

Why You Should Read This: The document below reviews the environmental impact likely from a project. This project is planned to be federally funded through your tax dollars; therefore, you are entitled to take part in its review. If you have concerns about the environmental impact of this project, raise them now. We encourage public input in this decision making process.



IOWA STATE REVOLVING FUND

FINDING OF NO SIGNIFICANT IMPACT

February 14, 2012

To: All Interested Citizens, Government Agencies, and Public Groups

An environmental review has been performed based on the procedures for implementing the National Environmental Policy Act (NEPA), for the proposed agency action below:

Applicant: City of Lidderdale

SRF Number: FS-14-11-DWSRF-028

IDNR Project Number: W2011-0086

County: Carroll

State:

Iowa

Other Federal Funding: CDBG (\$186,000)

The City of Lidderdale, Iowa is planning an upgrade to their drinking water distribution system. The city has applied for financial assistance through the State Revolving Fund (SRF) loan program to build the project. The State Revolving Loan Program is a program authorized by the Environmental Protection Agency (EPA) and administered by the Iowa Department of Natural Resources (DNR) in partnership with the Iowa Finance Authority.

The City of Lidderdale is located in Carroll County approximately 40 miles southwest of Fort Dodge, Iowa and 5 miles northeast of Carroll, Iowa. The population of Lidderdale according to the 2010 US Census was 180. Projected design population is for the year 2030, or 186 individuals.

Currently, the city's water supply is purchased from the West Central Iowa Rural Water Association (RWA). Water from the RWA connection is conveyed to Lidderdale by a 4" diameter water main

from a 75,000 gallon elevated storage tank located approximately 7 miles east of Lidderdale. No water storage infrastructure currently exists within the city limits of Lidderdale. The existing distribution system consists of approximately 9,175 feet of water main ranging in size from ¾” to 4” diameter constructed in a semi-looping grid system with dead-end mains around the perimeter of the city.

The proposed project includes the construction of a new 25,000-gallon water tower, abandonment of an existing well, and updating the existing water map. In addition, the project will include the replacement of approximately 9,500 feet of water main and 97 water meters throughout the city. The existing water main will be abandoned in place and new water main will be installed within the existing road right-of-way (ROW). The new water meters will replace existing meters located in buildings and meter pits in the existing ROW throughout the community.

The purpose of this project is to make improvements to the drinking water storage and distribution system to enhance reliability and replace aging infrastructure to safely operate the City of Lidderdale’s drinking water system for the next 20 years. Positive environmental effects will be improved water quality to the residents of Lidderdale. The new elevated storage tank and water main replacement will better assist in the prevention of water supply contamination associated with inadequate pressures and water main breaks within the distribution system.

The project will not significantly affect the pattern and type of land use or growth and distribution of population. The project will not displace population, alter the character of existing residential areas, or convert significant farmlands to non-agricultural purposes. The project will not conflict with local, regional or State land use plans or policies.

The project will not impact wetlands or affect the 100-year flood plain. The project will not affect threatened and endangered species or their habitats. The project will not have effect on parklands, preserves, other public lands, or areas of recognized scenic or recreational value. No Historic Properties will be adversely affected by the proposed project.

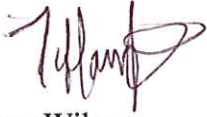
No significant impact to surface water quality, fish, shellfish, wildlife, or their natural habitats is expected provided that an NPDES General Permit Number 2 (for storm water discharge associated with construction activities) is obtained and the terms of which are abided by. The project will not have a significant adverse effect upon local ambient noise levels, surface water quantity, groundwater quality or quantity, or water supply.

Minimum separation distances will be maintained. Noise during construction will be maintained at tolerable levels through controls on construction activities. Any construction debris will be removed from the site for proper disposal. Adverse environmental effects from construction activities will be minimized with proper construction practices, inspection, prompt clean up and other appropriate measures. Areas temporarily disturbed by the construction will be restored.

The attached review does not indicate that a significant environmental impact will result from the proposed action. This action is taken on the basis of a careful review of the engineering report, the environmental assessment and other supporting data which are on file at the Department of Natural Resources' office in Des Moines, Iowa. These are available for public review upon request. A copy

of the environmental assessment is attached. This Department will not take any administrative action on the project for at least thirty (30) calendar days from the above date. Persons disagreeing with the above environmental decision may submit comments to the department during this period. Please direct your comments to me at Tiffany.Wilson@dnr.iowa.gov or 515-725-0261.

Sincerely,



Tiffany Wilson
Environmental Specialist
401 SW 7th, Suite M
Des Moines, IA 50309

Enclosures: Environmental Assessment
Project Map

Cc: Ethan Joy, JEO Consulting Group, Inc., 724 Simon Avenue, Carroll, IA 51401

Distribution List (email): Horst Greczmiel, Council on Environmental Quality
Dean Lemke, Iowa Department of Agriculture and Land Stewardship
Ken Sharp, Iowa Department of Public Health
Benton Quade, Iowa Economic Development Authority
Annie Beaman, Iowa Environmental Council
Susan Heathcote, Iowa Environmental Council
Tracy Scebold, Iowa Finance Authority
Mickey Shields, Iowa League of Cities
Jane Clark, Sierra Club
Donna Jones, USACE Rock Island District
Jim Carroll, USDA Rural Development
Nick Chevance, USDO, National Park Service, Midwest Region
USDO, Fish and Wildlife Service, Rock Island Field Office
Christopher Simmons, USEPA Region VII
Joe Cothorn, USEPA Region VII
Kelly Beard-Tittone, USEPA Region VII
Daily Times Herald – Carroll, IA

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IOWA STATE REVOLVING FUND

ENVIRONMENTAL ASSESSMENT DOCUMENT

PROJECT IDENTIFICATION

Applicant: City of Lidderdale

SRF No.: FS-14-11-DWSRF-028

County: Carroll

Project No.: W2011-0086

State: Iowa

Other Federal Funding: CDBG (\$186,000)

COMMUNITY DESCRIPTION

Location: The City of Lidderdale is located in Carroll County approximately 40 miles southwest of Fort Dodge, Iowa and 5 miles northeast of Carroll, Iowa.

Population: The population of Lidderdale according to the 2010 US Census was 180. Projected design population is for the year 2030, or 186 individuals.

Current Source of Water: Currently, the city's water supply is purchased from the West Central Iowa Rural Water Association (RWA). The RWA treats its water supply for iron and magnesium prior to distribution. The existing connection to the RWA is located in a meter pit located at the city's fire station. In addition, the city operates two wells that are currently disconnected from the water supply system that are now used primarily for fire protection.

Current Distribution System: Water from the RWA connection is conveyed to Lidderdale by a 4" diameter water main (constructed in 1994) from a 75,000 gallon elevated storage tank located approximately 7 miles east of Lidderdale. No water storage infrastructure currently exists within the city limits of Lidderdale. The existing distribution system (constructed in 1950) consists of approximately 9,175 feet of water main ranging in size

from ¾" to 4" diameter constructed in a semi-looping grid system with dead-end mains around the perimeter of the city.

PROJECT DESCRIPTION

Purpose: The purpose of this project is to make improvements to the drinking water storage and distribution system to enhance reliability and replace aging infrastructure to safely operate the City of Lidderdale's drinking water system for the next 20 years.

Proposed Improvements: The project includes the construction of a new 25,000-gallon water tower, abandonment of an existing well, and updating the existing water map. In addition, the project will include the replacement of approximately 9,500 feet of water main and 97 water meters throughout the city. The existing water main will be abandoned in place and new water main will be installed within the existing road right-of-way (ROW). The new water meters will replace existing meters located in buildings and meter pits in the existing ROW throughout the community.

ALTERNATIVES CONSIDERED

Alternatives Considered: Constructing a larger capacity water storage tank (40,000 to 50,000-gallon) was considered as an alternative that would solve the community's need for maintaining adequate pressures during all flow conditions.

Reasons for Selection of Proposed Alternative: The No-Action alternative is not viable to ensure the city's water supply is not compromised due to inadequate pressure and failing infrastructure. The chosen alternative was deemed the most cost effective for the community.

The project site for the new water storage tank was selected for the availability of land (it is already City-owned) as well as minimization of the impacts to the environment.

MEASURES TAKEN TO ASSESS IMPACT

Public Involvement: A public hearing was held on January 16, 2012 at 6:00PM at the City's regular council meeting. The public notice of this hearing was published in The Times Herald on December 13, 2011. The purpose of this hearing was to present the environmental and financial impacts of the proposed improvement project. No written or oral comments were received.

Coordination and Documentation with Other Agencies and Special Interest Groups: The following Federal, state and local agencies were asked to comment on the proposed project to better assess the potential impact to the environment:

U.S. Army Corps of Engineers
U.S. Fish and Wildlife Service
State Historical Society of Iowa (State Historical Preservation Office)
Iowa DNR Conservation and Recreation Division

Iowa DNR Water Resources Section
Citizen Band Potawatomi Indian Tribe
Delaware Tribe of Indians
Flandreau Santee Sioux
Ho-Chunk Nation
Iowa Tribe of Kansas and Nebraska
Iowa Tribe of Oklahoma
Kickapoo Tribe in Kansas
Kickapoo Tribe of Oklahoma
Lower Sioux Indian Community Council
Miami Tribe of Oklahoma
Omaha Tribal Council
Osage Tribal Council
Otoe-Missouria Tribe
Pawnee Nation of Oklahoma
Peoria Tribe of Indians of Oklahoma
Ponca Tribe of Indians of Oklahoma
Ponca Tribe of Nebraska
Prairie Band Potawatomi Nation
Prairie Island Indian Community
Sac & Fox Nation of Mississippi in Iowa
Sac & Fox Nation of Missouri
Sac & Fox Nation of Oklahoma
Santee Sioux Nation
Shakopee Mdewakanton Sioux Community
Sisseton-Wahpeton Oyate
Spirit Lake Tribal Council
Three Affiliated Tribes Mandan, Hidatsa & Arikara Nations
Upper Sioux Tribe
Winnebago Tribal Council
Yankton Sioux Tribal Business and Claims Committee
Carroll Historic Preservation Commission

No adverse comments were received from any agencies or general public. Conditions placed on the applicant by the above agencies in order to assure no significant impact are included in the Summary of Reasons for Concluding No Significant Impact section.

ENVIRONMENTAL IMPACT SUMMARY

Construction: Traffic patterns within the community may be disrupted and above normal noise levels in the vicinity of the construction equipment can be anticipated during construction and should be a temporary problem. Adverse environmental impacts on noise quality will be handled by limited hours of contractor work time during the day. Other adverse environmental effects from construction activities will be minimized by proper construction practices, inspection, prompt cleanup, and other appropriate measures. Areas temporarily disturbed by the construction will be restored. Solid wastes

resulting from the construction project will be regularly cleared away with substantial efforts made to minimize inconvenience to area residents.

Care will be taken to maintain dirt to avoid erosion and runoff. The proposed project will disturb soils over an area greater than one acre; therefore, the applicant is required to obtain an NPDES General Permit Number 2 (for storm water discharge associated with construction activities) and abide by its terms. No significant impact to surface water quality, fish, shellfish, wildlife, or their natural habitats is expected.

Temporary air quality degradation may occur due to dust and fumes from construction equipment. The applicant shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property during the proposed project (IAW Iowa Administrative Code 567-23.3(2)“c”).

Historical/Archaeological: The State Historical Preservation Office (SHPO), the Certified Local Government and various Native American tribes with an interest in the area were provided information regarding the project. The DNR has determined, and the SHPO has agreed (January 9, 2012, R&C#111214089), that this undertaking will result in “no historic properties effected” based on the scope of the project, the prior use of the project area, and the findings of the Phase I Archeological Survey conducted on the project property. However, if project activities uncover any item(s) that might be of archaeological, historical, or architectural interest, or if important new archaeological, historical, or architectural data should be encountered in the project APE, the applicant should make reasonable efforts to avoid further impacts to the property until an assessment can be made by an individual meeting the Secretary of the Interior’s professional qualifications standards (36 CFR Part 61).

Environmental: According to the Iowa DNR Conservation and Recreation Division, the proposed project will not interfere with any State-owned parks, recreational areas or open spaces. The U.S. Army Corps of Engineers concurs that the project will not impact wetlands. The project will not impact any wild and scenic rivers as none exist within the State of Iowa. The U.S. Fish & Wildlife Service and Iowa DNR Conservation and Recreation Division agree that the project will not impact threatened or endangered species or their habitats. However, if any State- or Federally-listed threatened or endangered species or communities are found during the planning or construction phases, additional studies and/or mitigation may be required. According to the Iowa DNR Water Resources Section, this project will not impact the 100-year floodplain. No adverse impacts are expected to result from this project, such as those to surface water quantity, or groundwater quality or quantity.

Land Use and Trends: The project will not displace population nor will it alter the character of existing residential areas. The proposed project is within the present corporate limits of Lidderdale in areas zoned residential, commercial, or industrial. No significant farmlands will be impacted. This project should not impact population trends as the presence or absence of existing water infrastructure is unlikely to induce significant alterations in the population growth or distribution given the myriad of factors

that influence development in this region. Similarly, this project is unlikely to induce significant alterations in the pattern and type of land use.

Irreversible and Irretrievable Commitment of Resources: Fuels, materials, and various forms of energy will be utilized during construction.

POSITIVE ENVIRONMENTAL EFFECTS TO BE REALIZED FROM THE PROPOSED PROJECT

Positive environmental effects will be improved water quality to the residents of Lidderdale. The new elevated storage tank and water main replacement will better assist in the prevention of water supply contamination associated with inadequate pressures and water main breaks within the distribution system.

SUMMARY OF REASONS FOR CONCLUDING NO SIGNIFICANT IMPACT

- The project will not significantly affect the pattern and type of land use (industrial, commercial, agricultural, recreational, residential) or growth and distribution of population.
- The project will not conflict with local, regional or State land use plans or policies.
- The project will not impact wetlands.
- The project will not affect threatened and endangered species or their habitats.
- The project will not displace population, alter the character of existing residential areas, or convert significant farmlands to non-agricultural purposes.
- The project will not affect the 100-year flood plain.
- The project will not have effect on parklands, preserves, other public lands, or areas of recognized scenic or recreational value.
- No Historic Properties will be adversely affected by the proposed project.
- The project will not have a significant adverse effect upon local ambient air quality provided the applicant takes reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property during the proposed project (IAW Iowa Administrative Code 567-23.3(2)“c”).
- The project will not have a significant adverse effect upon local ambient noise levels, surface water quantity, groundwater quality or quantity, or water supply.
- No significant impact to surface water quality, fish, shellfish, wildlife, or their natural habitats is expected provided that an NPDES General Permit Number 2 (for storm

water discharge associated with construction activities) is obtained and the terms of which are abided by.

THEREFORE:

The above project conforms to the criteria in 567 Iowa Administrative Code 44.10(3) for drinking water projects relating to compliance with the National Environmental Policy Act of 1969. No adverse effect or significant environmental impact is foreseen at this time.

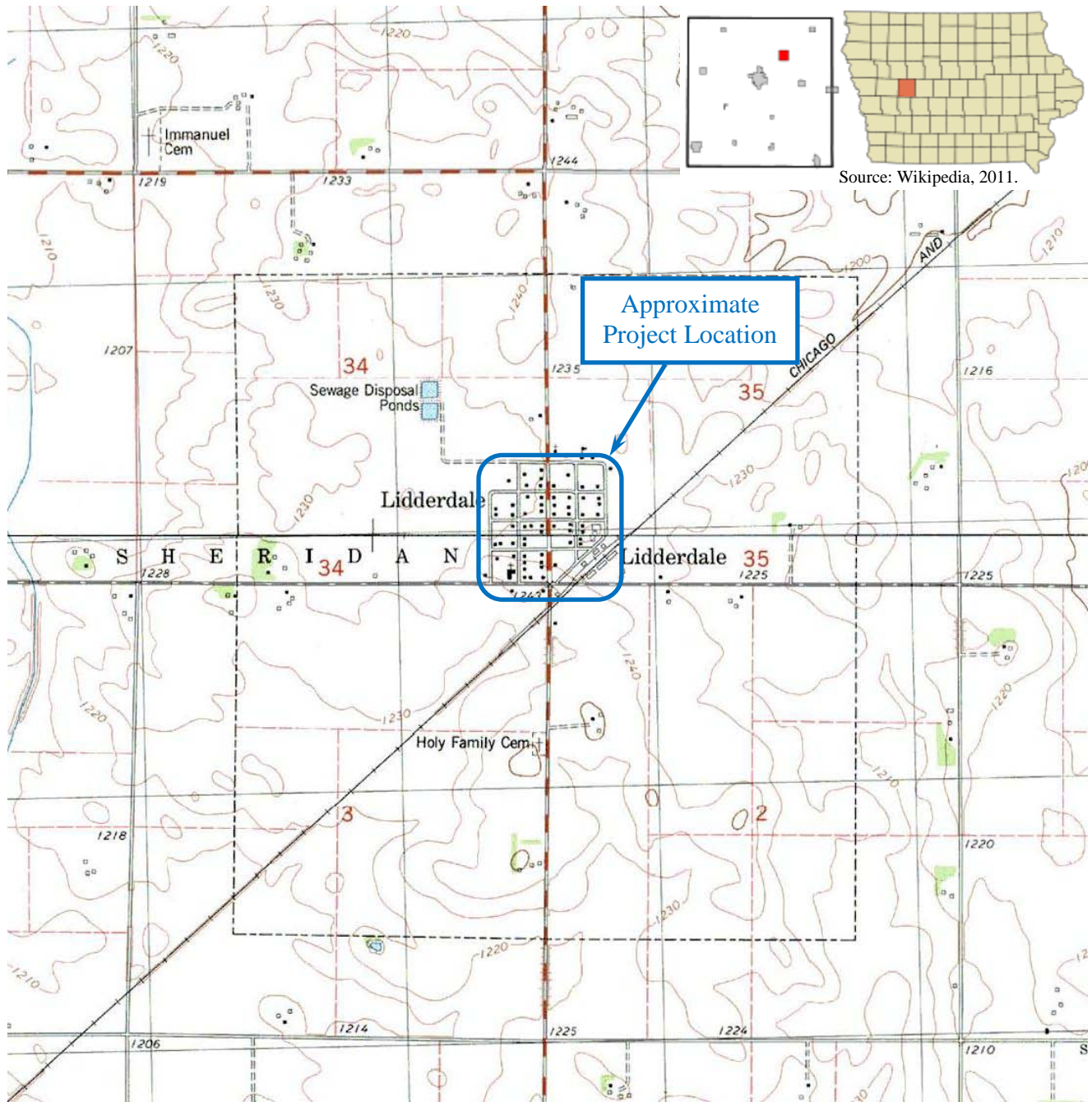


Tiffany Wilson
Environmental Review Specialist
State Revolving Fund
Iowa Department of Natural Resources

USGS 7.5 Minute Quadrangle: Carroll East and Carroll NE
Sections: 34 & 35, Township: 85 N, Range: 34 W
Date: 1980
Scale: 1 Inch = 2,000 Feet



North



USGS Topographic Map

Lidderdale New Water Tower & Water Main/Meter Replacement
Lidderdale, Iowa



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Des Moines, IA 50309

2011

Location provided by JEO Consultants, Inc.



North



Aerial Photograph

Lidderdale New Water Tower & Water Main/Meter Replacement
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