

**Proposed Project for Application to the USDA Rural Development Administration and the
Kansas Department of Health and Environment (Kansas Water Pollution Control
Revolving Loan Fund)**

Applicant: City of Nickerson
Wastewater Treatment Facility Improvements

Contact Person: Jim Kohman

Address: EBH & Associates
1105 Williams
Great Bend, KS 67530

Sent to the Kansas Geological Survey for environmental review.

Agency Review Comments:

In general, the long-term benefits of the improvements to the wastewater treatment system should offset any short-term adverse impacts during construction.

Particular issues that may need to be considered include:

1. The frequency and amplitude of high-water levels in Cow Creek, the proposed outfall location for treated wastewater effluent if a new facility is the selected alternative, are different from those in the Arkansas River. Thus, if a new wastewater treatment facility involves effluent discharge to Cow Creek instead of the Arkansas River, the treatment facility will need to consider how to temporarily operate or be engineered to continue operation under conditions in which the water level may be high enough in Cow Creek to interfere with effluent disposal.
2. The salinity of the current wastewater effluent, which could be either smaller or greater than that of the Arkansas River into which it is discharged depending on the river condition, could be greater than that of Cow Creek. This may be an issue for consideration for the total maximum daily load (TMDL) process for Cow Creek.

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

1/7/05
Date


Reviewer's Signature

EBH & Associates

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

1105 Williams

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(620) 793-8411

FAX (620) 793-8413

ENGINEERS - SURVEYORS

December 8, 2004

Dr. Lee Allison
Kansas Geological Survey
KU-1930 Constant Ave-Campus West
Lawrence, Kansas 66047

RE: USDA Rural Development Administration (RDA) Environmental Review/
Kansas Water Pollution Control Revolving Loan Fund (KWPCRLF) Program
Wastewater Treatment Facility Improvements
City of Nickerson, Kansas

Dear Dr. Allison:

The City of Nickerson in Reno County, Kansas is in the process pursuing funding from the RDA, and applying for a loan through the KWPCRLF program administered by the Kansas Department of Health and Environment (KDHE) for the financing of a major WWTF Improvements project. As part of these processes, an environmental review pursuant to the National Environmental Policy Act must be conducted (RDA) and an environmental clearance document based on clearance/comments received from an intergovernmental review must be prepared (KDHE).

The purpose of this letter is to request such a review from your agency for use for both RDA and KDHE. The project extent is described on the attached Project Description Form. Also attached is a portion of the USGS 7.5 Minute Quadrangle map showing the location of the project, including all areas that will be impacted by the work. Send written responses to:

Jim Kohman
EBH & Associates
1105 Williams
Great Bend, Kansas 67530

If there is no response to this request for information within 30 days, it will be assumed there are no such concerns within the area. Call me at (620) 793-8411 if you have any questions.

Sincerely,
EBH & Associates



E. James Kohman, P.E.
Project Manager

Project Description Form

Project Location: The existing Nickerson Wastewater Treatment Plant, Kansas Permit No.: M-AR66-0001 is located south of the City of Nickerson, Reno County, Kansas. It's legal description is NE $\frac{1}{4}$, NW $\frac{1}{4}$, Section 22, Township 22S, Range 7W. The proposed location for the wastewater treatment lagoons is NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 1, Township 22S, Range 7W. The project area also includes portions of Sections 2, 9, 10, 11, 12, 15, 16, and 22. The project delineation and locations are shown on Figure 1.

Project Type: Construction of new Wastewater Treatment Lagoon Facility
Construction of new Pumping Station and Forcemain
Abandonment of Existing Wastewater Treatment Plant (WWTP)
Abandonment of Existing Trunkline to Existing WWTP

OR

Rehabilitation of Existing WWTP
Relocation of Existing Trunkline to Existing WWTP

AND

Rehabilitation/Replacement of Sewer Lines
Rehabilitation/Replacement of Existing Pumping Stations
Other sanitary sewer work within the City Limits of Nickerson, Kansas

Project Need:

The project is necessary for the City of Nickerson to upgrade their wastewater treatment capabilities to meet new discharge permit limitations imposed by the U.S. Environmental Protection Agency, via the Kansas Department of Health and Environment.

Attached Figure 1 shows the location where the new wastewater lagoon facility may be constructed as well as the route for the associated forcemain and the pumping station that will be constructed as part of the project. Figure 1 also indicates the location of the existing wastewater treatment facility that will either be decommissioned or rehabilitated and expanded along with the sewer line that will be abandoned, or moved. Other work that will be required includes sewer line and pumping station rehabilitation work within the City Limits. Work will be performed at any or all of these locations. The entire area as delineated on Figure 1 is included in this request.



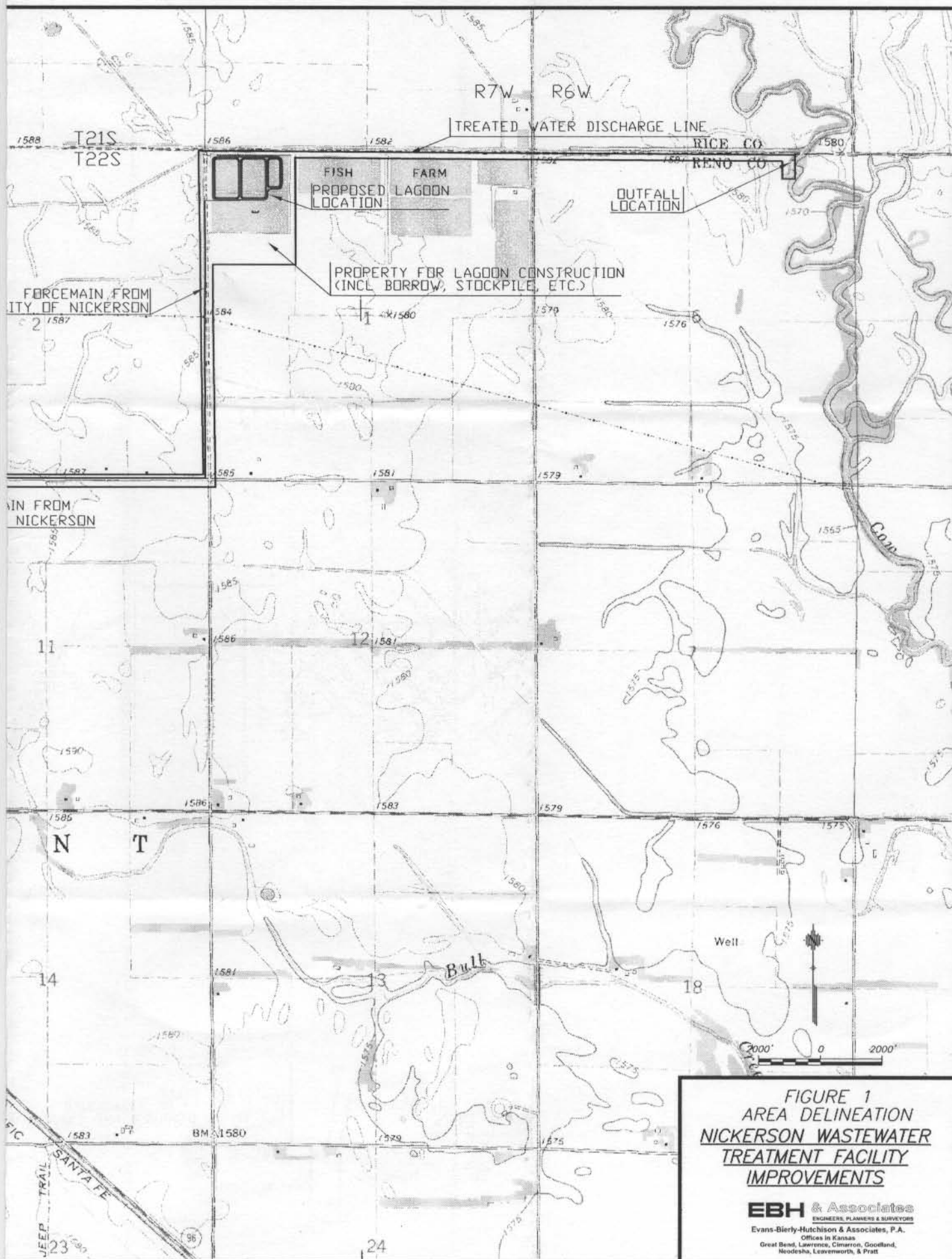


FIGURE 1
AREA DELINEATION
NICKERSON WASTEWATER
TREATMENT FACILITY
IMPROVEMENTS

EBH & Associates
ENGINEERS, PLANNERS & SURVEYORS
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