interconnect structures between ponds, remove and replace existing bad concrete on two south ponds and raise the concrete liner to the top of the dikes on the south two ponds.

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENSION
1	Pond Circulators	1	L.S.	\$ 135,000.00	\$ 135,000.00
2	Structures btwn. Ponds	2	Each	\$ 30,000.00	\$ 60,000.00
3	Remodel outlet structure	1	Each	\$ 30,000.00	\$ 30,000.00
4	Concrete Removal	1,700	S.Y.	\$ 20.00	\$ 34,000.00
5	Concrete Apron	6,000	S.Y.	\$ 40.00	\$ 240,000.00
6	Dike Reconstruction	1	L.S.	\$ 65,000.00	\$ 65,000.00
7	Piping Between Structures	1	L.S.	\$ 30,000.00	\$ 30,000.00
8	Seeding	1	L.S.	\$ 11,000.00	\$ 11,000.00
TOTAL CONSTRUCTION COSTS					\$ 605,000.00
Engineering					\$ 55,000.00
Construction Engineering					\$ 66,000.00
Administration					\$ 20,000.00
Construction Staking					\$ 10,000.00
Legal and Fiscal					\$ 10,000.00
OPINION OF PROBABLE COST					\$ 766,000.00