



March 18, 2022

IEPA Division of Water Pollution Control
Attention: CSO Coordinator, Compliance Assurance Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

Re: CSO Public Notification Information Meeting/ CSO PPP and O&M requirements
City of Aurora's NPDES Permit #IL0048518
Fox Metro's NPDES Permit #IL0020818

To the Compliance Assurance Section,

The City of Aurora and Fox Metro Water Reclamation District (Fox Metro) completed the annual CSO Public Notification Information meeting on February 28, 2022. This meeting was jointly held to fulfill the City of Aurora's NPDES Permit #IL0048518, Special Condition #6, Item G.2 and Fox Metro's NPDES Permit #IL0020818, Special Condition #14, Item M.

Attached are the Chicago Tribune Certification of Publication public meeting advertisement, a copy of the public meeting sign-in sheet, and a copy of the presentation slides. The presentation summarizes the public notification measures taken by both entities. No members of the general public attended the meeting.

Public comments were open for 1 week via email after the meeting. No public comments have been received to date.

Should you have any questions on this submittal, please feel free to contact the undersigned.

Sincerely,

Karen K. Clementi
Assistant District Manager

cc: Tom Muth, Fox Metro WRD
John Hoffmann, City of Aurora

**FOX METRO WATER RECLAMATION DISTRICT
and the
CITY OF AURORA**

**COMBINED SEWER OVERFLOW (CSO) PROGRAMS
NOTICE OF PUBLIC INFORMATION MEETING**

On Monday, February 28, 2022 at 5:00 p.m. at the City of Aurora's City Hall located at 44 E. Downer Place, 5th floor in Aurora, Illinois, the Fox Metro Water Reclamation District (District) and the City of Aurora (City) will hold a public information meeting for the purpose of presenting to the general public the following:

**CSO Pollution Prevention Plan
CSO Operation & Maintenance Plan
CSO Public Notification Program**

This public information meeting is required by the Illinois Environmental Protection Agency as a Special Condition of the District's and City's National Pollutant Discharge Elimination System (NPDES) permits. Comments and questions from the public are welcome at this meeting as part of the ongoing implementation of these plans/programs.

Dated this 6th day of February, 2022.

Sold To:

City of Aurora Purchasing Dept - CU00418771
44 E Downer Pl
Aurora, IL 60505-3302

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Certificate of Publication:

Order Number: 7142482

Purchase Order: 297783

State of Illinois - Kane

Chicago Tribune Media Group does hereby certify that it is the publisher of the The Beacon-News. The The Beacon-News is a secular newspaper, has been continuously published Daily for more than fifty (50) weeks prior to the first publication of the attached notice, is published in the City of Aurora, Township of Aurora, State of Illinois, is of general circulation throughout that county and surrounding area, and is a newspaper as defined by 715 IL CS 5/5.

This is to certify that a notice, a true copy of which is attached, was published 1 time(s) in the The Beacon-News, namely one time per week or on 1 successive weeks. The first publication of the notice was made in the newspaper, dated and published on 2/06/2022, and the last publication of the notice was made in the newspaper dated and published on 2/06/2022.

This notice was also placed on a statewide public notice website as required by 715 ILCS 5/2. 1.

PUBLICATION DATES: Feb 06, 2022.

The Beacon-News

In witness, an authorized agent of The Chicago Tribune Media Group has signed this certificate executed in Chicago, Illinois on this

1st Day of March, 2022, by

Chicago Tribune Media Group



Jeremy Gates

**FOX METRO WATER RECLAMATION DISTRICT
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Dated this 6th day of February, 2022.
2/6/2022 7142482

SIGN-IN SHEET

CITY OF AURORA AND FOX METRO WRD

CSO PUBLIC MEETING

FEBRUARY 28, 2022

PLEASE PRINT

1. *JOHN HOFFMANN CITY OF AURORA ENGINEERING*
2. *Tom Muth FOX METRO WRD*
3. *Karen Clementi FOX METRO WRD*
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.
- 12.

Public Information Meeting

**City of Aurora *and*
Fox Metro Water Reclamation District**

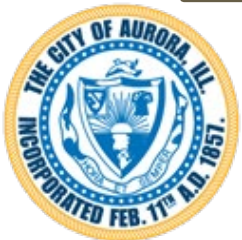
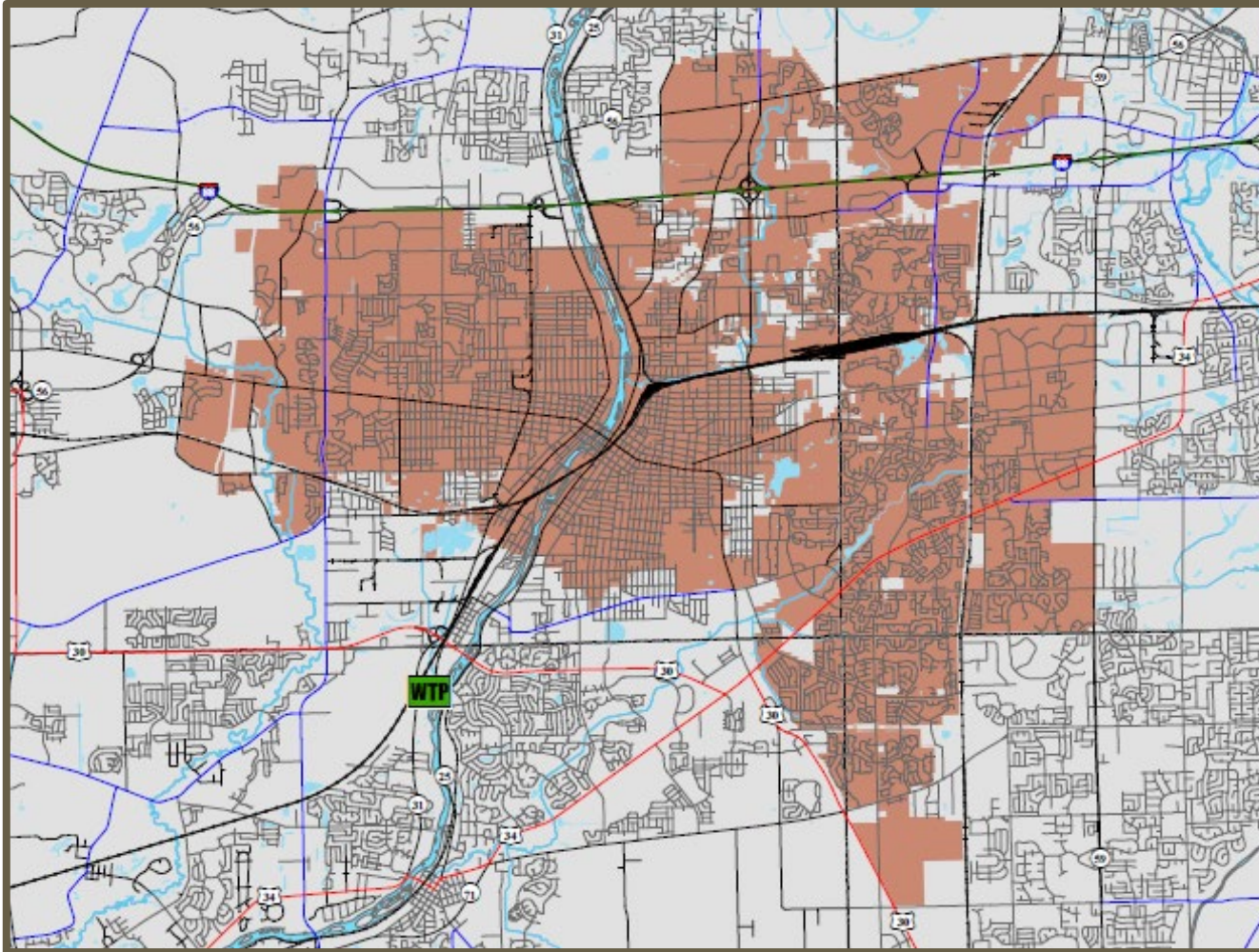
CSO Update

NPDES Permit Nos. IL 0048518 and IL0020818

February 28, 2022

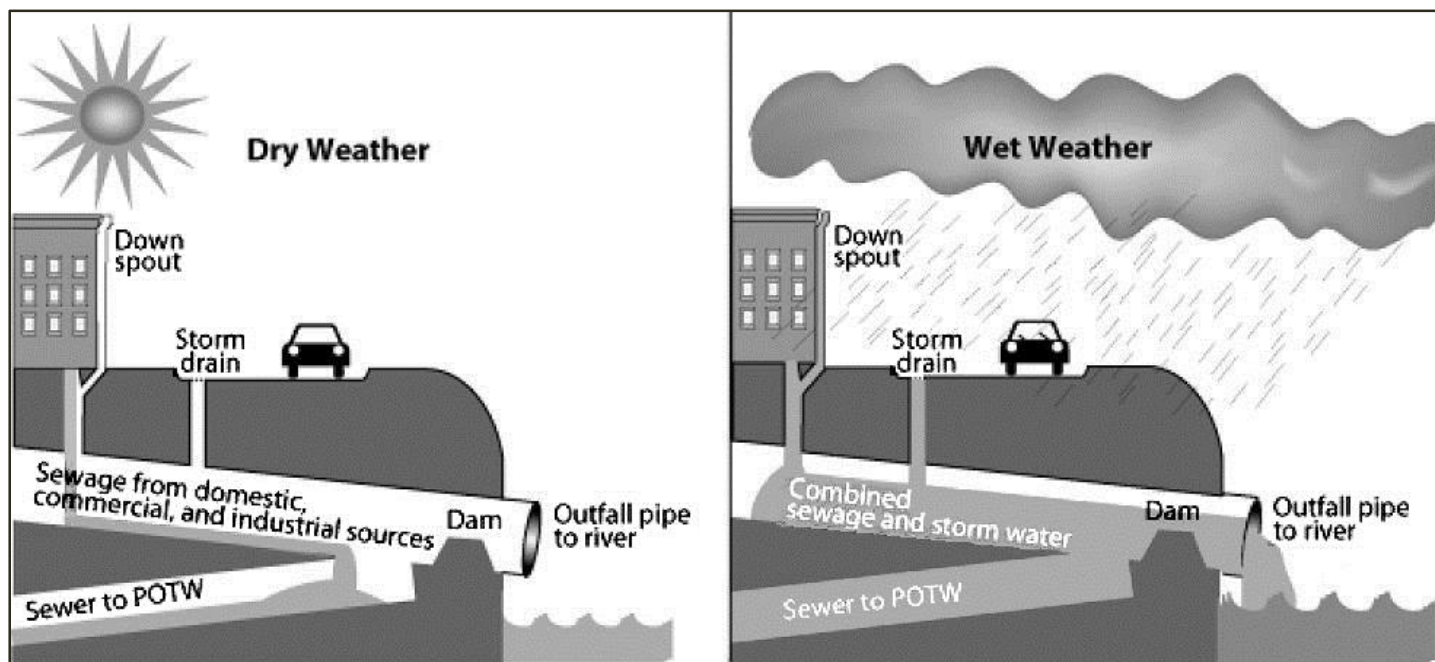


City of Aurora and Fox Metro Location Map



Combined Sewer Overflow FAQs

- **What is a Combined Sewer Overflow?**
- **Are CSOs legal?**
- **Why do they still exist?**



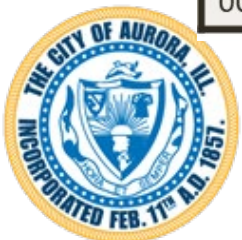
Summary of the CSS

- ±7,145 acres
- 130 miles of combined sewers
- 16 permitted CSOs in the City of Aurora
- 1 permitted CSO at the Fox Metro WWTP
- Served by the Original East and West Bank Interceptor (36"-69")

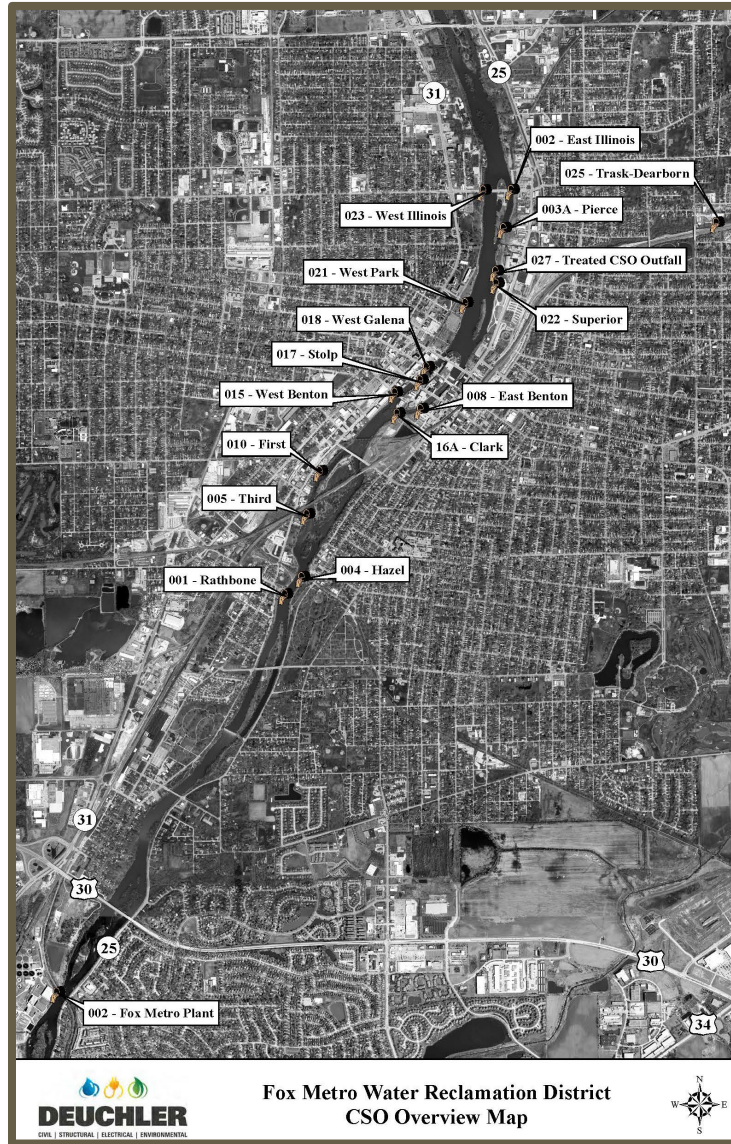


Permitted Discharge Locations

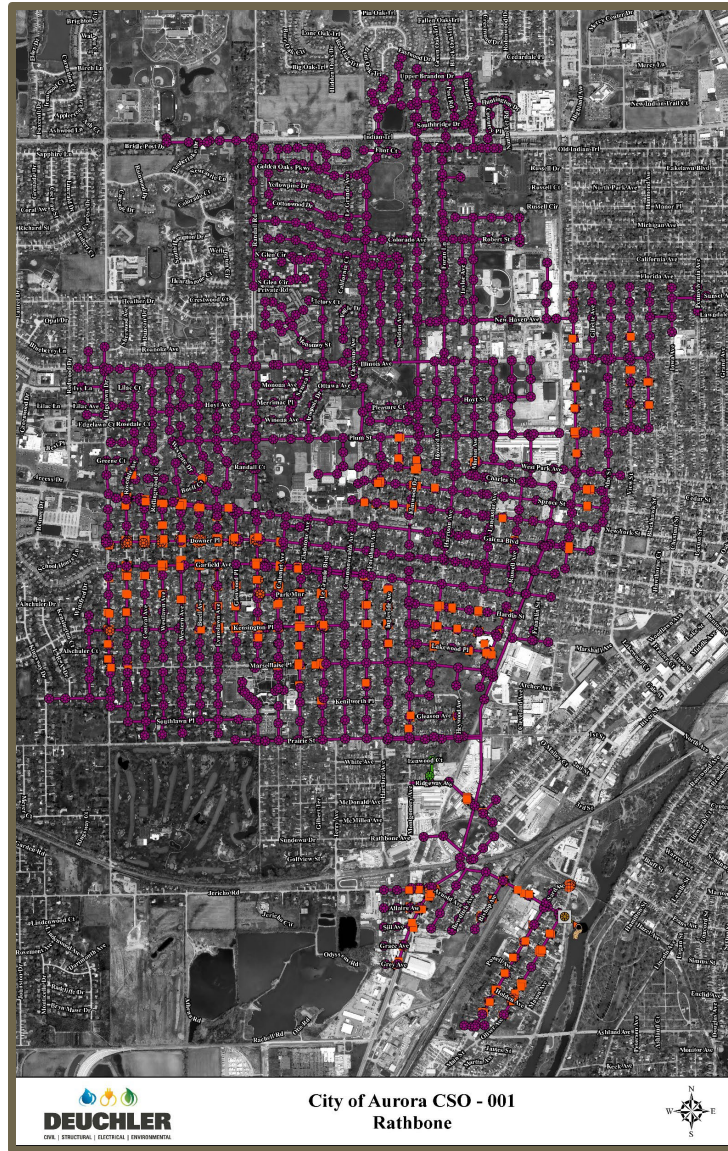
Discharge #	Location	Receiving Water
004	Hazel Ave.	Fox River
001	Rathbone Ave.	Fox River
005	Third St.	Fox River
010	First St.	Fox River
016	Clark St.	Fox River
015	West Benton St.	Fox River
018	West Galena Blvd.	Fox River
021	Elm St.	Fox River
022	Superior St.	Fox River
023	West Illinois Ave.	Fox River
002	East Illinois Ave.	Fox River
017	Stolp Ave.	Fox River
008	East Benton St.	Fox River
003	Pierce St.	Fox River
025	Trask St- Dearborn Ave.	Indian Creek
027	CSO Facility on Broadway	Fox River
002 (FM)	FM WWTP Headworks	Fox River



CSO Overview Map



CSO Tributary Areas



NPDES Permit Requirements

- 1. Public Notification Program**
- 2. Pollution Prevention Plan**
- 3. Operational & Maintenance Plan**



Public Notification

Purpose:

To provide a method to ensure that the general public is adequately informed of the presence and effects of combined sewer overflows.



Public Notification

1. Posting info in public place (Fox Metro) and on website (both entities)

- CSO Information
- CSO Location
- DMRs
 - Dates of each occurrence
 - Duration of each occurrence
 - Rainfall data for each occurrence



Public Notification

City of Aurora CSO DMR Website:

<https://www.aurora-il.org/789/Discharge-Monitoring-Reports>

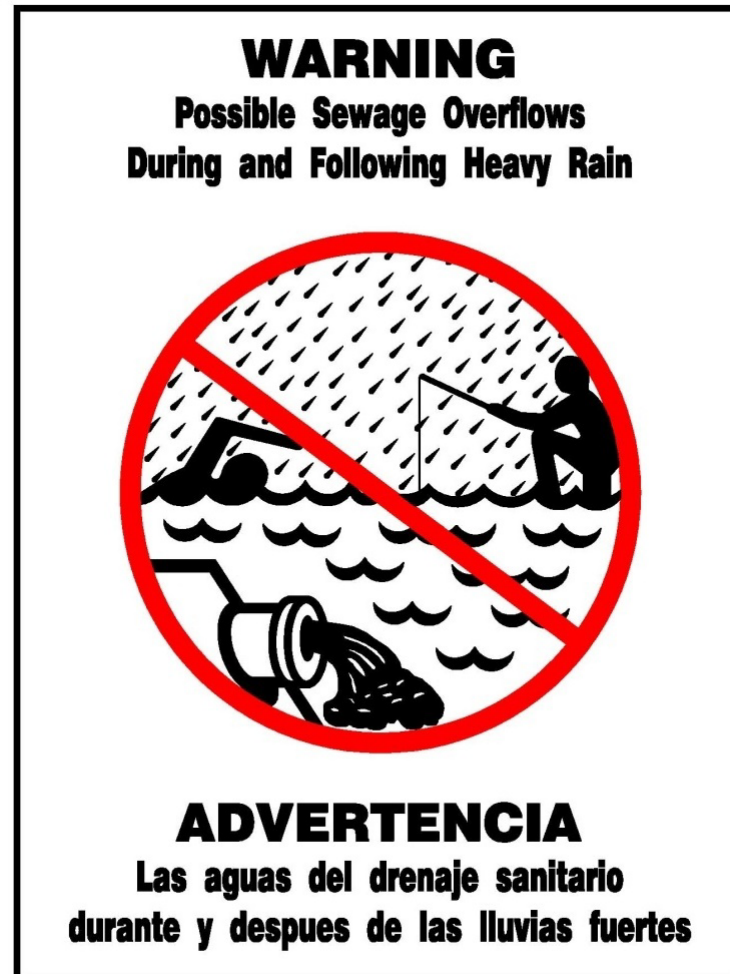
Fox Metro CSO Website:

<http://www.foxmetro.org/about/permit-compliance/cso/>

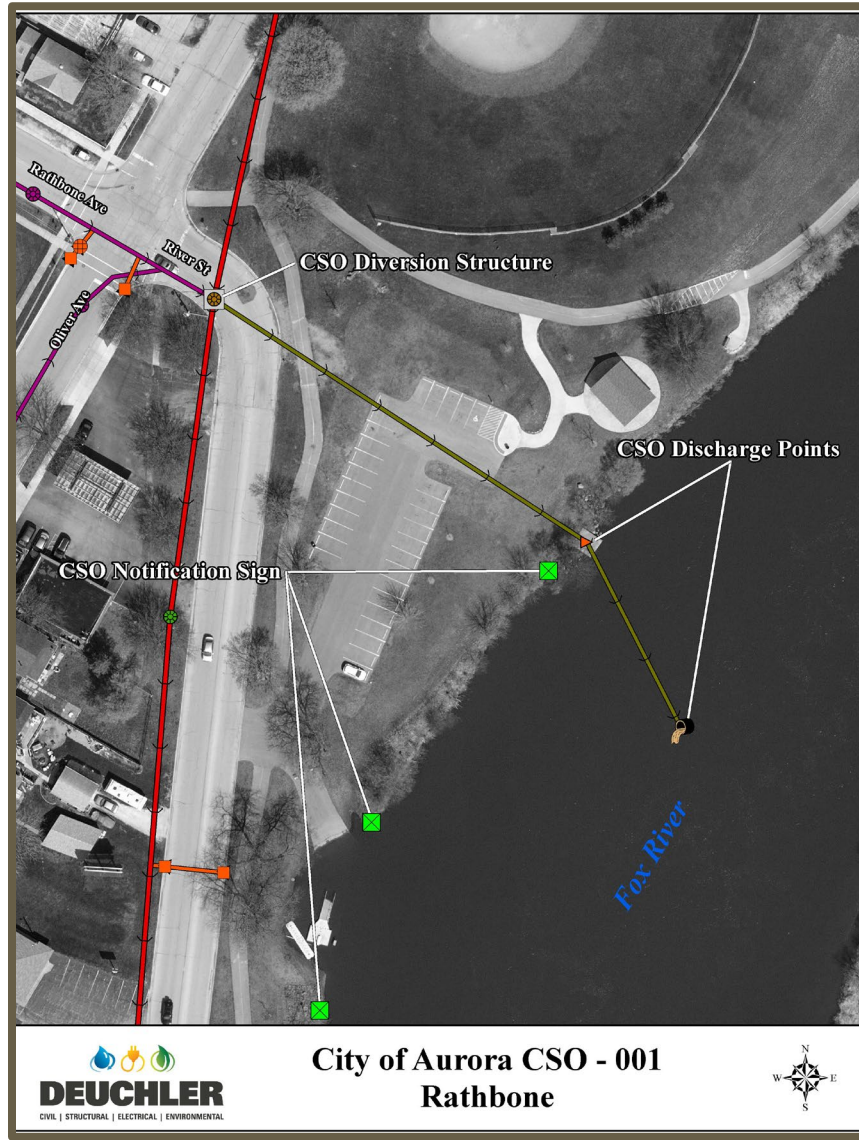


Public Notification

2. Signs Posted at CSO Outfalls



CSO Sign Maps



Pollution Prevention Plan

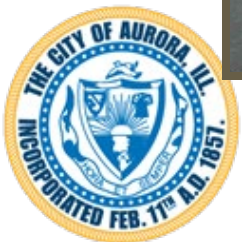
Purpose:

To reduce the amount of contaminants that enter the CSS, to the greatest extent possible



Pollution Prevention Plan

1. Street Sweeping



Pollution Prevention Plan

2. Public Education Programs

Fox Metro SciTech kiosk



Pollution Prevention Plan

2. Public Education Programs

Aurora Greenfest and other local public outreach events



Pollution Prevention Plan

2. Public Education Programs

Fox Metro treatment plant tours and virtual education



Pollution Prevention Plan

2. Public Education Programs

Fox Metro Open House in October 2019



Pollution Prevention Plan

3. Aurora Solid Waste Collection and Recycling

- Curbside household recycling
- Electronics recycling events generally on Saturdays.

<https://www.aurora-il.org/1119/Electronics-Recycling>

Collection dates listed on the City's community calendar, City's facebook page, or call 630-256-4636



Pollution Prevention Plan

3. Solid Waste Collection and Recycling

FMWRD Drug Take Back Program – over 28,000 lbs. of medications from 2009-2022



Pollution Prevention Plan

4. Illegal Dumping/ Refuse Disposal

Kiwanis One-Day Events – April 10, 2022



Pollution Prevention Plan

5. Hazardous Waste Collection

Hazardous Waste recycling/take back – partnership with Naperville and surrounding counties at 156 Fort Hill Dr. in Naperville

<https://www.aurora-il.org/1121/Hazardous-Materials>



Pollution Prevention Plan

6. Water Conservation

Aurora Rain Barrel Program



Pollution Prevention Plan

6. Water Conservation

Fox Metro Effluent Reuse of ~3 mgd



Pollution Prevention Plan

7. Industrial Pollution Prevention

FMWRD Industrial Pretreatment Program



Pollution Prevention Plan

8. Commercial Pollution Prevention

Fats, Oils, and Grease (FOG) Program

- ~800 Food Service Establishments
- Prevent CSOs and SSOs



O&M Plan

Purpose:

To establish operation, maintenance and inspection procedures to reduce the magnitude, frequency and duration of CSOs by enabling existing facilities to perform as effectively as possible.



O&M Plan

1. Preventative Maintenance

Cleaning and Repairs



O&M Plan

1. Preventative Maintenance

- Emergency Response
- Inspections
- Grit Reduction
- Telemetry (SCADA)



O&M Plan

1. Preventative Maintenance

- Smoke Testing
- Sewer Televising
- Manhole Inspections
- Flow Monitoring
- Flow Modeling



O&M Plan

2. Combined Sewer Improvement Projects: Sewer Rehab/Retrofits



O&M Plan

2. Rehab: Fox Metro CIPP Sanitary Sewer Lining

Date	Linear Feet	Construction Cost
2016-2017	11,210	\$1,498,717.00
2017-2018	16,830	\$2,427,887.00
2018-2019	22,729	\$4,133,120.10



O&M Plan

2. Rehab: COA CIPP Sanitary Sewer Lining

Date	Linear Feet	Construction Cost
2016	563	\$52,178
2017	(spot repairs and heavy cleaning)	--
2018	17,831	\$334,369
2019	14,213	\$720,000
2020	18,954	\$837,875
2021	20,960	\$927,210



O&M Plan

2. Combined Sewer Improvement Projects: Outfall Improvements



O&M Plan

3. Continuous Efforts

CSO Treatment Facility



O&M Plan

3. Continuous Efforts

Building T at WWTP – 54 mgd additional treatment



O&M Plan

- **CSO Partnership**
- **Long Term Control Plans**



FMWRD CSO LTCP

Overview

- 20 year financial planning schedule from 2009 to 2029.
- 6 phases
- In conjunction with additional capacity and nutrient compliance
- Total projected capital cost of \$257M+
- Total major expenditures (Phase I and Phase II) through Dec. 2019 = \$130M+

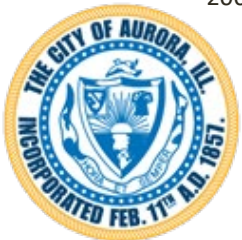
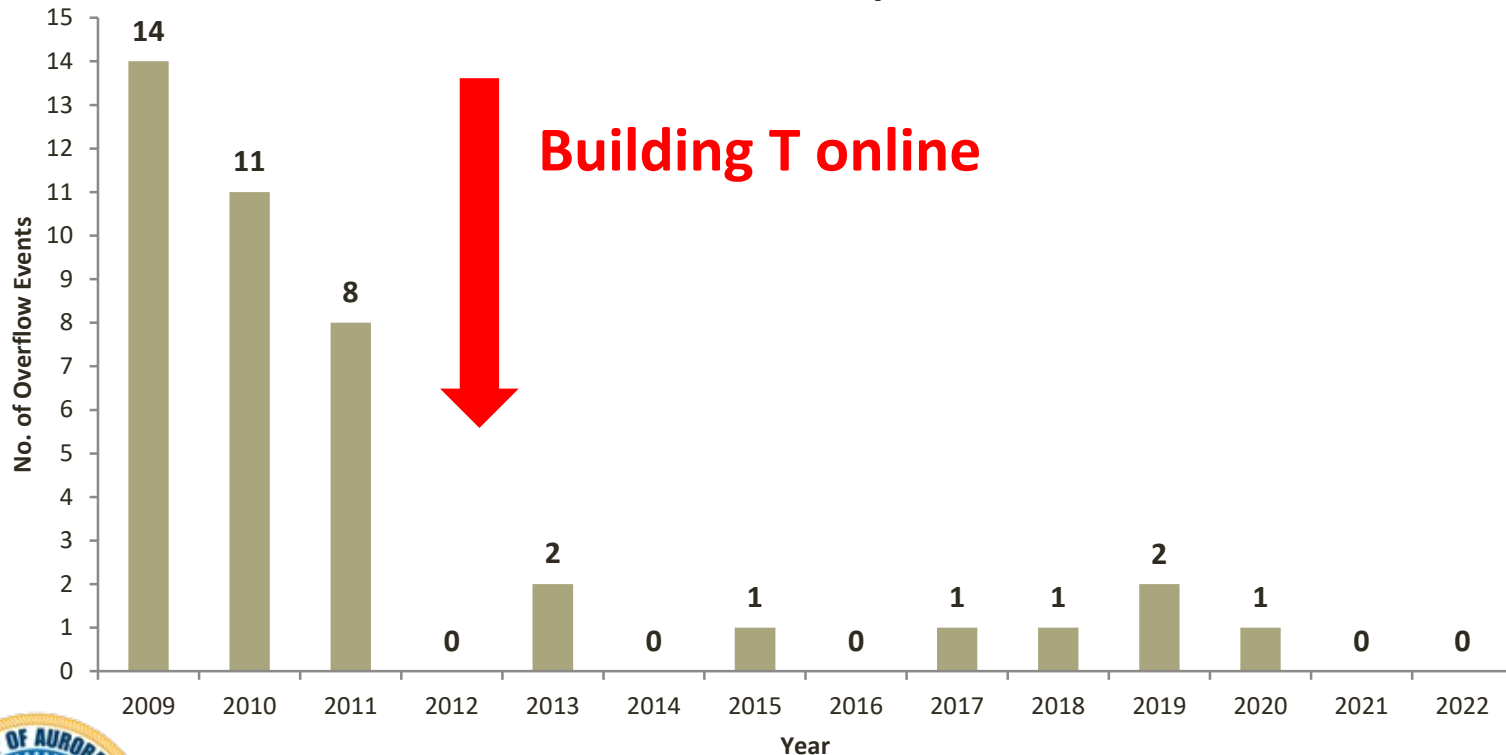


FMWRD CSO LTCP

Compliance Achieved

2021 Valve Replacement reduced further. \$1.2M investment

Annual Overflow Events per Year: 2009-2022



FMWRD CSO LTCP

Compliance Achieved

- <1 overflow event per year since 2012
- Average of 4-6 events allowed per year
- 1 event in 2020
 - May – rainiest May on record for 4th year in a row



Fox Metro CSO LTCP

Phase II Improvement Schedule

	Waubonsie Interceptor	South Facility	North Facility
Construction Cost	\$5,521,327	\$88,609,664	\$3,936,810
Advertise for Bids	June 2015: complete	June 2015: complete	June 2017: complete
Bid Opening	Aug 2015: complete	Aug 2015: complete	Aug 2017: complete
Notice to Proceed	Nov 2015: complete	Nov 2015: complete	Nov 2017: complete
Construction Complete	February 2019	April 2019	December 2019



Fox Metro CSO LTCP

South Plant Improvements



Aurora CSO LTCP

Overview

- 20 year planning schedule from 2010 to 2030
- 4 phases
- Total projected cost of \$120M+
- Total major expenditures through 2021= \$51M+



Aurora Completed Sewer Separation Projects

Year	CSO Basin	Project Name	Project Cost
2009	004	North Avenue Sewer Separation Phase 2	\$ 2,100,000
2009	015	Basin 13 River St Subbasin	\$ 3,494,000
2010	004	South Avenue Storm Sewer	\$ 245,488
2010	008	Spring St Sub Basin, Fulton/Fenton/Smith	\$ 6,842,000
2010	015	Basin 13 Phases 2-3	\$ 2,714,000
2012	001	2012 Storm Sewer Extensions	\$ 140,100
2012	004	2012 Storm Sewer Extensions	\$ 319,800
2013	004	2013 Storm Sewer Extensions	\$ 389,000
2014	004	4th Street Storm Sewer - Marion to Evans	\$ 477,620
2014	022	Northeast Sewer Separation	\$ 2,994,231
2015	001	Charles-Harrison Storm Sewer	\$ 1,113,218
2015	008	New York St & Galena Blvd Sewer Separation	\$ 4,489,000
2015	010	Woodlawn, Prairie, Highland Storm Sewer	\$ 2,393,148
2015	015	Lake Street Sewer Separation	\$ 1,300,000
2016	003A	Illinois & Sheridan Sewer Separation	\$ 865,700
2017	015	W New York & Spruce - Highland to Blackhawk	\$ 776,400
2017	003A	Phoenix Court Storm Sewer Extension	\$ 84,302
2016-18	008	Galena Blvd & Downer Pl Sewer Separation	\$ 9,434,656
2018-19	015	New York-Wilder-Oak Sewer Separation	\$ 945,264
2019	004	Avon, S Lincoln, & Jackson Sewer Separation	\$ 722,344
2019	001	Commonwealth Avenue Sewer Separation	\$ 243,749
2019	001	South River Street Sewer Separation	\$ 187,766
2019	001	Garfield Avenue Sewer Separation	\$ 1,242,476
2020-21	001	W Downer Place Sewer Separation	\$ 2,183,843
2021	004	Jackson St & Benton St Sewer Separation	\$ 399,359
2021	001	Kensington & Marseillaise Sewer Separation	\$ 970,720
2021	001	Plum St Sewer Separation	\$ 208,830
Total to Date =			\$ 47,277,013

Aurora CSO LTCP

Sewer Separation Progress

- 711 storm sewer catch basins separated from the CSO system
- Storm sewer installed draining 772 tributary acres within the combined sewer service area



Aurora CSO LTCP

Green Infrastructure Benefits

- Promotes stormwater infiltration
- Reduced stormwater flow
- Pollutant reduction
- Traffic calming
- Improved safety
- Neighborhood beautification



Aurora CSO LTCP

Green Infrastructure Projects

Year	CSO Basin	Project Name	Project Cost
2010	008	McCarty Park Bio-Infiltration Facility	\$69,510
2012	004	East Side Rain Gardens	\$1,866,670
2015	001	Kensington and Russell Rain Gardens	\$118,800
2012-2021	Various	Infiltration Catch Basins	\$1,638,000
Total to Date =			\$3,692,980



Public Information Meeting

**More questions can be submitted via email
until 5 p.m. March 4, 2022**

City of Aurora

**Submit to John Hoffmann:
hoffmannj@aurora.il.us**

Fox Metro WRD

**Submit to Karen Clementi:
kclementi@foxmetro.org**

