

**Iowa Flood Mitigation Program (FMP)
Flood Recovery Project Application**

I. Applicant Information

A. Applicant/Community Name		B. Address		City, State, Zip Code	
City of Davenport		226 W. 4th Street		Davenport, Iowa 52801	
C. Point of Contact (POC) Name for Project		POC Title	POC Agency	POC Email	
Clay Merritt		Capital Manager	City of Davenport	jmerritt@ci.davenport.ia.us	
POC PO Box and Zip Code	POC Street Address	POC City, State, Zip Code		POC Phone	
52807	1200 E. 46th Street	Davenport, IA 52807		563-888-3055	
Alternate POC Name or Authorized Representative		Alt POC Title	Alt POC Agency	Alternate POC Email	
Nicole Gleason		Asst City Admin	City of Davenport	nicole.gleason@davenportiowa.com	
Alt POC PO Box and Zip Code	Alt POC Street Address	Alt POC City, State, Zip Code		Alt POC Phone	
52807	1200 E. 46th Street	Davenport, Iowa 52807		563-326-7734	
D. Federal Tax ID # / FEIN	E. County Name	F. US Congressional District(s)		State Legislative Districts	
	Scott	Iowa-02		Senate 41/42/43	House 81/84/85/86
G. Is the Applicant/Community participating in the National Flood Insurance Program (NFIP)?			Community's CID Number		
YES					

II. Project Cost Information

A. Identify the requested funding source:

Permanent Work

B. Project Budget Summary

Engineering/Contractual Services	\$ 400,000.00
Construction	\$ 4,000,000.00
Total Project Budget Summary	\$ 4,400,000.00

C. Project Funding Source

Identify all anticipated funding sources for the project and the amounts.

State that you have applied for and/or received approved federal, state and/or local financial assistance.

Please insert additional rows as needed.

Identify source	Applied/ Received	Federal \$	State \$ (Capital FRF)	Local \$	TOTAL
Flood Recovery Fund		\$ -	\$ 3,960,000.00	\$ -	\$ 3,960,000.00
City of Davenport		\$ -	\$ -	\$ 440,000.00	\$ 440,000.00
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Total Project Funding Source		\$ -	\$ 3,960,000.00	\$ 440,000.00	\$ 4,400,000.00

III. Project Plan Summary

A. Provide a brief description of the project and how the project supported flood response or will support future flood recovery and flood mitigation activities. This is a summary of Tab B - Project Plan.

The Water Pollution Control Plant (WPCP) and Compost facility needs to be protected from flooding caused by the Mississippi River to the highest practical level, which is an elevation of 569 ft (NVD 1988) or 28.5 ft. as measured on the river by the gauge located on Lock and Dam 15. In 2019, the City of Davenport experienced record flooding on the Mississippi River in both the size and length of the event. In terms of duration, the event lasted 103 days above flood stage and 66 days above major flood stage, a record for the most consecutive days in the region. The river gage located nearby at the Army Corp of Engineer's Lock and Dam 15, recorded three back-to-back crests over major flood stage, all of which are now historically in the region's top ten crests, including the record crest of 22.7 ft. This event resulted in a Presidential Disaster declaration for Scott County, Iowa.

As the Mississippi River continued to climb to its record flood level of 22.7 feet, City staff were in the process of reviewing and finalizing plans to evacuate staff at the Water Pollution Control Plant if the river level reached 23.5 feet. At that time, the facility's staff were isolated on site, due to the height of the floodwaters, and the City's Fire Department would be required to utilize boats for a rescue operation. If 24.0 feet been reached, the administrative building and tunnels would have taken on water. These tunnels house the facility's mechanical and electrical systems, essentially its central nervous system. At 26.0 feet, the drywells would have become inundated, therefore exposing four large pumps, located four stories below the ground to river water. This machinery, the facilities internal organs, pumps sewage into the plant at a rate of 25 million gallons, per pump, on a daily basis. If these pumps are not functioning, sewage cannot enter into the plant for treatment and the collection system will backup. These systems, machines and corresponding controls are designed specifically for the plant and would take months, if not years, to repair and replace.

The plant serves an estimated total population of 139,216, this includes 48 large scale industrial sites, 6,105 commercial properties and 47,455 homes.

The Quad Cities Chamber of Commerce recently performed an economic impact summary on the top 11 industrial users served by this facility; those 11 businesses employ 9,272 individuals with an annual personal income totaling \$688 million. The value of the industrial output of these 11 companies annually is \$5.8 billion. The analysis states a one week full-shutdown would have a \$126 million impact on direct personal income and industrial output. A one month full shutdown rises to an impact of \$547 million on direct personal income and industrial output. In order to ensure business continuity throughout the area; these critical public assets must be protected to a higher level against flooding from North America's largest waterway.

B. Provide a brief description of the financial assistance need through the Flood Recovery Fund.

The entire flood mitigation project for the WPCP and Compost facility is estimated to cost approximately \$20,000,000. In order to move the project forward; the City has broken the project into more manageable phases from both a financial and constructability perspective. Phase one will be accomplished with a grant from the Economic Development Administration (EDA) that requires a \$2,500,000 local match. To keep momentum moving forward on this critical regional project; the City is requesting assistance in funding phase two which will complete the berm system and therefore physically protect these facilities. Attempting to fund the local match for phase one and fully funding phase two would be a large financial burden on the four municipalities that use these facilities and would also stretch out the timeline for implementation; this increases the risk of future flood events potentially causing catastrophic harm to the region.

Phase I will take approximately 44 months to complete from EDA grant award to finishing closing out all the grant paperwork. Phase II will link up with Phase I so it can be happening concurrently or offset by one year. They can be moving forward in a similar timeframe.

C. Explain how financial assistance through the Flood Recovery Fund is essential to meet the necessary expenses or serious needs of the applicant related to flood response, flood recovery, and flood mitigation.

Financial assistance will allow the second phase of the project to move forward with an accelerated timeline and remove the financial burden from the four municipalities that use the facility.

D. Provide details of any additional funds that can be applied to the project.

The Joint Use Cities, which include Davenport, Bettendorf, Panaroma Park and Riverdale, is committing 10% of the project cost, funded through its Capital Improvement Plan. There is an existing 28E Intergovernmental Agreement between all parties for the funding of projects associated with the Water Pollution Control Plant and Compost Facility.

E. Description of Project Location (i.e. Latitude and Longitude (minimum 6 digits after the decimal), Neighborhood, Subdivision, Geographic Boundaries, Driving Directions, etc.)

The Water Pollution Control Plant (WPCP) address is 2606 South Concord and the Compost Facility address is 2707 Railroad Avenue. The facilities are bound to the south by South Concord, to the east by Wapello Avenue, to the west by Miller Avenue and to the north by Railroad Avenue. Westbound and eastbound traffic can access the WPCP by taking West River Drive to South Concert Street until you reach the plant's entrance or continue along South Concord, turn north on Wapello Avenue and then right on Railroad Avenue to reach the entrance to the Compost facility. GPS location for the WPCP is (41.492138, -90.627400) and Compost is (41.489865, -90.631459).

IV. Work Schedule

A. List the major milestones for this project.

Task	Months/Years from Award		Responsible Party
	Start	Complete	
Grant Awards	Month 1	Month 2	IHSEMD/City of Davenport
Preliminary Engineering	Month 2	Month 11	City of Davenport/Contracted Engineering Firm
Procurement for Construction	Month 12	Month 13	City of Davenport Purchasing Department
Construction	Month 14	Month 22	City of Davenport/Contracted Construction Firm
Closeout	Month 22	Month 23	IHSEMD/City of Davenport
Total Project Duration:	23 Months		

V. Certifications

To the best of my knowledge and belief, I certify that all data in this application packet is complete, true and correct. The governing body of the applicant has duly authorized this document and hereby applies for assistance as documented in this application. The applicant understands that the project shall not proceed until Flood Mitigation Board approval is granted.

Signature of the Chief Executive Officer

Name of the Chief Executive Officer

Title

Organization

Date

Phone Number

Signature of the Authorized Representative

Name of Authorized Representative

Title

Organization

Date

PO Box / Street Address

City, State and Zip Code

Phone Number

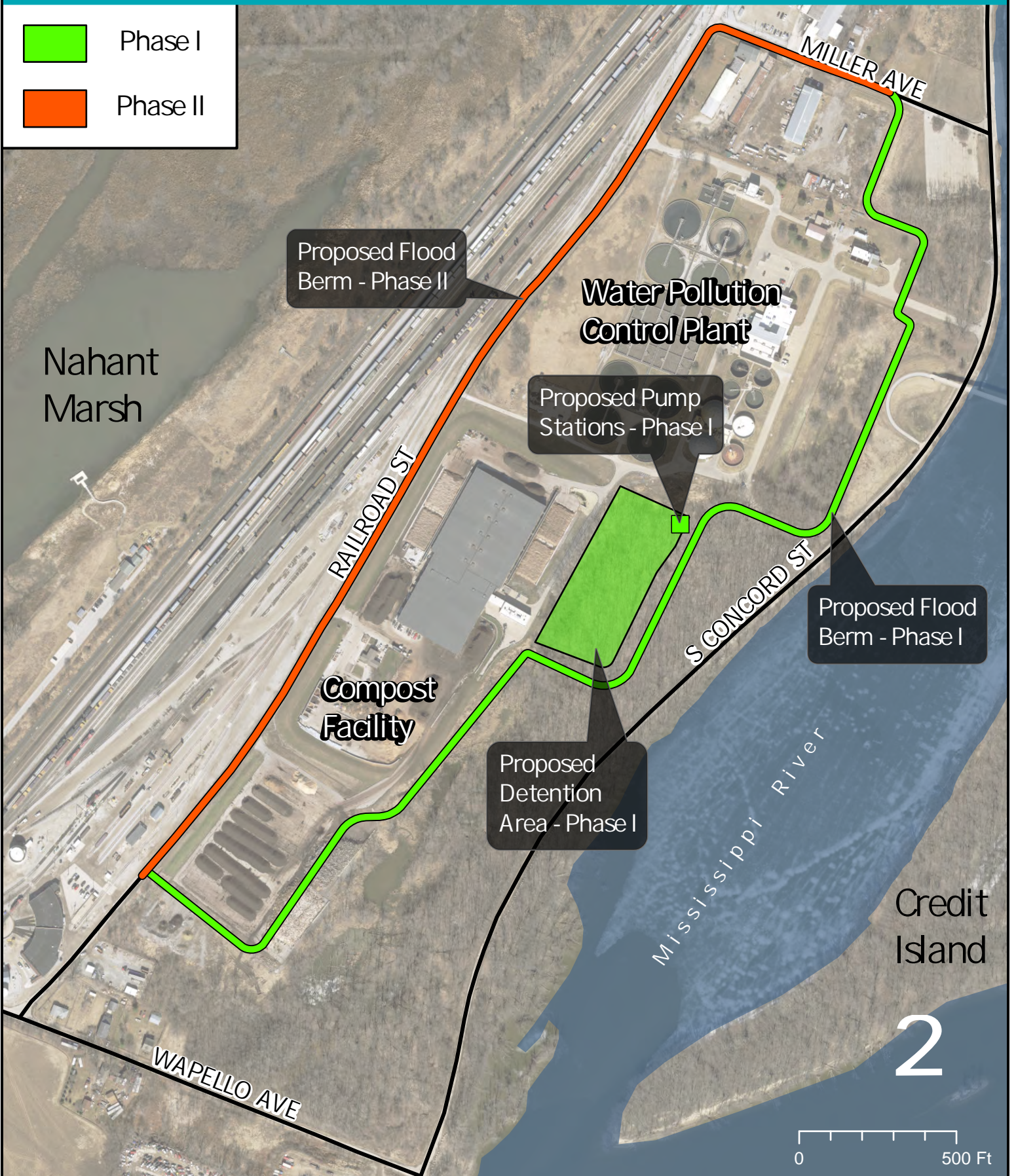
Email Address



Phase I



Phase II



Nahant Marsh

Proposed Flood Berm - Phase II

Water Pollution Control Plant

Proposed Pump Stations - Phase I

Proposed Flood Berm - Phase I

Compost Facility

Proposed Detention Area - Phase I

Mississippi River

Credit Island

WAPELLO AVE

RAILROAD ST

S CONCORD ST

MILLER AVE

2

0 500 Ft

CEDAR RAPIDS – WATER POLLUTION CONTROL PLANT

MAY 2, 2019

Photos taken by: Civil Air Patrol

