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

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January 27, 2021

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, 2020. 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-EFMF, #003-Riverwalk & #004-SSO discharge to Gardenier Creek) and NY0029114 (Outfall #002-Detention Basin).

In summary, during 2020 there were 9 CSO/SSO events reported to the public from four outfalls as follows:

1. 2 overflows from Westside Gardiner Creek SSO outfall 004;
2. 4 overflows from Westside EFMF SPDES permitted CSO outfall 002;
3. 0 from Riverwalk SPDES CSO outfall 003 and;
4. 3 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/BMP Reporting for NY0029106 and NY0029114 provide the remaining information for this submission.

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

Sincerely,

Kenneth Scherrieble
Superintendent of Wastewater Treatment

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

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. CSO Outfall 003 & SSO 004 are untreated.

CSO #002 - EFMF

DATE	LOCATION	DURATION	VOLUME MG	WEEKLY RAINFALL/ SNOWMELT	CAUSE
01/3/20	EFMF 002	30 MIN.	0.034 MG	1.32"	WET WEATHER
03/03/20	EFMF 002	6 HRS. 56 MIN.	0.94 MG	0.77"	WET WEATHER
04/30/20	EFMF 002	15 HRS. 54 MIN.	0.544 MG	2.15"	WET WEATHER
12/25/20	EFMF 002	11 HRS. 20 MIN.	0.265 MG	1.28"	WET WEATHER

Riverwalk CSO #003

2020
NO EVENTS

POTW SSO #004

04/30/20	SSO 004	11 HRS. 35 MIN.	0.435 MG	2.15"	WET WEATHER
12/25/20	SSO 004	3 HRS. 34 MIN.	0.24 MG	1.28"	WET WEATHER

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.

CSO #002 – DETENTION BASIN					
DATE	LOCATION	DURATION	VOLUME MGD	WEEKLY RAINFALL/ SNOWMELT	CAUSE
03/03/20	DB 002	3 HRS. 30 MIN.	0.10 MG	0.77“	WET WEATHER
04/30/20	DB 002	15 HRS. 1 MIN.	0.97 MG	2.15“	WET WEATHER
12/25/20	DB 002	10 HRS. 54 MIN.	0.58 MG	1.28”	WET WEATHER

TABLE 2
2020 Westside Excess Flow Management Data Summary (Outfall 002)
NY0029106

Date	Inf. TSS mg/l	Inf. TSS mg/l	Inf. BOD mg/l	Eff BOD mg/l	O&G mg/	Sett Slds mls/l		Fecal Coliform mpn/100	Entero-Cocci mpn/100	Chlorine Residual
						INF	EFF	Seasonal: June 1 – Sept. 30		
01/25/20	54	22	28.5	14.2	<5	0.6	<0.1	NA	NA	NA
03/03/20	204	142	40.6	17.8	<5	1.8	0.2	NA	NA	NA
04/30/20	422	180	62.8	19.8	<5	3.0	1.5	NA	NA	NA
12/25/20	90	30.4	28.6	9.0	<5	0.2	0.1	NA	NA	NA

2020 Eastside Detention Basin Data Summary (Outfall 002)
NY0029114

Date	Inf. TSS mg/l	Eff. TSS mg/l	Inf. BOD mg/l	Eff BOD mg/l	O&G mg/l	Sett Slds mls/l		Fecal Coliform mpn/100	Cl2 Res. mg/l	D. O. mg/l
						INF	EFF			
03/03/20	90	24.8	47.5	28	<5	1.0	<0.1	2419.6	0.01	5.20
04/30/20	468	74	209	53.5	5.3	19.0	0.1	150.2	<0.01	7.98
12/25/20	38	28.8	<20	14.9	<5	0.4	0.1	7.5	<0.01	9.90

Public Notification Requirements for Combined Sewer Overflows

Supplemental Information includes Annual Report for Best Management Practices for Combined Sewer Overflows

NY0029106

Part II - CSO LTCP Control Information

CSO Facility: Westside Wastewater Treatment Facility	Flow: 4.0 MGD

SECTION A: CSO LTCP GENERAL INFORMATION

LTCP Development/Implementation:

Check all that apply:		*Describe other controls currently being used or planned. Also describe how the objectives of the CSO Control Policy have been met.*
In Development	☐	During 2020, the City completed 99% of the 3rd Phase of Sewer Separation; 3rd Phase CSO Rehabilitation Investigations are 100% completed & the bidding process for Design of same, is in progress. Completion for both Separation and Rehabilitation is scheduled on or before November 1, 2021. The SCADA system at the Excess Flow Management Facilty (EFMF) was upgraded. Main Plant wet-weather design flow remains at 12 mgd.
Submitted	✔	
Approved	☐	
In Progress	✔	
Completed	✔	
Not Required	☐	

CSO Controls:

Check all that apply:		*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*
Source Controls	✔	Ongoing Sewer Maintenance & Wet-Weather Operating strategies provides for maximum capacity and flow to the Westside WWTP. Although low rainfall mitigated Wet Weather Event occurences at the EFMF in 2020, the 3rd phase of Sewer Separation was instrumental in limiting CSO's to 4 in number at Outfall #002. There were no CSO events at Outfall #003, during 2020. Wastewater Staff and DPW Crew perform regular checks of the #003 overflow vault to maintain cleaning and equipment integrity.
Collection System Controls	✔	
Storage Technologies	✔	
Treatment Technologies	☐	
Floatable Controls	✔	
Disinfection	☐	
Type: Chlorination and Dechlorination are seasonal June 1 through September 30 each year		

Post-Construction Compliance Monitoring (PCCM) Program:

Check all that apply:		*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 t objectives of the CSO Control Policy*
In Development	☐	Prelimnary monitoring and analysis was performed in 2010. A plan for followup Post Construction Monitoring to assess compliance with Performance Criteria is due on or before November 1, 2021 and a Post Construction Monitoring Report submitted on or before January 1, 2023.
Submitted	✔	
Approved	☐	
In Progress	✔	
Completed	☐	
Not Required	☐	

Part II - CSO LTCP Control Information

SECTION B: OUTFALL INFORMATION

List all existing and active CSO the outfalls. Attach extra sheets, if necessary.

Outfall #	Latitude	Longitude	Receiving Water/Classification	# of Regulators Associated with this Outfall	Type of Regulator(s) Associated with this Outfall (Fixed Dam, Float / Dynamic, Elevated Pipe, Wet Well Overflow, etc.)
002	43°27'38"	76°30'44"	Oswego River / Class C	1	Holding Tank Effluent Weir
003	43°27'27"	76°30'38"	Oswego River / Class C	1	Elevated Pipe Chamber

Part II - CSO LTCP Control Information

List all CSO the outfalls that have been closed or separated since LTCP development. Attach extra sheets, if necessary.

Outfall #	Latitude	Longitude	Receiving Water/Classification	Indicate Reason for Closure

PERMITTEE NAME: City of Oswego SPDES PERMIT NO.: NY-0029106

Part II - CSO LTCP Control Information

SECTION C: CSO EVENTS, DISCHARGE VOLUME, ETC. Provide an estimate or actual data on overflow events. If necessary, use a separate spreadsheet to report all CSO outfalls.

CSO Outfall #	No. of overflow events in the previous year		Total Annual CSO Volume Discharged (MG)		Total Annual Volume Captured or Diverted to POTW (MG)		# of CSO Outfalls		Indicate type of overflow measurements (e.g. metered, estimated, or modeled). *If other, please describe.*
	Baseline	Current	Baseline	Current	Baseline	Current	Baseline	Current	
002	32/2013	4/2020	44.6/2013	1.77/2020	4.80/2013	3.39/2020	1	1	Metered
003	4/2013	0/2020	* / 2013	0/2020	* / 2013	0/2020	1	1	* The flow measuring device for this outfall was out of service in 2013

Part II - CSO LTCP Control Information

CSO Outfall #	No. of overflow events in the previous year		Total Annual CSO Volume Discharged (MG)		Total Annual Volume Captured or Diverted to POTW (MG)		# of CSO Outfalls		Indicate type of overflow measurements (e.g. metered, estimated, or modeled). *If other, please describe.*
	Baseline	Current	Baseline	Current	Baseline	Current	Baseline	Current	
TOTAL									

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 8%
Approximate no. of miles of combined sewers in the permittee owned system	15 miles	4 miles	4 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.	* 4
Average annual CSO volume discharged from the permittee owned system (MG)	44.6 MG	<7 MG	1.77 MG
Population served by the permittee's owned system	16,350	16,350	16,350
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):

* Actual occurrences

The City of Oswego Department of Public Works maintains operation & maintenance of the City of Oswego Collection System.

Two satellite systems discharge their Sanitary Wastewater to the City of Oswego Westside Collection System: SUNY College at Oswego & the Ontario Heights Sanitary Sewer District. Operation and Maintenance of these two satellite systems is performed by SUNY & the Town of Oswego, respectively.

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):

The four combined Sewer Overflows which occurred during 2020 at CSO #002 (1/25,3/3,4/30 & 12/25) were wet-weather events. All permit requirements were in compliance and no water quality standards violated. Flow to the Treatment Plant was maximized & wet-weather event protocols implemented without incident.

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

CSO Control Projects:

Project # C7-6344-19-08 Oswego Combined Sewer Separation-3rd 25% (Phase 3) was 99% completed during 2020. Mandated completion date of this project is November 1, 2021.

Project # C7-6344-19-08 Oswego Combined Sewer Rehabilitation-3rd & 4th 25% (Phase 3) - During 2020, Investigations were 100% completed & design work is currently out for bid. Mandated completion date of this project is November 1, 2021.

Project # C7-6344-19-09 Oswego Combined Sewer Rehabilitation Area 3 - During 2020, Investigations were 100% completed & design work is currently out for bid. Mandated completion date of this project is November 1, 2021.

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 W. McGrath	**Official Title:** Chief Operator Westside WWTP	**Phone:** 315-342-3777
Signature: John W. McGrath	**Date Signed:** 1/25/21	**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?	✔		
Does the program include procedures for ALL outfalls in the permit?	✔		
Does the program include procedures for ALL regulators in the permit?	✔		
Are inspections conducted at least as frequently as required in the permit (weekly or monthly)?	✔		
Are inspections conducted during dry and wet weather?	✔		
Do the inspection reports indicate visual inspection, any observed flows, incidence of rain or snowmelt, condition of equipment, and any work required?	✔		
Are inspection reports submitted to the DEC regional office with the monthly operating reports?	✔		
Is the written program sufficiently detailed? Indicate which of the following additional components are included in the plan.	✔		
Pump Stations	✔		
Sewer cleaning	✔		
Sewer Manholes and Catch Basins			✔
Outfalls	✔		
CSO Controls	✔		
Are there inter-municipal agreements which require inspection and maintenance?		✔	
Are any changes planned in the upcoming year for the agreements to make them more effective?		✔	
Is the collection system mapped using GIS? *** See explanation of the following page**	✔		
Entire system, including manholes and catch basins?	✔		
In the past year, was significant mapping progress accomplished?		✔	
In the upcoming year, is GIS mapping planned?	✔		
Is the collection system monitored using a SCADA system?	✔		
In the past year, was significant progress accomplished in installing or expanding monitoring with a SCADA system?	✔		
In the upcoming year, is installation of a SCADA system planned or being expanded?	✔		
Does the municipality have an asset management plan that includes the collection system?	✔		
Are funds available to carry out the BMP requirements?	✔		
Are any major equipment purchases planned or expected in the next five years related to the BMP requirements? If yes, describe below **** See explanation on the following page**		✔	
Is the pump inventory, including spare parts, adequate for the upcoming year?	✔		
Is sufficient staff training available?	✔		

PERMITTEE NAME: City of Oswego SPDES PERMIT NO.: NY- 0029106

PART III - CSO BEST MANAGEMENT PRACTICES

	YES	NO	N/A
Is funding for training adequate and available?	✔		
Is sufficient staff training available?	✔		
Is funding for training adequate and available?	✔		
Have any work efforts or problems in the past year resulted in changes in overflows? If yes, describe below	✔		
Fewer events	✔		
Less volume	✔		
Reduction in floatables, settleable solids or oil and grease discharged	✔		
Reduction in industrial pollutants (chemicals) ***** See Explanation below**		✔	
Improvement in water quality of receiving waterbody	✔		
In the past year, was the inspection and maintenance program mostly:			
Reactive (responding to problems)		✔	
Proactive (focusing on preventative maintenance to avoid problems)?	✔		
If the program is mostly reactive, describe below any plans to shift the emphasis to prevention			✔

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)

* The Department of Public Works is working toward GIS plotting of the CSO. A small amount of work has been undertaken and GIS plotting will eventually be in place.

** During 2020, the SCADA System was upgraded at the EFMF (Outfall #002), which included upgrades to the signal tramsmitter installed on Outfall #003. Also, replacement of the Drive Systems on the two Screw Pumps commenced in 2020 and completed in January 2021.

*** There are no Industrial Users connected into the Westside Collection System. User perrmitted Hauled Wastewater is received from Oswego County (Landfill Leachate) & Champlain Valley Specialties (Apple production wastewater) All permit requirements are in compliance.

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?	✔		
Has the hydraulic capacity of the system been evaluated?	✔		
Is there a continuous program of flushing and cleaning to prevent deposition of solids?	✔		
Have regulators and weirs been adjusted to maximize storage without causing service backups?			✔
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		✔	
Tidegates maintenance/repairs/replacement		✔	
FOG program		✔	
Removal of small systems bottlenecks		✔	
Sewer cleaning and sediment removal	✔		
Removal of flow obstructions		✔	
Regulator or weir adjustment - list locations below		✔	
In-line storage: Inflatable dams or sluice gates		✔	
Wet Weather Operating Plan	✔		
Do the municipalities within the combined sewer system have a water conservation program for homeowners?		✔	
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.		✔	

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)

PERMITTEE NAME: City of Oswego SPDES PERMIT NO.: NY- 0029106

PART III - CSO BEST MANAGEMENT PRACTICES

3. Industrial Pretreatment *6 NYCRR 750-2.7(f) and 2.9(a)(4)* *(EPA NMC: Review and Modify Pretreatment Requirements)* ☐ 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?	☐	☐	✔
Is there an approved pretreatment or mini-pretreatment program?	✔	☐	☐
If there is no pretreatment or min-pretreatment program, are there any nondomestic users? If No to both of the previous questions, go to BMP 4	☐	☐	✔
Is there an inventory of industrial dischargers? Is the following information included:	✔	☐	☐
Volume of discharge?	✔	☐	☐
Pollutants in discharge?	✔	☐	☐
Are any pollutants classified as "persistent toxics" or bioaccumulative?	☐	✔	☐
Is the location included on the collection system map?	✔	☐	☐
Are there any industrial discharges that could reach CSO outfalls? *** See Comment below**	☐	✔	☐
If yes, have any industrial dischargers been identified as contributing to a water quality impairment?	☐	☐	✔
If yes, does the industry have a holding tank or EQ tank to store wastewater prior to discharge to the collection system?	☐	☐	✔
If yes, does the industry have a written plan to store or hold discharges during rain events?	☐	☐	✔
If yes, has the industry been asked to prepare a written plan to store or hold discharges?	☐	☐	✔
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.	☐	✔	☐
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.	☐	✔	☐

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)

* The EFMF where CSO Outfall #002 is located also serves as the main discharge location for hauled waste from Oswego County & Champlain Valley Specialties. However, hauled waste discharges are prohibited during wet weather events to ensure that this wastewater does not affect the combined wastewater stream that could find its way to the outfall, if sufficient stormwater was entering the facility. Also, there is no Industry discharging into the Westside Sewer System.

PERMITTEE NAME: City of Oswego SPDES PERMIT NO.: NY- 0029106

PART III - CSO BEST MANAGEMENT PRACTICES

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?	✔		
In the past year, was the secondary treatment works able to treat the flows specified in the permit for all wet weather flows?	✔		
If the answer to either of the above questions was No, has a plan and schedule to accomplish this been submitted to the Department?			✔
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.		✔	
Are any physical modifications planned for the upcoming year?		✔	
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		✔	
In the past year, have any new problem areas been identified that restrict flow to the plant? List locations below *** See Comments below**	✔		
In the upcoming year, are there plans to address hydraulic restrictions or bottlenecks?		✔	
Pipe replacement	✔		
Construction of relief sewer		✔	
Construction of overflow tank		✔	
Pump station improvements		✔	
Pump replacement		✔	
Weir adjustment		✔	
Smoke testing, dye testing to identify illicit connections	✔		
Other:			✔

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)

Project # C7-6344-19-08 Oswego Combined Sewer Separation-3rd 25% (Phase 3) was 99% completed during 2020. Mandated completion date of this project is November 1, 2021.

Project # C7-6344-19-08 Oswego Combined Sewer Rehabilitation-3rd & 4th 25% (Phase 3) - During 2020, Investigations were 100% completed & design work is currently out for bid. Mandated completion date of this project is November 1, 2021. Included smoke testing

Project # C7-6344-19-09 Oswego Combined Sewer Rehabilitation Area 3 - During 2020, Investigations were 100% completed & design work is currently out for bid. Mandated completion date of this project is November 1, 2021. Included smoke testing.

PERMITTEE NAME: City of Oswego SPDES PERMIT NO.: NY- 0029106

PART III - CSO BEST MANAGEMENT PRACTICES

5. Wet Weather Operating Plan (WWOP) *6 NYCRR 750-2.8(a) (EPA NMC: None)* ☐ 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?	✔		
In the past year, did treatment of wet weather flows cause any effluent violations or destabilize treatment upon return to normal service?	✔		
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.	✔		
Has the WWOP been submitted to the Regional Office and Bureau of Water Permits (Albany) for review and approval?	✔		
If the collection system or plant has been modified or upgraded, has the WWOP been modified to reflect new flow rates or new procedures?		✔	
If yes, has the revised plan been submitted to the Regional Office for approval?			✔
Does the plan identify the maximum flows through preliminary, primary, secondary treatment, tertiary, and disinfection units?	✔		
In the upcoming year, are changes to the plan expected?	✔		

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)

The Wet Weather Operating Plan undergoes routine review and modification as each event creates new challenges and presents new insight. In 2020, extra onsite storage space became available, subsequent to the renovation of slide gates to 2 aeration basins was completed. These tanks, in addition to primary & secondary tank availability provide staff with the opportunity for flow equalization duriny wet-weather events. Approval for additional staff persons to be available during events is also in place to maximize the effective action required to manage all systems.

Additional monitoring is also being employed to determine how best to manage flows through primary, secondary & tertiary tanks to achieve maximum treatment efficiency and Permit compliance.

PERMITTEE NAME: City of Oswego SPDES PERMIT NO.: NY- 0029106

PART III - CSO BEST MANAGEMENT PRACTICES

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.	☐	☑	☐
Were all dry weather overflows reported in accordance with 6 NYCRR Part 750-2.7 (incident reporting)?	☐	☐	☑
If dry weather overflows occurred, indicate which procedures or equipment have been improved or replaced	☐	☐	☑
Schedule for routine inspections	☐	☐	☑
Management, operation and maintenance program	☐	☐	☑
Modification of existing or issuance of new inter-municipal agreements	☐	☐	☑
FOG program	☐	☐	☑
Removal of illicit connections	☐	☐	☑
I/I Control program	☐	☐	☑
Leaky tidegates	☐	☐	☑
Adjustment and/or repair of regulators	☐	☐	☑
Pumps	☐	☐	☑
Auxiliary power	☐	☐	☑
Elimination of hydraulic bottlenecks	☐	☐	☑
Adequate dry weather flow capacity at the treatment plant	☐	☐	☑
Other, list below	☐	☐	☑
Has additional staff training been provided?	☐	☐	☑
Has the likelihood of future dry weather overflows been eliminated? If not, describe additional information below.	☐	☐	☑

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)

PERMITTEE NAME: City of Oswego SPDES PERMIT NO.: NY- 0029106

PART III - CSO BEST MANAGEMENT PRACTICES

7. **Control of Floatables and Settleable Solids** *6 NYCRR 750-2.8(a)(4)* *(EPA NMC: Control of Solid and Floatable Materials in CSOs)* ☐ N/A	YES	NO	N/A
In the past year, were did any outfalls discharge floating solids, oil and grease, or solics of sewage origin?	☐	✔	☐
Have BMPs been implemented to eliminate or minimize the discharge of floatables and settleable solids?	✔	☐	☐
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.	✔	☐	☐
Floatables quantification	☐	✔	☐
Booming and skimming of open waters	☐	✔	☐
Source controls (street cleaning, public education, household hazardous waste collection, solid waste collection, recycling, and/or composting of lawn/leaf/roadkill deer) * **See comment below**	✔	☐	☐
In-line netting	☐	✔	☐
Screens	☐	✔	☐
Catch basin hoods	☐	✔	☐
Other:	☐	✔	☐
Are any changes needed or planned for the upcoming year? Describe additional information below.	☐	✔	☐

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)

* See attached letter from the Superintendent of Public Works Department

PERMITTEE NAME: City of Oswego SPDES PERMIT NO.: NY- 0029106

PART III - CSO BEST MANAGEMENT PRACTICES

8. **Combined Sewer System Replacement** *6 NYCRR 750-2.10(i) (EPA NMC: None)* ☐ N/A	YES	NO	N/A
In the past year, were any combined sewers designed or constructed that were not approved by DEC?	☐	✔	☐
If yes, was the combined sewer replaced by separate sanitary and storm sewers to the greatest extent possible?	☐	☐	✔
If yes, were the separate sanitary and storm sewers designed and constructed simultaneously but without interconnections to the maximum extent practicable?	☐	☐	✔
Is the combined portion of the collection system completely identified on maps or GIS?	✔	☐	☐
Are there any plans or current projects to separate combined sewers into sanitary and storm sewers?	✔	☐	☐
Is there an approved engineering plan for this project?	✔	☐	☐
In the past year, how many areas of combined sewer were separated? **47.6** acres			
In the upcoming year, how many areas of combined sewer are scheduled to be separated? **0** acres			
Are the sewer replacement projects on schedule? If no, describe below.	✔	☐	☐
Overall, has the Implementation of this BMP resulted in fewer overflow events and/or less volume discharged? Describe below.	✔	☐	☐

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)

There were 4 Overflow events in 2020, which occurred at Outfall #002. Although the rainfall was somewhat below normal, the completed 3rd phase of Sewer Separation, assuredly, lessened overflow events. There were 0 occurrences regarding Outfall #003.

PERMITTEE NAME: City of Oswego SPDES PERMIT NO.: NY- 0029106

PART III - CSO BEST MANAGEMENT PRACTICES

9. **Combined Sewer Extension** *6 NYCRR 750-2.10(i) (EPA NMC: None)* ☐ **N/A**	YES	NO	N/A
In the past year, were any combined sewers extended not using separate sewers?	☐	☑	☐
Were sanitary and storm sewers extensions designed and constructed simultaneously but without interconnections?	☐	☐	☑
Were any new sources of stormwater added to a separate sewer anywhere in the collection system? *	☑	☐	☐
If separate sewers were extended from combined sewers, was it demonstrated that the sewerage system had the ability to convey, and the treatment plant had the ability to adequately treat, the increased dry-weather flows?	☐	☐	☑
If determined necessary by the Regional Water Engineer, was an assessment made of the effects of the increased flow of sanitary sewage or industrial waste on the strength of CSOs and their frequency of occurrence, including the impacts upon best usage of the receiving water?	☐	☐	☑
Has a recent combined sewer extension resulted in increased discharge from a CSO?	☐	☐	☑
Has a recent combined sewer extension resulted in increased flow to the POTW? Describe any CSO impacts below.	☐	☐	☑
Is any development planned upstream of a combined sewer? **	☑	☐	☐
If yes, has a sewer extension plan been submitted for review and approval?	☑	☐	☐
If the approval contained a flow credit requiring removal of I/I, what was the requirement or ratio?	☐	☐	☑
Does the plan include any flow retention structures?	☐	☑	☐

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)

* The Oswego City School District has constructed a new turf stadium and parking facility that increases the amount of stormwater added to an existing separated stormwater sewer.

** A housing project called "Harbor View" is under construction in an area upstream of a combined sewer. The site stormwater system has been installed to drain to existing separated stormwater sewer. The site sanitary system has been installed to an existing separate sanitary sewer.

PERMITTEE NAME: City of Oswego SPDES PERMIT NO.: NY- 0029106

PART III - CSO BEST MANAGEMENT PRACTICES

10. **Connection Prohibitions** *6 NYCRR750-2.9(a)(5) (EPA NMC: None)* ☐ **N/A**	YES	NO	N/A
In the past year, were any sewer connections approved, in spite of a notice from DEC to prohibit further connections due to documented, recurrent instances of sewage backing up into house(s) or discharges of raw sewage onto the ground surface from surcharging manholes?	☐	✔	☐
Are new connections prohibited by the DEC? If no, skip to BMP 11.	☐	✔	☐
Is this due to basement backups?	☐	☐	✔
Is this due to surcharging manholes?	☐	☐	✔
In the upcoming year, is any work planned to either increase capacity or reduce hydraulic loading? Describe below.	☐	☐	✔

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)

PERMITTEE NAME: City of Oswego SPDES PERMIT NO.: NY- 0029106

PART III - CSO BEST MANAGEMENT PRACTICES

11. **Septage and Hauled Waste** *6 NYCRR750-2.7(f) and 2.8(a)(1) (EPA NMC: None)* ☐ **N/A**	YES	NO	N/A
In the past year, has there been any discharge or release of septage or hauled waste into the collection system upstream of a CSO?	✔		
Does the facility have authorization from DEC to accept hauled waste or septage at a location other than the POTW? Describe below.	✔		
Are any of these locations upstream of a CSO?	✔		
Are there any agreements with haulers to accept waste at a location other than at the POTW?	✔		
In the past year, was any hauled waste or septage accepted at a location other than at the POTW?	✔		
What was the total volume received at locations other than the POTW? **See comment below**	✔		
Is there a dedicated location to discharge septage at the POTW?	✔		
Are there restrictions on when the plant accepts hauled waste or septage?	✔		
Have there been any changes to the POTW's policy on septage and hauled waste in the past year? Are any changes needed or planned in the upcoming year?	✔		

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)

All hauled wastes are received at the EFMF in a designated area, with containment. All discharges are prohibited during wet-weather events to ensure that this wastewater does not become part of the Combined Stream that could be discharged from CSO #002. Haulers are normally allowed to discharge Monday-Friday, 7:00 am - 2:15 pm. IF necessary, other arrangements can be made, with the approval of the Superintendent or his designee. The total gallons of hauled wasted recieved during 2020 was 15,188,500 gallons.

Although the Westside POTW has an approved location with containment for receiving hauled wastes, it would only be used in case of an emergency. There were no discharges of wastewater at the POTW.

PERMITTEE NAME: City of Oswego SPDES PERMIT NO.: NY- 0029106

PART III - CSO BEST MANAGEMENT PRACTICES

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

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)

* Whereas roadkill deer composting is not performed, all roadkill is quickly removed by the DPW and is disposed of properly through the Animal Control Department.

PERMITTEE NAME: City of Oswego SPDES PERMIT NO.: NY- 0029106

PART III - CSO BEST MANAGEMENT PRACTICES

13. **Public Notification** *6 NYCRR 750-1.12 (EPA NMC: Public Notification)* ☐ N/A	YES	NO	N/A
Have identification signs been installed and maintained at all CSO outfalls owned and operated by the permittee?	✔		
Are all signs placed at or near the outfall?	✔		
Are the signs easily readable by the public?	✔		
Are the signs a minimum size of 18" by 24"?	✔		
Do the signs have white letters on a green background?	✔		
Do all the signs contain the following information:	✔		
SPDES permit number	✔		
Outfall number	✔		
Permittee name, contact name and phone number at business office or NYSDEC Division of Water regional contact address and phone number	✔		
For waters that are Class B or higher, is a public notification program implemented tc inform citizens of the location and occurrence of CSO events?			✔
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?			✔
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?			✔
Were there any problems in the past year with missing or damaged signs? Describe below.		✔	
Is there a written public notification plan? *	✔		
Does the plan list all methods used to notify the public of CSO events?	✔		
Does the plan list outfalls where signs are posted?	✔		

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)

* Discharge Monitoring Reports for CSO Outfall #002 are avaiable for viewing at the City of Oswego Office of the Clerk.

* All discharge events from CSO Outfall #003 would be published using the NY Alert Website.

PERMITTEE NAME: City of Oswego SPDES PERMIT NO.: NY- 0029106

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?	✔		
Was a baseline sampling program established as part of the LTCP development?	✔		
Are all outfalls monitored during discharge events for:	✔		
Flow Volume:	✔		
Frequency:	✔		
Duration:	✔		
If all outfalls are not monitored, explain how sufficient data is obtained to document the success of the BMPs.			✔
List locations of rain gauges or the source of data, below. *	✔		
Has a Post Construction Modeling and Monitoring plan been submitted to the Department for review and approval? **	✔		
Has the Department approved the Post Construction Modeling and Monitoring plan?	✔		
Has post construction monitoring and modeling of the receiving water begun? Attach results if this has not already been provided. **	✔		

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)

Rainfall data is collected from a weather station at Oswego County Airport. Wunderground.com

The Post Construction Modeling & Monitoring plan was initially submitted to NYSDEC on September 24, 2012, but not approved as noted in DEC Correspondence dated April 22, 2013. Subsequently, a revised PCCM program was submitted, which was approved on June 21, 2013. A plan for followup Post Construction Monitoring to assess compliance with Performance Criteria is due on or before November 1, 2021 and a Post Construction Monitoring Report submitted on or before January 1, 2023.

PERMITTEE NAME: City of Oswego SPDES PERMIT NO.: NY- 0029106

PART III - CSO BEST MANAGEMENT PRACTICES

15. **Annual report** *6 NYCRR 750-2.1(i)* ☐ **N/A** *(EPA NMC: None; Required in LTCP permit)*	YES	NO	N/A
Is this report being used to satisfy BMP 15, Annual report, and the BMP checklist?	✔		
Is existing documentation of implementation of the BMPs included?		✔	
Is this annual report submitted by January 31 to the Regional Office and the Bureau of Water Permits (Albany)?	✔		
Attach any additional information necessary to document the implementation of BMPs in the past year or list plans for the upcoming year.			✔
Overall, was implementation of the BMPs effective in controlling and minimizing CSO discharges?	✔		
If no, list any improvements needed that have not been described elsewhere			✔

PERMITTEE NAME: City of Oswego SPDES PERMIT NO.: NY- 0029106

PART III - CSO BEST MANAGEMENT PRACTICES

ADDITIONAL INFORMATION:

DESCRIBE BELOW IN DETAIL OTHER "MEASURE OF SUCCESS" ABOVE AND BEYOND THE REQUIREMENTS OF THE SPDES PERMIT. DESCRIBE HOW ADDITIONAL PROJECT(S) HAS HELPED TO MEET THE OBJECTIVES OF THE EPA NINE MINIMUM CONTROLS POLICY. (Attach extra sheet if necessary)

PERMITTEE NAME: City of Oswego SPDES PERMIT NO.: NY-0029106

PART III - CSO BEST MANAGEMENT PRACTICES

SECTION D: For Multiple Permittees Only

Permittee Name	SPDES Permit Name	SPDES Permit No

Tom Kells

Commissioner ~ Department of Public Works

January 15, 2021

To: Jeff Hinderliter, City Engineer

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 uniloaders 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 (degreased & cleaned), with the hours being recorded each time. Twice per year the pumps are pulled out and the oil is changed, they are check 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 Rebeor, Sewer Maintenance Supervisor
Mr. Kenneth Scherrieble, Superintendent of Wastewater Treatment
File

Public Notification Requirements for Combined Sewer Overflows

Supplemental Information includes Annual Report for Best Management Practices for Combined Sewer Overflows

NY0029114

Part II - CSO LTCP Control Information

CSO Facility: Eastside Wastewater Treatment Plant	Flow: 5.35 MGD

SECTION A: CSO LTCP GENERAL INFORMATION

LTCP Development/Implementation:

Check all that apply:		*Describe other controls currently being used or planned. Also describe how the objectives of the CSO Control Policy have been met.*
In Development	☐	The 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 Wastewarter Treatment Facility. The single CSO located within the Facility grounds is monitored between the hours of 7 am - 3 pm, Monday-Friday & Saturday-Sunday 7 - 11 am, by staff onsite and during off hours through our Supervisory Control and Data Acquisition (SCADA) system.
Submitted	☐	
Approved	☐	
In Progress	☐	
Completed	☑	
Not Required	☐	

CSO Controls:

Check all that apply:		*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*
Source Controls	☑	
Collection System Controls	☑	
Storage Technologies	☐	
Treatment Technologies	☐	
Floatable Controls	☑	
Disinfection	☑	
Type: Sodium Hypo		

Post-Construction Compliance Monitoring (PCCM) Program:

Check all that apply:		*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 t objectives of the CSO Control Policy*
In Development	☐	The City of Oswego's initial PCCM was submitted in September 2012, but was deemed incomplete in correspondence from NYSDEC, dated June 28, 2013. Subsequent meetings with DEC ensued, in addition to mutual correspondence between both parties. At present, the PCCM is 95% approved, with the remaining item, Lake Ontario In-Lake Sampling location, to be addressed. The last pieces of correspondence regarding this item, a letter from NYSDEC (dated 12/12/16) and response from C&S Companies (dated 2/1/170 are attached. Final resoulution is still pending.
Submitted	☑	
Approved	☐	
In Progress	☑	
Completed	☐	
Not Required	☐	

Part II - CSO LTCP Control Information

SECTION B: OUTFALL INFORMATION

List all existing and active CSO the outfalls. Attach extra sheets, if necessary.

Outfall #	Latitude	Longitude	Receiving Water/Classification	# of Regulators Associated with this Outfall	Type of Regulator(s) Associated with this Outfall (Fixed Dam, Float / Dynamic, Elevated Pipe, Wet Well Overflow, etc.)
001	43°28'10"	76°30'05"	Lake Ontario / Class A	1	Main Plant Discharge
002	43°28'10"	76°30'02"	Lake Ontario / Class A	1	CSO

Part II - CSO LTCP Control Information

List all CSO the outfalls that have been closed or separated since LTCP development. Attach extra sheets, if necessary.

Outfall #	Latitude	Longitude	Receiving Water/Classification	Indicate Reason for Closure
003	43°27'14"	76°30'28"	Oswego River / Class C	Removed ORF & Upgraded Pump Station
004	43°28'14"	76°30'10"	Lake Ontario / Class A	Removed as part of Sewer Separation project
005	43°27'36"	76°30'39"	Oswego River / Class C	Removed as part of Sewer Separation project
007	43°27'36"	76°30'33"	Oswego River / Class C	Removed as part of Sewer Separation project

Part II - CSO LTCP Control Information

SECTION C: CSO EVENTS, DISCHARGE VOLUME, ETC. Provide an estimate or actual data on overflow events. If necessary, use a separate spreadsheet to report all CSO outfalls.

CSO Outfall #	No. of overflow events in the previous year		Total Annual CSO Volume Discharged (MG)		Total Annual Volume Captured or Diverted to POTW (MG)		# of CSO Outfalls		Indicate type of overflow measurements (e.g. metered, estimated, or modeled). *If other, please describe.*
	Baseline	Current	Baseline	Current	Baseline	Current	Baseline	Current	
002	10/2013 *	3/2020	8.98 MG/2013	2.65 MG/2020	3.60 MG/2013	1.50 MG/2020	1	1	Metered
									* No Baseline available; using 2013 Data

Part II - CSO LTCP Control Information

CSO Outfall #	No. of overflow events in the previous year		Total Annual CSO Volume Discharged (MG)		Total Annual Volume Captured or Diverted to POTW (MG)		# of CSO Outfalls		Indicate type of overflow measurements (e.g. metered, estimated, or modeled). *If other, please describe.*
	Baseline	Current	Baseline	Current	Baseline	Current	Baseline	Current	
TOTAL									

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	3
Average annual CSO volume discharged from the permittee owned system (MG)	unknown	8.98 MG	2.65 MG
Population served by the permittee's owned system	9000	9000	9000
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):

* The City of Oswego Department of Public Works maintains operation & maintenance of the City of Oswego Collection System.

** The Town of Scriba, which is a secondary Sewer District, discharges their Sanitary/Industrial Wastewater to the City of Oswego Collection System. The Town of Scriba is a Satellite System and the Town of Scriba maintains their own system.

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):

Since the development & implementation of the LTCP, the City has taken steps to maximize flow to the Eastside POTW, having eliminated several CSO's during Sewer Separation projects and increasing the capacity of its main Pumping station from 1.5 mgd ato 11.5 mgd. The remaining CSO (#002) has been fitted with Dechlorination apparatus and the holding capacity of the Stormwater Detention Basin was modified to increase holding capacity from 0.36 mg to 0.50 mgd.

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

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 R. Ramer	**Official Title:** Chief Operator Eastside WWTP	**Phone:** 315-342-8246
Signature: Daniel R. Ramer	**Date Signed:** 01/21/2021	**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?	✔		
Does the program include procedures for ALL outfalls in the permit?	✔		
Does the program include procedures for ALL regulators in the permit?	✔		
Are inspections conducted at least as frequently as required in the permit (weekly or monthly)?	✔		
Are inspections conducted during dry and wet weather?	✔		
Do the inspection reports indicate visual inspection, any observed flows, incidence of rain or snowmelt, condition of equipment, and any work required?	✔		
Are inspection reports submitted to the DEC regional office with the monthly operating reports?	✔		
Is the written program sufficiently detailed? Indicate which of the following additional components are included in the plan.	✔		
Pump Stations	✔		
Sewer cleaning	✔		
Sewer Manholes and Catch Basins			✔
Outfalls	✔		
CSO Controls	✔		
Are there inter-municipal agreements which require inspection and maintenance?		✔	
Are any changes planned in the upcoming year for the agreements to make them more effective?		✔	
Is the collection system mapped using GIS? * **See explanation on the following page**	✔		
Entire system, including manholes and catch basins?	✔		
In the past year, was significant mapping progress accomplished?		✔	
In the upcoming year, is GIS mapping planned?	✔		
Is the collection system monitored using a SCADA system?	✔		
In the past year, was significant progress accomplished in installing or expanding monitoring with a SCADA system?	✔		
In the upcoming year, is installation of a SCADA system planned or being expanded?	✔		
Does the municipality have an asset management plan that includes the collection system?	✔		
Are funds available to carry out the BMP requirements?	✔		
Are any major equipment purchases planned or expected in the next five years related to the BMP requirements? If yes, describe below	✔		
Is the pump inventory, including spare parts, adequate for the upcoming year?	✔		
Is sufficient staff training available?	✔		

PERMITTEE NAME: City of Oswego SPDES PERMIT NO.: NY- 0029114

PART III - CSO BEST MANAGEMENT PRACTICES

	YES	NO	N/A
Is funding for training adequate and available?	✔		
Is sufficient staff training available?	✔		
Is funding for training adequate and available?	✔		
Have any work efforts or problems in the past year resulted in changes in overflows? If yes, describe below	✔		
Fewer events	✔		
Less volume		✔	
Reduction in floatables, settleable solids or oil and grease discharged		✔	
Reduction in industrial pollutants (chemicals)		✔	
Improvement in water quality of receiving waterbody		✔	
In the past year, was the inspection and maintenance program mostly:			
Reactive (responding to problems)			
Proactive (focusing on preventative maintenance to avoid problems)?	✔		
If the program is mostly reactive, describe below any plans to shift the emphasis to prevention			

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)

Additional attention has been give in keeping the Detention Basin clean of foilage & other debris. Rocks from the lake which are deposited in the outfal channel, due to wave action from Lake Ontario, have been regularly removed by staff. Better control of initial Chlorination of the combined wastewater entering the Basin has been initiated, as well as insuring that the basin is kept free of water prior tc wet weather events.

* The Department of Public Works is working toward GIS plotting of the CSO. A small amount of work has been undertaken and GIS plotting will eventually become a reality in the future.

PERMITTEE NAME: City of Oswego SPDES PERMIT NO.: NY- 0029114

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?	✔		
Has the hydraulic capacity of the system been evaluated?	✔		
Is there a continuous program of flushing and cleaning to prevent deposition of solids?	✔		
Have regulators and weirs been adjusted to maximize storage without causing service backups?	✔		
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	✔		
Tidegates maintenance/repairs/replacement			✔
FOG program		✔	
Removal of small systems bottlenecks		✔	
Sewer cleaning and sediment removal	✔		
Removal of flow obstructions	✔		
Regulator or weir adjustment - list locations below	✔		
In-line storage: inflatable dams or sluice gates			✔
Wet Weather Operating Plan	✔		
Do the municipalities within the combined sewer system have a water conservation program for homeowners?		✔	
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.		✔	

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)

In order to ensure adequate response to wet weather events, the Wet Weather Operating Plan implementation is reviewed after each event and adjustments made when necessary. In addition to increasing the holding capacity of the Detention Basin by increasing the Effluent Weir height, there is also additional holding capacity available by using standby Primary & Aeration Basin Tanks.

PERMITTEE NAME: City of Oswego SPDES PERMIT NO.: NY- 0029114

PART III - CSO BEST MANAGEMENT PRACTICES

3. Industrial Pretreatment *6 NYCRR 750-2.7(f) and 2.9(a)(4)* *(EPA NMC: Review and Modify Pretreatment Requirements)* ☐ 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?	☐	☐	✔
Is there an approved pretreatment or mini-pretreatment program?	✔	☐	☐
If there is no pretreatment or min-pretreatment program, are there any nondomestic users? If No to both of the previous questions, go to BMP 4	☐	☐	✔
Is there an inventory of industrial dischargers? Is the following information included?	✔	☐	☐
Volume of discharge?	✔	☐	☐
Pollutants in discharge?	✔	☐	☐
Are any pollutants classified as "persistent toxics" or bioaccumulative?	☐	✔	☐
Is the location included on the collection system map?	✔	☐	☐
Are there any industrial discharges that could reach CSO outfalls?	✔	☐	☐
If yes, have any industrial dischargers been identified as contributing to a water quality impairment?	☐	✔	☐
If yes, does the industry have a holding tank or EQ tank to store wastewater prior to discharge to the collection system?	☐	✔	☐
If yes, does the industry have a written plan to store or hold discharges during rain events?	✔	☐	☐
If yes, has the industry been asked to prepare a written plan to store or hold discharges?	✔	☐	☐
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.	☐	✔	☐
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.	☐	✔	☐

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)

There are 5 Permitted Significant Industrial Users, which discharge Wastewater to the Eastside POTW; 2 of these dischargers are Categorical Users, Novelis Inc. (Aluminum Forming) and Indeck Energy Services (Steam/Electric). The flow from Novelis Inc is constant, as they are a 24/7 operation and only cease discharge during scheduled maintenance shutdown, which occurs 1/year. Indeck Energy discharge occurs on a periodic basis, when they are called upon to supply power to the NYS Electrical Grid; their discharge may or may not occur during wet weather events.

The other 3 PermittedUsers are Oswego County (Leachate Discharge-Hauled), Champlain Valley Specialties (Apple Maufacturing Wastewater-Hauled) and Pollution Abatement Services (Remediation Site Leachate-Batched Discharged to Collection system 1/month). All three of these Users are prohibited from discharging during wet weather events.

PERMITTEE NAME: City of Oswego

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PART III - CSO BEST MANAGEMENT PRACTICES

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?	✔		
In the past year, was the secondary treatment works able to treat the flows specified in the permit for all wet weather flows?	✔		
If the answer to either of the above questions was No, has a plan and schedule to accomplish this been submitted to the Department?			✔
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. *** See explanation below**	✔		
Are any physical modifications planned for the upcoming year? **** See explanation below**	✔		
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		✔	
In the past year, have any new problem areas been identified that restrict flow to the plant? List locations below		✔	
In the upcoming year, are there plans to address hydraulic restrictions or bottlenecks?		✔	
Pipe replacement		✔	
Construction of relief sewer		✔	
Construction of overflow tank		✔	
Pump station improvements		✔	
Pump replacement		✔	
Weir adjustment		✔	
Smoke testing, dye testing to identify illicit connections		✔	
Other:		✔	

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 2020, construction of Behavorial Health Services 29 East Cayuga Street included the addition of an 8" lateral to the City Collection System. Behaviorial Health Services is part of Oswego Health and formerly carried out operations at the County owned Health facility located on Bunner Street in the city.

** At present, East Lake Commons is being costructed at the former site of Mid-Town Plaza located on East 1st & 2nd Streets and between Route 104 and East Cayuga Street. The Commons is and apartment community that will provide 70 mixed-income apartments. Lateral(s) for this complex are presently under review by the NYSDEC.

PERMITTEE NAME: City of Oswego SPDES PERMIT NO.: NY- 0029114

PART III - CSO BEST MANAGEMENT PRACTICES

5. Wet Weather Operating Plan (WWOP) *6 NYCRR 750-2.8(a) (EPA NMC: None)* ☐ 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?	☑	☐	☐
In the past year, did treatment of wet weather flows cause any effluent violations or destabilize treatment upon return to normal service?	☐	☑	☐
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.	☑	☐	☐
Has the WWOP been submitted to the Regional Office and Bureau of Water Permits (Albany) for review and approval?	☑	☐	☐
If the collection system or plant has been modified or upgraded, has the WWOP been modified to reflect new flow rates or new procedures?	☐	☐	☑
If yes, has the revised plan been submitted to the Regional Office for approval?	☐	☐	☑
Does the plan identify the maximum flows through preliminary, primary, secondary treatment, tertiary, and disinfection units?	☑	☐	☐
In the upcoming year, are changes to the plan expected? *** See explanation below**	☐	☑	☐

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)

The Wet Weather Plan for the Eastside Facility is reviewed after every event to ensure that maximum flow is treated through the Main Plant Treatment System and that CSO (Detention Basin #002) treatment has been maximized to achieve Permit compliance.

PERMITTEE NAME: City of Oswego SPDES PERMIT No.: NY- 0029114

PART III - CSO BEST MANAGEMENT PRACTICES

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.	☐	✔	☐
Were all dry weather overflows reported in accordance with 6 NYCRR Part 750-2.7 (incident reporting)?	☐	☐	✔
If dry weather overflows occurred, indicate which procedures or equipment have been improved or replaced	☐	☐	✔
Schedule for routine inspections	☐	☐	✔
Management, operation and maintenance program	☐	☐	✔
Modification of existing or issuance of new inter-municipal agreements	☐	☐	✔
FOG program	☐	☐	✔
Removal of Illicit connections	☐	☐	✔
I/I Control program	☐	☐	✔
Leaky tidegates	☐	☐	✔
Adjustment and/or repair of regulators	☐	☐	✔
Pumps	☐	☐	✔
Auxiliary power	☐	☐	✔
Elimination of hydraulic bottlenecks	☐	☐	✔
Adequate dry weather flow capacity at the treatment plant	☐	☐	✔
Other, list below	☐	☐	✔
Has additional staff training been provided?	☐	☐	✔
Has the likelihood of future dry weather overflows been eliminated? If not, describe additional information below.	✔	☐	☐

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)

PERMITTEE NAME: City of Oswego SPDES PERMIT NO.: NY- 0029114

PART III - CSO BEST MANAGEMENT PRACTICES

7. **Control of Floatables and Settleable Solids** *6 NYCRR 750-2.8(a)(4)* *(EPA NMC: Control of Solid and Floatable Materials in CSOs)* ☐ 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?	☐	☑	☐
Have BMPs been implemented to eliminate or minimize the discharge of floatables and settleable solids?	☑	☐	☐
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.	☑	☐	☐
Floatables quantification	☐	☑	☐
Booming and skimming of open waters	☐	☑	☐
Source controls (street cleaning, public education, household hazardous waste collection, solid waste collection, recycling, and/or composting of lawn/leaf/roadkill deer) *** See comment below**	☑	☐	☐
In-line netting	☐	☑	☐
Screens	☐	☑	☐
Catch basin hoods	☐	☑	☐
Other:	☐	☑	☐
Are any changes needed or planned for the upcoming year? Describe additional information below.	☐	☑	☐

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)

* See attached Letter from City of Oswego Commisssioner of Public Works.

PERMITTEE NAME: City of Oswego SPDES PERMIT NO.: NY- 0029114

PART III - CSO BEST MANAGEMENT PRACTICES

8. **Combined Sewer System Replacement** *6 NYCRR 750-2.10(i) (EPA NMC: None)* ☐ **N/A**	YES	NO	N/A
In the past year, were any combined sewers designed or constructed that were not approved by DEC?	☐	✔	☐
If yes, was the combined sewer replaced by separate sanitary and storm sewers to the greatest extent possible?	☐	☐	✔
If yes, were the separate sanitary and storm sewers designed and constructed simultaneously but without interconnections to the maximum extent practicable?	☐	☐	✔
Is the combined portion of the collection system completely identified on maps or GIS?	✔	☐	☐
Are there any plans or current projects to separate combined sewers into sanitary and storm sewers?	☐	✔	☐
Is there an approved engineering plan for this project?	☐	☐	✔
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.	☐	☐	✔
Overall, has the implementation of this BMP resulted in fewer overflow events and/or less volume discharged? Describe below.	✔	☐	☐

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)

CSO discharges during 2020 were limited to 3 events. This was due, in part, to a dry year. However, maximizing flow to the headworks and utilization of available tank space is in place to mitigate additional events.

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PART III - CSO BEST MANAGEMENT PRACTICES

9. **Combined Sewer Extension** *6 NYCRR 750-2.10(i) (EPA NMC: None)* ☐ **N/A**	YES	NO	N/A
In the past year, were any combined sewers extended not using separate sewers?	☐	☑	☐
Were sanitary and storm sewers extensions designed and constructed simultaneously but without interconnections?	☐	☑	☐
Were any new sources of stormwater added to a separate sewer anywhere in the collection system?	☐	☑	☐
If separate sewers were extended from combined sewers, was it demonstrated that the sewerage system had the ability to convey, and the treatment plant had the ability to adequately treat, the increased dry-weather flows?	☐	☐	☑
If determined necessary by the Regional Water Engineer, was an assessment made of the effects of the increased flow of sanitary sewage or industrial waste on the strength of CSOs and their frequency of occurrence, including the impacts upon best usage of the receiving water?	☐	☐	☑
Has a recent combined sewer extension resulted in increased discharge from a CSO?	☐	☐	☑
Has a recent combined sewer extension resulted in increased flow to the POTW? Describe any CSO impacts below.	☐	☐	☑
Is any development planned upstream of a combined sewer?	☐	☑	☐
If yes, has a sewer extension plan been submitted for review and approval?	☐	☐	☑
If the approval contained a flow credit requiring removal of I/I, what was the requirement or ratio?	☐	☐	☑
Does the plan include any flow retention structures?	☐	☐	☑

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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10. **Connection Prohibitions** *6 NYCRR750-2.9(a)(5) (EPA NMC: None)* ☐ **N/A**	YES	NO	N/A
In the past year, were any sewer connections approved, in spite of a notice from DEC to prohibit further connections due to documented, recurrent instances of sewage backing up into house(s) or discharges of raw sewage onto the ground surface from surcharging manholes?	☐	✔	☐
Are new connections prohibited by the DEC? If no, skip to BMP 11.	☐	✔	☐
Is this due to basement backups?	☐	☐	✔
Is this due to surcharging manholes?	☐	☐	✔
In the upcoming year, is any work planned to either increase capacity or reduce hydraulic loading? Describe below.	☐	✔	☐

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)

PERMITTEE NAME: City of Oswego SPDES PERMIT NO.: NY- 0029114

PART III - CSO BEST MANAGEMENT PRACTICES

11. **Septage and Hauled Waste** *6 NYCRR750-2.7(f) and 2.8(a)(1) (EPA NMC: None)* ☐ **N/A**	YES	NO	N/A
In the past year, has there been any discharge or release of septage or hauled waste into the collection system upstream of a CSO?	☐	✔	☐
Does the facility have authorization from DEC to accept hauled waste or septage at a location other than the POTW? Describe below.	☐	✔	☐
Are any of these locations upstream of a CSO?	☐	✔	☐
Are there any agreements with haulers to accept waste at a location other than at the POTW?	☐	✔	☐
In the past year, was any hauled waste or septage accepted at a location other than at the POTW?	☐	✔	☐
What was the total volume received at locations other than the POTW?	☐	☐	✔
Is there a dedicated location to discharge septage at the POTW?	✔	☐	☐
Are there restrictions on when the plant accepts hauled waste or septage?	✔	☐	☐
Have there been any changes to the POTW's policy on septage and hauled waste in the past year? Are any changes needed or planned in the upcoming year?	☐	✔	☐

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)

The Eastside POTW has a NYSDEC approved containement area for the receiving of hauled wastes. There are no other locations in the Eastside Collection System where hauled waste is discharged. All haulers are required to apply for a Permit to Discharge and only allowed to discharge upon issuance of the Permit. Unless otherwise approved by the Wastewater Superintendent, hauled waste is accepted Monday - Friday between the hours of 7 am - 2:15 pm. No discharges are permitted during Wet Weather events.

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PART III - CSO BEST MANAGEMENT PRACTICES

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

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)

* Whereas Roadkill deer composting is not performed, all roadkill is quickly removed by the DPW and is disposed of properly through the Animal Control Department.

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PART III - CSO BEST MANAGEMENT PRACTICES

13. **Public Notification** *6 NYCRR 750-1.12 (EPA NMC: Public Notification)* ☐ **N/A**	YES	NO	N/A
Have identification signs been installed and maintained at all CSO outfalls owned and operated by the permittee?	✔		
Are all signs placed at or near the outfall?	✔		
Are the signs easily readable by the public?	✔		
Are the signs a minimum size of 18" by 24"?	✔		
Do the signs have white letters on a green background?	✔		
Do all the signs contain the following information:	✔		
SPDES permit number	✔		
Outfall number	✔		
Permittee name, contact name and phone number at business office or NYSDEC Division of Water regional contact address and phone number	✔		
For waters that are Class B or higher, is a public notification program implemented to inform citizens of the location and occurrence of CSO events?	✔		
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?	✔		
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?	✔		
Were there any problems in the past year with missing or damaged signs? Describe below.		✔	
Is there a written public notification plan?		✔	
Does the plan list all methods used to notify the public of CSO events?			✔
Does the plan list outfalls where signs are posted?			✔

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)

Discharge Monitoring Reports for CSO #002 are avaiable for viewing at the City of Oswego Office of the Clerk.

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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?	✔		
Was a baseline sampling program established as part of the LTCP development?		✔	
Are all outfalls monitored during discharge events for:			
Flow Volume:	✔		
Frequency:	✔		
Duration:	✔		
If all outfalls are not monitored, explain how sufficient data is obtained to document the success of the BMPs.			✔
List locations of rain gauges or the source of data, below.			✔
Has a Post Construction Modeling and Monitoring plan been submitted to the Department for review and approval?	✔		
Has the Department approved the Post Construction Modeling and Monitoring plan?		✔	
Has post construction monitoring and modeling of the receiving water begun? Attach results if this has not already been provided.		✔	

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)

A Baseline Monitoring Program was not established as part of the LTCP development, however, 2013 operating data of wet weather overflow events was referenced in place of a Baseline Program.

Rainfall data is collected from a weather station at Oswego County Airport. Wunderground.com

The Post Construction Modeling & Monitoring plan has yet to be fully approved by NYSDEC. The remaining item is agreement on the receiving water (Lake Ontario) monitoring location(s). See attached correspondence.

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PART III - CSO BEST MANAGEMENT PRACTICES

15. **Annual report** *6 NYCRR 750-2.1(l)* ☐ **N/A** *(EPA NMC: None; Required in LTCP permit)*	YES	NO	N/A
Is this report being used to satisfy BMP 15, Annual report, and the BMP checklist?	✔		
Is existing documentation of implementation of the BMPs included?	✔		
Is this annual report submitted by January 31 to the Regional Office and the Bureau of Water Permits (Albany)?	✔		
Attach any additional information necessary to document the implementation of BMPs in the past year or list plans for the upcoming year.			✔
Overall, was implementation of the BMPs effective in controlling and minimizing CSO discharges?	✔		
If no, list any improvements needed that have not been described elsewhere			✔

PERMITTEE NAME: City of Oswego SPDES PERMIT No.: NY- 0029114

PART III - CSO BEST MANAGEMENT PRACTICES

ADDITIONAL INFORMATION:

DESCRIBE BELOW IN DETAIL OTHER "MEASURE OF SUCCESS" ABOVE AND BEYOND THE REQUIREMENTS OF THE SPDES PERMIT. DESCRIBE HOW ADDITIONAL PROJECT(S) HAS HELPED TO MEET THE OBJECTIVES OF THE EPA NINE MINIMUM CONTROLS POLICY. (Attach extra sheet if necessary)

PERMITTEE NAME: City of Oswego SPDES PERMIT NO.: NY-0029114

PART III - CSO BEST MANAGEMENT PRACTICES

SECTION D: For Multiple Permittees Only

Permittee Name	SPDES Permit Name	SPDES Permit No

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Water, Region 7
615 Erie Boulevard West, Syracuse, NY 13204-2400
P: (315) 426-7500 I F: (315) 426-7459
www.dec.ny.gov

December 12, 2016

Mayor William Barlow Jr. and City Council
City of Oswego
13 West Oneida Street, City Hall
Oswego, New York 13126

Re: City of Oswego East Side Wastewater Treatment Plant
Post Construction Monitoring Plan, SPDES Permit # NY 002 9114

Dear Mayor Barlow and Councilors:

The New York State Department of Environmental Conservation ("Department") has reviewed the response comments, dated November 23, 2016 for the Post Construction Monitoring Plan (PCMP), dated November, 2016, for the East Side WWTP and provide the Department's comments below:

Response to Comment 9: Accepted; not to rely on comparisons from 1993 sampling results. Data is required that is pertinent to the east side WWTP discharge points and mixing zones.

Response to Comment 11: Unresolved; the in-lake sampling is inadequate with only one proposed monitoring location. Section 4.2.2 Sampling Locations, c. Lake Ontario states "The actual location of Lake Ontario sampling will depend on the meteorological conditions occurring at the time of sampling but shown schematically on Figure 1C for the typical case of a prevailing westerly wind. Additional monitoring locations are required to account for the subjective determination of a westerly prevailing wind and the affected area of influence from the Outfalls. The Department will work with the City on a mutually agreeable location downwind, to collect enough feasible ambient water quality samples on Lake Ontario. Submit to this Department, the proposed in-lake, downwind, sampling locations for review and approval.

Response to Comment 13: Accepted; the City will utilize the standard numerical averaging method for pre- and post-control analysis and the Department agrees to discuss the terms of the standard averaging period with the City.

Should you have any questions or comments, please contact me at the above address or by calling (315) 426-7503.

Sincerely,

Val Murakami
Environmental Engineer I

ec: Valarie Ellis, P.E., NYSDEC — Region 7
Tim DiGuilio, P.E., RWE, NYSDEC — Region 7

Dare Adelugba, P.E., NYSDEC, BWP — Albany
Ronald Jackson, P.E., C & S Engineers, Inc.
Robert Johnson, City of Oswego
Gary Hallinan, Ken Scherrieble, Camden Group

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February 1, 2017

By Email

Mr. Val Murakami
Environmental Engineer I
NYSDEC, Division of Water
615 Erie Boulevard West
Syracuse, New York 13204-2400

Re: Oswego Eastside Wastewater Treatment Plant
Post Construction Monitoring Plan
SPDES Permit No. NY 0029114

Dear Mr. Murakami,

We are in receipt of your letter to Mayor Barlow dated 12/12/17 in which you provided the Department's responses to our revised Post Construction Monitoring Plan (PCMP) date November 2016 for the Oswego East Side WWTP.

With respect to the one open item in your letter, we offer the following:

The Department stated that with regard to a Lake Ontario in-lake sampling location that, "Additional monitoring locations are required to account for the subjective determination of a westerly prevailing wind and the affected area of influence from the Outfalls" and that "The Department will work with the City on a mutually agreeable location downwind, to collect enough feasible ambient water quality samples on Lake Ontario". NYSDEC also requested that, the City, "Submit to this Department, the proposed in-lake, downwind, sampling locations for review and approval".

We agree that additional locations will be helpful in getting a representative sample and before preparing a formal submittal, we were wondering what you think informally of the following scenario? We would propose to collect three samples as follows. Basically, on the day of sampling, the crew will assess the prevailing wind and after placing the boat at the midpoint of the two outfalls (using GPS navigation) allow the boat to drift 500 feet downwind. This would be the site of the first sample and will be geo-referenced using GPS. Then as shown in the two attached examples, we will bracket that location by moving the boat 30° along the arc in either direction and collect an additional sample at each of those two locations for a total of three apparent downwind samples. Each point will be georeferenced using GPS markers and mapped accordingly. This will account for mixing zone influences and the effects of wind current on the effluent plume taking into consideration the uncertainties associated with assessment of the prevailing wind at the time of sampling. The samples will be equal volume composited in the plant laboratory at the time of collection and submitted for analysis. Figures 1D and 1E show examples for a Southeast wind (typical of Spring conditions) and a Northwest wind (most common), respectively. The wind roses utilized are based on national data collected for aviation

purposes which give historical data on wind speed and direction for the Oswego area. We feel that such an approach will provide a representative picture of ambient water quality conditions in that area of the Lake.

Let us know what you think of this approach and we will prepare a final submittal for your approval. Please feel free to contact me with any questions or for additional information at 315-703-4160.

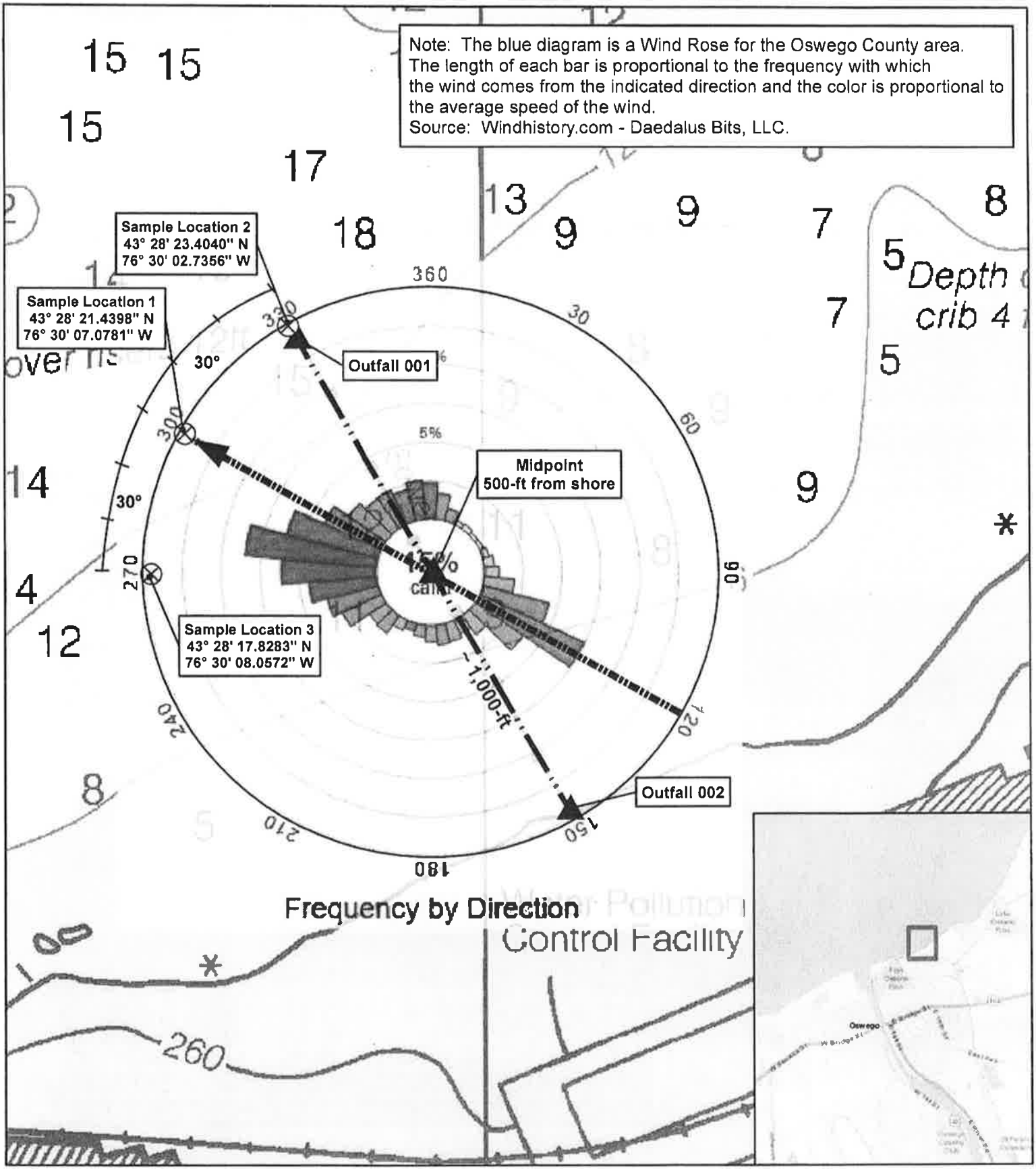
Sincerely,

C&S ENGINEERS, INC.

Ronald Jackson, P.E.
Principal Engineer

Encl.

Cc: Robert Johnson, City of Oswego
Gary Hallinan, The Camden Group
Ken Scherrieble, The Camden Group
Valarie Ellis, P.E., NYSDEC
Robert Palladine, C&S Engineers, Inc.



Legend

- Sampling Locations
- Reference Point
- PREVAILING WIND DIRECTION

N

0 130 260

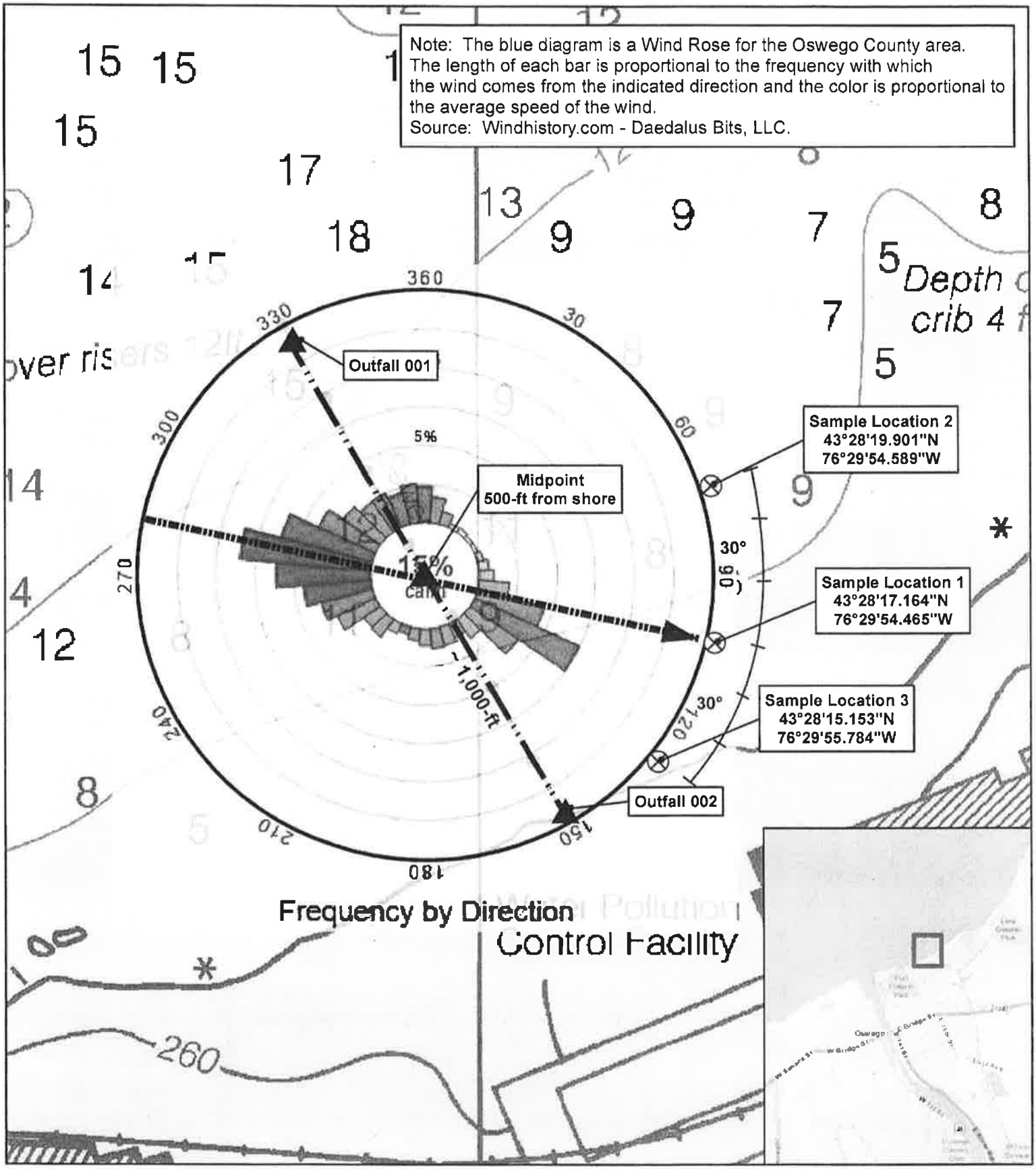
Feet

Figure 1D
Example with Southeast Wind

Lake Ontario
Sampling Location
Schematic

C&S COMPANIES

Updated: January 6, 2017



Legend

- Sampling Locations
- Reference Point
- PREVAILING WIND DIRECTION

N

0 130 260 Feet

Figure 1E
Example with Northwest Wind
Lake Ontario
Sampling Location
Schematic

C&S COMPANIES

Updated: January 6, 2017

The City of Oswego

Tom Kells

Commissioner ~ Department of Public Works

January 15, 2021

To: Jeff Hinderliter, City Engineer

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 uniloaders 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 (degreased & cleaned), with the hours being recorded each time. Twice per year the pumps are pulled out and the oil is changed, they are check 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 Rebeor, Sewer Maintenance Supervisor
Mr. Kenneth Scherrieble, Superintendent of Wastewater Treatment
File