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April 14, 2020

**TO: USEPA** – NPDES\_CSO@epa.gov  
**NYSDEC** – NYSDEC Regional Engineer/Region 7  
Thomas M Vigneault (thomas.vigneault@dec.ny.gov)

**SUBJECT:** City of Oswego CSO Public Notification Annual Report

In accordance with USEPA document entitled "Public Notification Requirements for Combined Sewer Overflows to the Great Lakes Basins", the City of Oswego respectfully submits this Annual Report for the period of January 1 – December 31, 2019. 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.

As provided for in the regulations, this report consists of newly prepared tables and existing report data regarding NY0029106 (Outfalls #002-EFME; #003-Riverwalk; #004-Main Plant discharge to Gardenier Creek) and NY0029114 (Outfall #002-Detention Basin).

In summary, during 2019 there were 30 CSO events reported to the public from four outfalls as follows:

1. 10 overflows from Westside Gardiner Creek outfall 004;
2. 11 from Westside EFMF SPDES permitted outfall 002;
3. 1 from Riverwalk outfall 003 and;
4. 8 overflows from Eastside Detention Basin SPDES permitted outfall 002.

Table 1 summarizes dates, locations, durations, volumes, precipitation amounts and whether the event occurred during dry or wet weather. Table 2 summarizes all analytical data from permitted overflows as required by the SPDES permit for that CSO outfall.

Copies of pertinent pages from the SPDES required Annual CSO Reporting for NY0029106 and NY0029114 provide the remaining Public Notification Annual Notice information.

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

Sincerely,



Kenneth Scherrieble  
Superintendent of Wastewater Treatment

EC: Mayor William J. Barlow Jr.  
Dan Farmer, Chief Operator – Eastside WWTP  
John McGrath, Chief Operator – Westside WWTP  
Jeffrey Hinderliter, City Engineer  
Robert Johnson, Engineering Technician  
Ryan Waldron, P.E. NYSDEC, Albany  
Valarie Ellis, P.E.1, Region 7  
Val Murakami, Region 7 Assistant Engineer



**TABLE 1**  
**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. Outfalls 003 & 004 are untreated.

DATE	LOCATION	DURATION	VOLUME MGD	WEEKLY RAINFALL/ SNOWMELT	CAUSE
2/6/19	EF MF 002	7 H 8 M	1.75	.86"	WET WEATHER
3/15/19	EF MF 002	15 H 54 M	2.25	.54"	WET WEATHER
5/14/19	EF MF 002	14 H 46 M	2.25	1.57"	WET WEATHER HIGH RIVER LEVELS
6/2/19	EF MF 002	4 H 46 M	0.03	.60"	WET WEATHER HIGH RIVER LEVELS
6/20/19	EF MF 002	10 H 8 M	1.20	2.97"	WET WEATHER HIGH RIVER LEVELS
6/25/19	EF MF 002	2 H 22 M	0.06	.57"	WET WEATHER HIGH RIVER LEVELS
7/17/19	EF MF 002	1 H 4 M	0.20	2.71"	WET WEATHER HIGH RIVER LEVELS
7/18/19	EF MF 002	6 H 21 M	0.25	2.71"	WET WEATHER HIGH RIVER LEVELS
10/17/19	EF MF 002	NO DATA	0.14	2.01"	WET WEATHER
10/31/19	EF MF 002	NO DATA	0.19	2.67"	WET WEATHER
12/14/19	EF MF 002	NO DATA	0.18	1.71"	WET WEATHER
2/5/19	SSO 004	15 M	0.001	.86"	WET WEATHER
2/6/19	SSO 004	6 H 35 M	0.092	.86"	WET WEATHER
3/15/19	SSO 004	5 H 42 M	0.967	.54"	WET WEATHER
5/10/19	SSO 004	4 H 20 M	0.171	1.57"	WET WEATHER
5/13/19	SSO 004	1 H 30 M	0.014	1.57"	WET WEATHER
5/13/19	SSO 004	16 H 58 M	0.265	1.57"	WET WEATHER
6/20/19	SSO 004	23 H 33 M	41.246 **	2.97"	WET WEATHER
10/16/19	SSO 004	2 H 27 M	0.045	2.01"	WET WEATHER
10/31/19	SSO 004	9 H 47 M	0.075	2.67"	WET WEATHER
12/14/19	SSO 004	11 H 10 M	0.374	1.71"	WET WEATHER
6/20/19	CSC RW 003	1 H 30 M	0.06	2.97"	WET WEATHER

\*\* Lake Ontario flowing back into outfall #004, which affected the flow recorder.



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

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

DATE	LOCATION	DURATION	VOLUME MGD	WEEKLY RAINFALL, SNOWMELT	CAUSE
2/6/19	DB 002	12 H 15M	0.18	.86"	WET WEATHER
3/15/19	DB 002	19 H 45 M	1.05	.54"	WET WEATHER
5/15/19	DB 002	19 H 10 M	0.99	1.57"	WET WEATHER
6/20/19	DB 002	47 H 10 M	2.25	2.97"	WET WEATHER
6/25/19	DB 002	3 H 25 M	0.09	.57"	WET WEATHER
7/17/19	DB 002	6 H 5 M	0.17	2.71"	WET WEATHER
10/31/19	DB 002	5 H 33 M	0.36	2.67"	WET WEATHER
12/14/19	DB 002	7 H 7 M	0.79	1.71"	WET WEATHER



**TABLE 2**  
**NY0029106**

**2019 Westside Excess Flow Management Data Summary (Outfall 002)**

<b>Date</b>	<b>Influent TSS mg/l</b>	<b>Influent BOD mg/l</b>	<b>Effluent TSS mg/l</b>	<b>Effluent BOD mg/l</b>	<b>O&amp;G mg/l</b>	<b>Fecal Coliform mpn/100</b>
2/6/19	37	35.4	50	14.6	<4.8	NA
3/15/19	59	15	15	18.5	<4.8	NA
5/14/19	18	28.7	12	5.6	<4.8	NA
6/2/19	32	22.5	<4.0	2.4	<4.8	1
6/20/19	178	30.6	196	42.6	<5	1299.7
6/25/19	46	134	46	16.7	<5	2419.6
7/17/19	62	32.9	28	19.9	<5	1553.1
7/18/19	142	<40	76.4	28.9	<5	980.4
10/17/19	40	24.2	29.2	18.9	<5	NA
10/31/19	26	28.6	17.6	17.4	<5	NA
12/14/19	70	62.2	46	19.4	<5	NA

**2019 Eastside Detention Basin Data Summary (Outfall 002)**  
**NY0029114**

<b>Date</b>	<b>Influent TSS mg/l</b>	<b>Influent BOD mg/l</b>	<b>Effluent TSS mg/l</b>	<b>Effluent BOD mg/l</b>	<b>O &amp; G mg/l</b>	<b>Fecal Coliform mpn/100</b>
2/6/19	53	38.4	17	17	6.2	1732.9
3/15/19	45	7.9	6	14.5	<4.8	2419.6
5/15/19	106	30.8	8	13.3	<4.8	21.3
6/20/19	368	103	68	28.9	<5	89.35
6/25/19	184	91.9	19.2	22.1	<5	2419.6
7/17/19	96	74.9	33.6	30.4	<5	2419.6
10/31/19	58	51.8	22	36.3	<5	2419.6
12/15/19	94	42.3	34.8	34.1	<5.6	5.7



Public Notification Requirements for  
Combined Sewer Overflows

Supplemental Information taken  
from the:

*Annual Report for  
Best Management Practices for  
Combined Sewer Overflows  
NY0029106*

**Part II - CSO LTCP Control Information**

<b>CSO Facility:</b> Westside Wastewater Treatment Plant	<b>Flow:</b> 4.0 MGD
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**SECTION A: CSO LTCP GENERAL INFORMATION**LTCP Development/Implementation:

Check all that apply:	<i>Describe other controls currently being used or planned. Also describe how the objectives of the CSO Control Policy have been met.</i>
In Development <input type="checkbox"/>	The LTCP continues to progress. As stated in last year's report the Westside Sanitary System has completed the second 25% of a separation project along with completion of the second 25% rehabilitation project. The EFMF upgrade allows for 3.5 MGD to be pumped to the main plant. EFMF includes 150,000 gallons storage capacity during wet weather in addition to disinfection facilities. Main plant wet weather capacity is 12 MGD. Design for the 3rd phase of Combined Sewer separation has been completed and related construction is scheduled to begin in spring 2020.
Submitted <input checked="" type="checkbox"/>	
Approved <input type="checkbox"/>	
In Progress <input checked="" type="checkbox"/>	
Completed <input checked="" type="checkbox"/>	
Not Required <input type="checkbox"/>	

CSO Controls:

Check all that apply:	<i>Describe other controls currently being used or planned. Also describe how the objectives of the CSO Control Policy have been met under the selected controls</i>
Source Controls <input checked="" type="checkbox"/>	Ongoing Sewer Maintenance continues to provide for maximum capacity and flow to the WSSTP. On completion of the 3rd phase of sewer separation, wet weather flow will be further reduced. Overflow events at the Excess Flow Management Facility (002) increased in 2019 to 11 (there were 6 in 2018), however, 6 of these events resulted from river water backing into the holding tank, which left little room for storm water to be contained. There was only 1 event that occurred at Outfall #003, again, due to high river level causing backup in the Riverwalk interceptor sewer line.
Collection System Controls <input checked="" type="checkbox"/>	
Storage Technologies <input checked="" type="checkbox"/>	
Treatment Technologies <input type="checkbox"/>	
Floatable Controls <input checked="" type="checkbox"/>	
Disinfection <input checked="" type="checkbox"/>	
Type: Hypo Seasonal	

Post-Construction Compliance Monitoring (PCCM) Program:

Check all that apply:	<i>Describe PCCM findings, status, updates, and future plan. Attach a separate sheet if necessary and describe if the PCCM confirms that LTCP is meeting the objectives of the CSO Control Policy</i>
In Development <input type="checkbox"/>	Preliminary monitoring and testing was performed in 2006. Post-construction monitoring is scheduled to be completed on January 1, 2023.
Submitted <input checked="" type="checkbox"/>	
Approved <input type="checkbox"/>	
In Progress <input checked="" type="checkbox"/>	
Completed <input type="checkbox"/>	
Not Required <input type="checkbox"/>	

**Part II - CSO LTCP Control Information**
**SECTION D: Collection System Information**

	Baseline	After CSO BMP and/or LTCP Implementation	Current
Percentage of the collection system owned by the permittee that is combined.	Appx. 33%	Appx. 8%	Appx. 16%
Approximate no. of miles of combined sewers in the permittee owned system	15 miles	4 miles	8 miles
Number of combined sewer outfalls in the permittee owned system	2	2	2
Average annual no. of CSO events in the permittee owned system	32	< 5 est.	11*
Average annual CSO volume discharged from the permittee owned system (MG)	44.6 mg	< 7 mg est.	18.05 mg*
Population served by the permittee's owned system	16350	13350	16350
Number of satellite system connections	2	2	2

Use the space below to provide any further relevant information on the collection system. This should include a description of any unique ownership, operation and maintenance agreements or further explanation and description of satellite system connections. (Attach extra sheets, if necessary):

( City of Oswego - Department of Public Works Maintains O & M on the City of Oswego Collection System )

The Town of Oswego - Ontario Heights Sanitary Sewer District - Satellite System - O & M maintained by Town of Oswego

State - State University of New York (Oswego New York) Sanitary Sewer District - Satellite System - O & M maintained by SUNY Oswego

\* Actual not averaged



**Part II - CSO LTCP Control Information**

**SECTION F:** Use this section to describe how the implementation of the LTCP development and implementation have met the water quality standards of the receiving stream(s) and also objectives of the EPA CSO Control Policy (attach extra sheets as necessary):

During 2019, design plans for 3rd Phase sewer Rehab & separation were completed. Construction will begin in the spring 2020. 11 permitted overflows from the EFMF (Outfall 002) occurred, however, 6 of these events (6/1/19-7/31/19) resulted from high river water levels that caused back up into the underground holding tank and keeping it filled. Consequently, when stormwater events were taking place and water entered the tank as designed, it automatically resulted in an overflow to the river. In short, there was no storing capacity in the underground holding tank during these events.

**SECTION G:** Use the following space to summarize other planned CSO control projects (attach extra sheets as necessary):

EFC No. C7-6344-19-02: 25% - Combined Sewer Overflow (CSO Separation) - Completed  
 EFC No. C7-6344-19-02: 25% - Combined Sewer Overflow (CSO Rehabilitation) - Completed  
 EFC No. C7-6344-19-04: Sanitary Sewer Overflow (SSO) - Sewer Rehabilitation - Part III of Area 1 - Completed 11/1/14  
 EFC No. C7-6344-19-05: Excess Flow Management Facility Pump Station and Upgrade - Completed  
 EFC No. C7-6344-19-06: Oswego Rehabilitation Area 2 - Design Started in 2015, Bids for work due 2/15/17 for completion by 11/1/17. (Smoke testing, cleaning and TV work) - Completed 1/17/18  
 EFC No. C7-6344-19-07: Combined Sewer Separation Second 25% Phase 2, - Completed 9/25/17  
 EFC No. C7-6344-19-07: Combined Sewer Rehabilitation Second 25% Phase 2 - Completed 10/22/18  
 EFC No. C7-6344-19-03: Combined Sewer Separation Third 25% Phase 3: Survey and GEO Technical work complete. Mandated completion date 11/1/21  
 EFC No. C7-6344-19-03: Combined Sewer Rehabilitation Third and Fourth 25% Phase 3: Sewer Investigations completed on 11/2/18. Mandated completion date 11/1/21  
 EFC No. C7-6344-19-09: Oswego Sewer Rehab Area 3 - Sewer Investigations completed 10/1/18. Mandated completion date 11/21/21.

*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 gather and evaluate 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.*

Name: John McGrath	Official Title: Chief Operator/Westside	Phone: 315 342-3777
Signature: 	Date Signed: 1/29/20	Email: labmanager@oswegony.org

PERMITTEE NAME: City of Oswego

SPDES PERMIT NO.: NY-0029106

**PART III - CSO BEST MANAGEMENT PRACTICES**

Check N/A if not required in the permit, consent order, or LTCP:

1. CSO Maintenance/Inspection 6 NYCRR 750-2.8(a)(2) (EPA NMC: Proper Operation and Maintenance)	YES	NO	N/A
Is there a written program for the operation, inspection and maintenance of the CSS?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Does the program include procedures for ALL outfalls in the permit?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Does the program include procedures for ALL regulators in the permit?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are inspections conducted at least as frequently as required in the permit (weekly or monthly)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are inspections conducted during dry and wet weather?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Do the inspection reports indicate visual inspection, any observed flows, incidence of rain or snowmelt, condition of equipment, and any work required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are inspection reports submitted to the DEC regional office with the monthly operating reports?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the written program sufficiently detailed? Indicate which of the following additional components are included in the plan.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pump Stations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sewer clearing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sewer Manholes and Catch Basins	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Outfalls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CSO Controls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are there inter-municipal agreements which require inspection and maintenance?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Are any changes planned in the upcoming year for the agreements to make them more effective?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the collection system mapped using GIS?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Entire system, including manholes and catch basins?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
In the past year, was significant mapping progress accomplished?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
In the upcoming year, is GIS mapping planned?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the collection system monitored using a SCADA system?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
In the past year, was significant progress accomplished in installing or expanding monitoring with a SCADA system?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
In the upcoming year, is installation of a SCADA system planned or being expanded?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does the municipality have an asset management plan that includes the collection system?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are funds available to carry out the BMP requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are any major equipment purchases planned or expected in the next five years related to the BMP requirements? If yes, describe below	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the pump inventory, including spare parts, adequate for the upcoming year?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is sufficient staff training available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

BMP 2 /CSO Maintenance & Inspections

## PART III - CSO BEST MANAGEMENT PRACTICES

Is funding for training adequate and available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	YES	NO	N/A
Is sufficient staff training available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is funding for training adequate and available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have any work efforts or problems in the past year resulted in changes in overflows? If yes, describe below	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Fewer events	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Less volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Reduction in floatables, settleable solids or oil and grease discharged	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Reduction in industrial pollutants (chemicals)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Improvement in water quality of receiving waterbody	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
In the past year, was the inspection and maintenance program mostly:			
Reactive (responding to problems)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proactive (focusing on preventative maintenance to avoid problems)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If the program is mostly reactive, describe below any plans to shift the emphasis to prevention	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DESCRIBE BELOW HOW THIS BMP IMPLEMENTATION HAS MET THE REQUIREMENTS OF THE SPDES PERMIT, AND THE OBJECTIVES OF THE EPA NINE MINIMUM CONTROLS. (Attach extra sheet if necessary)			
During 2019, there were 11 overflow events that occurred at the EFMF. It is estimated that 6 of these events occurring between May 14 - July 31, 2019 were due to river water backing up into and filling the Underground Storage Tank during dry weather conditions, which did not allow for containment of stormwater during an event. It is likely that absent the river water intrusion, the stormwater events during the summer period, would not have resulted in an overflow event.			
Combined Sewer Separation Second 25% Phase 2, completed 2018 Combined Sewer Rehabilitation Second 25% Phase 2 - completed 2018			
Combined Sewer Separation Third Phase - plans completed 2019 - Construction to begin in spring 2020 Combined Sewer Rehabilitation Third Phase - plans completed 2019			
2. Our inspection and maintenance program is proactive but when a non problem area becomes a problem area it gets put on the priority list for increased inspections			

PERMITTEE NAME: City of Oswego

SPDES PERMIT NO.: NY-0029106

## PART III - CSO BEST MANAGEMENT PRACTICES

2. Maximum Use of Collection System for Storage 6 NYCRR 750-2.7(f), 750-2.8(a)(2), 750-2.8(a)(5) (EPA NMC: Maximum Use of Collection System for Storage)	Yes	No	N/A
Are CSOs minimized and flow to the treatment plant maximized?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Has the hydraulic capacity of the system been evaluated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is there a continuous program of flushing and cleaning to prevent deposition of solids?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have regulators and weirs been adjusted to maximize storage without causing service backups?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
In the past year or the upcoming year, have any changes to structures or procedures been made or planned that will improve use of the collection system for storage? Describe below	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tieegas maintenance/repairs/replacement	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
FOG program	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Removal of small systems bottlenecks	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sewer cleaning and sediment removal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Removal of flow obstructions	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regulator or weir adjustment - list locations below	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
In-line storage: Inflatable dams or sluice gates	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wet Weather Operating Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do the municipalities within the combined sewer system have a water conservation program for homeowners?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
In the upcoming year are there any studies, work, or projects planned (other than routine activities) to improve use of collection system for storage? Describe below.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>DESCRIBE BELOW HOW THIS BMP IMPLEMENTATION HAS MET THE REQUIREMENTS OF THE SPDES PERMIT, AND THE OBJECTIVES OF THE EPA NINE MINIMUM CONTROLS. (Attach extra sheet if necessary)</b>			
In 2015 Preliminary work began on project C7-6344-19-06 - Smoke testing, cleaning, and TV work. Bids for work due 2/15/17. Project was completed on 11/1/17			
Combined Sewer Rehabilitation Second 25% Phase 2 - completed 2018			
Wet weather operating plan was updated in 2017, but will likely be amended in 2019.			

PERMITTEE NAME: City of Oswego

SPDES PERMIT NO.: NY-0029106

**PART III - CSO BEST MANAGEMENT PRACTICES**

<b>3. Industrial Pretreatment</b> 6 NYCRR 750-2.7(f) and 2.9(a)(4) (EPA NMC: Review and Modify Pretreatment Requirements) <input type="checkbox"/> N/A	YES	NO	N/A
Has the impact on CSOs from nondomestic users that discharge toxic pollutants been evaluated, and steps taken to minimize such impacts?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is there an approved pretreatment or mini-pretreatment program?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If there is no pretreatment or mini-pretreatment program, are there any nondomestic users? If No to both of the previous questions, go to BMP 4	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is there an inventory of industrial dischargers? Is the following information included?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Volume of discharge?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pollutants in discharge?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are any pollutants classified as "persistent toxics" or bioaccumulative?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the location included on the collection system map?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are there any industrial discharges that could reach CSO outfalls?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, have any industrial dischargers been identified as contributing to a water quality impairment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If yes, does the industry have a holding tank or EQ tank to store wastewater prior to discharge to the collection system?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If yes, does the industry have a written plan to store or hold discharges during rain events?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If yes, has the industry been asked to prepare a written plan to store or hold discharges?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
In the past year, have there been negotiations or changes to agreements with industrial dischargers which will potentially reduce impacts during CSO events? Describe below.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
In the upcoming year, are any negotiations or changes to agreements with industrial dischargers planned which will potentially reduce impacts during CSO events? Describe below.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DESCRIBE BELOW HOW THIS BMP IMPLEMENTATION HAS MET THE REQUIREMENTS OF THE SPDES PERMIT, AND THE OBJECTIVES OF THE EPA NINE MINIMUM CONTROLS. (Attach extra sheet if necessary)			

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**PART III - CSO BEST MANAGEMENT PRACTICES**

<b>4. Maximize Flow to POTW</b> 6 NYCRR 750-2.7(f), 2.8(a)(2), and 2.8(a)(5) (EPA NMC: Maximum Flow to POTW for Treatment) N/A	<input type="checkbox"/>	YES	NO	N/A
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?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
In the past year, was the secondary treatment works able to treat the flows specified in the permit for all wet weather flows?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If the answer to either of the above questions was No, has a plan and schedule to accomplish this been submitted to the Department?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
In the past year have there been any physical modifications to the collection system which have allowed more flow to reach the POTW? Describe below.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are any physical modifications planned for the upcoming year?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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? List below	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
In the past year, have any new problem areas been identified that restrict flow to the plant? List locations below	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
In the upcoming year, are there plans to address hydraulic restrictions or bottlenecks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pipe replacement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Construction of relief sewer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Construction of overflow tank	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pump station improvements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pump replacement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Weir adjustment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Smoke testing, dye testing to identify illicit connections	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DESCRIBE BELOW HOW THIS BMP IMPLEMENTATION HAS MET THE REQUIREMENTS OF THE SPDES PERMIT, AND THE OBJECTIVES OF THE EPA NINE MINIMUM CONTROLS. (Attach extra sheet if necessary)  2014 Upgrade of EF MF has restored normal flow of up to 3.5 MGD to reach the POTW  In 2015 Preliminary work began on project C7-6344-19-06 - Smoke testing, cleaning, and TV work. Bids for work due on 2/15/17. Project completed on 11/1/17.  Combined Sewer Rehabilitation Second 25% Phase 2 - completed in 2018 Combined Sewer Separation Second 25% Phase 2 - completed in 2018				

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5. Wet Weather Operating Plan (WWOP) 6 NYCRR 750-2.8(a) (EPA NMC: None) <input type="checkbox"/> N/A	YES	NO	N/A
Has a WWOP been developed, specifying procedures for unit operations, to maximize treatment during wet weather events while not diminishing effluent quality or destabilizing treatment upon return to dry weather operation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
In the past year, did treatment of wet weather flows cause any effluent violations or destabilize treatment upon return to normal service?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Has the WWOP been developed in accordance with the DEC guidance, "Wet Weather Operating Practices for POTWs with Combined Sewers"? If no, describe changes needed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Has the WWOP been submitted to the Regional Office and Bureau of Water Permits (Albany) for review and approval?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If the collection system or plant has been modified or upgraded, has the WWOP been modified to reflect new flow rates or new procedures?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, has the revised plan been submitted to the Regional Office for approval?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Does the plan identify the maximum flows through preliminary, primary, secondary treatment, tertiary, and disinfection units?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
In the upcoming year, are changes to the plan expected?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p><b>DESCRIBE BELOW HOW THIS BMP IMPLEMENTATION HAS MET THE REQUIREMENTS OF THE SPDES PERMIT, AND THE OBJECTIVES OF THE EPA NINE MINIMUM CONTROLS. (Attach extra sheet if necessary)</b></p> <p>In 2016 we updated our Wet Weather Operating Plan and we updated it again in 2017. The Wet Weather Operating Plan was again updated in 2019 and included additional measures for maintaining maximum flow into the Main Plant, while preserving Plant Effluent quality.</p>			

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<b>6. Prohibition of Dry Weather Overflows 6 NYCRR 750-2.7 and 2.8(b)(2)</b> <i>(EPA NMC: Eliminate Dry Weather Overflows)</i> <b>N/A</b>	<input type="checkbox"/>	YES	NO	N/A
In the past year, were there any dry weather overflows? If no, skip to BMP 7.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were all dry weather overflows reported in accordance with 6 NYCRR Part 750-2.7 (incident reporting)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If dry weather overflows occurred, indicate which procedures or equipment have been improved or replaced	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Schedule for routine inspections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Management, operation and maintenance program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Modification of existing or issuance of new inter-municipal agreements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
FOG program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Removal of illicit connections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
I/I Control program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Leaky tidegates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Adjustment and/or repair of regulators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Auxiliary power	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Elimination of hydraulic bottlenecks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Adequate dry weather flow capacity at the treatment plant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other, list below	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has additional staff training been provided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has the likelihood of future dry weather overflows been eliminated? If not, describe additional information below.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>DESCRIBE BELOW HOW THIS BMP IMPLEMENTATION HAS MET THE REQUIREMENTS OF THE SPDES PERMIT, AND THE OBJECTIVES OF THE EPA NINE MINIMUM CONTROLS. (Attach extra sheet if necessary)</b>				



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**PART III - CSO BEST MANAGEMENT PRACTICES**

<b>7. Control of Floatables and Settleable Solids 6 NYCRR 750-2.8(a)(4)</b> <i>(EPA NMC: Control of Solid and Floatable Materials in CSOs)</i>	<input type="checkbox"/> N/A	YES	NO	N/A
In the past year, were did any outfalls discharge floating solids, oil and grease, or solids of sewage origin?		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Have BMPs been implemented to eliminate or minimize the discharge of floatables and settleable solids?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have any of the following measures been implemented (either existing from previous years, in the past year) or will any be implemented in the upcoming year? If significant progress has been made in implementing these, or if significant improvements have occurred, describe below.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Floatables quantification		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Booming and skimming of open waters		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Source controls (street cleaning, public education, household hazardous waste collection, solid waste collection, recycling, and/or composting of lawn/leaf/roadkill deer)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
In-line netting		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Screens		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Catch basin hoods		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other:		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Are any changes needed or planned for the upcoming year? Describe additional information below.		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p><b>DESCRIBE BELOW HOW THIS BMP IMPLEMENTATION HAS MET THE REQUIREMENTS OF THE SPDES PERMIT, AND THE OBJECTIVES OF THE EPA NINE MINIMUM CONTROLS. (Attach extra sheet if necessary)</b></p> <p>See attached letter regarding Street Sweeping.</p> <p>In 2014 both dry weather and wet weather screens were replaced at EFMF 002 during the following project:</p> <p>EFC No. C7-6344-19-05: Excess Flow Management Facility Pump Station and Upgrade - Completed</p>				

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**PART III - CSO BEST MANAGEMENT PRACTICES**

8. Combined Sewer System Replacement 6 NYCRR 750-2.10(i) (EPA NMC: None) <input type="checkbox"/> N/A	YES	NO	N/A
In the past year, were any combined sewers designed or constructed that were not approved by DEC?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, was the combined sewer replaced by separate sanitary and storm sewers to the greatest extent possible?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If yes, were the separate sanitary and storm sewers designed and constructed simultaneously but without interconnections to the maximum extent practicable?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is the combined portion of the collection system completely identified on maps or GIS?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are there any plans or current projects to separate combined sewers into sanitary and storm sewers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is there an approved engineering plan for this project?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
In the past year, how many areas of combined sewer were separated? <span style="float: right;">acres</span>			
In the upcoming year, how many areas of combined sewer are scheduled to be separated? <span style="float: right;">acres</span>			
Are the sewer replacement projects on schedule? If no, describe below.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overall, has the implementation of this BMP resulted in fewer overflow events and/or less volume discharged? Describe below.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p><b>DESCRIBE BELOW HOW THIS BMP IMPLEMENTATION HAS MET THE REQUIREMENTS OF THE SPDES PERMIT, AND THE OBJECTIVES OF THE EPA NINE MINIMUM CONTROLS. (Attach extra sheet if necessary)</b></p> <p>Project C7-6344-19-03 - Smoke testing, cleaning, and TV work. Design Started in 2015 - Bids for work due 2/15/17, for completion on 11/1/17.</p> <p>Project C7-6344-19-07: Separation Second 25%, Phase 2, Bids for work due 2/15/17, was completed on 11/1/17.</p> <p>Project C7-6344-19-07: Rehabilitation Second 25%, Phase 2 - completed 11/1/18</p> <p>BMP Project Update:            Project C7-6344-19-03 Third 25 % Separation Phase 3 - survey and geotechnical work completed.            Project C7-6344-19-03 Third and Fourth 25 % Rehabilitation Phase 3 - sewer investigation completed 11/2/18            Project C7-6344-19-09 Sewer Rehab Area 3 - Sewer investigation completed 10/1/18</p>			

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**PART III - CSO BEST MANAGEMENT PRACTICES**

12. Control of Runoff 6 NYCRR750- 2.1(e) (EPA NMC: None) <input type="checkbox"/> N/A	YES	NO	N/A
Is sediment in runoff from construction zones entering catch basins in the combined sewer system?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there adequate communication between the local municipal department that enforces local stormwater codes and ordinances and the collection system staff regarding stormwater runoff?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do the municipalities within the combined sewer system have adequate storm water pollution prevention programs to reduce pollutants in stormwater?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Annual household hazardous waste collection	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Autumn leaf collection	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lawn clippings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Christmas tree pickup	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Roadkill deer composting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fertilizer and pesticide management	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Enforcement of litter laws	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public education programs on composting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

DESCRIBE BELOW HOW THIS BMP IMPLEMENTATION HAS MET THE REQUIREMENTS OF THE SPDES PERMIT, AND THE OBJECTIVES OF THE EPA NINE MINIMUM CONTROLS. (Attach extra sheet if necessary)

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**PART III - CSO BEST MANAGEMENT PRACTICES**

13. Public Notification 6 NYCRR 750-1.12 (EPA NMC: Public Notification) <input type="checkbox"/> N/A	YES	NO	N/A
Have identification signs been installed and maintained at all CSO outfalls owned and operated by the permittee?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are all signs placed at or near the outfall?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are the signs easily readable by the public?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are the signs a minimum size of 18" by 24"?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do the signs have white letters on a green background?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do all the signs contain the following information:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SPDES permit number	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Outfall number	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Permittee name, contact name and phone number at business office or NYSDEC Division of Water regional contact address and phone number	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
For waters that are Class E or higher, is a public notification program implemented to inform citizens of the location and occurrence of CSO events?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does this program include a mechanism (public media broadcast, standing beach advisories, newspaper notice, etc) to alert potential users of the receiving waters affected by CSOs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does this program include a system to determine the nature and duration of conditions that are potentially harmful to users of these receiving waters due to CSOs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were there any problems in the past year with missing or damaged signs? Describe below.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there a written public notification plan?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does the plan list all methods used to notify the public of CSO events?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does the plan list outfalls where signs are posted?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p><b>DESCRIBE BELOW HOW THIS BMP IMPLEMENTATION HAS MET THE REQUIREMENTS OF THE SPDES PERMIT, AND THE OBJECTIVES OF THE EPA NINE MINIMUM CONTROLS. (Attach extra sheet if necessary)</b></p> <p>Written public notification system is NY Alert. Report of Noncompliance Event Forms are also posted on the City Website.</p>			

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**PART III - CSO BEST MANAGEMENT PRACTICES**

14. Characterization and Monitoring (6 NYCRR 750-1.11(a), 2.5(a) and 2.7(g)) (EPA NMC: Monitoring.	YES	NO	N/A
If required in the permit, has the combined sewer system been characterized to determine the frequency of overflows, and identify CSO impacts?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Was a baseline sampling program established as part of the LTCP development?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are all outfalls monitored during discharge events for:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flow Volume:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Frequency:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Duration:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If all outfalls are not monitored, explain how sufficient data is obtained to document the success of the BMPs.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
List locations of rain gauges or the source of data, below.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has a Post Construction Modeling and Monitoring plan been submitted to the Department for review and approval?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Has the Department approved the Post Construction Modeling and Monitoring plan?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Has post construction monitoring and modeling of the receiving water begun? Attach results if this has not already been provided.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p><b>DESCRIBE BELOW HOW THIS BMP IMPLEMENTATION HAS MET THE REQUIREMENTS OF THE SPDES PERMIT, AND THE OBJECTIVES OF THE EPA NINE MINIMUM CONTROLS (Attach extra sheet if necessary)</b></p> <p>Source of rain data: Wunderground.com (Weather Station at Oswego County Airport)</p> <p>Post Construction Monitoring Baseline sampling was performed in 2011.</p> <p>Sewer Separation is due to be completed in 2021</p> <p>Post Construction Monitoring plan due January 1, 2023</p>			



Tom Kells

Commissioner ~ Department of Public Works

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January 29, 2020

To: Robert Johnson, City Engineering Department

From: Tom Kells, Department of Public Works

Re: Street Sweeping

Street sweeping is done on a continual basis beginning in late March until late October, weather permitting.

The sweeping is done as follows: We first use loaders and unloaders to scrape up sand from the streets which was deposited over the winter. Then, two sweepers begin sweeping the streets starting south of the City and working north until all streets are done. We then start the process over again continuing throughout the year.

City catch basins are cleaned regularly starting in late March until late October, weather permitting. We start by cleaning catch basins on all of the hills on both sides of the City. We then work on the less hilly areas and finally the flat areas. We clean 50% of all catch basins per year. Those that are not done that year will be done first when we get into that area the following year.

All City sanitary lift stations are checked on a daily basis for problems. They are maintained on a quarterly basis for preventative maintenance (degassed & cleaned), with the hours being recorded each time. Twice per year the pumps are pulled out and the oil is changed, they are checked for any problems and the pits are scraped and cleaned.

All City sanitary and storm mains are cleaned on an as-needed basis when we are notified of a problem.

TK/kag

Cc: Honorable Mayor, William Barlow Jr  
Mr. Craig Rebec, Sewer Maintenance Supervisor  
Mr. Kenneth Scherrie, Superintendent of Wastewater Treatment  
File



Public Notification Requirements for  
Combined Sewer Overflows

Supplemental Information taken  
from the:

*Annual Report for  
Best Management Practices for  
Combined Sewer Overflows  
NY0029114*

**Part II - CSO LTCP Control Information**

CSO Facility: East Side Sewer System

Flow:

MGD

**SECTION A: CSO LTCP GENERAL INFORMATION**LTCP Development/Implementation:

Check all that apply	<i>Describe other controls currently being used or planned. Also describe how the objectives of the CSO Control Policy have been met.</i>
In Development <input type="checkbox"/>	LTCP has been completed at this facility. The East Side Sanitary System is 70% separated and all sanitary wastewater is treated at the East Side Treatment Plant. The single SP at the plant is monitored around the clock on SCADA.
Submitted <input type="checkbox"/>	
Approved <input type="checkbox"/>	
In Progress <input type="checkbox"/>	
Completed <input checked="" type="checkbox"/>	
Not Required <input type="checkbox"/>	

CSO Controls:

Check all that apply	<i>Describe other controls currently being used or planned. Also describe how the objectives of the CSO Control Policy have been met under the selected controls</i>
Source Controls <input checked="" type="checkbox"/>	See Attachment 1
Collection <input checked="" type="checkbox"/>	
System Controls <input checked="" type="checkbox"/>	
Storage <input type="checkbox"/>	
Technologies <input type="checkbox"/>	
Treatment <input type="checkbox"/>	
Technologies <input type="checkbox"/>	
Floatable <input checked="" type="checkbox"/>	
Controls <input checked="" type="checkbox"/>	
Disinfection <input checked="" type="checkbox"/>	
Type: Hypo	

Post-Construction Compliance Monitoring (PCCM) Program:

Check all that apply	<i>Describe PCCM findings, status, updates, and future plan. Attach a separate sheet if necessary <u>and</u> describe if the PCCM confirms that LTCP is meeting the objectives of the CSO Control Policy</i>
In Development <input type="checkbox"/>	PCCM submitted in September 2012. Was deemed incomplete and unapprovable in correspondence from NYSDEC dated June 28, 2013. We met with DEC to discuss this on January 22, 2016. Post Construction monitoring plan is 95% approved with the only exception being final negotiation on Lake Ontario In-Lake Sampling Location (see letter attached).
Submitted <input checked="" type="checkbox"/>	
Approved <input type="checkbox"/>	
In Progress <input checked="" type="checkbox"/>	
Completed <input type="checkbox"/>	
Not Required <input type="checkbox"/>	



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## Part II - CSO LTCP Control Information

### SECTION D: Collection System Information

	Baseline	After CSO BMP and/or LTCP Implementation	Current
Percentage of the collection system owned by the permittee that is combined.	unknown	27%	27%
Approximate no. of miles of combined sewers in the permittee owned system	unknown	12.15 miles	12.15 miles
Number of combined sewer outfalls in the permittee owned system	6	1	1
Average annual no. of CSO events in the permittee owned system	10	4	8
Average annual CSC volume discharged from the permittee owned system (MG)	unknown	8.98	5.9
Population served by the permittee's owned system	9,000	9,000	9,000
Number of satellite system connections	1	1	1

Use the space below to provide any further relevant information on the collection system. This should include a description of any unique ownership, operation and maintenance agreements or further explanation and description of satellite system connections. (Attach extra sheets, if necessary):

( City of Oswego - Department of Public Works maintains O & M on City of Oswego Collection System )

The Town of Scriba - Sanitary Sewer District - Satellite System O & M Maintained by Scriba

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## Part II - CSO LTCP Control Information

**SECTION F:** Use this section to describe how the implementation of the LTCP development and implementation have met the water quality standards of the receiving stream(s) and also objectives of the EPA CSO Control Policy (attach extra sheets as necessary):

During the course of the projects involved in the LTCP we have maximized the flow to the POTW, we have eliminated an overflow facility at the River, we have increased the pumping capacity at our Pump Station from 1.5 mgd to 11.5 mgs and we have added dechlorination at outfall #002. All of this was completed before the start of 2017.

**SECTION G:** Use the following space to summarize other planned CSO control projects (attach extra sheets as necessary):

Because of high lake levels in 2017 we raised the weir level in 002 to prevent lake inflow. This also expanded our capturable quantity. In 2018 we increased the height of the Detention Basin tank which increased the capturable amount to 0.7 MG per event.

*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 gather and evaluate 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.*

Name: Daniel Ramer

Official Title: Chief Operator East Wastewater

Phone: 315 342-8246

Signature: 

Date Signed:

Email: dramer@camdengroupusa.com

PERMITTEE NAME: City of Oswego

SPDES PERMIT No.: NY-0029114

**PART III - CSO BEST MANAGEMENT PRACTICES***Check N/A if not required in the permit, consent order, or LTCP:*

1. CSO Maintenance/Inspection 6 NYCRR 750-2.8(a)(2) (EPA NMC: Proper Operation and Maintenance)	YES	NO	N/A
Is there a written program for the operation, inspection and maintenance of the CSS?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Does the program include procedures for ALL outfalls in the permit?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Does the program include procedures for ALL regulators in the permit?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are inspections conducted at least as frequently as required in the permit (weekly or monthly)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are inspections conducted during dry and wet weather?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Do the inspection reports indicate visual inspection, any observed flows, incidence of rain or snowmelt, condition of equipment, and any work required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are inspection reports submitted to the DEC regional office with the monthly operating reports?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is the written program sufficiently detailed? Indicate which of the following additional components are included in the plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pump Stations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sewer cleaning	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sewer Manholes and Catch Basins	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Outfalls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CSO Controls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are there inter-municipal agreements which require inspection and maintenance?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Are any changes planned in the upcoming year for the agreements to make them more effective?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the collection system mapped using GIS?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Entire system, including manholes and catch basins?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
In the past year, was significant mapping progress accomplished?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
In the upcoming year, is GIS mapping planned?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the collection system monitored using a SCADA system?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
In the past year, was significant progress accomplished in installing or expanding monitoring with a SCADA system?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
In the upcoming year, is installation of a SCADA system planned or being expanded?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does the municipality have an asset management plan that includes the collection system?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are funds available to carry out the BMP requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are any major equipment purchases planned or expected in the next five years related to the BMP requirements? If yes, describe below	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the pump inventory, including spare parts, adequate for the upcoming year?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is sufficient staff training available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

BMP 2 /CSO Maintenance &amp; Inspections

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Is funding for training adequate and available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	YES	NO	N/A
Is sufficient staff training available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is funding for training adequate and available?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have any work efforts or problems in the past year resulted in changes in overflows? If yes, describe below	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Fewer events	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Less volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Reduction in floatables, settleable solids or oil and grease discharged	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Reduction in industrial pollutants (chemicals)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Improvement in water quality of receiving waterbody	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
In the past year, was the inspection and maintenance program mostly:			
Reactive (responding to problems)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proactive (focusing on preventative maintenance to avoid problems)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If the program is mostly reactive, describe below any plans to shift the emphasis to prevention	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p><b>DESCRIBE BELOW HOW THIS BMP IMPLEMENTATION HAS MET THE REQUIREMENTS OF THE SPDES PERMIT, AND THE OBJECTIVES OF THE EPA NINE MINIMUM CONTROLS. Attach extra sheet if necessary)</b></p> <p>SCADA improvements completed during 2018.</p> <p>Reactive/Proactive - As problems occur, the area involved is put on a watch list and become proactive.</p>			

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2. Maximum Use of Collection System for Storage 6 NYCRR 750-2.7(f), 750-2.8(a)(2), 750-2.8(a)(5) (EPA NMC: Maximum Use of Collection System for Storage)	Yes	No	N/A
Are CSOs minimized and flow to the treatment plant maximized?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Has the hydraulic capacity of the system been evaluated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is there a continuous program of flushing and cleaning to prevent deposition of solids?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have regulators and weirs been adjusted to maximize storage without causing service backups?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
In the past year or the upcoming year, have any changes to structures or procedures been made or planned that will improve use of the collection system for storage? Describe below	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tidegates maintenance/repairs/replacement	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
FCG program	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Removal of small systems bottlenecks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sewer cleaning and sediment removal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Removal of flow obstructions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regulator or weir adjustment - list locations below	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
In-line storage: Inflatable dams or sluice gates	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wet Weather Operating Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do the municipalities within the combined sewer system have a water conservation program for homeowners?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
In the upcoming year are there any studies, work, or projects planned (other than routine activities) to improve use of collection system for storage? Describe below.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p><b>DESCRIBE BELOW HOW THIS BMP IMPLEMENTATION HAS MET THE REQUIREMENTS OF THE SPDES PERMIT, AND THE OBJECTIVES OF THE EPA NINE MINIMUM CONTROLS. (Attach extra sheet if necessary)</b></p> <p>Because of high lake levels in 2017 we raised the weir level in 002 to prevent lake inflow. This also expanded our capturable quantity. In 2018 we increased the height of the Detention Basin tank which increased the capturable amount to 0.7 MG per event.</p> <p>Wet Weather Operating Plan was updated in 2016 and again in 2017.</p>			

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<b>3. Industrial Pretreatment</b> 6 NYCRR 750-2.7(f) and 2.9(a)(4 ) (EPA NMC: Review and Modify Pretreatment Requirements) <input type="checkbox"/> N/A	YES	NO	N/A
Has the impact on CSOs from nondomestic users that discharge toxic pollutants been evaluated, and steps taken to minimize such impacts?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is there an approved pretreatment or mini-pretreatment program?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If there is no pretreatment or mini-pretreatment program, are there any nondomestic users? If No to both of the previous questions, go to BMP 4	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is there an inventory of industrial dischargers? Is the following information included?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Volume of discharge?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pollutants in discharge?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are any pollutants classified as "persistent toxics" or bioaccumulative?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the location included on the collection system map?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are there any industrial discharges that could reach CSO outfalls?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If yes, have any industrial dischargers been identified as contributing to a water quality impairment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If yes, does the industry have a holding tank or EQ tank to store wastewater prior to discharge to the collection system?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If yes, does the industry have a written plan to store or hold discharges during rain events?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, has the industry been asked to prepare a written plan to store or hold discharges?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
In the past year, have there been negotiations or changes to agreements with industrial dischargers which will potentially reduce impacts during CSO events? Describe below.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
In the upcoming year, are any negotiations or changes to agreements with industrial dischargers planned which will potentially reduce impacts during CSO events? Describe below.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p><b>DESCRIBE BELOW HOW THIS BMP IMPLEMENTATION HAS MET THE REQUIREMENTS OF THE SPDES PERMIT, AND THE OBJECTIVES OF THE EPA NINE MINIMUM CONTROLS. (Attach extra sheet if necessary)</b></p> <p>2014 Work - Removed illegally connected sanitary sewer to Harbor Brook Storm Sewer on East 10½ Street.          - Replaced an existing sanitary sewer in East 10½ Street for five (5) residential dwellings with a new sanitary sewer and connected the new sanitary sewer to an existing sanitary sewer in East Seneca Street. This work was completed in 2014.</p> <p>2015 Work - Towards the end of 2015 we sat down with DEC to further discuss Harbor Brook Storm Sewer pertaining to sanitary sewer connections. In 2017 an SSES was performed on Harbor Brook. A report was filed with DEC December 2017 by CH2M Engineering per consent order. Waiting for DEC response.</p>			

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4. Maximize Flow to POTW 6 NYCRR 750-2.7(f), 2.8(a)(2), and 2.8(a)(5) (EPA NMC: Maximum Flow to POTW for Treatment) N/A	YES	NO	N/A
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?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
In the past year, were the secondary treatment works able to treat the flows specified in the permit for all wet weather flows?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If the answer to either of the above questions was No, has a plan and schedule to accomplish this been submitted to the Department?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
In the past year have there been any physical modifications to the collection system which have allowed more flow to reach the PCTW? Describe below.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Are any physical modifications planned for the upcoming year?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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? List below	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
In the past year, have any new problem areas been identified that restrict flow to the plant? List locations below	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
In the upcoming year, are there plans to address hydraulic restrictions or bottlenecks?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pipe replacement	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Construction of relief sewer	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Construction of overflow tank	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pump station improvements	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pump replacement	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Weir adjustment	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Smoke testing, dye testing to identify illicit connections	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DESCRIBE BELOW HOW THIS BMP IMPLEMENTATION HAS MET THE REQUIREMENTS OF THE SPDES PERMIT, AND THE OBJECTIVES OF THE EPA NINE MINIMUM CONTROLS. (Attach extra sheet if necessary)			

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5. Wet Weather Operating Plan (WWOP) 6 NYCRR 750-2.8(a) (EPA NMC: None)		YES	NO	N/A
Has a WWOP been developed, specifying procedures for unit operations, to maximize treatment during wet weather events while not diminishing effluent quality or destabilizing treatment upon return to dry weather operation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
In the past year, did treatment of wet weather flows cause any effluent violations or destabilize treatment upon return to normal service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Has the WWOP been developed in accordance with the DEC guidance, "Wet Weather Operating Practices for POTWs with Combined Sewers"? If no, describe changes needed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Has the WWOP been submitted to the Regional Office and Bureau of Water Permits (Albany) for review and approval?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If the collection system or plant has been modified or upgraded, has the WWOP been modified to reflect new flow rates or new procedures?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If yes, has the revised plan been submitted to the Regional Office for approval?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Does the plan identify the maximum flows through preliminary, primary, secondary treatment, tertiary, and disinfection units?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
In the upcoming year, are changes to the plan expected?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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6. Prohibition of Dry Weather Overflows 6 NYCRR 750-2.7 and 2.8(b)(2) (EPA NMC: Eliminate Dry Weather Overflows) N/A	YES	NO	N/A
In the past year, were there any dry weather overflows? If no, skip to BMP 7.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Were all dry weather overflows reported in accordance with 6 NYCRR Part 750-2.7 (incident reporting)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If dry weather overflows occurred, indicate which procedures or equipment have been improved or replaced	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Schedule for routine inspections	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Management, operation and maintenance program	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Modification of existing or issuance of new inter-municipal agreements	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
FOG program	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Removal of illicit connections	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
I/I Control program	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Leaky tidegates	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Adjustment and/or repair of regulators	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pumps	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Auxiliary power	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Elimination of hydraulic bottlenecks	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Adequate dry weather flow capacity at the treatment plant	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other, list below.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has additional staff training been provided?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has the likelihood of future dry weather overflows been eliminated? If not, describe additional information below.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p><b>DESCRIBE BELOW HOW THIS BMP IMPLEMENTATION HAS MET THE REQUIREMENTS OF THE SPDES PERMIT, AND THE OBJECTIVES OF THE EPA NINE MINIMUM CONTROLS. (Attach extra sheet if necessary)</b></p> <p>2015 - A new backup diesel generator was installed to replace our 44 year old unit.</p> <p>By October 2016 Main Lift Pump control panel and level sensors were replaced and all SCADA back up power supplies were replaced.</p>			

BMP 6 Prohibition of Dry Weather Overflows

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<b>7. Control of Floatables and Settleable Solids 6 NYCRR 750-2.8(a)(4)</b> <i>(EPA NMC: Cont. ol of Solid and Floatable Materials in CSOs)</i>	<input type="checkbox"/> N/A	<b>YES</b>	<b>NO</b>	<b>N/A</b>
In the past year, were did any outfalls discharge floating solids, oil and grease, or solids of sewage origin?		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Have BMPs been implemented to eliminate or minimize the discharge of floatables and settleable solids?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have any of the following measures been implemented (either existing from previous years, in the past year) or will any be implemented in the upcoming year? If significant progress has been made in implementing these, or if significant improvements have occurred, describe below.		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Floatables quantification		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Booming and skimming of open waters		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Source controls street cleaning, public education, household hazardous waste collection, solid waste collection, recycling, and/or composting of lawn/leaf/roadkill deer)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
In-line netting		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Screens		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Catch basin hoodls		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other:		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Are any changes needed or planned for the upcoming year? Describe additional information below.		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p><b>DESCRIBE BELOW HOW THIS BMP IMPLEMENTATION HAS MET THE REQUIREMENTS OF THE SPDES PERMIT, AND THE OBJECTIVES OF THE EPA NINE MINIMUM CONTROLS. (Attach extra sheet if necessary)</b></p> <p>See attached street sweeping letter.</p>				

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8. Combined Sewer System Replacement 6 NYCRR 750-2.10(i) (EPA NMC: None) <input type="checkbox"/> N/A	YES	NO	N/A
In the past year, were any combined sewers designed or constructed that were not approved by DEC?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, was the combined sewer replaced by separate sanitary and storm sewers to the greatest extent possible?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If yes, were the separate sanitary and storm sewers designed and constructed simultaneously but without interconnections to the maximum extent practicable?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is the combined portion of the collection system completely identified on maps or GIS?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are there any plans or current projects to separate combined sewers into sanitary and storm sewers?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there an approved engineering plan for this project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
In the past year, how many areas of combined sewer were separated? acres			
In the upcoming year, how many areas of combined sewer are scheduled to be separated? acres			
Are the sewer replacement projects on schedule? If no, describe below.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overall, has the implementation of this BMP resulted in fewer overflow events and/or less volume discharged? Describe below.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p><b>DESCRIBE BELOW HOW THIS BMP IMPLEMENTATION HAS MET THE REQUIREMENTS OF THE SPDES PERMIT, AND THE OBJECTIVES OF THE EPA NINE MINIMUM CONTROLS. Attach extra sheet if necessary)</b></p> <p>We have had fewer overflows from Outfall #002.</p> <p>2014 and 2015 we had a total of 4 each year.</p> <p>In 2016 we had 3 but the volume was higher.</p> <p>In 2017 we had 13 but precipitation was extremely high during the year.</p> <p>In 2018 we had 3 events with one high volume event due to snowmelt and rain in January.</p>			

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12. Control of Runoff 6 NYCRR750- 2.1(e) (EPA NMC: None) <input type="checkbox"/> N/A	YES	NO	N/A
Is sediment in runoff from construction zones entering catch basins in the combined sewer system?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there adequate communication between the local municipal department that enforces local stormwater codes and ordinances and the collection system staff regarding stormwater runoff?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do the municipalities within the combined sewer system have adequate storm water pollution prevention programs to reduce pollutants in stormwater?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Annual household hazardous waste collection	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Autumn leaf collection	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lawn clippings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Christmas tree pickup	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Roadkill deer composting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fertilizer and pesticide management	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Enforcement of litter laws	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public education programs on composting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

DESCRIBE BELOW HOW THIS BMP IMPLEMENTATION HAS MET THE REQUIREMENTS OF THE SPDES PERMIT, AND THE OBJECTIVES OF THE EPA NINE MINIMUM CONTROLS. Attach extra sheet if necessary)

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13. Public Notification 6 NYCRR 750-1.12 (EPA NMC: Public Notification) <input type="checkbox"/> N/A	YES	NO	N/A
Have identification signs been installed and maintained at all CSO outfalls owned and operated by the permittee?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are all signs placed at or near the outfall?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are the signs easily readable by the public?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are the signs a minimum size of 18" by 24"?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do the signs have white letters on a green background?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do all the signs contain the following information:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SPDES permit number	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Outfall number	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Permittee name contact name and phone number at business office or NYSDEC Division of Water regional contact address and phone number	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
For waters that are Class 3 or higher, Is a public notification program implemented to inform citizens of the location and occurrence of CSO events?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does this program include a mechanism (public media broadcast, standing beach advisories, newspaper notice, etc) to alert potential users of the receiving waters affected by CSOs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does this program include a system to determine the nature and duration of conditions that are potentially harmful to users of these receiving waters due to CSOs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were there any problems in the past year with missing or damaged signs? Describe below.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there a written public notification plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Does the plan list all methods used to notify the public of CSO events?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does the plan list outfalls where signs are posted?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

DESCRIBE BELOW HOW THIS BMP IMPLEMENTATION HAS MET THE REQUIREMENTS OF THE SPDES PERMIT, AND THE OBJECTIVES OF THE EPA NINE MINIMUM CONTROLS. Attach extra sheet if necessary)

NY Alert Notification System is utilized as the public notification method.

PERMITTEE NAME: City of Oswego

SPDES PERMIT No.: NY-0029114

**PART III - CSO BEST MANAGEMENT PRACTICES**

14. Characterization and Monitoring (6 NYCRR 750-1.11(a), 2.5(a) and 2.7(g)) (EPA NMC: Monitoring)	YES	NO	N/A
If required in the permit, has the combined sewer system been characterized to determine the frequency of overflows, and identify CSO impacts?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Was a baseline sampling program established as part of the LTCP development?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Are all outfalls monitored during discharge events for:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flow Volume:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Frequency:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Duration:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If all outfalls are not monitored, explain how sufficient data is obtained to document the success of the BMPs.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
List locations of rain gauges or the source of data, below.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has a Post Construction Modeling and Monitoring plan been submitted to the Department for review and approval?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Has the Department approved the Post Construction Modeling and Monitoring plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Has post construction monitoring and modeling of the receiving water begun? Attach results if this has not already been provided.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p><b>DESCRIBE BELOW HOW THIS BMP IMPLEMENTATION HAS MET THE REQUIREMENTS OF THE SPDES PERMIT, AND THE OBJECTIVES OF THE EPA NINE MINIMUM CONTROLS. (Attach extra sheet if necessary)</b></p> <p>Was a baseline sampling program established as part of the LTCP development? No baseline sampling program was established, utilizing 2013 data.</p> <p>Source of rain data: Wunderground.com (Weather Station at Oswego County Airport)</p> <p>Has the Department approved the Post Construction Modeling and Monitoring plan? PCCM submitted in September 2012. Was approved on March 7, 2017.</p>			



**Tom Kells**

Commissioner ~ Department of Public Works

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January 29, 2020

To: Robert Johnson, City Engineering Department

From: Tom Kells, Department of Public Works

Re: Street Sweeping

Street sweeping is done on a continual basis beginning in late March until late October, weather permitting.

The sweeping is done as follows: We first use loaders and unloaders to scrape up sand from the streets which was deposited over the winter. Then, two sweepers begin sweeping the streets starting south of the City and working north until all streets are done. We then start the process over again continuing throughout the year.

City catch basins are cleaned regularly starting in late March until late October, weather permitting. We start by cleaning catch basins on all of the hills on both sides of the City. We then work on the less hilly areas and finally the flat areas. We clean 50% of all catch basins per year. Those that are not done that year will be done first when we get into that area the following year.

All City sanitary lift stations are checked on a daily basis for problems. They are maintained on a quarterly basis for preventative maintenance (degassed & cleaned), with the hours being recorded each time. Twice per year the pumps are pulled out and the oil is changed, they are checked for any problems and the pits are scraped and cleaned.

All City sanitary and storm mains are cleaned on an as-needed basis when we are notified of a problem.

TK/kag

Cc: Honorable Mayor, William Barlow Jr  
Mr. Craig Rebec, Sewer Maintenance Supervisor  
Mr. Kenneth Scherrieble, Superintendent of Wastewater Treatment  
File