



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

REPLY TO ATTENTION OF
ECW-15J

VIA ELECTRONIC MAIL

Mayor Curtis McCall Sr.
City of Cahokia Heights
103 Main Street
Cahokia Heights, Illinois 62206
ymccall@cahokiaillinois.org

Subject: February 8-9, 2023, NPDES SSO Inspection Trip Report for City of Cahokia Heights

Dear Mayor McCall:

Enclosed, please find a copy of the U.S. Environmental Protection Agency Inspection Trip Report that describes and documents the observation made by the EPA inspection team in the City of Cahokia Heights on February 8-9, 2023. The purpose of the reconnaissance inspection in the City of Cahokia Heights was to observe locations where sanitary sewer overflows had happened in the past and document their condition under both dry and wet-weather conditions.

If you have any questions or concerns regarding this letter, or the inspection trip report, please contact Dean Maraldo at (312) 353-2098 or at maraldo.dean@epa.gov.

Sincerely,

Ryan Bahr



Digitally signed by Ryan

Bahr
Date: 2023.02.15
08:50:48 -06'00'

Ryan J. Bahr
Supervisor, Section 2 Water Enforcement and Compliance Assurance Branch

Enclosure

cc: Sharlin Pfeffer, City of Cahokia Heights [spfeffer@cahokiaillinois.org]
Dennis Traiteur, City of Cahokia Heights [dtraiteur@cahokiaillinois.org]
Todd Bennett, Illinois EPA [Todd.Bennett@Illinois.gov]
Joe Stitely, Illinois EPA [Joe.Stitely@Illinois.gov]

Purpose: NPDES SSO Inspection Trip Report

Facility: Cahokia Heights, Illinois

NPDES ID Number (No NPDES Permit): ILN000019

Date of Inspection: February 8-9, 2023

Illinois EPA Inspectors: None

EPA Inspectors:

Ted Flatebo, EPA Region 5; (312) 886-9402; flatebo.ted@epa.gov

Dean Maraldo, EPA Region 5; (312) 353-2098; maraldo.dean@epa.gov

Joan Rogers, EPA Region 5; (312) 886-2785; rogers.joan@epa.gov

City of Cahokia Heights Representatives: None

Inspection Trip Report Prepared by:

DINO

Digitally signed by DINO

MARALDO

MARALDO

Date: 2023.02.14

13:53:06 -06'00'

Dean Maraldo, EPA Region 5 Inspector

EPA Inspector Signature:

Approver Name & Title:

Ryan Bahr

Digitally signed by Ryan

Bahr

Date: 2023.02.15

08:50:28 -06'00'

Ryan Bahr, Supervisor, Section 2 Water

Enforcement and Compliance Assurance Branch Approval Signature and Date:

On February 8-9, 2023, EPA inspectors Ted Flatebo, Dean Maraldo, and Joan Rogers conducted a Sanitary Sewer Overflow (SSO) reconnaissance inspection in the City of Cahokia Heights and observed several lift stations and chronic SSO locations to document whether they were discharging or had evidence of recent discharges. The inspection began at 1:15 P.M. on February 8, 2023, and concluded at 9:20 A.M. on February 9, 2023. Prior to the inspection, the last measurable rainfall recorded at the St. Louis Downtown Airport (KCPS) in St. Clair County occurred on January 30 (0.03”). During the evening of February 8 and the early morning hours of February 9, a total of 0.85” of rain was recorded at KCPS.

This trip report summarizes the inspection observations. All photographs referenced below were taken by Inspector Dean Maraldo.

Location #1: Belleview Ave. Ditch Outlet to Canal #1

EPA inspectors arrived at N. 80th St. in Cahokia Heights at 1:15 P.M. on February 8, 2023. The purpose of visiting this location was to observe the outlet of the ditch (referred to as the “Belleview Ditch” in this report) that runs southeast to northwest across this portion of the City into Canal #1 (see Figure 1).



Figure 1. Aerial photograph showing confluence of Belleview Ditch and Canal #1, in Cahokia Heights.

Bellevue Ditch conveys stormwater from roadside ditches throughout the area around Bellevue Avenue in Cahokia Heights. Canal #1 and the property along its banks are owned and operated by the Metro East Sanitary District (MESD). Prior to accessing the Canal #1 property, EPA received verbal approval to access the property from MESD. The EPA inspectors walked along the banks of Canal #1 and observed the outlet of Bellevue Ditch to Canal #1. The photographs and descriptions below document EPA's observations.



1: CCHT0171

Description: Confluence of Canal #1 and Bellevue Ditch. Water was flowing from the ditch into Canal #1.

Location: Northwest of corner of Bellevue Ave. and 80th St. (38.589984°N; 90.075693°W).

Camera Direction: 348°.

Date/Time: February 8, 2023/ 1:29 P.M.



2: CCHT0172

Description: Upstream view of Belleview Ditch from confluence with Canal #1.

Location: Northwest of corner of Belleview Ave. and 80th St. (38.589984°N; 90.075693°W).

Camera Direction: 94°.

Date/Time: February 8, 2023/ 1:29 P.M.



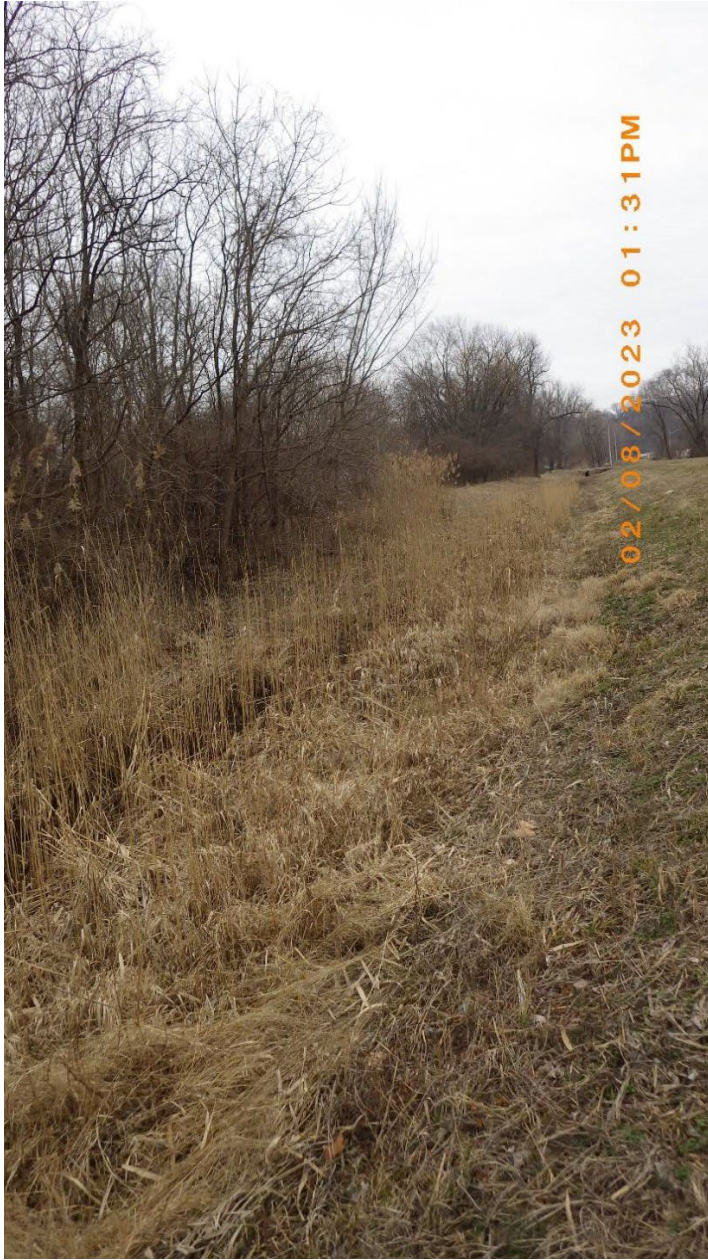
3: CCHT0173

Description: Downstream view of Canal #1 from outlet of Belleview Ditch.

Location: Northwest of corner of Belleview Ave. and 80th St. (38.589984°N; 90.075693°W).

Camera Direction: 238°.

Date/Time: February 8, 2023/ 1:30 P.M.



4: CCHT0174

Description: Upstream view of Belleview Ditch toward 80th St. Water in ditch flowing toward Canal #1.

Location: Northwest of corner of Belleview Ave. and 80th St.

Camera Direction: 98°.

Date/Time: February 8, 2023/ 1:31 P.M.



5: CCHT0175

Description: Upstream view of Belleview Ditch just northwest of 80th St. Note 80th St. culvert.
(Photo cropped to remove Personally Identifiable Information or “PII”)

Location: Northwest of 80th St.

Camera Direction: 106°.

Date/Time: February 8, 2023/ 1:34 P.M.



6: CCHT0176

Description: Upstream view of Belleview Ditch from 80th St. (Photo cropped to remove PII.)

Location: 80th St. where Belleview Ditch flows through culvert.

Camera Direction: 100°.

Date/Time: February 8, 2023/ 1:35 P.M.



7: CCHT0179

Description: Debris and vegetation growth in Belleview Ditch.

Location: Just south of 81st St.

Camera Direction: 165°.

Date/Time: February 8, 2023/ 1:37 P.M.

Location #2: SSO location on N. 80th St. just south of Bluff St.

EPA inspectors arrived at the location of a recently reported SSO in the vicinity N. 80st St. and Bluff St. at 1:40 P.M. EPA inspectors observed standing water in the ditch next to the street. They did not observe any sanitary sewer overflows in the area.



8: CCHT0180

Description: Location of a recent SSO reported by the City of Cahokia Heights. (Photo cropped to remove PII) No SSO discharge was observed.

Location: N. 80th St. just south of Bluff St.

Camera Direction: 196°.

Date/Time: February 8, 2023/ 1:42 P.M.



9: CCHT0181

Description: Upstream view of roadside ditch with water flowing from the location of a recent SSO reported by the City of Cahokia Heights (top of image). (Photo cropped to remove PII.)

Location: Roadside ditch on east side of N. 80th St.

Camera Direction: 20°.

Date/Time: February 8, 2023/ 1:44 P.M.

Location #3: Sewer cleanout on N. 82nd St., south of Bluff St.

EPA inspectors arrived at the cleanout overflow location on N. 82nd St. at 1:53 P.M. The sewer cleanout was not discharging. EPA observed toilet paper debris around the base of the cleanout pipe and in the roadside ditch. EPA also observed what appeared to be lime spread around the cleanout pipe and ditch.



10: CCHT0182

Description: The cleanout on N. 82nd St. was not flowing on the day of the recon inspection. Note the toilet paper debris and what appeared to be lime around the base of the cleanout pipe and in the roadside ditch. (Photo cropped to remove PII.)

Location: Roadside ditch on west side of N. 82nd St.

Camera Direction: 283°.

Date/Time: February 8, 2023/ 1:54 P.M.

Location #4: Central and Eastern Cahokia Heights Lift Stations

EPA inspectors observed conditions at several lift stations in the central and eastern portions of Cahokia Heights, including lift stations at Bluff and 82nd St., Bellevue Ave., 73rd St., 73rd and Oakland St., 75th and Pershing Blvd., 75th and Clinton Ave., Lake Drive Pill Box, 63rd and Laura Ave., Pocket Rd., Jackson and Pocket Rd., Pfeiffer and Johnson Ln., Golden and Dorsey St., Old Missouri Road, and Lauralee and Violet Dr. EPA inspectors did not observe SSOs at any of these lift stations on February 8, 2023. Additional observations and photographs are provided below.



11: CCHT0183

Description: City of Cahokia Heights Sewer Department staff installing temporary sewer line bypass hose along east side of 63rd St. Sewer staff mentioned that the 63rd St. lift station will be replaced soon. (Photo cropped to remove PII.)

Location: 63rd St.

Camera Direction: 172°.

Date/Time: February 8, 2023/ 2:25 P.M.



12: CCHT0184

Description: Refurbished Pocket Rd. Lift Station, including new security fencing.

Location: Pocket Rd. near Missouri Ave.

Camera Direction: 127°.

Date/Time: February 8, 2023/ 2:42 P.M.



13: CCHT0185

Description: Jackson and Pocket Rd. Lift Station. Note bypass hose. (Photo cropped to remove PII.)

Location: Jackson St. and Pocket Rd.

Camera Direction: 175°.

Date/Time: February 8, 2023/ 2:48 P.M.



14: CCHT0186

Description: Pfeiffer and Johnson Ln. Lift Station. Note bypass hose. (Photo cropped to remove PII.)

Location: Pfeiffer Rd. and Johnson Ln.

Camera Direction: 243°.

Date/Time: February 8, 2023/ 2:52 P.M.



15: CCHT0187

Description: Lady of Snows Lift Station. Note damaged bypass pipe conveying sewage from lift station to sewer manhole along Old Missouri Ave. Sewer staff arrived at 3:10 P.M. to repair damaged pipe.

Location: Old Missouri Ave.

Camera Direction: 127°.

Date/Time: February 8, 2023/ 3:05 P.M.



16: CCHT0188

Description: Lauralee and Violet Dr. Lift Station.

Location: Lauralee Dr. and Violet Dr.

Camera Direction: 84°.

Date/Time: February 8, 2023/ 3:16 P.M.

After departing the Lauralee and Violet Dr. Lift Station at approximately 3:20 P.M the EPA inspection team ended the inspection for the day.

Location #5: Sewer cleanout on N. 82nd St., south of Bluff St.

During the evening of February 8 and the early morning hours of February 9, a total of 0.85” of rain was recorded at KCPS. EPA inspectors arrived at the sewer cleanout on N. 82nd St., south of Bluff St. at 8:35 A.M. on February 9, 2023. The cleanout was overflowing and the ditch leading from the cleanout was flowing. The EPA inspectors noted toilet paper debris in and around the ditch.



17: CCHT0189

Description: The cleanout on N. 82nd St. was flowing on February 9, 2023. Note the toilet paper debris around the base of the cleanout pipe and in the roadside ditch. (Photo cropped to remove PII.)

Location: Roadside ditch on west side of N. 82nd St.

Camera Direction: 284°.

Date/Time: February 9, 2023/ 8:35 A.M.

Location #6: SSO location on N 80th St. just south of Bluff St.

EPA inspectors arrived at the location of a recently reported SSO in the vicinity of N. 80th St. and Bluff St. at 8:40 A.M. on February 9, 2023. EPA inspectors observed water in the ditch next to the street and observed a bubbling discharge in the roadside ditch on the east side of N. 80th St. EPA inspectors captured the discharge on video (CCHT0191). EPA inspectors followed the flow of the water in the ditch southwest towards the twin culverts crossing under N. 80th St.



18: CCHT0190

Description: Location of a recent SSO reported by the City of Cahokia Heights. EPA inspectors observed a bubbling discharge in the roadside ditch on east side of N. 80th St.

Location: Roadside ditch on east side of N. 80th St.

Camera Direction: 160°.

Date/Time: February 9, 2023/ 8:45 A.M.

Location #7: Lady of Snows Lift Station

EPA inspectors arrived at the Lady of Snows Lift Station at 9:00 A.M. on February 9, 2023, and observed the repaired bypass pipe conveying sewage from lift station to sewer manhole along Old Missouri Ave.



19: CCHT0192

Description: Lady of Snows Lift Station. Note the repaired bypass pipe conveying sewage from lift station to sewer manhole along Old Missouri Ave.

Location: Old Missouri Ave.

Camera Direction: 107°.

Date/Time: February 9, 2023/ 9:02 A.M.

The EPA inspection team concluded the inspection at 9:20 A.M. on February 9, 2023.