



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

JB PRITZKER, GOVERNOR

JOHN J. KIM, DIRECTOR

Project Summary and Preliminary Environmental Impacts Determination

Date: MAR 03 2022

Loan Applicant: City of Batavia
IEPA Loan Project Number: L176095

To all interested persons:

Section 365.330 of the Illinois Procedures for Issuing Loans from the Water Pollution Control Loan Program requires that the Illinois Environmental Protection Agency (IEPA) conduct an assessment of the environmental impacts of proposed wastewater projects to be funded with loans. This review is carried out in conjunction with the State's review of the applicant's project plan.

Prior to final approval of the project plan, the public's comments are sought regarding environmental impacts of the proposed project. Unless new information obtained through the public comment process causes reconsideration, the Agency will approve the project plan at the close of the public comment period.

The applicant will make the attached Project Summary and Preliminary Environmental Impacts Determination (PEID) available for public inspection. Within 60 days of receiving this letter, the applicant must conduct a public hearing regarding both the PEID and project planning. Advertisement of the hearing must be made at least 10 days in advance. The advertisement must include the purpose of the project along with the date, time, and location of the hearing. A comment period of at least 10 days shall be provided after the hearing in which written comments may be submitted to the loan applicant or to the IEPA contact person identified in the attached document.

For information purposes only, a copy of this document is being provided to your local newspaper of record.

Your interest and participation in this process are appreciated.

Sincerely,

A handwritten signature in cursive script, appearing to read "Heidi Allen".

Heidi Allen
Pre-Construction Unit Manager
Infrastructure Financial Assistance Section
Bureau of Water

HA:CC

Project Summary and Preliminary Environmental Impacts Determination

The following project summary and environmental assessment has been prepared by the IEPA to assist the loan applicant in complying with the public notice requirements. This report is based on information submitted to the IEPA by the City of Batavia. Sources of information include the following documents: Phase IIA Wastewater Treatment Facility (WWTF) Improvements Project Planning Report (November 2021). Additional documentation was obtained from loan application documents and other correspondence with other agencies and compiled by the IEPA.

Part I – Project Information

Project Name: WWTF Phase IIA Improvements

Loan Applicant: City of Batavia

County: Kane

Project Number: L175521

Current Population: 26,420

Future Population (Year 2040): 26,420

Project Description: The project entails upgrades/rehabilitation to the WWTF in order to address excess flow and odor control issues. Specific activities include construction of a bypass for the Excess Flow Clarifier, replacement of the headworks with a new headworks building, primary clarifier rehabilitation, final clarifier rehabilitation, replacement of the UV disinfection system, and replacement of the existing outfall. The outfall replacement consists of the removal of the existing outfall and replacing it with a new outfall near the location of the new Tertiary Building. In addition, the existing critical infrastructure (blowers and WAS thickening) within the existing Sludge Handling Building will be relocated to facilitate construction of a Phase IIB expansion project. Activities associated with Phase IIA project will not change the flow rates for the facility, however future Phase IIB activities will expand the facility's Design Average Flow (DAF) from 4.2 to 4.9 MGD. In addition to conditions put forth from USACE outlined further in Part III of this PEID, the removal of the outfall may require an anti-degradation analysis and possible NPDES Permit modification.

Project Location: See the attached map for project location.

Project Justification: The existing wastewater facilities were last upgraded in 2001, with much of the equipment reaching the end of its service life. Additionally, several of the buildings are deteriorating structurally, and odor control facilities are needed to reduce nuisance to the surrounding public.

Estimated Construction Start Date: Spring 2023

Estimated Construction Completion Date: Spring 2024

Project Cost Estimate: \$30,000,000

Part II – Project Affordability for Residents and Utility Customers

The applicant is proposing to finance part of the project costs with a loan from the IEPA Water Pollution Control Loan Program (WPCLP). A \$30,000,000 loan, with an estimated interest rate of 1.11%, for a twenty (20) year period, would have an annual repayment of approximately \$1,673,346.

Source of Loan Repayment: user fees

Current Average Monthly Residential Cost of Service: \$49.73

Projected Average Monthly Residential Cost of Service: \$85.23

Number of Customers or Service Connections: 9,300

How is the residential rate/cost of service calculated? The current rate structure consists of a fixed \$9.95 charge and an additional \$4.42 per 100 cubic feet of water used. For an average residential customer who uses 900 cubic feet of water per month, the monthly bill is \$49.73. The City intends to increase user fees by 8% per year from 2022-2028, with the resulting 2028 anticipated average monthly bill being \$85.23.

Median Household Income (MHI): \$93,789

Financial Evaluation of the proposed project: In order to evaluate the cost of the proposed project on the community, a percentage comparison of the MHI to the annual cost for services is utilized. According to the most recent census information, the MHI for Batavia is \$93,789. The projected total annual service cost of \$1,022.76 is 1.09 percent of the MHI for the area. The percentage is for comparison only and has no impact on whether a project qualifies for funding from the IEPA. The percentage comparison and MHI are two of several criteria used to determine whether a loan project qualifies for interest rate reductions or principal forgiveness.

Part III – Environmental Issues Associated with the Project

Project construction impacts: Temporary adverse environmental impacts such as construction-associated noise, blowing dust, air emissions, traffic disruptions, and soil erosion will likely occur during construction.

Illinois Department of Natural Resources: The City submitted project information to the Illinois Department of Natural Resources (IDNR), State Historic Preservation Office (SHPO), for consultation under Section 106 of the National Historic Preservation Act of 1966. The Agency stated that from the information provided, no known historic properties will be affected.

The City submitted project information to the IDNR EcoCAT website to determine compliance with the Illinois Endangered Species Act, Illinois Natural Areas Preservation Act, the Illinois Wetlands Act, and Title 17 Ill. Adm. Code Parts 1075 and 1090. The Department has concluded that adverse effects are unlikely.

U.S. Army Corps of Engineers (USACE): The City submitted project information to the USACE to request a Regional Permit 8 (RP8) Category I permit to remove and replace the existing effluent outfall. USACE has requested that the City provide further information and requires a wetland

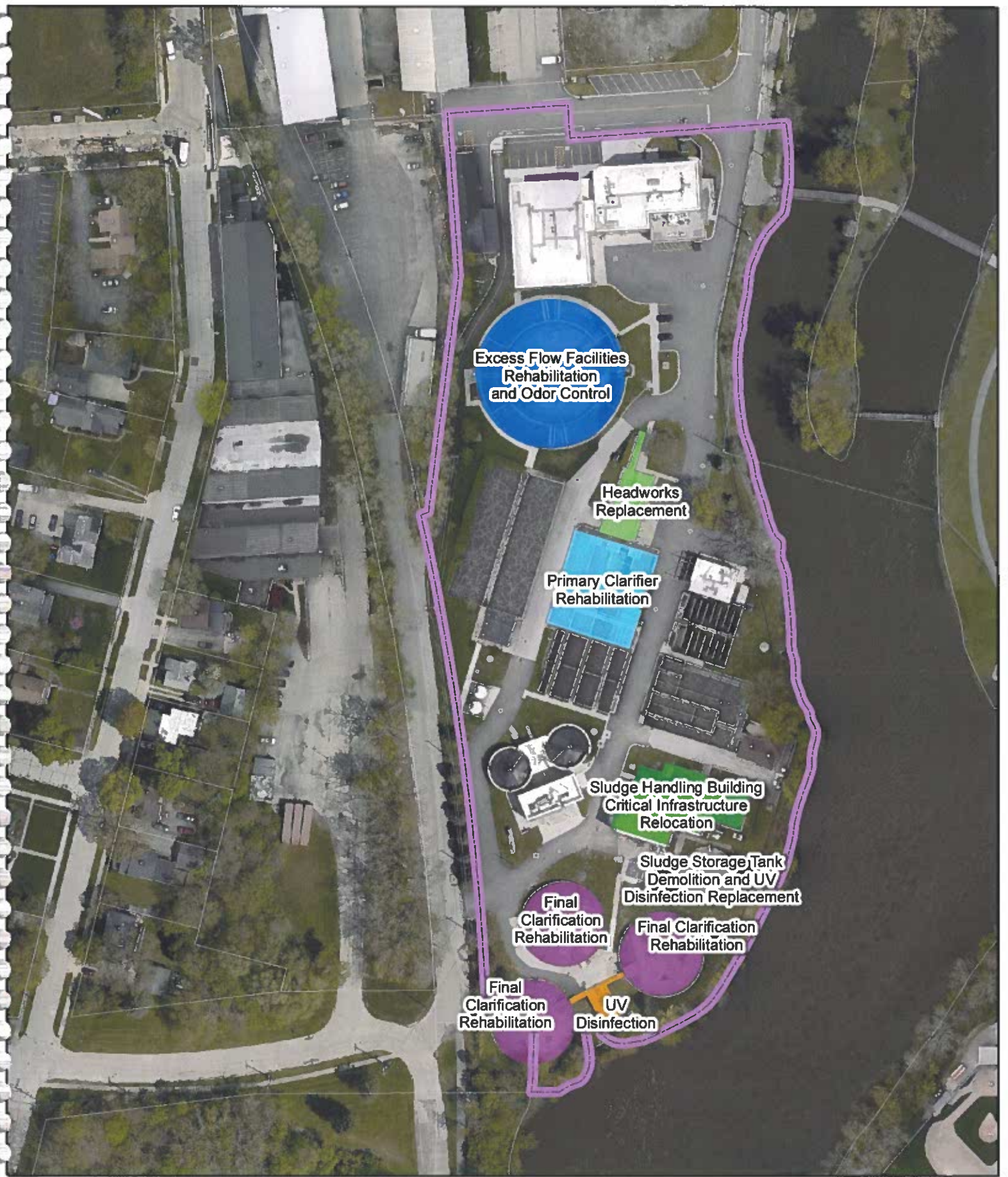
delineation be performed at the project site and submitted for a jurisdictional determination/concurrence of wetland boundaries prior to commencement of work.

The IEPA will not issue a Planning Approval until all matters regarding wetland delineation and a Regional Permit are resolved. A loan will not be issued until all necessary permits are obtained and approval is granted by Kane DuPage Soil & Water Conservation District. Comments or a permit are also required from the IL Department of Natural Resources due to construction within a floodway. The City shall incorporate all, if any, required environmental protective and mitigative measures into the design and bidding specifications for construction of the project.

Public comments are invited on the proposed project. For further information contact:

Chris Covert, Project Manager
Bureau of Water, IFAS
Illinois Environmental Protection Agency
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9276

(217) 782-2027



40W201 Wasco Road, Suite D St Charles, IL 60175
 P: 630-587-0470 F: 630-587-0475

WWTF Site Map

City of Batavia, Kane, Illinois

Project No.: BAT031

Base File:

Sheet File:

Issue Date: October 27, 2021

Scale: 1 inch = 120 feet

Sheet
Number

1

Mailing List – Environmental Review

Project: Batavia

L17: 6095

Check entities to receive Preliminary Environmental Impacts Determination/Notice of Categorical Exclusion. Agencies may be omitted if they have already provided an unconditional written sign-off on the planning.

Illinois Historic Preservation Agency (SHPO)

Illinois Department of Natural Resources
Office of Realty & Environmental Planning (for rare/endangered species, natural areas, and Interagency Wetlands Policy Act)

Illinois Department of Natural Resources
Office of Water Resources (for lakes, rivers and stream crossings, floodway/floodplain construction)

Illinois Department of Agriculture

U.S. Army Corps of Engineers – Check Appropriate Regional Office

Rock Island District

St. Louis District

Chicago District

Designated 208 Areawide Planning Agency – Check Appropriate Agency

CMAP

GERPDC

SWIPC

Green Infrastructure Coordinator: Chris Covert

IEPA Field Office (Des Plaines)

Loan Applicant

Peggy Colby, Finance Director
City of Batavia
400 S. Shumway Ave
Batavia, IL 60510

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Local Newspaper of Record

Paddock Publications, Inc.
P.O. Box 280
Arlington Heights, IL 60006

Consulting Engineer

Trotter : Associates

Other Interested Parties

Kane-DuPage Soil & Water Conservation District
2315 Dean St. #100
St. Chas, IL 60175

Project Manager: Chris Covert

Date: 3/3/28

Copies of the Preliminary Environmental Impacts Determination/Notice of Categorical Exclusion have been mailed to the above entities.

Signed: 

Date: 3/3/2022