CITY OF OSWEGO WASTEWATER DEPARTMENT
WILLIAM J. BARLOW, JR. MAYOR

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March 24, 2023

City of Oswego CSO Public Notification Annual Report in accordance with the Great Lakes CSO Notification Rule

In accordance with USEPA document entitled "Public Notification Requirements for Combined Sewer Overflows to the Great Lakes Basins", the City of Oswego respectfully publishes this Annual Report for the period of January 1 – December 31, 2022. The Report, which covers CSO's listed under two separate SPDES Permits, **NY0029106 & NY0029114**, addresses the following elements:

1. A description of the location and receiving water for each CSO discharge point, and, if applicable, any treatment provided;
2. The date, location, approximate duration, measured or estimated volume, and cause (*e.g.,* rainfall, snowmelt) of each wet weather CSO discharge that occurred during the past calendar year;
3. The date, location, duration, volume, and cause of each dry weather CSO discharge that occurred during the past calendar year;
4. A summary of available monitoring data for CSO discharges from the past calendar year;
5. A description of any public access areas potentially impacted by each CSO discharge;
6. Representative precipitation data in total inches to the nearest 0.1 inch that resulted in a CSO discharge, if precipitation was the cause of the discharge;
7. Permittee contact information, if not listed elsewhere on the website where this annual notice is provided; and
8. A concise summary of implementation of the nine minimum controls and the status of implementation of the long-term CSO control plan (or other plans to reduce or prevent CSO discharges), including:
    i. A description of key milestones remaining to complete implementation of the plan; and
    ii. A description of the average annual number of CSO discharges anticipated after implementation of the long-term control plan (or other plan relevant to reduction of CSO overflows) is completed.

In summary, during 2022 there were 16 CSO/SSO events reported to the public from three outfalls. Under SPDES Permit No. ***NY0029106*** *Permitted Outfall #002-Excess Flow Management Facility & Unpermitted #004-Sanitary Sewer Overflow discharge to Gardenier Creek.* Under SPDES Permit No. ***NY0029114*** *Permitted Outfall #002-Detention Basin.* There were no CSO events involving ***NY0029106*** Permitted Outfall *#003-Riverwalk.*

1. 5 overflows from Westside Gardiner Creek SSO outfall 004;
2. 6 overflows from Westside EFMF SPDES permitted CSO outfall 002;
3. 5 overflows from Eastside Detention Basin SPDES permitted outfall 002.

The required information for this report is contained in the attached paperwork including **Table 1**, which summarizes dates, locations, durations, volumes, precipitation amounts and whether the event occurred during dry or wet weather, **Table 2,** which summarizes all analytical data from permitted overflows as required by the SPDES permit for CSO outfalls and lastly, pertinent pages from the 2022 CSO/BMP Annual Report.

Please contact me, if there any questions regarding the report.

Sincerely,

Kenneth Scherrieble
Superintendent of Wastewater Treatment

EC: Mayor William J. Barlow Jr.
Dan Ramer, Chief Operator – Eastside WWTP
John McGrath, Chief Operator – Westside WWTP
Kelly Coad, Secretary
Jeff Hinderliter, City Engineer
Donna Archer, Engineering
Timothy Rice, Commissioner of Public Works
Valarie Ellis, P.E. 1, Region 7
Ryan Waldron, P.E., NYSDEC, Albany
Steven Wood, EIT Assistant Engineer

TABLE 1
2022 CSO PUBLIC NOTIFICATION ANNUAL REPORT
SPDES PERMIT NO. NY0029106

NY0029106 CSO #002 is a permitted outfall & receives Primary Treatment & Disinfection. Disinfection is provided June 1 through September 30. CSO Outfall 003 & SSO 004 are untreated.

CSO #002 - EFMF

DATE	LOCATION	DURATION	VOLUME MGD	WEEKLY RAINFALL/ SNOWMELT	CAUSE
2/17/22	EFMF	18 hrs. 43 min.	5.48	0.80"	Wet Weather
2/22/22	EFMF	28 hrs. 38 min.	8.805	0.50"	Wet Weather
7/28/22	EFMF	2 hrs. 13 min.	0.648	1.02"	Wet Weather
9/27/22	EFMF	9 hrs. 22 min.	3.447	2.18"	Wet Weather
9/27/22	EFMF	10 hrs. 21 min.	5.512	1.61"	Wet Weather
11/11/22	EFMF	10 hrs. 21 min.	4.354	3.64"	Wet Weather

Riverwalk CSO #003

2022

No Events

SSO #004

DATE	LOCATION	DURATION	VOLUME MGD	WEEKLY RAINFALL/ SNOWMELT	CAUSE
2/17/22	Main Plant	1 hr.	0.385	0.80"	Wet Weather
2/22/22	Main Plant	1hr. 17 min.	0.353	0.50"	Wet Weather
7/28/22	Main Plant	7 hours	0.892	1.02"	Wet Weather
9/27/22	Main Plant	8 hrs. 30 min.	6.92	2.18"	Wet Weather
11/11/22	Main Plant	45 minutes	0.725	3.64"	Wet Weather

TABLE 1 CONTINUED
2022 CSO PUBLIC NOTIFICATION ANNUAL REPORT
SPDES PERMIT NO. NY0029114

NY0029114 CSO #002 is a permitted outfall & receives Primary Treatment & Disinfection all year.

CSO #002 – Detention Basin

DATE	LOCATION	DURATION	VOLUME MGD	WEEKLY RAINFALL/ SNOWMELT	CAUSE
2/17/22	Main Plant	21 hrs. 8 min.	0.93	0.80"	Wet Weather
2/22/22	Main Plant	18 hrs. 55 min.	1.89	0.50"	Wet Weather
9/27/22	Main Plant	2hrs. 52 min.	0.52	2.18"	Wet Weather
9/27/22	Main Plant	11 hrs. 29 min.	1.48	1.61"	Wet Weather
11/11/22	Main Plant	5 hrs. 48 min.	0.25	3.64"	Wet Weather

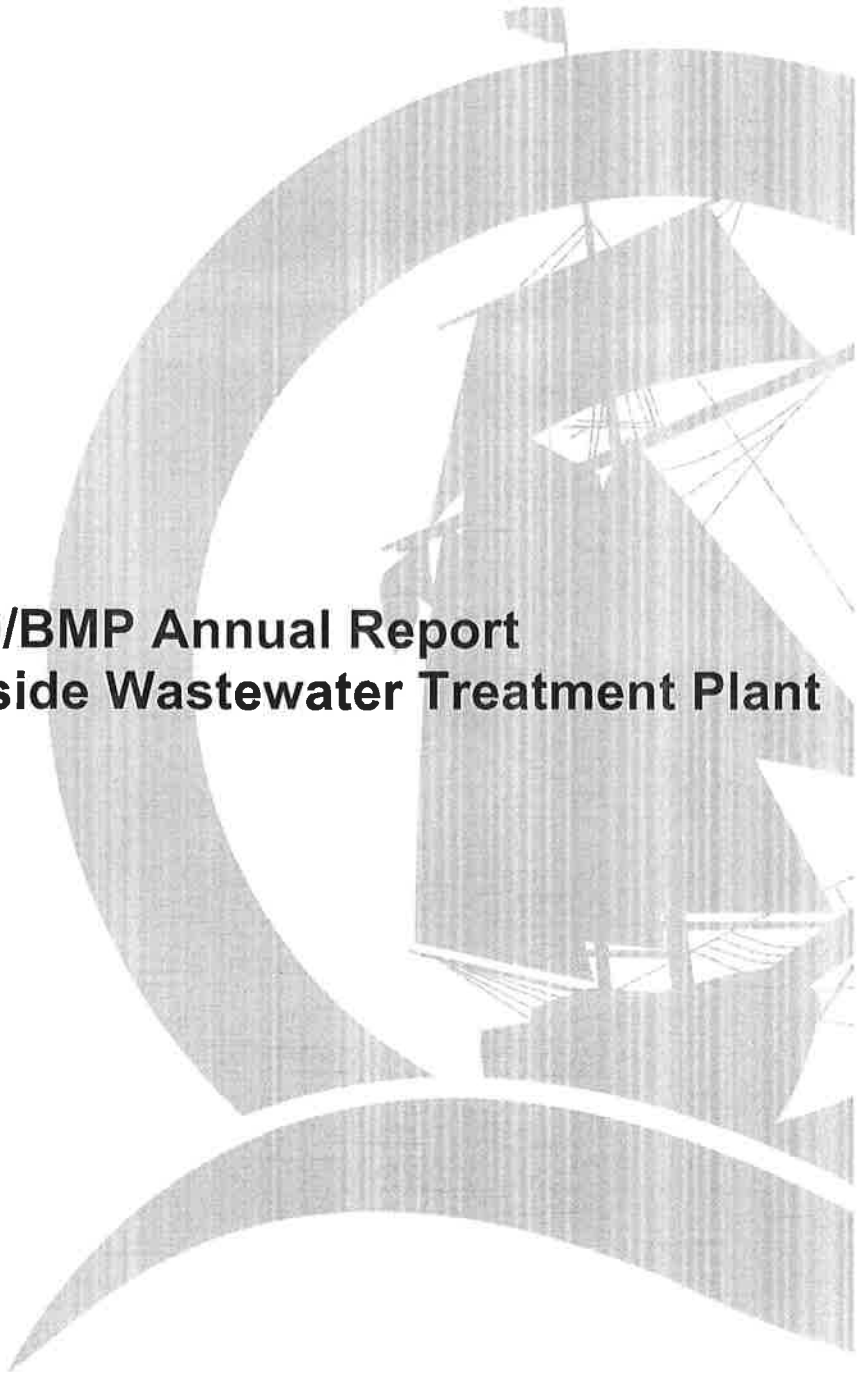
TABLE 2
2022 Westside Excess Flow Management Data Summary (Outfall 002)
NY0029106

Date	Influent TSS mg/l	Influent BOD mg/l	Effluent TSS mg/l	Effluent BOD mg/l	O&G mg/l	Fecal Coliform mpn/100	Entero-Cocci mpn/100	Chlorine Residual mg/l
2/17/22	30	< 30	23	24	< 4	NA	NA	NA
2/22/22	32	32	22.8	13	< 5	NA	NA	NA
7/28/22	66	44	100	25	< 4	2419.6	2419.6	0.28
9/27/22	125	36.1	102	27.0	< 5	2419.6	2419.6	0.00
9/27/22	53	15.1	13.2	27.9	< 5	123.5	177.4	0.01
11/11/22	64	52.1	49	11.5	< 5	1.0	NA	0.03
	Inf. Sett. Solids		**Eff. Sett. Solids**					
2/17/22	1.5 ml/l		0.1					
2/22/22	1.0 ml/l		< 0.1					
7/28/22	5.0 ml/l		0.5 ml/l					
9/27/22	0.4 ml/l		0.3 ml/l					
9/27/22	1.25 ml/l		0.6 ml/l					
11/11/22	0.5 ml/l		< 0.1 ml/l					

2022 Eastside Detention Basin Data Summary (Outfall 002)
NY0029114

Date	Influent TSS mg/l	Influent BOD mg/l	Effluent TSS mg/l	Effluent BOD mg/l	O&G mg/l	Fecal Coliform mpn/100	Cl2 Res. mg/l	D. O. mg/l
2/17/22	150	92	34	39	< 4	77.3	0.00	9.9
2/22/22	44	38.6	20	26.8	< 5	196.6	0.00	10.2
9/27/22	338	126	56	33.2	5.5	35.6	0.01	8.0
9/27/22	84	27.7	26	19.1	< 5	7.7	0.00	9.1
11/11/22	56	22.1	35	22.4	< 5	441.3	0.00	7.9
	Inf. Sett. Solids		**Eff. Sett. Solids**					
2/17/22	13.0 ml/l		< 0.1 ml/l					
2/22/22	1.25 ml/l		< 0.1 ml/l					
9/27/22	10.0 ml/l		0.3 ml/l					
9/27/22	3.5 ml/l		0.2 ml/l					
11/11/22	2.0 ml/l		< 0.1 ml/l					

2022 CSO/BMP Annual Report
City of Oswego Westside Wastewater Treatment Plant



Combined Sewer Overflow (CSO) Annual Report

Alternate Identifier NY0029114 **Submission** HPQ-DMES-A9C5Q **Revision** 1 **Form Version** 1.8

Review

This step allows you to review the form to confirm the form is populated completely and accurately, prior to certification and submission.
Please note: Any work you perform filling out a form will not be accessible by NYSDEC staff or the public until you actually submit the form in the 'Certify & Submit' step.

PERMIT INFORMATION

SPDES Number
NY0029114

DEC Region
7

Permittee Name
City of Oswego

Facility Name
Eastside Wastewater Treatment Facility

Official Name
Mayor William J. Barlow Jr.

Official Title
Mayor

Official's Phone Number
315-342-3777

Official's Email Address
mayor@oswegony.org

CSO Program Manager Name
Daniel R. Ramer

CSO Program Manager Title
Chief Operator Eastside Wastewater Treatment Facility

CSO Program Manager Phone Number
315-342-3777

CSO Program Manager Email
dramer@camdengroupusa.com

PART I - CSO LTCP INFORMATION

GENERAL CSO PROGRAM INFORMATION

Use the following questions to provide current general information on the CSO Program

Number of CSO Outfalls in the permittee owned system
1

Number of CSO Events Occurring in Reporting Year

5

Percentage of Collection System, owned by the permittee, that is combined (%)

27

Approximate length (mi) of combined sewers in permittee-owned system

12.15

Population served by the permittee-owned system

9,000

Number of Publicly-Owned Sewer Systems (POSS) to the permittee-owned system

1

Number of Publicly-Owned Sewer Systems (POSS) to the Combined Sewer System

0

Number of Significant Industrial Users (SIU) connected to the CSS

5

Number of other, non-POSS satellite system connections

0

Long Term Control Plan (LTCP) Information

Was an LTCP Required?

Yes

Year the LTCP was Submitted

2002

What is the LTCP Approval Status?

Approved

What was/is the LTCP selected approach and/or criterion?

Presumptive (85% Capture)

Is the LTCP Implementation completed?

Yes

Provide a brief list of all the recommendations and CSO controls to be implemented under the Long-Term Control Plan. Be sure to identify the year these items were completed and any remaining milestones dates not yet achieved.

All recommendations & CSO controls cited in the Long Term Control Plan have been implemented and were completed prior to 2020. Specific dates are unavailable, at this time. However, the following improvements were designed to meet all of the requirements of the LTCP: 1. Replacement of 1500 LF of 15" gravity sewer with 24" pipe. 2. Upgrade the primary wastewater pump station with larger variable speed pumps & influent grinder, new electrical system with an Emergency Generator. 3. Replacement of sections in the main Interceptor @ the ES WWTP that have hydraulic restrictions. 4. Upgrade current CSO Overflow Retention Facility Outfall #002. 5. Replace the WWTP Influent Bar Screens with mechanical Screens. All milestones completed.

Post Construction Compliance Monitoring (PCCM)

What is the status of the PCCM Plan?

Submitted

What is the status of the PCCM Sampling Program?

Previously Conducted

In what year was the latest PCCM Report submitted to DEC?

2017

Was the selected CSO Policy Approach Criteria achieved?

Yes

Was water quality found to be attained?

Yes

PART II - CSO OUTFALL INFORMATION

Enter information for ALL CSO Outfalls currently listed in the SPDES permit.

The latitude and longitude must be that of the CSO Outfall to the receiving water, not some other appurtenance such as a regulator structure. If Event/Volume information is unknown ent discuss in narrative box after tables.

CSO Outfall Information

Outfall Number	Latitude (Decimal)	Longitude (Decimal)	Receiving Water Name	Receiving Water Class	Number of Regulators Associated	Type of Regulator	Type of Treatment Provided	Number of Overflow Events - BASELINE	Number of Overflow Events - PREVIOUS YEAR	Number of Overflow Events - CURRENT YEAR	Annual CSO Volume (MG) - BASELINE	Annual CSO Volume (MG) - PREVIOUS YEAR	Annual CSO Volume (MG) - CURRENT YEAR
002	43.469	76.501	Lake Ontario	A	1	Fixed Weir	Settling & Disinfection	10	3	5	3.60	2.48	5.07

Closed CSO Outfall Information

Outfall Number	Latitude (Decimal)	Longitude (Decimal)	Receiving Water Name	Receiving Water Class	Approximate Year Outfall Closed	Cause / Reason f
003	43.454	76.508	Oswego iver	B	2006	Physically Remc
004	43.471	76.503	Lake Ontario	A	2003	Sewer Separati
005	43.460	76.511	Oswego River	B	2003	Sewer Separati
006	43.459	76.509	Oswego River	B	2019	Sewer Separati
007	43.460	76.509	Oswego River	B	2003	Sewer Separati

CSO Outfall Explanation

CSO Outfall #002 is the outlet for a Combined Stormwater Treatment Detention Basin.
CSO Outfall closure dates for 003, 004, 005 & 007 are estimated & based upon SPDES Permit #0029114 information and Sewer Separation activities.
CSO Outfall #006 is still open, but inactive due to the expansion of the Pumping Station. It serves as an emergency outlet in case of a catastrophic failure at the Pumping Station.

PART III - COLLECTION SYSTEM INFORMATION

Provide baseline and post-LTCP infomation on the collection system.

Baseline Information

If Baseline information is unknown, please use a best estimate, then characterize/describe in the narrative box below.

Baseline - Percentage (%) of combined sewers in the collection system owned by the permittee

40

Baseline - Approximate length (mi) of combined sewers owned by the permittee

25

Baseline - Number of CSO Outfalls owned by the permittee

6

Baseline - Number of CSO Events

17

Baseline - Annual CSO Volume discharged (MGD)

10

Baseline - Population Served by the CSS

9,000

Baseline - Number of Satellite System Connections

1

Post-LTCP Implementation Information

If an LTCP has not yet been developed, or wasn't required, please input the current year information for each field.

Future - Percentage (%) of combined sewers in the collection system owned by the permittee

8

Future - Approximate length (mi) of combined sewers owned by the permittee

12.15

Future - Number of CSO Outfalls owned by the permittee

1

Future - Number of CSO Events

4

Future - Annual CSO Volume Discharged (MGD)

4.8

Future - Population Served by the CSS

9,000

Future - Number of Satellite System Connections

1

Use the space below to provide any further relevant information on the collection system & to indicate if baseline information is unknown. This should include a description of any unique ownership, operation and maintenance agreements or further explanation and description of POSS/satellite system connections. For POTW's with POSS's, please indicate which municipality owns/operates which infrastructure (Pump Stations, trunk sewers, interceptors, regulators, outfall structures, etc.) as well as who is responsible for reporting CSO events from CSOs within the POSS and who is responsible for reporting SSOs within the POSS.

The baseline information regarding % of combined sewer system and length of combined sewer is an estimate. The Eastside WW Treatment system receives wastewater from 1 POSS, which is owned, operated and maintained by the Town of Scriba,. including pumping stations. There are no CSO's involved with this POSS.

PART IV - CSO CONTROL IMPLEMENTATION INFORMATION

Reporting Year Information

Provide a summary of any significant LTCP or PCCM projects completed within the reporting year and any milestones for the reporting year that were not achieved.

The Detention. Basin (CSO Outfall #002) was modified during 2022 to increase its containment capability. Originally designed for capturing 0.36 MG, the Basin is now capable of holding 0.575 MG, due to an increase in weir height. The previously submitted PCCM (2012) is 95% approved. The remaining item, Lake Ontario In-Lake sampling location is still undecided. Final resolution is still pending.

Upcoming Year Information

Summarize significant LTCP and PCCM projects planned and milestones due for the upcoming year.

The only LTCP project planned for 2023 is completion of the weir height for the Detention Basin involving two channel walls.

PART V - CSO BEST MANAGEMENT PRACTICES (BMPS)

Identify which CSO BMPs your permit requires, then complete each of the corresponding sections that detail your implementation of the required CSO BMPs.

Which CSO BMPs does your SPDES permit require?

1- CSO Maintenance / Inspection
3- Industrial Pretreatment
5- Wet Weather Operating Plan (WWOP)
7- Control of Floatables and Settleable Solids
11- Septage and Hauled Waste
13- Public Notification
9- Combined Sewer / Extension
2- Maximize Use of the Collection System for Storage
4- Maximize Flow to POTW
6- Prohibition of Dry Weather Overflows
8- Combined Sewer System Replacement
10- Connection Prohibitions
12- Control of Runoff
14- Characterization and Monitoring

BMP No. 1 CSO Maintenance Inspection

6 NYCRR 750-2.8(a)(2)
(EPA NMC No. 1: Proper Operation and Regular Maintenance)

Is there a written program for the maintenance and inspection of the CSS and CSOs?

Yes

What is the minimum frequency of dry-weather CSO inspections?

Weekly

Are inspections of CSOs/regulators conducted during or following wet weather events?

Yes

Do the inspection reports indicate visual inspection observations, observed or presumed flows, weather conditions, equipment condition, and any repair work recommended?

Yes

Are the inspection reports submitted to the DEC Regional Office?

Yes, with Monthly Operating Reports

Indicate which of the following additional components are included in the maintenance and inspection program:

Pump Stations
CSO Controls (e.g. regulators, screening/storage/treatment facilities)
CSO Outfalls
Sewer Manholes & Catch Basins
Sewer Pipes & Interceptors

Are there existing inter-municipal agreements which specify responsibilities for inspection, maintenance, and/or repair?

Yes

IMA Listing - Please indicate the community name and year of last IMA update.

Community Name	Year of most recent IMA Update
Town of Scriba	2021
Town of Scriba (Novelis Inc.)	2017
Twn of Scriba (Champ. Commons)	2018

Is the collection system mapped using GIS?

Other

Please Describe

Planned but not begun, at present.

Is the collection system monitored using a SCADA system or other flow monitoring system?

Yes, SCADA

In the past year, was progress made to install, upgrade, or expand monitoring with SCADA/Other system?

Yes

In the upcoming year, is installation, upgrade, or expansion of monitoring with SCADA/Other system planned?

No

Does the municipality have an asset management program that includes the collection system?

Yes, in place

Have any work efforts or problems in the past year resulted in changes in overflows? If yes, describe below in the narrative box.

Yes

In the past year, was the inspection and maintenance program mostly:

Proactive (focusing on preventative maintenance to avoid problems)?

Use the space below to provide a narrative description of the following:

a) Lengths of sewer cleaned and inspected,
b) Number of manholes and catch basins cleaned and inspected,
c) Any repairs or replacements conducted in the CSS,

The CSO maintenance and inspection program is a joint effort between the Wastewater Staff & the City of Oswego DPW. 25% of Sanitary, Storm & combined cleaned each year. This work is conducted by the City of Oswego DPW & is in accordance with their own written Standard Operating Procedures.

A new pump was installed at the East Avenue Pumping Station.

Use the space below to describe any large equipment purchases made in the reporting year or planned for the upcoming year (e.g. vacuum trucks, pumps, etc.) , as well as, any work efforts or problems in the past year that resulted in changes to the collection system maintenance and inspection program, and any noticeable results of the system changes (e.g. fewer events, less CSO volume, a reduction in floatables or other pollutants discharges, visible improvement in water quality of receiving water).

During 2022, a new pump was installed oat the East Avenue Pumping Station. At present, there are no major purchases planned for 2023 and in 2022 there were no problems or significant work conducted on the system.

BMP No. 2 Maximize Use of the Collection System for Storage

6 NYCRR 750-2.7(f), 750-2.8(a)(2), 750-2.8(a)(5)
(EPA NMC No. 2: Maximization of Storage in the Collection System)

In the past year, was the collection system able to convey the required minimum flows to the treatment plant during ALL wet-weather events?

Yes

Has the hydraulic capacity of the collection system been evaluated?

No

Have regulators and weirs ever been adjusted/modified to maximize storage?

Yes

In the past year, or the upcoming year, indicate if any of the following items have been changed or if changes are planned to improve use of the collection system for storage? If so, describe below in the narrative box.

Sewer Cleaning and Sediment Removal
Regulator or Weir Adjustment

Use the space below to provide a narrative description of the changes to structures or procedures that will improve use of the collection system for storage (e.g. tide gate maintenance/repairs/replacement, regulator or weir adjustment, FOG program changes, removal of bottlenecks/flow obstructions, sewer cleaning and sediment removal, in-line storage, etc.).

25% of Sanitary, Storm & combined cleaned each year
A new pump was installed at the East Avenue Pumping Station.

BMP No. 3 Industrial Pretreatment

6 NYCRR 750-2.7(f) and 2.9(a)(4)
(EPA NMC No. 3 & 7: Review and Modification of Pretreatment Requirements & Pollution Prevention Programs to Reduce Contaminants in CSOs)

Is there an approved pretreatment or mini-pretreatment program or acceptance of flow from non-domestic sources?

Yes, IPP or Mini-IPP

Is there an inventory of industrial or non-domestic dischargers?

Yes

Has the impact on CSOs from non-domestic users that discharge toxic pollutants been evaluated, and steps taken to minimize such impacts?

Yes

Does the pretreatment program consider CSOs in the calculation of local limits?

No

Are there any restrictions on industrial user discharges to the collection system during wet-weather events?

Yes

Are there any industrial discharges that could reach CSO outfalls?

No

Do any industrial users have a holding tank or equalization tank to store wastewater prior to discharge to the CSS?

Yes

In the past year or in the upcoming year, have there been or will there be negotiations or changes to agreements with industrial dischargers, which will potentially reduce impacts during CSO events? Describe these changes below in the narrative box.

No

Use the space below to provide a narrative description of industrial discharges to the collection system, any restrictions on industrial discharges during wet-weather events, and any agreements that will potentially reduce impacts during CSO events.

There are 5 SIU's that discharge wastewater into the Eastside collection system. Two of these users are Categorical, Indeck Energy (Steam/Electric)-Intermittent flow and Novelis Inc (Aluminum Forming)-constant discharge. PAS, an EPA remediation site discharges leachate once/month (10-20k gal) during dry weather conditions. The remaining two users haul their waste, Oswego County (leachate) and Sun Environmental (apple processing wastewater). The hauled waste discharges are prohibited during wet-weather conditions.

BMP No. 4 Maximize Flow to POTW

6 NYCRR 750-2.7(f), 2.8(a)(2), and 2.8(a)(5)
(EPA NMC No. 4: Maximization of Flow to the POTW for Treatment)

What is the permit required minimum flow during wet weather events through the headworks (in MGD)?

7.38

What is the permit required minimum flow during wet weather events through primary treatment (in MGD)?

7.38

What is the permit required minimum flow during wet weather events through secondary treatment (in MGD)?

7.38

What is the permit required minimum flow during wet weather events through disinfection (in MGD)?

7.38

In the past year, were the headworks, primary treatment works and disinfection works able to pass the flows specified in the permit for all wet weather flows?

No

In the past year, was the secondary treatment works able to pass the flows specified in the permit for all wet weather flows?

No

If the minimum flows were not achieved for all wet-weather events in the reporting year, has a plan to accomplish this been developed and submitted to the Department?

No

In the past year or in the upcoming year, have there been or will there be any physical modifications to the collection system which have allowed more flow to reach the POTW? If yes, describe below in the narrative box.

Yes

Are there areas of the collection system, including pump stations that need additional study to evaluate capacity, condition, or to determine if illegal connections (i.e. inflow) exist? If yes, list below in the narrative box

No

In the past year, have any new problem areas been identified that restrict flow to the plant? If yes, list the locations below in the narrative box.

No

Use the space below to provide a narrative description of:

a) any physical modifications to the collection system which are completed or anticipated and will allow for more flow to reach the WWTP,
b) any areas of the collection system which need additional study to evaluate capacity or inflow issues,
c) any known problem areas that restrict flow to the WWTP, and
d) any plans to address hydraulic restrictions (e.g. pipe replacement, construction of relief sewer or overflow tanks, pump station improvements, weir adjustment, smoke/dye testing to identify illicit connections).

When the Eastside WWTP was expanded in the 1990's, its designed flow increased to 5.35 mgd, with a peak flow rate of 7.38 mgd. However, both of these increases were based on the two existing influent lines entering the facility, 1 for Domestic and the 2nd, a dedicated line from International Paper Company. When International Paper Company ceased operations in 2002, their line was closed & flow is no longer conveyed through that line. Consequently, the remaining Domestic headworks can only receive approximately 6.5 mgd during wet-weather events. Although no formal design plan has been drafted, there are currently discussions underway on how to attain the 7.38 mgd peak flow rate into the facility.

BMP No. 5 Wet Weather Operating Plan

6 NYCRR 750-2.8(a)
(EPA NMC: None)

Does the plan identify the maximum flows through preliminary, primary, secondary treatment, tertiary, and disinfection units?

Yes

In the past year, did treatment of wet weather flows cause any effluent violations or destabilize treatment upon return to normal service? If yes, describe below in the narrative box.

Yes

If the collection system or plant has been modified or upgraded, has the WWOP been modified to reflect new flow rates or new procedures and the revised plan submitted to the NYSDEC Regional Office?

No, no changes

In the upcoming year, are changes to the WWOP expected? If so, describe below in the narrative box.

No

When was the WWOP last updated?

2017

When was the WWOP last submitted and approved by NYSDEC?

2017

Use the space below to provide a narrative description of any changes to the WWOP during the reporting year or anticipated in the upcoming year.

In 2022, there were two Fecal Coliform exceedances which occurred during wet weather CSO Outfall #002 discharges. The Main Plant Outfall #001 did not experience any wet-weather permit violations. The Wet-Weather Operating Plan has not been updated since 2017 and no changes are anticipated for 2023.

BMP No. 6 Prohibition of Dry Weather Overflows

6 NYCRR 750-2.7 and 2.8(b)(2)
(EPA NMC No. 5: Elimination of CSOs During Dry Weather)

In the past year, were there any dry weather overflows?

No

BMP No. 7 Control of Floatables and Settleable Solids

6 NYCRR 750-2.8(a)(4)
(EPA NMC No. 6: Control of Solid and Floatable Materials in CSOs)

In the past year, did any outfalls discharge floating solids, oil and grease, or solids of sewage origin?

No

Indicate which of the following engineering controls or control measures, if any, have been implemented or will be implemented in the upcoming year?
Source controls (street cleaning, public education, household hazardous waste collection, solid waste collection, recycling, and/or composting of lawn/leaf/roadkill deer)

Use the space below to provide a narrative description of any ongoing issues with control of floatables and settleable solids from CSO outfalls and any existing or planned engineering controls or control measure to be implemented.

There are no ongoing issues with control of floatables and settleable solids from CSO outfall #002 and there are no existing or planned engineering controls or control measure to be implemented. Street Cleaning & composting are ongoing events that are overseen by the City of Oswego DPW. Oswego County sponsors several solid & hazardous waste programs during the year, as well as providing a recycling facility that is open 4 days/week.

BMP No. 8 Combined Sewer System Replacement

6 NYCRR 750-2.10(i)
(EPA NMC: None)

In the past year, were any combined sewers designed or constructed that were not approved by NYSDEC?

No

Are there any plans or current projects to separate combined sewers into sanitary & storm sewers?

No

Were any cross-connections eliminated in the past year or planned for the upcoming year?

No

In the past year, how many miles of combined sewer were separated?

0.00

In the upcoming year, how many miles of combined sewer are scheduled to be separated?

0.00

Use the space below to provide a narrative description of how this BMP was implemented during the reporting year.

None

BMP No. 9 Combined Sewer / Extension

6 NYCRR 750-2.10(i)
(EPA NMC: None)

In the past year, were any combined sewers extended?

No

Is any development planned upstream of a combined sewer in the near future?

No

If a plan contained a flow credit requiring removal of I/I, what was the requirement or ratio?

0:0

Use the space below to provide a narrative description of how this BMP was implemented during the reporting year.

There were no extensions of the combined sewer system and no development upstream of the combined sewer system during 2022 and nothing planned for 2023.

BMP No. 10 Connection Prohibitions

6 NYCRR750-2.9(a)(5)
(EPA NMC: None)

Are new connections prohibited by NYSDEC?

No

In the upcoming year, is any work planned to either increase capacity or reduce hydraulic loading to the WWTP? If so, describe below in the narrative box.

No

BMP No. 11 Septage and Hauled Waste

6 NYCRR750-2.7(f) and 2.8(a)(1)
(EPA NMC: None)

Does the POTW accept septage or hauled waste?

Yes

In the past year, were there any discharges or releases of septage or hauled waste INTO the collection system upstream of a CSO?

No

Are there restrictions on when the POTW accepts hauled waste or septage?

Yes

Is there a dedicated location to discharge septage at the WWTP?

Yes

Does the facility have authorization from NYSDEC to accept hauled waste or septage at a location other than the WWTP?

Yes

Are any of these locations upstream of a CSO outfall?

No

Have there been, or will there be, any changes to the POTW's policy on septage and hauled waste?

No

Use the space below to provide a narrative description of how septage and hauled waste are received by the POTW, where remote acceptance locations are, any POTW restrictions on when these wastes can be received, and the total volume of these wastes received at remote locations during the reporting year.

Hauled waste is received at Eastside WWTP within an approved area provided with containment. Waste is discharged to the sanitary sewer through a 4" line fitted with a cap-lock system. The total gallons of hauled waste received during 2022 was 8,606,500 gallons. Waste Hauling into the Eastside WWTP is limited to Oswego County (Leachate) and Sun Environmental (apple processing wastewater).

BMP No. 12 Control of Runoff

6 NYCRR750- 2.1(e)
(EPA NMC: None)

Is sediment in runoff from construction zones entering catch basins in the combined sewer system?

No

Are impacts of run-off, from development and re-development in areas served by combined sewers, reduced by requiring compliance with the New York Standards for Erosion and Sediment Control and the quantity control requirements included in the New York State Stormwater Management Design Manual?

Yes

Is there adequate communication between the local municipal department that enforces local stormwater codes and ordinances and the collection system staff regarding stormwater runoff?

Yes

Do the municipalities within the combined sewer system have adequate storm water pollution prevention programs to reduce pollutants in stormwater?

Yes

Are any changes needed in the implementation of this BMP to reduce the number of CSO events, the volume discharged, or pollutants in the discharge? If yes, describe below in the narrative box.

No

Use the space below to provide a narrative description of how this BMP was implemented during the reporting year and any planned changes for the upcoming year.

All construction projects ensuing within the City of Oswego with potential impact on stormwater catch basins are approved through the City of Oswego Engineer's office. All State required protocols are followed. The City of Oswego Wastewater Department has an approved SWPPP in place and active.

BMP No. 13 Public Notification

6 NYCRR 750-1.12
(EPA NMC No. 8: Public Notification)

In accordance with the Discharge Notification Act Requirements of the SPDES permit, outfall identification signs must be installed and maintained at all permitted CSO outfalls. Are these signs installed and maintained at all permitted CSO outfalls?

Yes

Are all CSO events in accordance with the SPDES permit reported via NY-Alert?

Yes

In accordance with the Sewage Pollution Right to Know Law, as detailed in 6 NYCRR Part 750-2.7, all CSO discharge events must be reported via the NY-Alert electronic notification system.

CSO events not in accordance with the SPDES permit conditions should be reported as a bypass via NY-Alert. When these events occur, are they being reported via NY-Alert?

Yes

Beyond the use of NY-Alert, does the POTW maintain any other public notification systems (e.g. websites, social media, email systems, public media broadcasts) to alert potential users of receiving waters affected by CSOs?

Yes

For all CSOs to receiving waters that are Class B or higher, a written public notification program (PNP) is required to be developed, implemented, and publicly available to inform citizens of the location and occurrence of CSO events. Is there a written PNP?

Yes

For all CSO communities within the Great Lakes Basin, a written PNP is required. Is your community within the Great Lakes Basin?

Yes

For Great Lakes Basin communities, when was the PNP last updated?

2022

Use the space below to provide a narrative description of how any updates to CSO outfall signs and PNPs, as well as a summary of any other public notification systems (beyond NY-Alert) used to alert the public of CSO events.

The two CSO Outfall signs are checked regularly during the year. Thus far, they continue to be in excellent condition and not needing any repair or replacement. The City of Oswego maintains a website, which includes notification to the public, when necessary.

BMP No. 14 Characterization and Monitoring

(6 NYCRR 750-1.11(a), 2.5(a) and 2.7(g))
(EPA NMC No. 9: Monitoring to Characterize CSO Impacts and the Efficacy of CSO Controls)

Has the combined sewer system been modeled for use in determining or estimating the frequency of overflows and identifying CSO impacts?

Yes

Was baseline sampling conducted as part of LTCP development?

Yes

Was any Post Construction Compliance Monitoring (PCCM) sampling conducted in the reporting year or planned for the upcoming year?

No

In what years does the SPDES permit, Order on Consent, or other enforcement mechanism require PCCM sampling to be conducted?

No requirement.

CSO discharge monitoring methods should be specified for each CSO outfall in Part II of this Annual Report. For all CSO outfalls that are not metered, explain how overflow volumes are either modeled or estimated to collect sufficient data and document permit compliance and the success of CSO BMP implementation. In addition, please provide a brief summary of the findings from the most recently submitted PCCM Report (including compliance with the selected CSO Policy Approach criteria and attainment of water quality standards).

CSO Outfall #002 is equipped with flow monitoring and is monitored for all required parameters during wet-weather discharges to Lake Ontario.

OWNER/OPERATOR CERTIFICATION

The owner/operator must download, sign, and upload the certification form in order to complete this application.

Owner/Operator Certification Form Download

Download the certification form by clicking the link below. Complete, sign, scan, and upload the form.

Owner/Operator Certification Form (PDF)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Water
625 Broadway, Albany, New York 12233-3500
P: (518) 402-8233 | F: (518) 402-9029
www.dec.ny.gov

NYSDEC State Pollution Discharge Elimination System (SPDES) Combined Sewer Overflow Best Management Practices Annual Report

OWNER/OPERATOR CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

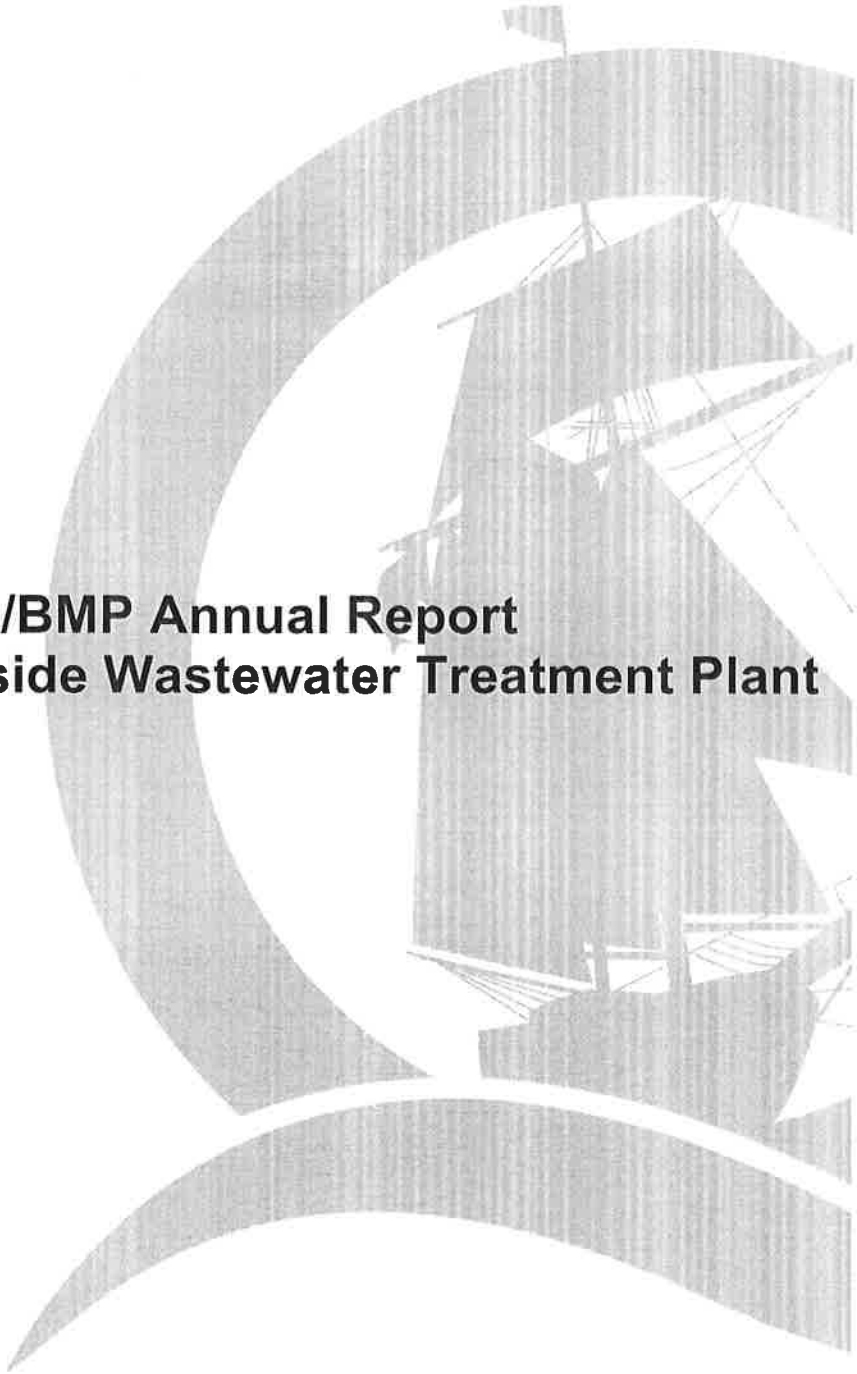
William J. Barlow Jr., Mayor
Name (please print or type)

Signature

1/3/2022
Date

The City of Oswego

2022 CSO/BMP Annual Report
City of Oswego Westside Wastewater Treatment Plant



Combined Sewer Overflow (CSO) Annual Report

Alternate Identifier NY0029106 **Submission** HPQ-C6NG-Y5JHM **Revision** 1 **Form Version** 1.8

Review

This step allows you to review the form to confirm the form is populated completely and accurately, prior to certification and submission.
Please note: Any work you perform filling out a form will not be accessible by NYSDEC staff or the public until you actually submit the form in the 'Certify & Submit' step.

PERMIT INFORMATION

SPDES Number
NY0029106

DEC Region
7

Permittee Name
City of Oswego

Facility Name
Westside Wastewater Treatment Facility

Official Name
William J. Barlow, Jr.

Official Title
Mayor

Official's Phone Number
315-342-3777

Official's Email Address
mayor@oswegony.org

CSO Program Manager Name
John W. McGrath

CSO Program Manager Title
Chief Operator - Westside WWTP

CSO Program Manager Phone Number
315-342-8173

CSO Program Manager Email
labmanager@oswegony.org

PART I - CSO LTCP INFORMATION

GENERAL CSO PROGRAM INFORMATION

Use the following questions to provide current general information on the CSO Program

Number of CSO Outfalls in the permittee owned system
2

Number of CSO Events Occurring In Reporting Year

6

Percentage of Collection System, owned by the permittee, that is combined (%)

8

Approximate length (mi) of combined sewers in permittee-owned system

4

Population served by the permittee-owned system

16,350

Number of Publicly-Owned Sewer Systems (POSS) to the permittee-owned system

2

Number of Publicly-Owned Sewer Systems (POSS) to the Combined Sewer System

0

Number of Significant Industrial Users (SIU) connected to the CSS

0

Number of other, non-POSS satellite system connections

0

Long Term Control Plan (LTCP) Information

Was an LTCP Required?

Yes

Year the LTCP was Submitted

2003

What is the LTCP Approval Status?

Other

Please Describe

The LTCP submission was not formally approved. CSO abatement was specified in EPA/NYSDEC Consent Decree 5:10-cv-00554-NPM-DEP & subsequent Consent Order Case No. R7-20180821-38.

What was/is the LTCP selected approach and/or criterion?

Demonstrative

Is the LTCP Implementation completed?

Yes

Provide a brief list of all the recommendations and CSO controls to be implemented under the Long-Term Control Plan. Be sure to identify the year these items were completed and any remaining milestones dates not yet achieved.

Enforceable Agreement with SUNY Oswego to minimize I&I-2010;OPeration of new floow monitoring devices-2010;Water Quality Baseline Memo-2011;Pump Station Eval-2011;Enterprise Fund for Sewer Use Fees-2012;Excess Flow Facility (EFMF) Optimization Report-2011;WWTP O&M Program-2013;WWTP Expansion-2014;SSES Report Correction Actions-2014;Pump Station Upgrade-2014;EFMF Optim-2014;Phase 1 Sewer Separation(25%)-2014;Phase 2 Sewer Separation (25%)-2017;Phase 3 Sewer Separation (25%)-2020;

Post Construction Compliance Monitoring (PCCM)

What is the status of the PCCM Plan?

Submitted

What is the status of the PCCM Sampling Program?

Previously Conducted

In what year was the latest PCCM Report submitted to DEC?

2022

Was the selected CSO Policy Approach Criteria achieved?

Yes

Was water quality found to be attained?

Yes

PART II - CSO OUTFALL INFORMATION

Enter information for ALL CSO Outfalls currently listed in the SPDES permit.

The latitude and longitude must be that of the CSO Outfall to the receiving water, not some other appurtenance such as a regulator structure. If Event/Volume information is unknown ent narrative box after tables.

CSO Outfall Information

Outfall Number	Latitude (Decimal)	Longitude (Decimal)	Receiving Water Name	Receiving Water Class	Number of Regulators Associated	Type of Regulator	Type of Treatment Provided	Number of Overflow Events - BASELINE	Number of Overflow Events - PREVIOUS YEAR	Number of Overflow Events - CURRENT YEAR	Annual CSO Volume (MG) - BASELINE	Annual CSO Volume (MG) - PREVIOUS YEAR
002	43.461	76.512	Oswego River	B	1	Other **Please Describe** Holding Tank/Effluenbt Weir	Settling & Disinfection	32	6	6	44.6	9.38
003	43.458	76.510	Oswego River	B	1	Elevated Pipe	None	0	0	0	0	0

Closed CSO Outfall Information

Outfall Number	Latitude (Decimal)	Longitude (Decimal)	Receiving Water Name	Receiving Water Class	Approximate Year Outfall Closed	Cause

CSO Outfall Explanation

CSO Outfall #003 consists of a chamber with an elevated pipe. The purpose of this unit is to provide for backup in the event that the line to the Excess Flow Management Facility (Outfall #002) becomes surcharged. The last event experiencing discharge was in 2017, prior to the completion of Phase 3 of Sewer Separation. This unit includes a flow monitoring device and is checked monthly by Wastewater Staff personnel.

PART III - COLLECTION SYSTEM INFORMATION

Provide baseline and post-LTCP infomation on the collection system.

Baseline Information

If Baseline information is unknown, please use a best estimate, then characterize/describe in the narrative box below.

Baseline - Percentage (%) of combined sewers in the collection system owned by the permittee

33

Baseline - Approximate length (mi) of combined sewers owned by the permittee

15

Baseline - Number of CSO Outfalls owned by the permittee

15

Baseline - Number of CSO Events

32

Baseline - Annual CSO Volume discharged (MGD)

44.6

Baseline - Population Served by the CSS

16,350

Baseline - Number of Satellite System Connections

2

Post-LTCP Implementation Information

If an LTCP has not yet been developed, or wasn't required, please input the current year information for each field.

Future - Percentage (%) of combined sewers in the collection system owned by the permittee

8

Future - Approximate length (mi) of combined sewers owned by the permittee

4

Future - Number of CSO Outfalls owned by the permittee

2

Future - Number of CSO Events

4

Future - Annual CSO Volume Discharged (MGD)

5.0

Future - Population Served by the CSS

16,350

Future - Number of Satellite System Connections

0

Use the space below to provide any further relevant information on the collection system & to indicate if baseline information is unknown. This should include a description of any unique ownership, operation and maintenance agreements or further explanation and description of POSS/satellite system connections. For POTW's with POSS's, please indicate which municipality owns/operates which infrastructure (Pump Stations, trunk sewers, interceptors, regulators, outfall structures, etc.) as well as who is responsible for reporting CSO events from CSOs within the POSS and who is responsible for reporting SSOs within the POSS.

Baseline # of CSO Outfalls was the approximate number in place when the Westside WWTP was under construction in the 1970's. This number was drastically reduced by an interceptor sewer constructed during that period reducing the number to 2 in the early 80's.
The City of Oswego (CO) owns and operates the Combined Sanitary Collection System and relies upon the CO Wastewater Department and the Department of Public Works for maintaining the infrastructure of all its parts. The two satellite contributors (Town of Oswego (Ontario Heights) and SUNY College at Oswego) own, operate & maintain its collection systems prior to discharge into the City of Oswego Collection System.
The WWTP' Chief Operator is responsible for reporting requirements.

PART IV - CSO CONTROL IMPLEMENTATION INFORMATION

Reporting Year Information

Provide a summary of any significant LTCP or PCCM projects completed within the reporting year and any milestones for the reporting year that were not achieved.

In December 2022 the Westside WWTP PCCM was completed. All milestones were completed during the year

Upcoming Year Information

Summarize significant LTCP and PCCM projects planned and milestones due for the upcoming year.

There are no planned projects or milestones planned for the upcoming year, at present.

PART V - CSO BEST MANAGEMENT PRACTICES (BMPS)

Identify which CSO BMPs your permit requires, then complete each of the corresponding sections that detail your implementation of the required CSO BMPs.

Which CSO BMPs does your SPDES permit require?

1- CSO Maintenance / Inspection
3- Industrial Pretreatment
5- Wet Weather Operating Plan (WWOP)
7- Control of Floatables and Settleable Solids
9- Combined Sewer / Extension
11- Septage and Hauled Waste
13- Public Notification
14- Characterization and Monitoring
12- Control of Runoff
10- Connection Prohibitions
8- Combined Sewer System Replacement
6- Prohibition of Dry Weather Overflows
4- Maximize Flow to POTW
2- Maximize Use of the Collection System for Storage

BMP No. 1 CSO Maintenance Inspection

6 NYCRR 750-2.8(a)(2)
(EPA NMC No. 1: Proper Operation and Regular Maintenance)

Is there a written program for the maintenance and inspection of the CSS and CSOs?

Yes

What is the minimum frequency of dry-weather CSO inspections?

Other

Please Describe

WWTP Staff & CO DPW conduct separate inspections on their own schedules.

Are inspections of CSOs/regulators conducted during or following wet weather events?

Yes

Do the inspection reports indicate visual inspection observations, observed or presumed flows, weather conditions, equipment condition, and any repair work recommended?

Yes

Are the inspection reports submitted to the DEC Regional Office?

Yes, with Monthly Operating Reports

Indicate which of the following additional components are included in the maintenance and inspection program:

Pump Stations
CSO Controls (e.g. regulators, screening/storage/treatment facilities)
CSO Outfalls
Sewer Manholes & Catch Basins
Sewer Pipes & Interceptors

Are there existing inter-municipal agreements which specify responsibilities for inspection, maintenance, and/or repair?

Yes

IMA Listing - Please indicate the community name and year of last IMA update.

Community Name	Year of most recent IMA Update
SUNY Collegee at Oswego	2016
Oswego Town (Ontario Heights)	2022
Minetto Pond Meadows #1	2022
Minetto Pond Meadows #2	2001

Is the collection system mapped using GIS?

No, GIS mapping is planned in the next 5 years

Is the collection system monitored using a SCADA system or other flow monitoring system?

Yes, SCADA

In the past year, was progress made to install, upgrade, or expand monitoring with SCADA/Other system?

No

In the upcoming year, is installation, upgrade, or expansion of monitoring with SCADA/Other system planned?

Yes

Does the municipality have an asset management program that includes the collection system?

Yes, in place

Have any work efforts or problems in the past year resulted in changes in overflows? If yes, describe below in the narrative box.

No

In the past year, was the inspection and maintenance program mostly:

Proactive (focusing on preventative maintenance to avoid problems)?

Use the space below to provide a narrative description of the following:

a) Lengths of sewer cleaned and inspected,
b) Number of manholes and catch basins cleaned and inspected,
c) Any repairs or replacements conducted in the CSS,

The City Of Oswego Department of Public Works maintains the inspection of the CSO system. 25% of Sanitary, Storm & combined cleaned each year
Repair & replacement work was conducted at the Burden Drive Pump Station.

Use the space below to describe any large equipment purchases made in the reporting year or planned for the upcoming year (e.g. vacuum trucks, pumps, etc.) , as well as, any work efforts or problems in the past year that resulted in changes to the collection system maintenance and inspection program, and any noticeable results of the system changes (e.g. fewer events, less CSO volume, a reduction in floatables or other pollutants discharges, visible improvement in water quality of receiving water).

2022 - Portable backup generator for pump stations;
2023 - None; No changes in work efforts; No reduction in CSO Volume

BMP No. 2 Maximize Use of the Collection System for Storage

6 NYCRR 750-2.7(f), 750-2.8(a)(2), 750-2.8(a)(5)
(EPA NMC No. 2: Maximization of Storage in the Collection System)

In the past year, was the collection system able to convey the required minimum flows to the treatment plant during ALL wet-weather events?

Yes

Has the hydraulic capacity of the collection system been evaluated?

No

Have regulators and weirs ever been adjusted/modified to maximize storage?

Yes

In the past year, or the upcoming year, indicate if any of the following items have been changed or if changes are planned to improve use of the collection system for storage? If so, describe below in the narrative box.

Removal of System Bottlenecks
Sewer Cleaning and Sediment Removal
Regulator or Weir Adjustment
In-Line Storage

Use the space below to provide a narrative description of the changes to structures or procedures that will improve use of the collection system for storage (e.g. tide gate maintenance/repairs/replacement, regulator or weir adjustment, FOG program changes, removal of bottlenecks/flow obstructions, sewer cleaning and sediment removal, in-line storage, etc.).

At present, there are no changes planned for improved use of the collection system. However, discussions have begun on addressing a section of the Sanitary System that is being impacted during severe wet-weather events.

BMP No. 3 Industrial Pretreatment

6 NYCRR 750-2.7(f) and 2.9(a)(4)
(EPA NMC No. 3 & 7: Review and Modification of Pretreatment Requirements & Pollution Prevention Programs to Reduce Contaminants in CSOs)

Is there an approved pretreatment or mini-pretreatment program or acceptance of flow from non-domestic sources?

Yes, IPP or Mini-IPP

Is there an inventory of industrial or non-domestic dischargers?

Yes

Has the impact on CSOs from non-domestic users that discharge toxic pollutants been evaluated, and steps taken to minimize such impacts?

No

Does the pretreatment program consider CSOs in the calculation of local limits?

No

Are there any restrictions on industrial user discharges to the collection system during wet-weather events?

Yes

Are there any industrial discharges that could reach CSO outfalls?

No

Do any industrial users have a holding tank or equalization tank to store wastewater prior to discharge to the CSS?

Yes

In the past year or in the upcoming year, have there been or will there be negotiations or changes to agreements with industrial dischargers, which will potentially reduce impacts during CSO events? Describe these changes below in the narrative box.

No

Use the space below to provide a narrative description of industrial discharges to the collection system, any restrictions on industrial discharges during wet-weather events, and any agreements that will potentially reduce impacts during CSO events.

There are four significant industrial users, which discharge into the Westside Collection System: SUNY College at Oswego, the City of Oswego Water Department (Filter backwash water), Oswego County (trucked-in Leachate) & Sun Environmental (trucked-in apple processing waste). Prior to hauling, Oswego County contains its leachate in two 1 MG tanks. Both of these haulers are prohibited from discharging wastewater during wet-weather events, which are likely to result in SSO or CSO discharges. As part of the Wastewater Department's Wet Weather Operating Plan, both users are notified by phone to inform them of discharge prohibition and time of resuming normal discharges. Wet-weather discharges also apply to the CO Water Treatment Plant.

BMP No. 4 Maximize Flow to POTW

6 NYCRR 750-2.7(f), 2.8(a)(2), and 2.8(a)(5)
(EPA NMC No. 4: Maximization of Flow to the POTW for Treatment)

What is the permit required minimum flow during wet weather events through the headworks (in MGD)?

12.00

What is the permit required minimum flow during wet weather events through primary treatment (in MGD)?

12.00

What is the permit required minimum flow during wet weather events through secondary treatment (in MGD)?

12.00

What is the permit required minimum flow during wet weather events through disinfection (in MGD)?

12.00

In the past year, were the headworks, primary treatment works and disinfection works able to pass the flows specified in the permit for all wet weather flows?

Yes

In the past year, was the secondary treatment works able to pass the flows specified in the permit for all wet weather flows?

Yes

In the past year or in the upcoming year, have there been or will there be any physical modifications to the collection system which have allowed more flow to reach the POTW? If yes, describe below in the narrative box.

No

Are there areas of the collection system, including pump stations that need additional study to evaluate capacity, condition, or to determine if illegal connections (i.e. inflow) exist? If yes, list below in the narrative box

No

In the past year, have any new problem areas been identified that restrict flow to the plant? If yes, list the locations below in the narrative box.

No

Use the space below to provide a narrative description of:

a) any physical modifications to the collection system which are completed or anticipated and will allow for more flow to reach the WWTP,
b) any areas of the collection system which need additional study to evaluate capacity or inflow issues,
c) any known problem areas that restrict flow to the WWTP, and
d) any plans to address hydraulic restrictions (e.g. pipe replacement, construction of relief sewer or overflow tanks, pump station improvements, weir adjustment, smoke/dye testing to identify illicit connections).

As mentioned previously, there is present investigation of a small section of the Sanitary System that is affected with additional flow during significant wet-weather events. Additional studies and/or modifications to the system will be determined upon completion of the initial investigation.

BMP No. 5 Wet Weather Operating Plan

6 NYCRR 750-2.8(a)
(EPA NMC: None)

Does the plan identify the maximum flows through preliminary, primary, secondary treatment, tertiary, and disinfection units?

Yes

In the past year, did treatment of wet weather flows cause any effluent violations or destabilize treatment upon return to normal service? If yes, describe below in the narrative box.

Yes

If the collection system or plant has been modified or upgraded, has the WWOP been modified to reflect new flow rates or new procedures and the revised plan submitted to the NYSDEC Regional Office?

No, no changes

In the upcoming year, are changes to the WWOP expected? If so, describe below in the narrative box.

No

When was the WWOP last updated?

2022

When was the WWOP last submitted and approved by NYSDEC?

2022

Use the space below to provide a narrative description of any changes to the WWOP during the reporting year or anticipated in the upcoming year.

None

BMP No. 6 Prohibition of Dry Weather Overflows

6 NYCRR 750-2.7 and 2.8(b)(2)
(EPA NMC No. 5: Elimination of CSOs During Dry Weather)

In the past year, were there any dry weather overflows?

No

BMP No. 7 Control of Floatables and Settleable Solids

6 NYCRR 750-2.8(a)(4)
(EPA NMC No. 6: Control of Solid and Floatable Materials in CSOs)

In the past year, did any outfalls discharge floating solids, oil and grease, or solids of sewage origin?

No

Indicate which of the following engineering controls or control measures, if any, have been implemented or will be implemented in the upcoming year?
Source controls (street cleaning, public education, household hazardous waste collection, solid waste collection, recycling, and/or composting of lawn/leaf/roadkill deer)

Use the space below to provide a narrative description of any ongoing issues with control of floatables and settleable solids from CSO outfalls and any existing or planned engineering controls or control measure to be implemented.

None

BMP No. 8 Combined Sewer System Replacement

6 NYCRR 750-2.10(i)
(EPA NMC: None)

In the past year, were any combined sewers designed or constructed that were not approved by NYSDEC?

No

Are there any plans or current projects to separate combined sewers into sanitary & storm sewers?

No

Were any cross-connections eliminated in the past year or planned for the upcoming year?

No

In the past year, how many miles of combined sewer were separated?

0.00

In the upcoming year, how many miles of combined sewer are scheduled to be separated?

0.00

Use the space below to provide a narrative description of how this BMP was implemented during the reporting year.

Street Cleaning & composting are ongoing events that are overseen by the City of Oswego DPW. Oswego County sponsors several solid & hazardous waste programs during the year, as well as providing a recycling facility that is open 4 days/week.

BMP No. 9 Combined Sewer / Extension

6 NYCRR 750-2.10(i)
(EPA NMC: None)

In the past year, were any combined sewers extended?

No

Is any development planned upstream of a combined sewer in the near future?

No

If a plan contained a flow credit requiring removal of I/I, what was the requirement or ratio?

5:1

Use the space below to provide a narrative description of how this BMP was implemented during the reporting year.

None

BMP No. 10 Connection Prohibitions

6 NYCRR750-2.9(a)(5)
(EPA NMC: None)

Are new connections prohibited by NYSDEC?

No

In the upcoming year, is any work planned to either increase capacity or reduce hydraulic loading to the WWTP? If so, describe below in the narrative box.

Yes

Use the space below to provide a narrative description of how this BMP was implemented during the reporting year.

Secondary Tank upgrade in the planning stage. Received Engineering Planning grant.

BMP No. 11 Septage and Hauled Waste

6 NYCRR750-2.7(f) and 2.8(a)(1)
(EPA NMC: None)

Does the POTW accept septage or hauled waste?

Yes

In the past year, were there any discharges or releases of septage or hauled waste INTO the collection system upstream of a CSO?

No

Are there restrictions on when the POTW accepts hauled waste or septage?

Yes

Is there a dedicated location to discharge septage at the WWTP?

Yes

Does the facility have authorization from NYSDEC to accept hauled waste or septage at a location other than the WWTP?

Yes

Are any of these locations upstream of a CSO outfall?

No

Have there been, or will there be, any changes to the POTW's policy on septage and hauled waste?

No

Use the space below to provide a narrative description of how septage and hauled waste are received by the POTW, where remote acceptance locations are, any POTW restrictions on when these wastes can be received, and the total volume of these wastes received at remote locations during the reporting year.

Although the Westside WWTP has an approved component to receive hauled waste, it has not been used for this purpose. All hauled waste (2 haulers: Oswego County (leachate) & Sun Environmental (apple processing wastewater) is received at our EFMF/Pumping Station within an approved containment area. This facility allows for more convenient entrance and egress of tanker trucks than the Main Plant. Wet-weather disch. is prohibited. Total gallons of hauled waste discharged for 2022 was 14,265,000 gal.

BMP No. 12 Control of Runoff

6 NYCRR750- 2.1(e)
(EPA NMC: None)

Is sediment in runoff from construction zones entering catch basins in the combined sewer system?

No

Are impacts of run-off, from development and re-development in areas served by combined sewers, reduced by requiring compliance with the New York Standards for Erosion and Sediment Control and the quantity control requirements included in the New York State Stormwater Management Design Manual?

Yes

Is there adequate communication between the local municipal department that enforces local stormwater codes and ordinances and the collection system staff regarding stormwater runoff?

Yes

Do the municipalities within the combined sewer system have adequate storm water pollution prevention programs to reduce pollutants in stormwater?

Yes

Are any changes needed in the implementation of this BMP to reduce the number of CSO events, the volume discharged, or pollutants in the discharge? If yes, describe below in the narrative box.

No

Use the space below to provide a narrative description of how this BMP was implemented during the reporting year and any planned changes for the upcoming year.

All construction projects ensuing within the City of Oswego with potential impact on stormwater catch basins are approved through the City of Oswego Engineer's office. All State required protocols are followed. The City of Oswego Wastewater Department has an approved SWPPP in place and active.

BMP No. 13 Public Notification

6 NYCRR 750-1.12
(EPA NMC No. 8: Public Notification)

In accordance with the Discharge Notification Act Requirements of the SPDES permit, outfall identification signs must be installed and maintained at all permitted CSO outfalls. Are these signs installed and maintained at all permitted CSO outfalls?

Yes

Are all CSO events in accordance with the SPDES permit reported via NY-Alert?

Yes

In accordance with the Sewage Pollution Right to Know Law, as detailed in 6 NYCRR Part 750-2.7, all CSO discharge events must be reported via the NY-Alert electronic notification system.

CSO events not in accordance with the SPDES permit conditions should be reported as a bypass via NY-Alert. When these events occur, are they being reported via NY-Alert?

Yes

Beyond the use of NY-Alert, does the POTW maintain any other public notification systems (e.g. websites, social media, email systems, public media broadcasts) to alert potential users of receiving waters affected by CSOs?

Yes

For all CSOs to receiving waters that are Class B or higher, a written public notification program (PNP) is required to be developed, implemented, and publicly available to inform citizens of the location and occurrence of CSO events. Is there a written PNP?

Yes

For all CSO communities within the Great Lakes Basin, a written PNP is required. Is your community within the Great Lakes Basin?

Yes

For Great Lakes Basin communities, when was the PNP last updated?

2022

Use the space below to provide a narrative description of how any updates to CSO outfall signs and PNPs, as well as a summary of any other public notification systems (beyond NY-Alert) used to alert the public of CSO events.

The two CSO Outfall signs are checked regularly during the year. Thus far, they continue to be in excellent condition and not needing any repair or replacement. The City of Oswego maintains a website, which includes notification to the public, when necessary.

BMP No. 14 Characterization and Monitoring

(6 NYCRR 750-1.11(a), 2.5(a) and 2.7(g))
(EPA NMC No. 9: Monitoring to Characterize CSO Impacts and the Efficacy of CSO Controls)

Has the combined sewer system been modeled for use in determining or estimating the frequency of overflows and identifying CSO impacts?

Yes

Was baseline sampling conducted as part of LTCP development?

Yes

Was any Post Construction Compliance Monitoring (PCCM) sampling conducted in the reporting year or planned for the upcoming year?

Yes

In what years does the SPDES permit, Order on Consent, or other enforcement mechanism require PCCM sampling to be conducted?

2022

CSO discharge monitoring methods should be specified for each CSO outfall in Part II of this Annual Report. For all CSO outfalls that are not metered, explain how overflow volumes are either modeled or estimated to collect sufficient data and document permit compliance and the success of CSO BMP implementation. In addition, please provide a brief summary of the findings from the most recently submitted PCCM Report (including compliance with the selected CSO Policy Approach criteria and attainment of water quality standards).

This recent PCCM Report "demonstrates that the Oswego River (receiving water) is in compliance with water quality standards for fecal coliform, pH, trash, and TSS. CSO discharges do not have a measurable impact on the river in terms of pH, trash and TSS, whereas non-disinfected CSO discharges cause elevated levels of fecal coliform in the river." (Post Construction Monitoring Report December 22, 2022)

OWNER/OPERATOR CERTIFICATION

The owner/operator must download, sign, and upload the certification form in order to complete this application.

Owner/Operator Certification Form Download

Download the certification form by clicking the link below. Complete, sign, scan, and upload the form.

Owner/Operator Certification Form (PDF)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Water
625 Broadway, Albany, New York 12233-3500
P: (518) 402-8233 I F: (518) 402-9029
www.dec.ny.gov

NYSDEC State Pollution Discharge Elimination System (SPDES) Combined Sewer Overflow Best Management Practices Annual Report

OWNER/OPERATOR CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

William J. Barlow Jr., Mayor
Name (please print or type)

Signature

1/3/2022
Date