

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

July 17, 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 Andover

County: Clinton

State: Iowa

SRF Number: CS1921154 01

Iowa DNR Project Number: W2023-153A

The City of Andover, Iowa is planning an upgrade to their wastewater treatment plant. 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 Andover is located in Clinton County, Iowa approximately 50 miles northeast of Davenport, Iowa and 80 miles southwest of Rockford, Illinois. The population of Andover according to the 2020 US Census was 109. The design population equivalent for the year 2043 is 120.

The City of Andover Sewage Treatment Plant (STP) consists of a one cell-controlled discharge waste stabilization lagoon. Wastewater flows to the lagoon via gravity. The treated effluent is discharged from the controlled lagoon to Spring Creek. The existing single cell lagoon does not meet current design standards and exceeds the limits set forth in the current NPDES permit on a regular basis.

The purpose of this project is to make improvements to the wastewater treatment facilities to enhance their reliability, meet current permit standards, increase capacity and to replace obsolete system to safely and reliably operate the City of Andover's wastewater system for the next 20 years.

The proposed project includes the conversion of the existing single cell lagoon into a 3-cell aerated lagoon system. The existing lagoon will be dredged, an earthen barrier will be constructed to divide the lagoon into two separate cells and a baffling wall will be constructed in a cell to create the 3-cell. In addition, construction of a SAGR system is proposed. The SAGR system will consist of 4 cells that have dimensions of 13'x33' each.

Each cell will be 7 to 8 feet deep. A lift station is also planned to be constructed between the lagoon and the SAGR system. The proposed project also includes installation of new overhead electric and all of necessary connections & appurtenances between the existing lagoon, lift station, and the proposed new SAGR cells.

The treated wastewater from the existing facility with proposed improvements will continue to discharge to Spring Creek, tributary to the Elk River. Spring Creek has a use stream designation of A-2, B(WW-2). The Elk River has a use stream designation of A1, B(WW-2).

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 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”).

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 Nicole.Osborn@dnr.iowa.gov or (515) 321-7601
Sincerely,

Nicole Osborn
Environmental Specialist
6200 Park Ave, Suite 200
Des Moines, IA 50321

Enclosures: Environmental Assessment
Project Map

Distribution

List (email): Garden & Associates, Ltd.
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
Tracy Scebold, Iowa Finance Authority
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, USDOL, National Park Service, Midwest Region
Kraig McPeck, Fish and Wildlife Service, Rock Island Field Office
Ann D'Alfonso, USEPA Region VII
Kelly Beard-Tittone, USEPA Region VII
River Bend Times

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
ENVIRONMENTAL ASSESSMENT DOCUMENT

PROJECT IDENTIFICATION

Applicant: City of Andover
County: Clinton
State: Iowa

SRF Number: CS1921154 01
Iowa DNR Project Number: W2023-153A

COMMUNITY DESCRIPTION

Location: The City of Andover is located in Clinton County, Iowa approximately 50 miles northeast of Davenport, Iowa and 80 miles southwest of Rockford, Illinois.

Population: The population of Andover according to the 2020 US Census was 109. The design population equivalent for the year 2043 is 120.

Current Waste Treatment: The City of Andover Sewage Treatment Plant (STP) consists of a one cell-controlled discharge waste stabilization lagoon. Wastewater flows to the lagoon via gravity. The treated effluent is discharges from the controlled lagoon to Spring Creek. The existing single cell lagoon does not meet current design standards and exceeds the limits set forth in the current NPDES permit on a regular basis.

PROJECT DESCRIPTION

Purpose: The purpose of this project is to make improvements to the wastewater treatment facilities to enhance their reliability, meet current permit standards, increase capacity and to replace obsolete system to safely and reliably operate the City of Andover's wastewater system for the next 20 years.

Proposed Improvements: The proposed project includes the conversion of the existing single cell lagoon into a 3-cell aerated lagoon system. The existing lagoon will be dredged, an earthen barrier will be constructed to divide the lagoon into two separate cells and a baffling wall will be constructed in a cell to create the 3-cell. In addition, construction of a SAGR system is proposed. The SAGR system will consist of 4 cells that have dimensions of 13'x33' each. Each cell will be 7 to 8 feet deep. A lift station is also planned to be constructed between the lagoon and the SAGR system. The proposed project also includes installation of new overhead

electric and all of necessary connections & appurtenances between the existing lagoon, lift station, and the proposed new SAGR cells.

Receiving Stream: The treated wastewater from the existing facility with proposed improvements will continue to discharge to Spring Creek, tributary to the Elk River. Spring Creek has a use stream designation of A-2, B(WW-2). The Elk River has a use stream designation of A1, B(WW-2).

ALTERNATIVES CONSIDERED

Alternatives Considered: The following alternatives were considered for wastewater treatment for the Andover WWTF.

Alternative 1 - Aerated Lagoon with SAGR System: The improvements under this alternative include converting the existing lagoon to a three-celled aerated lagoon with the addition of a post lagoon nitrification process to help reduce the ammonia and *E. Coli* concentration in the effluent. This alternative would pursue DNR approval for the *E. Coli* limits based on SAGR historical ability to remove *E. Coli* with no additional disinfection processes. If the community is not able to meet the designated *E. Coli* limit with the SAGR system then a UV system would be recommended. Adding a UV system to this alternative would increase the average monthly cost up \$3 per customer

Alternative 2 – Upgrade Existing Controlled Discharge Lagoon: The improvements under this alternative include the construction of a three cell 360 lagoon, including the expansion of Cell 1 to meet BOD5 loading rates, the addition of UV disinfection, installation of piping and structure, and replace flow meter with solar powered model.

Alternative 3 – Do Nothing: This alternative was eliminated from consideration; the existing facility won't be able to meet the proposed ammonia and *E. coli* effluent limits.

Reasons for Selection of Proposed Alternative: The recommended alternative is Alternative 1, Aerated Lagoon with SAGR System based on two factors: ability to meet future limits is better, and the land requirement is minimal. This selection will update the size, loading rates, and necessary design features using the updated design loads and Waste Load Allocation report from the DNR.

MEASURES TAKEN TO ASSESS IMPACT

Public Involvement: A public hearing was held on June 2, 2025 at 7:00PM at the City's regular council meeting. The public notice of this hearing was made available by a post to the City social media accounts on May 2nd 2025 and posted in three public locations on May 2nd, 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
- Natural Resources Conservation 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

Clinton County Historical Society

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 one or more acres of soil; 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. Provided that this permit is obtained and the terms of which are abided by, 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 (567 Iowa Administrative Code IAC 23.3(2)“c”).

This project may require the disposal of sewage sludge. It is the responsibility of the applicant to ensure that the disposal of any sewage sludge complies with applicable requirements found in 40 CFR Part 503 and 567 Iowa Administrative Code IAC 67.

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 floodplain development permits, state and local, are obtained and the terms of which are abided by.

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 Andover in areas zoned residential, commercial, or industrial. No significant farmlands will be impacted. An analysis of the farmland conversion impact was completed. Removing this area from production should not have a significant impact on corn or soybean production in the area, nor should it have a significant impact on the agricultural industry

in the area. 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 improved treatment of the wastewater from the City of Andover, compliance with effluent discharge permit limits, reduced discharge of the pollutants CBOD5, TSS, ammonia, E. coli and nutrients to the receiving stream, and improved water quality in the receiving stream.

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 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”).

THEREFORE:

The above project conforms to the criteria in 567 Iowa Administrative Code 92.8(1)“b” for *wastewater 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.

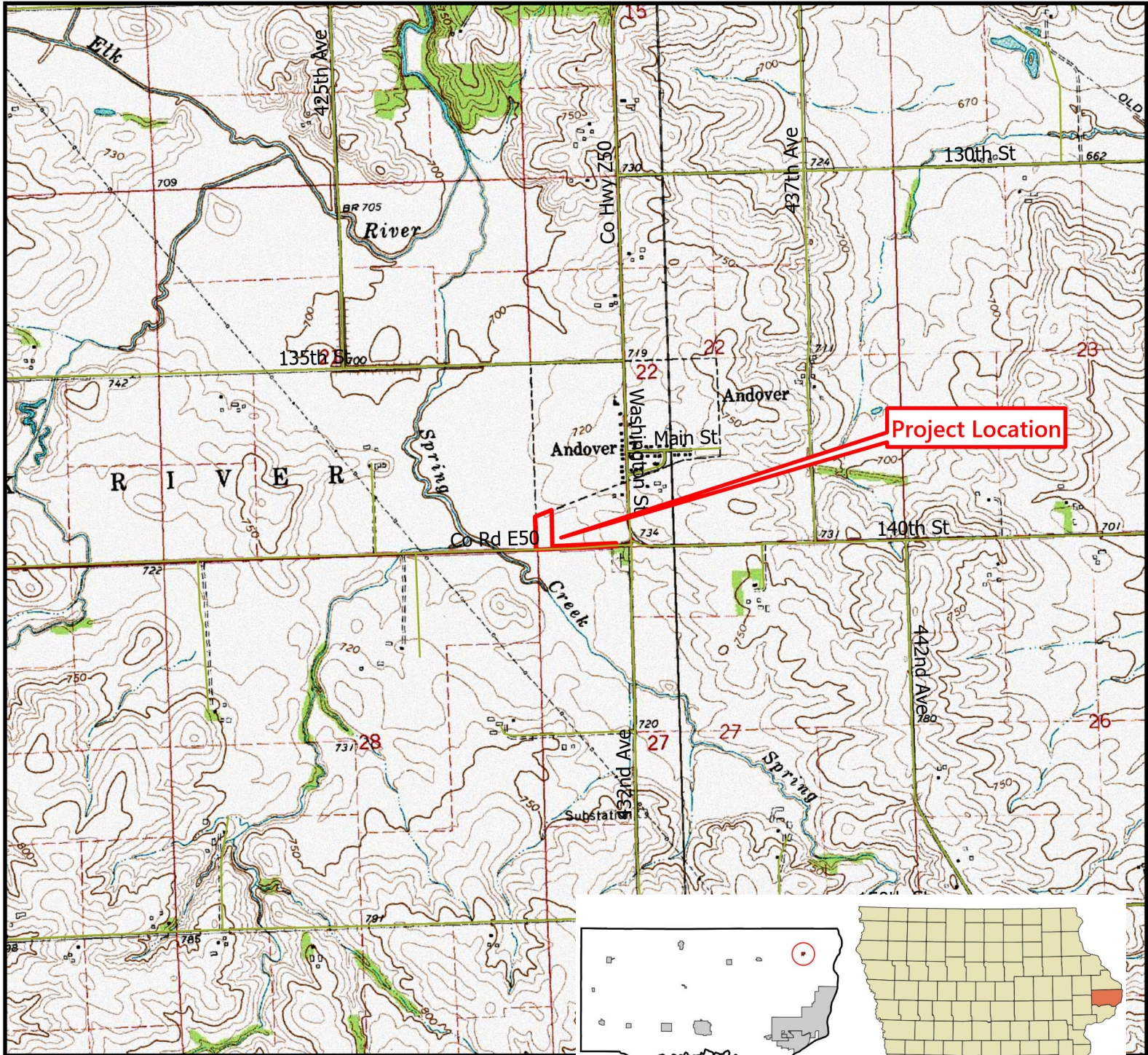
Nicole Osborn

Environmental Review Specialist
State Revolving Fund
Iowa Department of Natural Resources

USGS Topographic Map

Andover WWTF Improvements Project

Andover, IA (Clinton County, Iowa)



Legend



Project Area

Clinton County. Image source: Wikipedia, 2025.

USGS 7.5 Minute Quadrangle: Andover
Section: 21, 22 Township: 83 N, Range: 06 E
Date: 1967

Scale: 1:24,000





USDA NAIP, Iowa State University GIS Facility

Legend

 Project Area

Scale: 1:1,917

Andover WWTF Improvements
Andover, IA (Clinton County, Iowa)

