Why You Should Read This: The document below reviews the environmental impact likely from a State Revolving Fund project. As part of the environmental review, you are entitled to provide comments. 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

August 27, 2025

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 Logan
County: Harrison
State: Iowa

SRF Number: FS-43-25-DWSRF-039
Iowa DNR Project Number: W2025-0109

Other Funding Sources: CDBG

The City of Logan, Iowa is planning an upgrade to their drinking water treatment infrastructure. 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 Logan is located in Harrison County, Iowa approximately 28 miles northeast of Omaha, Nebraska, and 34 miles southwest of Denison, Iowa. The population of Logan according to the 2020 US Census was 1,397 people. The design population equivalent for the year 2044 is 1,270 people. The City of Logan's water supply is provided by four shallow wells located northeast of town. Raw water quality from the four existing shallow groundwater wells is consistently adequate for the city's water supply. The existing water treatment plant was constructed in the early 1960s and is currently designed as a ground water supply iron removal plant with a capacity of approximately 600 gallons per minute. The effective capacity of the water treatment plant is 720,000 gallons per day in a 20-hour pumping period. The current water treatment process includes filtration, high and low service pumps, and chemical feed equipment with the goal of removing iron and manganese, fluoridate, bacteria, and other organisms from the raw water that is safe to drink and compatible with the distribution system.

Raw water from the well fields enters the plant through an induced draft aerator located on the south side of the building. Chlorine is added before detention to assist in the oxidation of iron through the aerator. The water from the aerator flows to the detention tank which is a reinforced concrete structure with capacity of

approximately 24,000 gallons. Prior to leaving the plant, chlorine is added to the finished water to maintain a free chlorine residual in the finished water. The high service pumps are used to convey the finish water to the elevated storage located out in the distribution system.

The existing building, pumps, pressure filters, chemical feed systems, ground storage tank and related equipment items are in adequate condition with the exception of the detention tank which is located on the west end of the building. The exterior walls of the detention tank are currently leaking. Due to the cost of removing and replacing the EPDM liner, just under $100,000, the City made the decision to forgo a more intensive investigation of the detention tank. The City needs to consider alternatives to the current treatment process due to the structural issues at the existing water treatment plant that would require extensive repairs to correct.

The purpose of this project is to make improvements to the drinking water treatment facilities to safely and reliably operate the City of Logan's water system for the next 20 years. The proposed project will construct a new iron removal water treatment plant including a new building with treatment equipment, pumps, a detention tank, and buried raw and finished water mains that connect the proposed and existing treatment plant sites. The project will also include site work, a new generator, mechanical and control equipment, and all connections and appurtenances. Positive environmental effects will be maintained water quality for the citizens of Logan. The new water treatment plant will better assist the City with providing safe drinking water that meets Federal drinking water standards and is compatible with the distribution system.

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. 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. 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 provided all necessary floodplain development permits, state and local, are obtained and the terms of which are abided by. The City of Logan will not require a local floodplain development permit. The project will not have effect on parklands, preserves, other public lands, or areas of recognized scenic or recreational value.

Various Native American tribes with an interest in the area and the Certified Local Government were provided information regarding the project. This project will not be receiving federal funds through SRF. As such, this project is not considered a federal undertaking as defined in §300320 under the National Historic Preservation Act, 54 U.S.C. 300101 et seq. for the purpose of the SRF environmental review. If this SRF project receives federal funds from other sources, it is the responsibility of the applicant to ensure all federal requirements are met for that funding. 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).

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 (567 IAC 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.

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.

It has been determined that the proposed action will result in no significant impacts to the surrounding environment. This determination is based on 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. Your comments can be sent to SRF-PC@dnr.iowa.gov or directly to me at Rebecca.FlynnKettman@dnr.iowa.gov or (515) 204-5672.

Sincerely,

Rebecca Flynn Kettman

Digitally signed by Rebecca Flynn Kettman
Date: 2025.08.27 15:51:14 -05'00'

Rebecca Flynn Kettman
Environmental Specialist
6200 Park Ave, Suite 200
Des Moines, IA 50321

Enclosures: Environmental Assessment
Project Map

Distribution List (email):
Todd Penisten, Veenstra & Kimm, Inc.
Dani Briggs, Southwest Iowa Planning Council
Edward Boling, Council on Environmental Quality
Jake Hansen, Iowa Department of Agriculture and Land Stewardship
Ken Sharp, Iowa Department of Health & Human Services
Mindy Wells, Iowa Department of Health & Human Services
Chad Sands, Iowa Economic Development Authority
Alicia Vasto, Iowa Environmental Council
Michael Schmidt, Iowa Environmental Council
Tony Toigo, Iowa Finance Authority
Lee Wagner, Iowa Finance Authority
Mickey Shields, Iowa League of Cities
Jane Clark, Sierra Club
Josh Mandelbaum, Environmental Law and Policy Center
Kate Sand, USDA Rural Development

Tokey Boswell, USDOI, National Park Service, Midwest Region
Kraig McPeek, Fish and Wildlife Service, Rock Island Field Office
Ann D'Alfonso, USEPA Region VII
Kelly Beard-Tittone, USEPA Region VII
Harrison County Times-Reporter

Why You Should Read This: The document below reviews the environmental impact likely from a State Revolving Fund project. As part of the environmental review, you are entitled to provide comments. 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

IOWA STATE REVOLVING FUND
ENVIRONMENTAL ASSESSMENT DOCUMENT

PROJECT IDENTIFICATION

Applicant: City of Logan
County: Harrison
State: Iowa

SRF Number: FS-43-25-DWSRF-039
Iowa DNR Project Number: W2025-0109

Other Funding Sources: CDBG

COMMUNITY DESCRIPTION

Location: The City of Logan is located in Harrison County, Iowa approximately 28 miles northeast of Omaha, Nebraska, and 34 miles southwest of Denison, Iowa.

Population: The population of Logan according to the 2020 US Census was 1,397 people. The design population equivalent for the year 2044 is 1,270 people.

Current Source of Water: The City of Logan's water supply is provided by four shallow wells located northeast of town. Raw water quality from the four existing shallow groundwater wells is consistently adequate for the city's water supply.

Current Water Treatment and Quality: The existing water treatment plant was constructed in the early 1960s and is currently designed as a ground water supply iron removal plant with a capacity of approximately 600 gallons per minute. The effective capacity of the water treatment plant is 720,000 gallons per day in a 20-hour pumping period. The current water treatment process includes filtration, high and low service pumps, and chemical feed equipment with the goal of removing iron and manganese, fluoridate, bacteria, and other organisms from the raw water that is safe to drink and compatible with the distribution system.

Raw water from the well fields enters the plant through an induced draft aerator located on the south side of the building. Chlorine is added before detention to assist in the oxidation of iron through the aerator. The water from the aerator flows to the detention tank which is a reinforced concrete structure with capacity of approximately 24,000 gallons. Prior to leaving the plant, chlorine is added to the finished water to maintain a free chlorine residual in the finished water. The high service pumps are used to convey the finish water to

the elevated storage located out in the distribution system.

The existing building, pumps, pressure filters, chemical feed systems, ground storage tank and related equipment items are in adequate condition with the exception of the detention tank which is located on the west end of the building. The exterior walls of the detention tank are currently leaking. Due to the cost of removing and replacing the EPDM liner, just under $100,000, the City made the decision to forgo a more intensive investigation of the detention tank. The City needs to consider alternatives to the current treatment process due to the structural issues at the existing water treatment plant that would require extensive repairs to correct.

PROJECT DESCRIPTION

Purpose: The purpose of this project is to make improvements to the drinking water treatment facilities to safely and reliably operate the City of Logan's water system for the next 20 years.

Proposed Improvements: The proposed project will construct a new iron removal water treatment plant including a new building with treatment equipment, pumps, a detention tank, and buried raw and finished water mains that connect the proposed and existing treatment plant sites. The project will also include site work, a new generator, mechanical and control equipment, and all connections and appurtenances.

ALTERNATIVES CONSIDERED

Alternatives Considered: The feasible treatment process alternatives included 1) rehabilitate the existing water treatment plant, 2) construct a new reverse osmosis (RO) membrane softening treatment plant, and 3) construct a new iron removal water treatment plant.

Reasons for Selection of Proposed Alternative: The No-Action alternative is not viable due to the structural issues at the existing treatment plant. Rehabilitating the existing treatment plant was deemed too expensive due to the upfront investment necessary to perform an inspection of the existing detention tank. This alternative also has a high risk for the City as there could be significant unknowns as to the needs to repair and rehabilitate the existing plant. After comparing the treatment process alternatives 2 and 3, alternative 2 was deemed too expensive. The project site 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 August 25, 2025 at 6:00 p.m. at the City's regular council meeting. The public notice of this hearing was made available by publication in the Harrison County Times-Reporter on July 23, 2025 and posted in three public locations on July 23, 2025. 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 Flood Plain Management Section
Citizen Band Potawatomi Indian Tribe
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
Harrison County 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. 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 (567 Iowa Administrative Code IAC 23.3(2)“c”). This project does include construction of equipment that has a potential to emit criteria pollutants and/or hazardous air pollutants. However, the equipment’s potential to emit and anticipated actual emissions are below minor source reporting thresholds.

Historical/Archaeological: Various Native American tribes with an interest in the area and the Certified Local Government were provided information regarding the project. This project will not be receiving federal funds through SRF. As such, this project is not considered a federal undertaking as defined in §300320 under the National Historic Preservation Act, 54 U.S.C. 300101 et seq. for the purpose of the SRF environmental review. If this SRF project receives federal funds from other sources, it is the responsibility of the applicant to ensure all federal requirements are met for that funding. 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 Section 7 Technical Assistance website consultation determined, and Iowa DNR Conservation and Recreation Division agree, that the project will not impact protected 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 Flood Plain Management Section, this project will not impact the 100-year floodplain provided all necessary local floodplain development permits are obtained and the terms of which are abided by. The City of Logan will not require a local floodplain development permit. No adverse impacts are expected to result from this project, such as those to surface water quantity, or groundwater quality or quantity. No significant impact to surface water quality, fish, shellfish, wildlife, or their natural habitats is expected.

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 the City of Logan 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/sewer 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.

Nondiscrimination: All programs, projects, and activities undertaken by DNR in the SRF programs are subject to federal anti-discrimination laws, including the Civil Rights Act of 1964, section 504 of the Rehabilitation Act of 1973, and section 13 of the Federal Water Pollution Control Amendments of 1972. These laws prohibit discrimination on the basis of race, color, national origin, sex, disability, or age.

POSITIVE ENVIRONMENTAL EFFECTS TO BE REALIZED FROM THE PROPOSED PROJECT

Positive environmental effects will be maintained water quality for the citizens of Logan. The new water treatment plant will better assist the City with providing safe drinking water that meets Federal drinking water standards and is compatible with 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. 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.
- 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 provided all necessary floodplain development permits, state and local, are obtained and the terms of which are abided by. The City of Logan will not require a local floodplain development permit.
- The project will not have effect on parklands, preserves, other public lands, or areas of recognized scenic or recreational value.
- Various Native American tribes with an interest in the area and the Certified Local Government were provided information regarding the project. This project will not be receiving federal funds through SRF. As such, this project is not considered a federal undertaking as defined in §300320 under the National Historic Preservation Act, 54 U.S.C. 300101 et seq. for the purpose of the SRF environmental review. If this SRF project receives federal funds from other sources, it is the responsibility of the applicant to ensure all federal requirements are met for that funding. 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).
- 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 (567 IAC 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.

THEREFORE:

The above project conforms to the criteria in 567 Iowa Administrative Code 44.10(3) relating to compliance with the National Environmental Policy Act of 1969. This Environmental Assessment Document (EAD) outlines the justification that the environmental review for the proposed project should be classified as a Finding of No Significant Impact (FNSI) and does not rise to the significance of an Environmental Impact Statement (EIS) in accordance with 40 CFR § 1501.5.

Rebecca Flynn Kettman

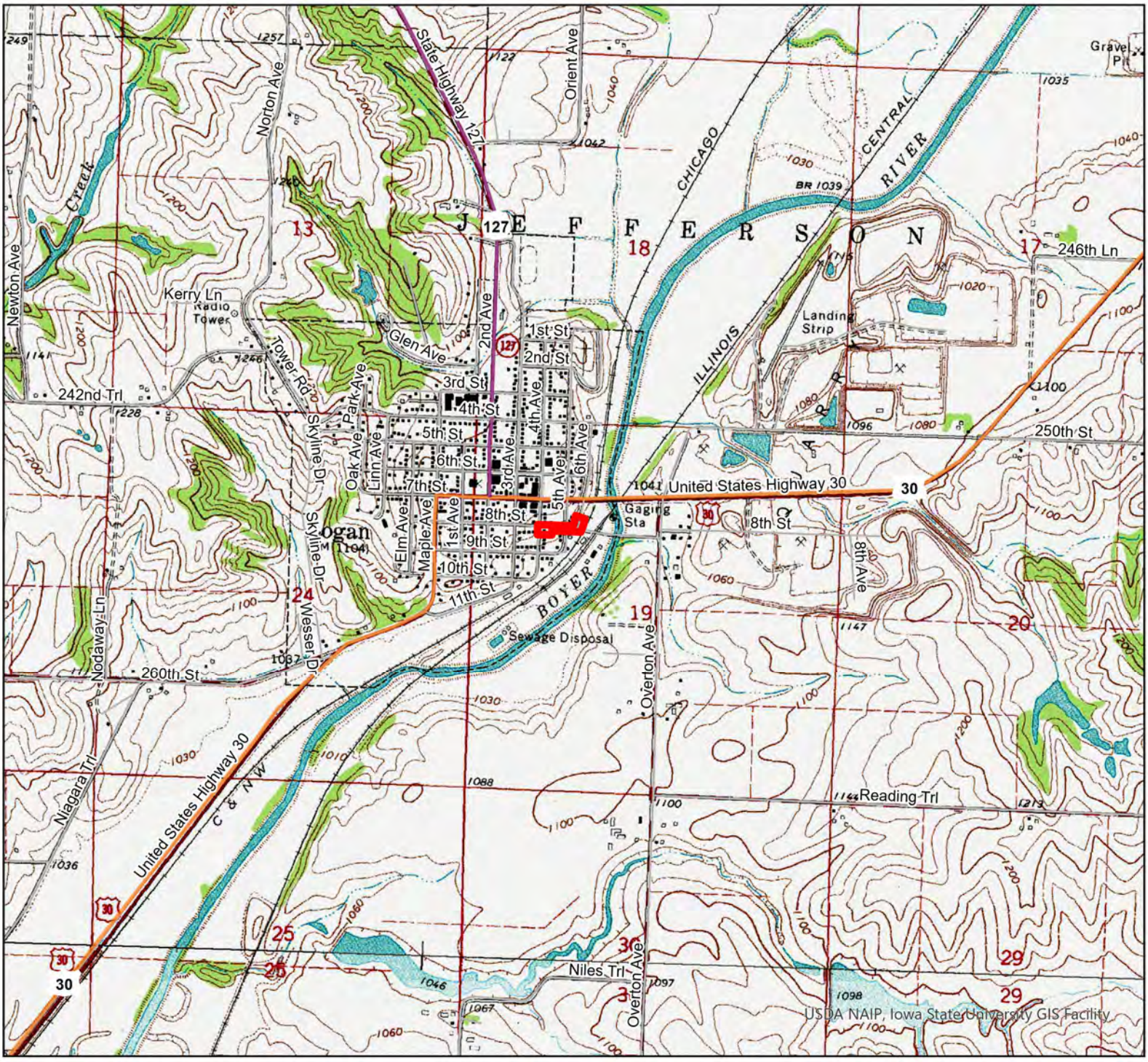
Digitally signed by Rebecca Flynn Kettman
Date: 2025.08.27 15:51:37 -05'00'

Rebecca Flynn Kettman
Environmental Review Specialist
State Revolving Fund
Iowa Department of Natural Resources

IOWA
State Revolving Fund

USGS 7.5 Minute Quadrangle: Logan
Section: 19, Township: 79 N, Range: 42 W
Date: 1970

N



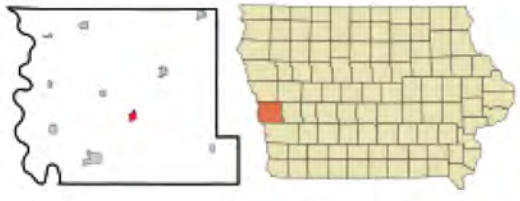
USGS Topographic Map

City of Logan Water Treatment Improvements
Logan, IA (Harrison County)

Legend

Proposed Project Area

0 1,500 3,000 6,000 Feet

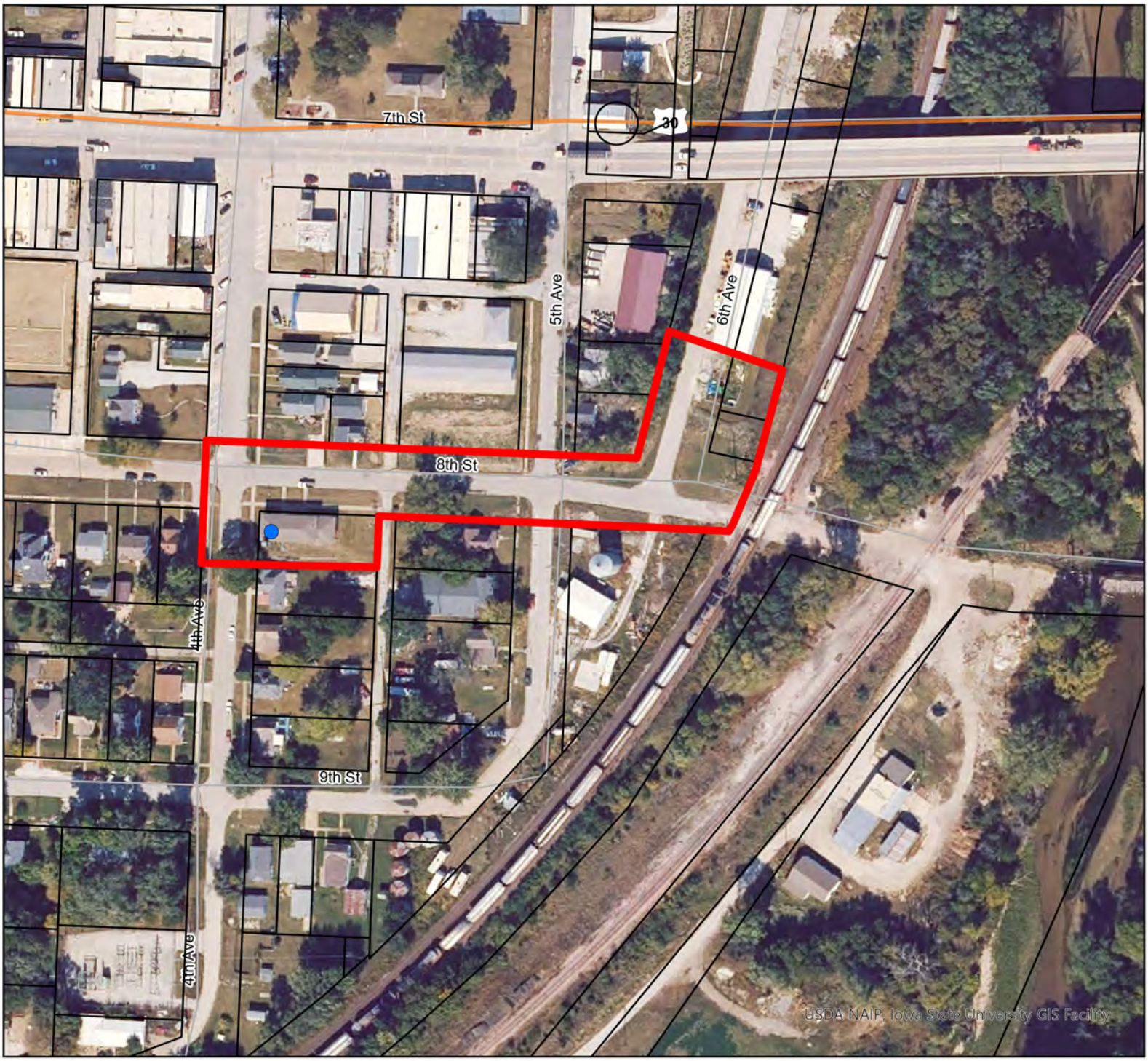


Harrison County. Image source: Wikipedia, 2025.

IOWA™
State Revolving Fund

2023 Aerial Photograph

N



City of Logan Water Treatment Improvements
Logan, IA (Harrison County)

0 125 250 500 Feet

Legend

- Proposed Project Area
- Water Treatment Plant
- Parcels