



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF WATER
COMBINED SEWER OVERFLOWS ANNUAL REPORT

PART I. GENERAL INSTRUCTIONS: The Combined Sewer Overflows (CSO) Annual Report is consistent with the EPA CSO Long-Term Control Policy requiring permitting authorities to report “Measures of Success” of the policy implementation. Hence, the goal of this report is to obtain information regarding:

1. Compliance with the 15 CSO Best Management Practices;
2. The condition and operation of the combine sewer system (CSS) components. Most importantly, the end-of-pipe measures that show trends in the discharge of CSS flows to the receiving water body, such as reduction of pollutant loadings, the frequency of CSOs, and the duration of CSOs;
3. Receiving water body measures that show trends of the conditions in the water body to which the CSO occurs;
4. Overall status of the CSO LTCP, if applicable;
5. Key CSO control accomplishments and design and construction progress in the previous year

Permittee must complete ALL parts of the form and must attach all supporting documents. Please be aware that this annual report form template highlights the minimum requirement a permittee is expected to submit. Permittee is obligated to complete abatement activities to ensure compliance with the Clean Water Act. This report is also consistent with NYS 6 NYCRR 750-2.1(i).

Special Instructions:

1. Multiple permittees (for instance NYC and Albany Pool) responsible to develop a single LTCP can submit one form and also complete Section D of this form.
2. **ALL SECTIONS OF THIS REPORT MUST BE COMPLETED.**

Part II - CSO LTCP Control Information

CSO Facility: Amsterdam WWTP

Flow: 10.00 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"/>
Submitted	<input checked="" type="checkbox"/>
Approved	<input checked="" type="checkbox"/>
In Progress	<input checked="" type="checkbox"/>
Completed	<input type="checkbox"/>
Not Required	<input type="checkbox"/>
<p>The City has a LTCP dated January 2007 which was approved on July 5 2007, a LTCP implementation report dated July 2011, and a Post Construction Compliance Monitoring Program (PCCMP) dated August 2016. The City is in compliance with USEPA's "Presumptive Approach" criteria for CSOs.</p>	

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"/>
Collection System Controls	<input checked="" type="checkbox"/>
Storage Technologies	<input type="checkbox"/>
Treatment Technologies	<input type="checkbox"/>
Floatable Controls	<input checked="" type="checkbox"/>
Disinfection Type:	<input type="checkbox"/>
<p>The City continued their existing procedures under the Nine Minimum Controls and continued monitoring for CSO's in 2020. This included a daily inspection of the 3 CSO diversion structures. The City's Street Department conducted its annual street sweeping program. This program reduces the amount of foreign material that can enter the CSO system. The City's Sewer Department continued to clean manholes and flush sewer lines throughout the City. This helps prevent overflow events by removing foreign material, increasing pipe size by reducing obstructions, and allows the corresponding departments to repair any faulty manholes/lines that will in return reduce infiltration. Baskets are installed at all 3 CSO diversion structures in an attempt to capture foreign material in the event of an overflow. The City conducts a PCCMP to ascertain the effectiveness of the CSO controls.</p>	

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 t objectives of the CSO Control Policy</i>
In Development	<input type="checkbox"/>
Submitted	<input checked="" type="checkbox"/>
Approved	<input checked="" type="checkbox"/>
In Progress	<input checked="" type="checkbox"/>
Completed	<input type="checkbox"/>
Not Required	<input type="checkbox"/>
<p>The City's PCCMP was followed in 2020. The samples for the PCCMP are taken monthly for a baseline condition, and event-based (>0.5 inches of rain) or when a CSO overflow event occurs. The sampling procedure was revised on 9/7/2019 to remove outfall 003 at South Side Pump Station as CSO projects have eliminated combined sewers in this section of the City. The sampling procedure was revised on 9/7/2019 to add sampling site MR1.5 in an attempt to sample upstream of the WWTP, but downstream of the remaining CSO locations. The sampling is to continue for one year after the WWTP effluent disinfection project is completed. The disinfection project is scheduled to be completed in 2021. The PCCMP does confirm that the LTCP is meeting its objectives. as the system wide annual capture average of wet weather event flow is over 99%.</p>	

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

	Baseline	After CSO BMP and/or LTCP Implementation	Current
Percentage of the collection system owned by the permittee that is combined.	17.7%	10.6%	10.6%
Approximate no. of miles of combined sewers in the permittee owned system	12.5	7.6	7.6
Number of combined sewer outfalls in the permittee owned system	3	3	3
Average annual no. of CSO events in the permittee owned system	18	5	4
Average annual CSO volume discharged from the permittee owned system (MG)	Not Measured	0.957	0.836
Population served by the permittee's owned system	18,620	17,844	17,844
Number of satellite system connections	4	4	4

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's Sewer Department continued to clean manholes and flush sewer lines throughout the City and maintains a daily log of this work. Collections system cleaning/flushing provides more capacity for high flow inside the collection lines as a result of less obstructions/build up. This will not only ensure that more flow is able to reach the pump stations, but also that this flow contains less debris/obstacles that could damage or clog pumps and cause a CSO event. The Streets Department has continued its annual street sweeping program. Street sweeping began in April and continued through November. This program reduces the amount of trash, sand and road salt that enters the storm sewer and is discharged during a CSO event.

The City has 4 Satellite System Connections:

The City of Amsterdam owns and maintains the sanitary sewer collection system within the City limits. The Village of Haganan, Town of Amsterdam, Town of Florida and Village of Fort Johnson all have sanitary sewer collection systems that enter the City's system and their wastewater is treated at the City's wastewater treatment plant.

The Village of Haganan has a base flow plus infiltration calculation of 163,000. The City's WWTP (1970) was to be designed with 500,000 gpd capacity to accommodate the Village flows.

The Town of Amsterdam has a base flow plus infiltration calculation of 132,000. The agreement provided for the Town in 1987 was to discharge up to 500,000 gpd of wastewater to the City with a peak flow cap of 1562 gpm.

The Village of Fort Johnson has a permitted 100,000 GPD with the City. (1997) This permitted a peak flow of 275 GPM.

An Intermunicipal Cooperation Agreement for Water and Sewer Service was executed on December 15, 2009 by the City of Amsterdam and the Town of Florida. The agreement allows the Town to purchase up to 1.1 mgd of "potable water and related sewage treatment capacity from the City."

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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):

The City uses USEPA's "Presumptive Approach" criteria for CSOs. This means that the City's goal in regards to CSO events is to eliminate or capture no less than 85% by volume of the combined sewage collected during precipitation events on a system-wide annual average basis.

During 2020, the City did meet this goal:

There were a total of 4 CSO events due to wet weather. 2 of these events were at outfall 004 (WSPS) alone, 1 of the events was at outfall 002 (ESPS) and 004 (WSPS), and 1 of the events was at outfall 003 (SSPS) and 004 (WSPS).

During these events, a total of 836,400 gallons overflowed. Annually, the CSOs conveyed a total flow of 50,000,000 Gallons make it through to the WWTP and receive treatment. This is a capture and treatment rate of over 98%, by far exceeding the 85% goal of the presumptive approach.

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

The City has Several CSO control projects under construction.

There are CSO improvement projects being done to Outfall(s) 003 and 004.

Outfall 003 (Southside Pump Station) is getting an upgrade that focuses on electrical and by-pass work to improve reliability and treatment during CSO events. (Very old/unreliable generator currently in place)

Outfall 004 (Westside Pump Station) is getting an upgrade that focuses on new pumps and piping to improve reliability, efficiency, treatment, and overall less CSO events.

Both of these projects are underway and will be completed in 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: <u>Kevin Gorman</u>	Official Title: <u>Chief Operator</u>	Phone: <u>518-322-3393</u>
Signature: <u>Kevin Gorman</u>	Date Signed: <u>5-12-21</u>	Email: <u>KGORMAN@amsterdamny.gov</u>

PERMITTEE NAME: City of Amsterdam

SPDES PERMIT No.: NY-00202290

PART III - CSO BEST MANAGEMENT PRACTICES

Check N/A if not required in the permit, consent order, or LTCF.

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 type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the written program sufficiently detailed? Indicate which of the following additional components are included in the plan.	<input type="checkbox"/>	<input checked="" 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 checked="" 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 checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" 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"/>

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Is funding for training adequate and available?	<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"/>
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"/>	<input type="checkbox"/>
Fewer events	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Less volume	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reduction in floatables, settleable solids or oil and grease discharged	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reduction in industrial pollutants (chemicals)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Improvement in water quality of receiving waterbody	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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"/>
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)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

There was a decrease in total events between 2019 and 2020, there were steps and precautions taken by the City of Amsterdam to minimize events and their volume. The capture and treatment rate was above 98%.

The 9 minimum controls were implemented by:

1) Proper operation and regular maintenance programs for the sewer system and CSO outfalls: Preventative maintenance has been at the forefront of our operations during 2020. A new position was created within the city of Pump Station Operator. This position is dedicated to the CSO locations, their preventative maintenance, and daily inspections.

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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 M/C: 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tidegates maintenance/repairs/replacement	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
FOG 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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input 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)

The 9 minimum controls were implemented by:

2) Maximum use of the collection system for storage: This is done on a yearly basis by city departments in the act of line cleaning and inspections. Sewer lines are also replaced to improve efficiency/storage.

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<p>3. Industrial Pretreatment 6 NYCRR 750-2.7(f) and 2.9(a)(4) <i>(EPA NMC: Review and Modify Pretreatment Requirements)</i></p>	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
<p>Has the impact on CSOs from nondomestic users that discharge toxic pollutants been evaluated, and steps taken to minimize such impacts?</p>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Is there an approved pretreatment or mini-pretreatment program?</p>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>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</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Is there an inventory of industrial dischargers? Is the following information included?</p>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Volume of discharge?</p>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Pollutants in discharge?</p>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Are any pollutants classified as "persistent toxics" or bioaccumulative?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>Is the location included on the collection system map?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>Are there any industrial discharges that could reach CSO outfalls?</p>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>If yes, have any industrial dischargers been identified as contributing to a water quality impairment?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>If yes, does the industry have a holding tank or EQ tank to store wastewater prior to discharge to the collection system?</p>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>If yes, does the industry have a written plan to store or hold discharges during rain events?</p>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>If yes, has the industry been asked to prepare a written plan to store or hold discharges?</p>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>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.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>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.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>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)</p>				
<p>3) Review and modification of pretreatment requirements to ensure that CSO impacts are minimized. The city works with the EPA on a developed and approved Industrial Pretreatment Program that as a result, will minimize pollutants and ensure that CSO impacts are minimized.</p>				
<p>Our largest IU (Industrial User) is Haro-Beech Nut which makes up over 90% of our IPP flow. This user has a holding tank to equalize flow to the POTW. The City strives to maintain excellent communication and working relationship with Industries and their IPP.</p>				

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

4) Maximization of flow to the POTW for treatment: This is done by preventative maintenance on the pump station equipment. The best way to avoid an unnecessary overflow is to ensure that the equipment will perform when a wet weather event occurs. Two pump stations are under upgrade, the WSPS is receiving new pumps in 2021.

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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 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"/>

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 WWOP has steps and procedures to follow to ensure maximization of treatment during Wet Weather Events. Some examples of these procedures are to speed up RAS, keep sludge blankets down in tanks, and properly maintain equipment. These steps will help the WWTP perform during high flows and help eliminate permit violations.

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

5) Elimination of CSOs during dry weather: This done through preventative maintenance and the CSO alarm system. The city also has a newly revised call out protocol. There are guidelines in place to ensure a prompt and qualified response to an alarm that will in turn help prevent a dry weather overflow due to equipment malfunction whatever the cause.

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PART III - CSO BEST MANAGEMENT PRACTICES

7. Control of Floatables and Settleable Solids 6 NYCRR 750-2.8(a)(4) <i>(EPA MMC: Control of Solid and Floatable Materials in CSOs)</i>	<input type="checkbox"/> N/A	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> 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 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"/>	<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 type="checkbox"/>	<input type="checkbox"/>
Floatables quantification	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Booming and skimming of open waters	<input type="checkbox"/>	<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"/>	<input type="checkbox"/>
In-line netting	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Screens	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Catch basin hoods	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are any changes needed or planned for the upcoming year? Describe additional information below.	<input type="checkbox"/>	<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)

6) Control of solid and floatable materials in CSOs : This is done through bar screens and overflow baskets. Each CSO has a screen/basket to capture solids and floatable materials before it reaches the outfall.

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

0 acres of combined sewer were separated in 2020 and 0 acres of combined sewer are scheduled to be separated in 2021.

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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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Were sanitary and storm sewers extensions designed and constructed simultaneously but without interconnections?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Were any new sources of stormwater added to a separate sewer anywhere in the collection system?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has a recent combined sewer extension resulted in increased discharge from a CSO?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has a recent combined sewer extension resulted in increased flow to the POTW? Describe any CSO impacts below.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is any development planned upstream of a combined sewer?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If yes, has a sewer extension plan been submitted for review and approval?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If the approval contained a flow credit requiring removal of I/I, what was the requirement or ratio?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Does the plan include any flow retention structures?	<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)

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10. Connection Prohibitions 6 NYCRR750-2.9(a)(5) (EPA MMC: None) <input type="checkbox"/> 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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Are new connections prohibited by the DEC? If no, skip to BMP 11.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is this due to basement backups?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is this due to surcharging manholes?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
In the upcoming year, is any work planned to either increase capacity or reduce hydraulic loading? Describe below.	<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)

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<p>11. Septage and Hauled Waste 6 NYCRR 250-2.7(f) and 2.8(a)(1) (EPA NMC: None) <input type="checkbox"/> N/A</p>	<p>YES</p>	<p>NO</p>	<p>N/A</p>
<p>In the past year, has there been any discharge or release of septage or hauled waste into the collection system upstream of a CSO?</p>	<p><input checked="" type="checkbox"/></p>	<p><input type="checkbox"/></p>	<p><input type="checkbox"/></p>
<p>Does the facility have authorization from DEC to accept hauled waste or septage at a location other than the POTW? Describe below.</p>	<p><input checked="" type="checkbox"/></p>	<p><input type="checkbox"/></p>	<p><input type="checkbox"/></p>
<p>Are any of these locations upstream of a CSO?</p>	<p><input checked="" type="checkbox"/></p>	<p><input type="checkbox"/></p>	<p><input type="checkbox"/></p>
<p>Are there any agreements with haulers to accept waste at a location other than at the POTW?</p>	<p><input checked="" type="checkbox"/></p>	<p><input type="checkbox"/></p>	<p><input type="checkbox"/></p>
<p>In the past year, was any hauled waste or septage accepted at a location other than at the POTW?</p>	<p><input checked="" type="checkbox"/></p>	<p><input type="checkbox"/></p>	<p><input type="checkbox"/></p>
<p>What was the total volume received at locations other than the POTW?</p>	<p><input type="checkbox"/></p>	<p><input type="checkbox"/></p>	<p><input type="checkbox"/></p>
<p>Is there a dedicated location to discharge septage at the POTW?</p>	<p><input type="checkbox"/></p>	<p><input checked="" type="checkbox"/></p>	<p><input type="checkbox"/></p>
<p>Are there restrictions on when the plant accepts hauled waste or septage?</p>	<p><input checked="" type="checkbox"/></p>	<p><input type="checkbox"/></p>	<p><input type="checkbox"/></p>
<p>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?</p>	<p><input type="checkbox"/></p>	<p><input checked="" type="checkbox"/></p>	<p><input type="checkbox"/></p>

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)

Any septage or hauled waste is accepted at the Eastside Pump Station. This septage or waste has to first be approved through the City and in turn the DEC.

The total volume received in 2020 at locations other than the POTW was estimated at 6,523,100 Gallons.

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12. Control of Run-off 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 type="checkbox"/>	<input checked="" 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.

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 B or higher, is a public notification program implemented to inform citizens of the location and occurrence of CSO events?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Does the plan list outfalls where signs are posted?	<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)

8)Public notification to ensure that the public receives adequate notification of CSO occurrences and CSO impacts: The City participates in NYAlert to provide updates when CSO events occur.

The public is also updated through regular City Council meetings and on its website when construction project updates become available.

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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 type="checkbox"/>	<input checked="" 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 type="checkbox"/>
List locations of rain gauges or the source of data, below.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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"/>

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)

9) Monitoring to effectively characterize CSO impacts and the efficacy of CSO controls: The CSOs are inspected and monitored daily. The impacts and efficacy are analyzed and reported to the DEC on an annual basis.

Outfall discharge is measured by estimation based on weir height and discharge duration. The City currently monitors and samples the outfalls in accordance with the PCCMP.

The rain gauge used is located near the South Primary Tank at the WWTP.

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

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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)

The city has gone above and beyond the requirements of the SPDES Permit in some aspects in an effort to ensure CSO reliability.

There are several projects in the upgrade phases.

There are upgrade projects that have been awarded and construction has started in 2020. The upgrades will be completed in 2021 at the Westside Pump Station and the Southside Pump Station which will greatly reduce the likelihood for a CSO event to occur.

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PART III - CSO BEST MANAGEMENT PRACTICES
SECTION E: GLOSSARY/ACCRONYMS

For the purposes of this annual report, the following terms and acronyms are described below:

Baseline: Conditions before the development and/or implementation of CSO BMPs and/or LTCP.

Best Management Practice (BMP): Permit condition used in place of or in conjunction with effluent limitations to prevent or control the discharge of pollutants. May include schedule of activities, prohibition of practices, maintenance procedure, or other management practice. BMPs may include, but are not limited to, treatment requirements, operating procedures, or practices to control plant site runoff, spillage, leaks, sludge or waste disposal, or drainage from raw material storage.

Bypass: A discharge of wastewater, stormwater, or combination of both, around a treatment unit designed for the removal of pollutants.

Catch Basin: A chamber usually built at the curbline of a street, which admits surface water for discharge into a storm drain

Collection System: A wastewater collection system which conveys sanitary wastewaters (domestic, commercial and industrial wastewaters) and stormwater through a single pipe to a publicly owned treatment works for treatment prior to discharge to surface waters.

Combined Sewer: A sewer designed to carry wastewater and stormwater runoff.

Combined Sewer Overflows (CSO): A discharge of untreated wastewater from a combined sewer system at a point prior to the headworks of a publicly owned treatment works. CSOs generally occur during wet weather (rainfall or snowmelt). During periods of wet weather, these systems become overloaded, bypass treatment works, and discharge directly to receiving waters.

Combined Sewer System (CSS): A wastewater collection system that conveys sanitary wastewaters and storm water through a single pipe to a publicly owned treatment works for treatment prior to discharge to surface waters.

Demonstrative Regulatory Approach: Control approach where a permittee develops and implement an LTCP that meets the state water quality standards. A permittee could develop an LTCP that would provide for attainment of water quality standards, or it could use a total maximum daily load (TMDL) to *demonstrate* that water quality standards can be attained through a combination of CSO controls and other controls.

EPA: Environmental Protection Agency

EQ Tank: Equalization Tank often used to smooth hydraulic peaks to a POTW or WWTP.

Fats Oil & Grease (FOG)

Geographic Information System (GIS) is a computer-based tool for mapping and analyzing features in the environment. GIS support a wide range of activities including water quality modeling, watershed planning, and wetlands permitting and mitigation.

GI: Green” Infrastructure

Infiltration/Inflow (I/I): Rainwater, snowmelt, or groundwater flowing into separate sanitary or combined sewers, typically introduced via connected roof downspouts and/or building footing drains or infiltrating into the pipe through cracks in the pipe walls or joints.

This Period: Period covering the last 12 months from January to December

Last Period: Activities covering the 12 calendar months prior to the end of the current period

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Long Term Control Plan (LTCP): An engineering document that characterizes and assesses CSO discharge to a receiving waterbody. The goal of the Plan is to comply with the water quality standards of the receiving waterbody.

Million Gallons per Day (MGD) is a unit of flow commonly used for wastewater discharges. One mgd is equivalent to 1.547 cubic feet per second.

Multiple Permittees here is described as when a group of permittees (e.g. Albany Pool) is responsible to develop a single LTCP or when a single LTCP is required for multiple SPDES permit under a single permittee (e.g. NYC).

Nine Minimum Controls (NMC) provide information on nine minimum technology-based controls that permittees are expected to use to address CSO problems, without extensive engineering studies or significant construction costs, before long-term measures are taken.

NYSDEC: New State Department of Environmental Conservation (interchangeably uses as DEC)

Publicly Owned Treatment Works (POTW): Also commonly referred to as “treatment facility, WWTP (Wastewater Treatment Plant)

SPDES Permit: State Pollutant Discharge Elimination System Permit. A permit issued by DEC, authorized under the federal Clean Water Act, to discharge treated wastewater to waters of the United States.

Overflow Events: An event starts once an overflow starts from an outfall, and ends once the overflow stops and the pumpback to treatment facility have ended.

Presumptive Approach: The presumption approach is based on the assumption that an LTCP that meets certain minimum defined performance criteria. The “presumption approach,” under which achievement of certain performance criteria (i.e., 4-6 untreated overflow events or 85 percent by volume capture) would be presumed to provide an adequate level of control to attain water quality standards

Raw Sewage: Untreated sanitary sewage.

Sanitary Sewer Overflow (SSO) is an untreated or partially treated sewage discharge from the sanitary sewer collection system.

Separate Sewer (SS): A pipe or conduit intended to convey only sanitary sewage to a wastewater treatment facility.

SPDES: State Pollutant Discharge Elimination System

Sewer System: A public or privately owned wastewater collection facility designed and used to convey or treat sanitary sewage or sanitary sewage and storm water. Sewer system does not include an on-site wastewater treatment system serving one residential unit or duplex.

Supervisory Control and Data Acquisition (SCADA) is a complex computer system that provides automatic control of stormwater storage and overflows at various locations within the sewer system.

Volume Discharged: Total discharge volume for the event (in millions of gallons) from each CSO outfall within this reporting period.

Volume Captured: Total discharge volume for the event (in millions of gallons) that were either captured via an offline treatment facility before discharge or diverted to the WWTP for treatment.

WWOP: Wet Weather Operating Plan

Water Quality Standards (WQS) are regulations that establish the uses for which surface waters of the state are protected and include numeric and narrative criteria to protect those uses.