



K A N S A S

RODERICK L. BREMBY, SECRETARY

DEPARTMENT OF HEALTH AND ENVIRONMENT

KATHLEEN SEBELIUS, GOVERNOR

KANSAS WATER POLLUTION CONTROL REVOLVING LOAN FUND PROGRAM  
FINDING OF NO SIGNIFICANT IMPACT

JAN 27 2004

TO: All Interested Government Agencies and Public Groups

In accordance with procedures for implementing the Kansas Water Pollution Control Revolving Loan Fund Act (K.S.A. 65-3321 to 65-3329, K.A.R. 28-16-110 to 28-16-138 effective May 29, 1989 and T-28-16-137 amended October 17, 1989, and the Kansas Environmental Review Procedure for the Kansas Water Pollution Control Revolving Loan Program dated February 1989) an environmental review has been performed on the proposed agency action below:

Project Name: Parsons, Kansas

Project No. C20 1453 01

Total Project Amount: \$4,822,000

Loan Amount: \$4,800,000

The Final FFY 2003 Intended Use Plan has scheduled a low interest loan for this project. This project will construct a 2.5 MGD mechanical treatment plant, new headworks and a UV disinfection system.

Project Description, Location and Purpose

Parsons is a First Class City located in Labette County in southeast Kansas. The community population is approximately 11,500 and is presently served by a central collection system and a sewage treatment facility consisting of trickling filters and final sedimentation tanks. The facility discharges into Labette Creek under NPDES Permit No. M-NE55-0001. The facility does not consistently meet the effluent limitations of the NPDES permit.

The proposed project will provide a new activated sludge wastewater treatment plant with ultraviolet disinfection to insure compliance with the requirements of the Kansas Surface Water Quality Standards.

Two alternatives for upgrading the city's wastewater treatment plant were considered. These include a new activated sludge mechanical plant and modification of the existing trickling filters treatment facility. The City chose a new activated sludge mechanical plant. Construction of the new mechanical treatment plant will be within the existing site. The new mechanical treatment plant site location and the layout of the existing facility are shown on the attached map. All aspects of the project are eligible for KWPCRF loan assistance.

The primary environmental impacts of the project include noise and exhaust emissions from heavy construction equipment and erosion from disturbed soils. Steps that will be taken to minimize impact to the environment include implementation of erosion and sediment control measures, proper storage of construction materials, and proper disposal of construction debris. The project will not adversely impact wild and scenic rivers, floodplains, historical/cultural areas, endangered species, recreational land and open spaces, farmlands, wetlands, or groundwater.

Secondary environmental impacts include improved levels of wastewater effluent treatment, and a more reliable treatment process. Population densities and land use patterns will not be significantly affected. The water quality of Labette Creek and the Neosho River will improve and the project will increase public health protection by providing disinfection of the treated effluent.

Steps taken to minimize environmental impacts include implementation of erosion and sediment control measures, proper storage and disposal of construction materials. Existing treatment services will be maintained during construction of the new treatment system improvements. Land, materials, fuel and other forms of energy utilized in construction and operation of the facility will be irretrievably committed to the project.

Intergovernmental review comments were requested from Kansas Department of Health and Environment, Kansas State Historical Society, Kansas Geological Survey, Kansas Biological Survey, State Department of Agriculture-Division of Water Resources, Kansas Corporation Commission, Kansas Department of Wildlife and Parks, Kansas Water Office, State Conservation Commission, U.S. Fish and Wildlife Service, Natural Resources Conservation Service, and the U.S. Army Corps of Engineers (COE). The City has obtained a permit from the Corps of Engineers for the construction of the new outfall into Labette Creek.

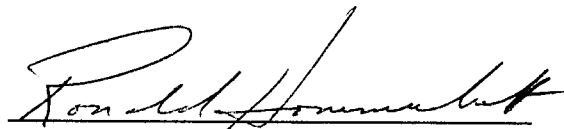
A public meeting was held on June 2, 2003 and a public hearing was held on November 17, 2003 to solicit public comment. Environmental and financial impacts of the project were discussed.

The O&M costs and the loan payments will be financed through monthly user charges. The adopted user charge is \$9.00 per month for the first 200 cubic feet and \$1.70 for each additional 100 cubic feet. A typical residential customer using 5000 gallons of water per month will pay approximately \$17.00 per month. User charges will generate sufficient funds for OM&R and debt services.

After considering both short-term and long-term effects of the project on the environment, it was determined that any short-term adverse impacts during construction will be offset by the long-term benefits derived from a new wastewater treatment system. No known endangered or threatened species were identified in the project area. Consequently a preliminary decision has been made that an Environmental Impact Statement will not be prepared.

This action is taken on the basis of a careful review of the facility plan, the environmental information document, environmental assessment and other supporting data which are on file at the State Office. A copy of the environmental assessment document is attached. Other information is available for review on request. This agency will not take any administrative action on this project for at least thirty days from the above date. Persons wishing to comment on this Finding of No Significant Impact may submit comments to the Department of Health and Environment during this period to the attention of Rod Geisler, Chief, Municipal Programs.

Sincerely yours,



Ronald F. Hammerschmidt, Director  
Division of Environment

Attachments

EAD  
Map  
Distribution List

## EXHIBIT C

### ENVIRONMENTAL ASSESSMENT DOCUMENT

A. Project Identification:

Applicant: City of Parsons

Project No. C20 1435 01

City: Parsons

State: Kansas

County: Labette

Total Project Amount: \$4,822,000

SRF Loan: \$4,800,000

B. Community Description:

Location: The City of Parsons is located in southeast Kansas at the intersection of Highway 59 and US 400 in Labette County.

Population, Present and Projected, and Design Year: Parsons is a community of approximately 11,500 persons. The City is projected to moderately grow over the next 20 years. This proposed wastewater treatment improvement project is designed to meet the future growth demands for the year 2023.

Current Methods of Wastewater Collection and Treatment: The community is served by a central gravity sewer collection system and a wastewater treatment facility consisting of trickling filters.

C. Project Description:

Purpose: Construction of a mechanical treatment plant for the City of Parsons will provide improved treatment and disinfection of the wastewater in compliance with the NPDES wastewater permit and Kansas Surface Water Quality Standards. The City's current wastewater treatment system does not provide sufficient wastewater treatment. Consequently the treatment plant has not been in compliance with its NPDES permit limitations.

Type: This project will construct a new 2.5 MGD extended aeration activated sludge mechanical treatment plant to provide nitrification and de-nitrification of the wastewater. The new treatment plant will be located on the north edge of the existing wastewater treatment plant.

Design Factors: The new mechanical plant will be designed for a 2.5 MGD average daily flow rate, and a 6.25 MGD peak daily flow rate. The headworks building will include a new bar screen/compactor, a new grit removal and de-watering unit and two influent weir structures to divert extraneous flow beyond 6.25 MGD to the peak wet weather flow basins. Biological treatment will be achieved with a Schreiber aeration system capable of nitrifying and denitrifying. The Schreiber system will consist of integral basins to achieve total nitrogen removal and biological phosphorus removal. Disinfection of the wastewater will be provided by a medium pressure Ultra Violet system installed in two channels to provide disinfection for a capacity of 8 MGD.

Receiving Stream: Effluent from the Parsons wastewater treatment facility will continue to discharge into Labette Creek within the Neosho River basin.

D. Alternatives Considered:

Types: Two wastewater treatment process alternatives were considered by the City: (1) a new activated sludge treatment plant, (2) modification of the existing trickling filter process. The City Commission agreed with the consulting engineers' recommendation to build a new activated sludge mechanical plant.

E. Environmental Impact Summary:

1. Primary

- a. Construction: Increased noise, dust and exhaust emissions from construction equipment. These impacts are considered temporary and minimal during construction only, no permanent negative impacts are anticipated. Disturbed areas will be seeded or sodded as soon as possible to decrease soil erosion and dust generation.
- b. Environmental: The protection of public health and the environment through better treatment of wastewater and effluent disinfection.
- c. Financial: User charges will fund the cost of the new treatment plant improvements. The average user charge rate would be \$17.00 based on 5000 gallons of water usage per month.

2. Secondary

- a. Population Impacts: No adverse impact on population change is anticipated due to construction of the new wastewater treatment plant.

- b. Land Use and Trends: Land use patterns will not be affected. The new treatment plant will be constructed on a portion of the existing wastewater treatment plant site and adjacent property to the north.
  - c. Environmental: The project will have no known adverse impact on rare or endangered species, sensitive ecosystems, unique environmental features, critical archeological or historic sites, groundwater, open space and recreation opportunities, parks, wetlands, or air quality. This project will reduce pollutants in the effluent, therefore improving water quality of Labette Creek.
- 3. Mitigation measures necessary to eliminate adverse environmental effect: Implementation of erosion and sediment control measures, proper storage of construction materials and proper disposal of construction debris will minimize impact to the environment.
  - 4. Irreversible and irretrievable commitment of resources: Construction materials, fuel and other forms of energy used in construction will be irretrievably committed to the project.

F. Measures taken to ensure Environmental Soundness:

- 1. Public Involvement: A public meeting was held on June 2, 2003 and a public hearing was held on November 17, 2003 to discuss purpose for the project, affect on user charges and environmental impacts.
- 2. Public Opposition or Opinion: Members of the City Commission, the Mayor, and City Staff were present at the two meetings. There was no public opposition provided during the public hearing.
- 3. Coordination and Documentation with Other Agencies and Special Interest Groups:
  - a. Engineering Report dated September 2002 and an Addendum dated July 2003 prepared by the Larkin Group Consulting Engineers.
  - b. Federal
    - 1. U.S. Fish and Wildlife Service
    - 2. U.S. Army Corps of Engineers
    - 3. U.S. Dept. of Agriculture/Natural Resources Conservation Service

c. State

1. Kansas Department of Health & Environment
2. Kansas Department of Wildlife and Parks
3. Kansas Historical Society
4. Kansas Water Office
5. State Conservation Commission
6. Kansas Biological Survey
7. Kansas Geological Survey
8. Kansas Corporation Commission
9. Kansas Dept. of Agriculture-Division of Water Resources

d. Consulting Engineers: The Larkin Group

G. Positive Environmental Effects to be realized from the Proposed Project: Improved treatment and disinfection of the wastewater to insure compliance with Kansas Surface Water Quality Standards and the NPDES wastewater discharge permit.

H. Reasons for concluding there will be no significant impacts: The new facility will be built on a portion of the existing treatment facility, therefore population densities and land use patterns will not be adversely affected. In addition, wetlands, groundwater, parks or other recreational areas will not be disturbed or other sensitive environmental areas will not be adversely affected.

Habib Ghel:

REVIEWING ENGINEER

01-16-04

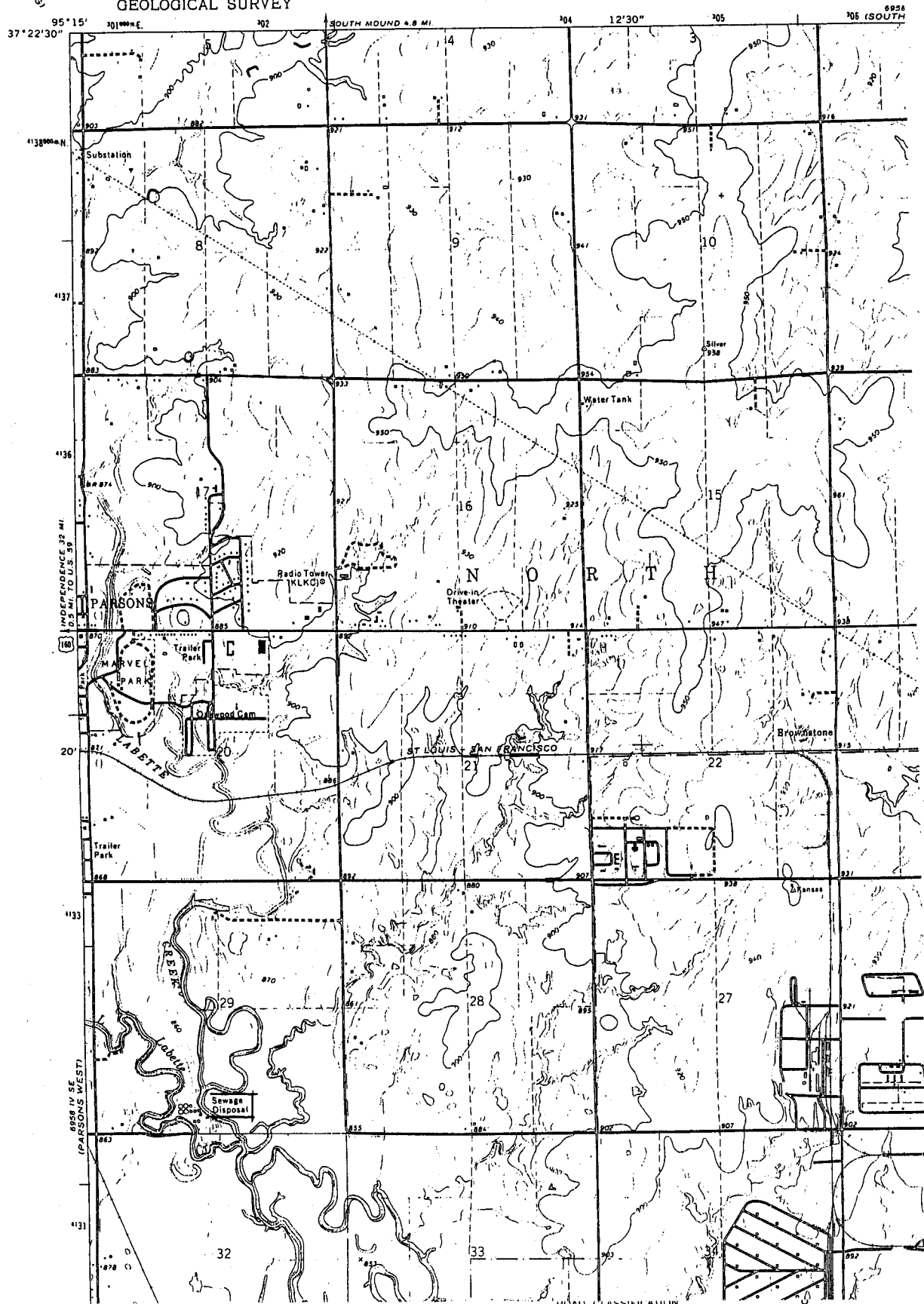
DATE



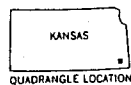


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

STATE OF



1:24,000  
0 1000 2000 3000 4000 5000 6000 7000 FEET  
0 1 KILOMETER  
VERTICAL DATUM OF 1929



ROAD CLASSIFICATION  
Primary highway, hard surface. ————  
Secondary highway, hard surface. ————  
Light-duty road, hard or improved surface. ————  
Unimproved road. - - - - -  
Interstate Route □ U. S. Route ○ State Route

PARSONS EAST, KANS.

SW 1/4 MC CUNE 15' QUADRANGLE  
N3715-W9507.5/7.5

1973

AMS 6958 I SW-SERIES V878

ONAL MAP ACCURACY STANDARDS  
R, COLORADO 80225, OR RESTON, VIRGINIA 22092  
SURVEY, LAWRENCE, KANSAS 66044  
S AND SYMBOLS IS AVAILABLE ON REQUEST

DISTRIBUTION LIST  
PARSONS, KANSAS WASTEWATER IMPROVEMENTS  
FINDING OF NO SIGNIFICANT IMPACT

Kansas Dept. of Wildlife & Parks  
Environmental Services Section  
512 SE 25th Avenue  
Pratt, Kansas 67124-8174

State Conservationist  
Natural Resources Conservation Service  
760 South Broadway  
Salina, Kansas 67401

Executive Director  
Kansas State Historical Society  
6425 SW 6th Ave  
Topeka, Kansas 66601-3858

Kansas Geological Survey  
Margaret Townsend  
University of Kansas  
1930 Constant Ave - Campus West  
Lawrence, Kansas 66047

Kansas Biological Survey  
University of Kansas  
2041 Constant Ave  
Lawrence, Kansas 66047-2906

U.S. Army Corps of Engineers  
700 Federal Building  
601 E. 12th Street  
Kansas City, Missouri 64106

Environmental Protection Agency  
Region VII  
NPDES & Facilities Management  
901 N. 5th Street  
Kansas City, Kansas 66101

Kansas Water Office  
901 SW Kansas Ave.  
Topeka, Kansas 66612

Kansas Dept. of Agriculture  
Division of Water Resources  
109 SW 9th Street  
Topeka, Kansas 66612

State Conservation Commission  
109 SW 9th Street  
Topeka, Kansas 66612

U.S. Dept. of the Interior  
Fish & Wildlife Service  
Kansas State Office  
315 Houston, Suite E  
Manhattan, Kansas 66502

Kansas Corporation Commission  
130 S Market - 2nd Floor  
Wichita, Kansas 67202

Environmental Protection Agency  
Office of Federal Activities  
Ariel Rios (2252A)  
1200 Pennsylvania Ave. NW  
Washington, D.C. 20004

City of Parsons  
112 S. 7th Street  
Parsons, Kansas 67367-1037

The Larkin Group  
9200 Ward Parkway, Suite 400  
Kansas City, MO 64114

The Parsons Sun  
220 South 18th Street  
Parsons, Kansas 67357