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## Long Term Control Plan Highlights



# DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY

Serving the Public • Protecting the Environment

## *WASA's Recommended Combined Sewer System Long Term Control Plan*



## ***Control Plan Highlights***

July 2002

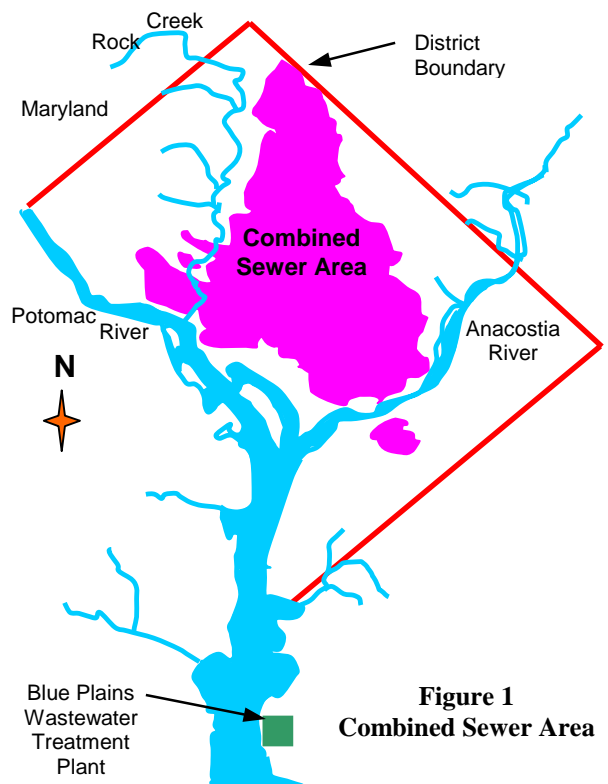
### 1. WHAT IS THIS REPORT?

The District of Columbia Water and Sewer Authority (WASA or Authority) has prepared this report to describe the development and selection of the plan for controlling combined sewer overflows (CSOs) in the District of Columbia. The plan for controlling CSOs is called a Long Term Control Plan or LTCP. In June 2001, WASA submitted a Draft LTCP to regulatory agencies and the public for review and comment. An extensive public outreach and comment period followed in the summer and autumn of 2001. This report presents the proposed Final LTCP. It has been developed taking into consideration regulatory agency comments, public comments, and additional regulatory requirements.

### 2. WHAT IS A COMBINED SEWER OVERFLOW?

Like many older cities in the United States, the sewer system in the District is comprised of both combined sewers and separate sanitary sewers. A combined sewer carries both sewage and runoff from storms. Modern practice is to build separate sewers for sewage and storm water, and no new combined sewers have been built in the District since the early 1900's. Approximately one-third of the District is served by combined sewers. The majority of the area served by combined sewers is in the older developed sections of the District. The combined sewer area is shown on Figure 1.

In the combined sewer system, sewage from homes and businesses during dry weather conditions is conveyed to the District of Columbia's Wastewater Treatment Plant at Blue Plains, which is located in the southwestern part of the District on the east bank of the Potomac River. There, the wastewater is treated to remove pollutants before being discharged to the Potomac River. When the capacity of a combined sewer is exceeded during storms, the excess flow, which is a mixture of sewage and storm water runoff, is discharged to the Anacostia and Potomac Rivers, Rock Creek and tributary waters. The excess flow is called Combined Sewer Overflow (CSO). There are a total of 60 CSO outfalls in the combined sewer system. Figure 2 shows the difference between combined and separate sewer systems.

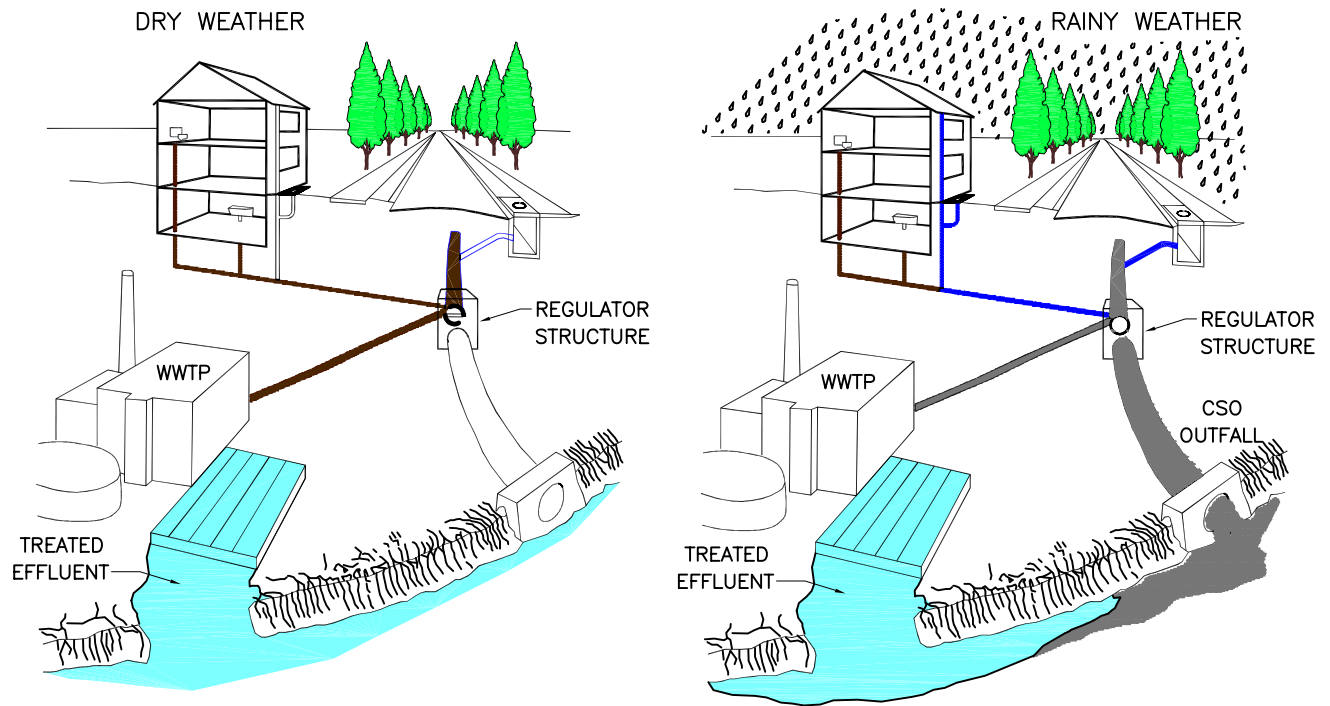


**Figure 1**  
**Combined Sewer Area**

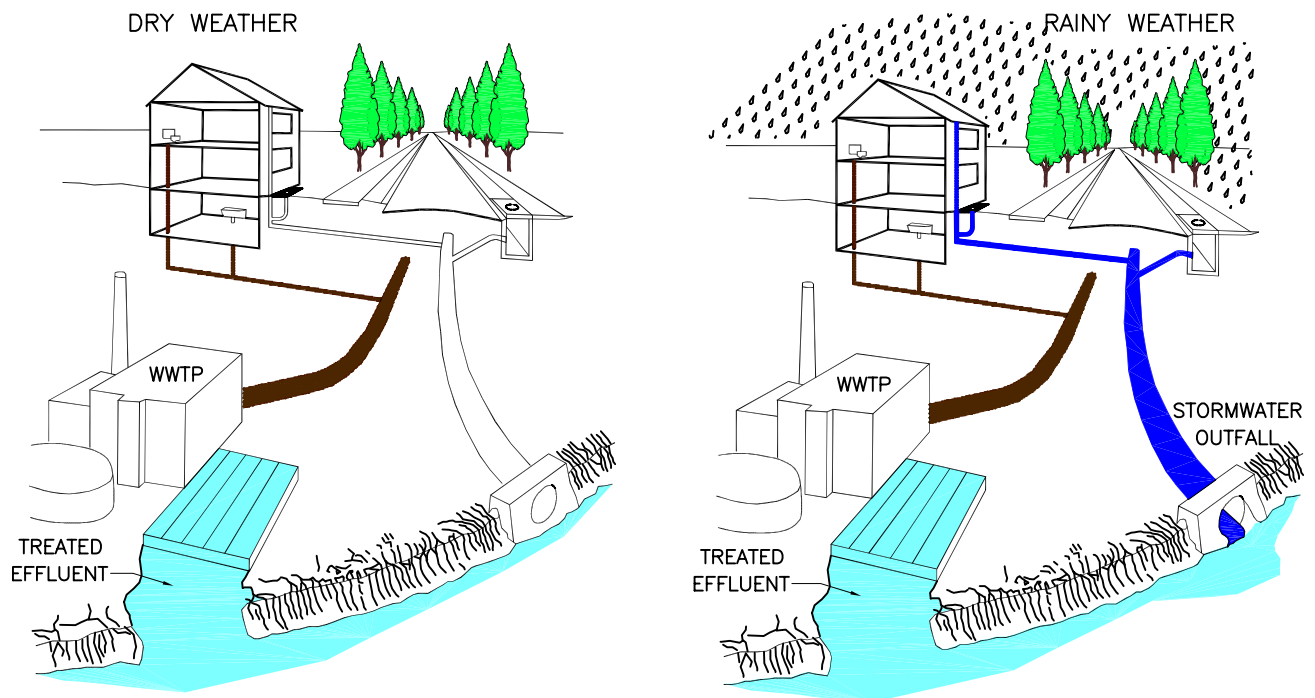
#### CSO Facts

- “CSO” stands for Combined Sewer Overflow
- About 1/3 of the District is served by combined sewers
- Combined sewers have not been built in the District since the early 1900's
- Combined sewers overflow when rainfall exceeds their capacity

FIGURE 2



## COMBINED SEWER SYSTEM



## SEPARATE SEWER SYSTEM

### 3. WHY ARE CSOs A CONCERN?

Discharges of CSOs can adversely impact the quality of the receiving waters. The primary purpose of the LTCP is to control CSOs such that water quality standards are met. In the District of Columbia water quality standards, the designated use of the Anacostia River, Potomac River and Rock Creek is Class A or suitable for primary contact recreation. Because the water quality in the receiving waters currently does not meet these standards much of the time, the actual use of the water body is Class B or suitable for secondary contact recreation and aquatic enjoyment. In recognition of this condition, District law prohibits swimming in each of the receiving waters.

### 4. WHY IS A WATERSHED APPROACH NECESSARY?

There are three principal waterbodies within the District. These are the Potomac River, Anacostia River and Rock Creek.

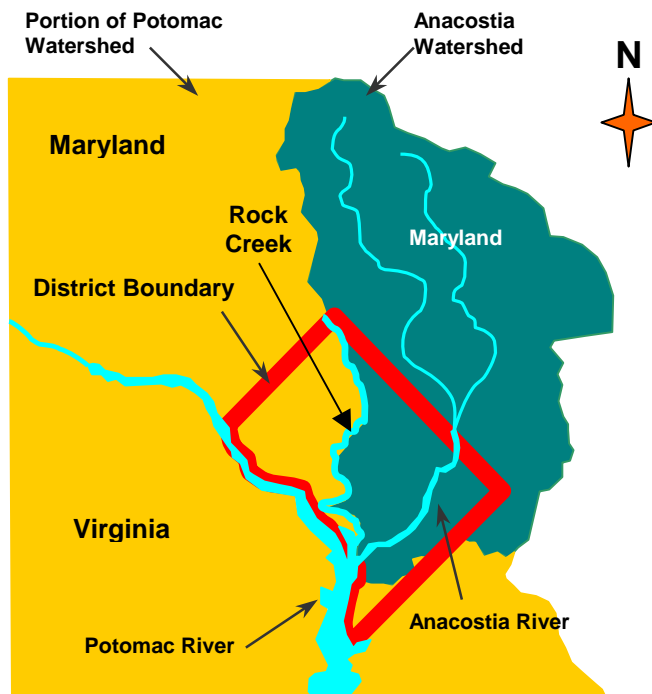


Figure 3  
Watersheds

Figure 3 shows the watersheds of these waterbodies with drainage areas extending across multiple states and/or jurisdictions. Both the Anacostia River and Rock Creek watersheds include land area in Maryland and the District. The Potomac watershed includes land area in Virginia, West Virginia, Maryland, Pennsylvania and the District.

The District encompasses only a small portion of each watershed. The percentage of the land area in the District for each watershed is shown in Table 1.

Table 1  
Percent of Drainage Area in District of Columbia

	Anacostia River	Potomac River	Rock Creek
% of Drainage Area in District	17%	0.5%	20%

This LTCP demonstrates that water quality is affected by many sources other than CSOs, including storm water, upstream sources outside of the District, and in the Anacostia River by the sediments in the bottom of the river. While the LTCP is only required to address CSOs, WASA is considering these other sources to identify the impact of CSOs as compared to other sources of pollution. This will assist in developing a watershed-based approach to improving water quality.

### 5. WHAT ARE THE EXISTING CONDITIONS?

In order to assess the impact of CSO control on receiving water quality, computer models of the combined sewer system, separate storm water system and of Rock Creek were developed. In addition, existing computer models of the Anacostia River and the Potomac River were adapted for use in the study. The computer models were calibrated based on historical data and on 9 to 12 months of monitoring data collected in the receiving waters, the combined



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sewer system, CSOs and in the separate storm water system.

In accordance with EPA guidelines, CSO planning was based on “average year” conditions. The rainfall in the period 1988-1990 was selected as representative of average conditions based on review of 50 years of rainfall data at Ronald Reagan National Airport. The representative three-year period contains a relatively wet year, a dry year and an average year. Average year conditions are defined as the arithmetic average of the predictions for years 1988, 1989 and 1990. Using the combined sewer system model, CSO overflow volumes and frequencies were predicted for existing conditions in the average year. The predicted CSO overflow volumes for the average year conditions are shown on Table 2.

**Table 2**  
**Annual CSO Overflow Predictions for**  
**Average Year**

Item	Anacostia River	Potomac River	Rock Creek	Total System
<b>CSO Overflow Volume (million gallons/yr)</b>				
No Phase I Controls	2,142	1,063	49	3,254
Phase I Controls	1,485	953	52	2,490
<b>Number of Overflows/yr</b>				
No Phase I Controls	82	74	30	-
Phase I Controls	75	74	30	-

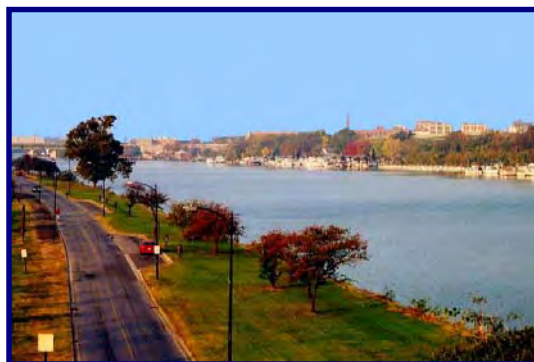
The Phase I CSO controls consist of in-system storage devices called inflatable dams and a CSO treatment system called the Northeast Boundary Swirl Facility. These controls were completed in 1991. As of the writing of this report, certain inflatable dams are not functional and are in the process of being replaced.

Using the predicted pollutant loads from the combined sewer system, separate storm water system and the upstream boundary, the water quality in each receiving water was predicted for average year conditions.

## 6. HOW IS EACH RECEIVING WATER DIFFERENT?

Each receiving water in the District has unique characteristics which are summarized below:

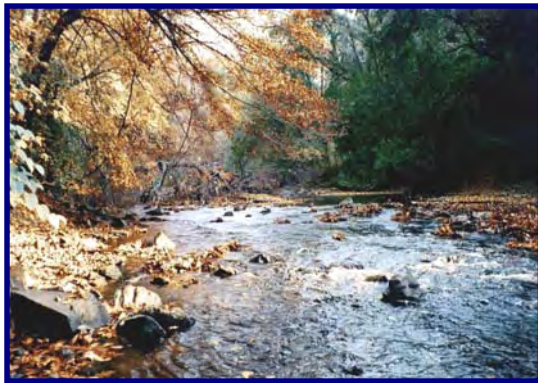
Anacostia River - The Anacostia River is a relatively stagnant water body significantly affected by the tide. Both dissolved oxygen and bacteria concentrations are problems. Low dissolved oxygen levels typically occur in the summer months of June to August and typically follow a significant local or upstream wet weather event. The low dissolved oxygen is driven by the naturally low saturation level of oxygen in the water due to the high water temperature and the influx of pollutant loads from wet weather events. The sluggish nature of the river does not allow effective re-aeration, contributing to the low dissolved oxygen. In addition to direct loads of oxygen-consuming pollutants from CSO, storm water, and the upstream boundary, the sediments in the Anacostia River are known to exert a substantial oxygen demand. Dissolved oxygen levels below 2 mg/L can occur several times per summer month, with each episode lasting 1 to 2 days. Fish kills have been observed in the past under these conditions. Bacteria concentrations (fecal coliform) are relatively high and are predicted to exceed the Class A monthly standard for the majority of the average year. In addition to CSO, bacterial pollution from storm water and the upstream boundary are significant.



**Anacostia River**



Rock Creek - Rock Creek is a free-flowing stream that is unaffected by the tide for most of its length. The stream is naturally aerated by turbulence as it flows over the irregular bottom of the creek bed. There is no evidence of low dissolved oxygen problems in Rock Creek and bacteriological concentrations are the primary concern. Bacteria (fecal coliform) concentrations in Rock Creek are predicted to be above the Class A monthly standard every month in the average year under existing conditions. The majority of the load comes from storm water and upstream sources. The volume of water in Rock Creek in any particular section is relatively small. As a result, it is not able to absorb significant pollutant loads without causing relatively high bacteria concentrations in the creek. The free-flowing nature of the creek causes relatively short residence time of wet weather pollution.



**Rock Creek**

Potomac River - The water quality of the Potomac River is much better than that in the Anacostia River or Rock Creek. This is due both to the low pollutant loads and the size and assimilative capacity of the river.

In the upstream reaches of the river from the Memorial Bridge to Georgetown, the Class A bacteria standard is only predicted to be exceeded one month out of the year by a relatively small amount. Downstream of the Memorial Bridge, no exceedances are predicted

on a monthly basis. Low oxygen is not a significant problem in the Potomac River.



**Potomac River**

### 7. WHAT ALTERNATIVES WERE CONSIDERED?

A wide range of technologies was considered to control CSOs. The technologies are grouped into the following general categories:

**Source Controls** – such as public education, a higher level of street sweeping, additional construction site controls, more frequent catch basin cleaning, and garbage disposal bans

**Inflow Controls** – such as Low Impact Development-Retrofit, rooftop greening, storm water treatment, street storage of storm water, rain leader disconnections, extending storm sewers to receiving waters

**Sewer System Optimization** - such as real time control, storing combined sewage in existing sewers, revision to facility operations

**Sewer Separation** – partial and complete separation

**Storage Technologies** – such as retention basins and tunnels

# Control Plan Highlights

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**Treatment Technologies** - such as screening, sedimentation, high rate physical chemical treatment, swirl concentrators and disinfection

**Receiving Water Improvement** – such as aeration and flow augmentation

Each technology was evaluated for its ability to reduce CSO volume and the pollutants in CSO. After the initial screening, groups of technologies were assembled into control plans for each receiving water. The alternatives were evaluated against the following criteria:

- **Regulatory Compliance** – Ability to meet the EPA CSO Policy which is now part of the Clean Water Act, D.C. Water Quality Standards, the total maximum daily loads (TMDLs) developed by the District of Columbia Department of Health for dissolved oxygen and water clarity for the Anacostia River, and WASA's existing National Pollutant Discharge Elimination System (NPDES) Permit.
- **Cost effectiveness** – Ability to achieve the greatest benefit at the lowest reasonable cost.
- **Northeast Boundary Flooding** – Ability to relieve street flooding and basement sewer back-ups from the combined sewer system in the Northeast Boundary area.
- **Non-monetary factors** – Implementability, operational complexity, ability to upgrade and other non-monetary factors.
- **Public Acceptance** – Responsiveness to public comments.

In accordance with EPA guidelines, each alternative was configured and evaluated to reduce CSO overflows to between zero and 12 events per average year. Note that control plans which achieve zero overflows for all storms in the 1988-1990 analysis period would not eliminate overflows under all conditions. For that reason, complete sewer separation that would achieve zero CSO overflows under all

conditions was also evaluated. Costs, CSO overflow volume reductions, and benefits to receiving waters were evaluated for each level of CSO control.

## 8. HOW HAS THE PUBLIC BEEN INVOLVED?

WASA conducted an extensive public participation program designed to educate the affected public and to obtain their input and consultation in selecting the long term CSO controls. The public participation process included public meetings, establishment of a Stakeholder Advisory Panel, and an elaborate public information process. Four public meetings have been held to educate the public and to obtain feedback about CSO issues. At the request of the public during the first public meeting, a Stakeholder Advisory Panel was formed. The panel consisted of representatives from government agencies, regulatory agencies, citizens' groups, and environmental advocacy groups that are concerned about water quality issues within the District. Twelve Panel meetings were held during development of the LTCP.

In addition, the public outreach program included educational mailers in water and sewer bills, establishment of a CSO website, creation of a CSO mailing list, informational CSO newsletters, and establishment of public information depositories.

After release of the Draft LTCP, nine neighborhood meeting were held throughout the District to explain the program and obtain public comments. The D.C. Council and WASA held public hearings on the plan. Informational mailers, WASA's website and presentations to interested groups were also used to obtain input on plan. The Draft LTCP was well publicized and members of the public provided thoughtful comments. Over 2,300 comments were received on the Draft LTCP.

### 9. WHAT IS THE RECOMMENDED PLAN?

WASA is committed to improving the quality of the Anacostia River, Rock Creek, and the Potomac River. The recommended LTCP has been selected to provide a significant improvement in the quality of each receiving water while balancing the affordability to ratepayers. The recommended LTCP consists of many elements and program components. Table 3 lists the components by receiving water. Figure 4 shows the location of the principal elements.

The principle components of the control program are described below.

**System Wide Controls** - WASA recommends the implementation of Low Impact Development Retrofit (LID-R) in the District. In addition to reducing CSOs, LID-R also has ancillary benefits such as reducing storm water volume and pollutant concentrations, reducing cooling costs and increasing aesthetic value. Reduction of storm water pollution is a part of the District's storm water management efforts as part of its Municipal Separate Storm Sewer (MS4) Permit. Since WASA does not control development or redevelopment in the District, WASA cannot mandate application of LID-R. WASA will, however, incorporate LID-R techniques into new construction or reconstruction on WASA facilities where applicable, and will act as an advocate for LID-R in the District.

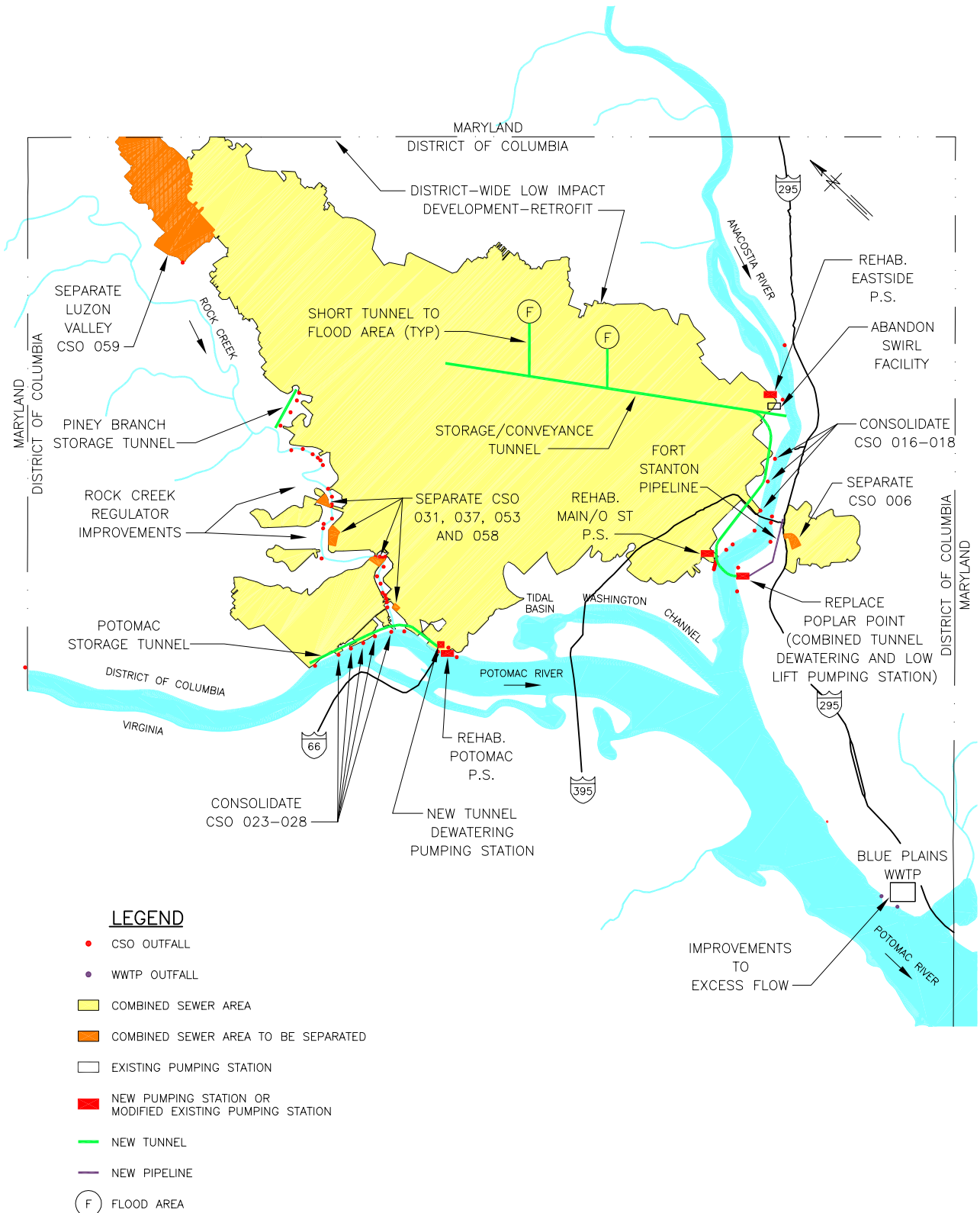
In addition to these, WASA looks forward to participating in a partnership with others to investigate the feasibility of apply LID-R in an urban setting. Possible goals of the partnership would be to demonstrate and evaluate LID-R effectiveness on a sewershed basis, establish design, construction and performance standards, assess costs, and determine practicality. Given the Federal Government's role in the District and its interest is identifying techniques that could be applied elsewhere, a significant Federal

participation in such a partnership would be appropriate.

WASA would also be willing to participate in a watershed forum or planning group, with a Federal presence, to address pollution in the watershed. The LTCP has identified that storm water is one of the major pollution sources for all of the urban watersheds. Storm water pollution is a common concern of the District, Virginia and Maryland. This could serve as a catalyst to create the forum and to strive for solutions.

**Anacostia River Components** - The control measures selected for the Anacostia River are predicted to limit overflows to two events per average year. During the three year analysis period (1988-1990), the frequency of overflow ranged from one per year to three per year for dry and wet years, respectively. The controls were selected to make maximum use of existing facilities and to provide supplemental storage via a tunnel to control overflows. Major elements of the controls include the rehabilitation of Main, 'O' Street, and Eastside pumping stations, separation of a CSO on the east side of the Anacostia River, construction of a storage/conveyance tunnel from Poplar Point to Northeast Boundary and construction of a pipeline from Fort Stanton to Poplar Point to address the remaining CSOs on the east side of the Anacostia. An additional leg of the tunnel will be constructed parallel to the Northeast Boundary Sewer and to several low lying areas to provide additional storage for CSO and to relieve street and basement flooding in the Northeast Boundary area. The existing Poplar Point Pumping Station will be replaced by a new facility located at the end of the tunnel that both dewater the tunnel and replaces the function of the existing pumping station. In addition, three CSOs on the west side of the River near the marinas will be consolidated to eliminate their impacts to this area of the River. One CSO on the east side of the river will be eliminated by separation. Once the tunnel is operational,

FIGURE 4



## RECOMMENDED CONTROL PROGRAM

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**Table 3**  
**Recommended Control Program Elements and Estimated Costs**

Component	Capital Cost Opinion (Millions, ENR=6383)	Annual Operation and Maintenance (Millions, ENR=6383)
<b>System Wide</b>		
<u>Low Impact Development – Retrofit (LID-R)</u> – Advocate implementation of LID-R throughout entire District. Provide technical and regulatory assistance to District Government. Implement LID-R projects on WASA facilities where feasible.	\$3	\$0.11
<b>Anacostia River</b>		
<u>Rehabilitate Pumping Stations</u> – Rehabilitate existing pumping stations as follows: <ul style="list-style-type: none"> <li>Interim improvements at Main and ‘O’ Street Pumping Stations necessary for reliable operation until rehabilitation of stations is performed.</li> <li>Rehabilitate Main Pumping Station to 240 mgd firm sanitary capacity. Screening facilities for firm sanitary pumping capacity only.</li> <li>Rehabilitate Eastside and ‘O’ Street Pumping stations to 45 mgd firm sanitary capacity</li> <li>Interim improvements at existing Poplar Point Pumping Station necessary for reliable operation until replacement pumping station is constructed as part of storage tunnel</li> </ul>	\$115	\$0 <sup>1</sup>
<u>Storage Tunnel from Poplar Point to Northeast Boundary Outfall</u> – 49 million gallon storage tunnel between Poplar Point and Northeast Boundary. Tunnel will intercept CSOs 009 through 019 on the west side of the Anacostia. Project includes new tunnel dewatering pump station and low lift pumping station at Poplar Point.	\$332	\$7.98
<u>Storage/Conveyance Tunnel Parallel to Northeast Boundary Sewer</u> – 77 million gallon storage/conveyance tunnel parallel to the Northeast Boundary Sewer. Also includes side tunnels from main tunnel along West Virginia and Mt. Olivet Avenues, NE and Rhode Island and 4 <sup>th</sup> St NE to relieve flooding. Abandon Northeast Boundary Swirl Facility upon completion of main tunnel.	\$452	
<u>Outfall Consolidation</u> – Consolidate the following CSOs in the Anacostia Marina area: CSO 016, 017 and 018	\$27	\$0 <sup>1</sup>
<u>Separate CSO 006</u> – Separate this CSO in the Fort Stanton Drainage Area	\$3	\$0.01
<u>Ft Stanton Interceptor</u> – Pipeline from Fort Stanton to Poplar Point to convey CSO 005, 006 and 007 on the east side of the Anacostia to the storage tunnel.	\$11	\$0.04
<b>Anacostia Subtotal</b>	<b>\$940</b>	<b>\$8.03</b>
<b>Rock Creek</b>		
<u>Separate Luzon Valley</u> – Completed in 2002.	Completed	\$0
<u>Separation</u> – Separate CSOs 031, 037, 053, and 058.	\$5	\$0.02
<u>Monitoring at CSO 033, 036, 047 and 057</u> – Conduct monitoring to confirm prediction of overflows. If overflows confirmed, then perform the following: <ul style="list-style-type: none"> <li><u>Regulator Improvements</u>: Improve regulators for CSO 033, 036, 047 and 057</li> <li><u>Connection to Potomac Storage Tunnel</u>: Relieve Rock Creek Main Interceptor to proposed Potomac Storage Tunnel when it is constructed</li> </ul>	\$3	\$0.01
<u>Storage Tunnel for Piney Branch (CSO 049)</u> – 9.5 million gallon storage tunnel	\$42	\$0.60
<b>Rock Creek Subtotal</b>	<b>\$50</b>	<b>\$0.63</b>
<b>Potomac River</b>		
<u>Rehabilitate Potomac Pumping Station</u> – Rehabilitate station to firm 460 mgd pumping capacity	\$12	\$0 <sup>1</sup>
<u>Outfall Consolidation</u> – Consolidate CSOs 023 through 028 in the Georgetown Waterfront Area.	\$20	\$0 <sup>1</sup>
<u>Potomac Storage Tunnel</u> – 58 million gallon storage tunnel from Georgetown to Potomac Pumping Station. Includes tunnel dewatering pumping station.	\$218	\$2.78
<b>Potomac River Subtotal</b>	<b>\$250</b>	<b>\$2.78</b>

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Component	Capital Cost Opinion (Millions, ENR=6383)	Annual Operation and Maintenance (Millions, ENR=6383)
<b>Blue Plains Wastewater Treatment Plant</b>		
<u>Excess Flow Treatment Improvements</u> – Four new primary clarifiers, improvements to excess flow treatment control and operations	\$22	\$1.81
<b>Grand Total</b>	<b>\$1,265</b>	<b>\$13.36</b>

Notes: 1. No significant change from existing.

the Northeast Boundary Swirl Facility will be abandoned.

**Rock Creek Components** - The control measures selected for Rock Creek are predicted to limit Piney Branch overflows to one per average year. At Piney Branch, the frequency of overflow ranged from zero per year to two per year for dry and wet years, respectively, during the three-year analysis period. The remaining overflows in Rock Creek will be controlled to 4 events per average year. For these overflows, the frequency of overflow ranged from one per year to six per year for dry and wet years, respectively, during the three year analysis period. The principle control measures include separation of four CSOs, construction of a storage tunnel at Piney Branch, and monitoring and regulator improvements to four CSOs south of Piney Branch.

**Potomac River Components** - The control measures selected for the Potomac River are predicted to limit overflows to four events per average year. During the three year analysis period, the frequency of overflow ranged from zero per year to five per year for dry and wet years, respectively. The principle control measures include rehabilitation of the Potomac Pumping Station and construction of a storage tunnel from west of the Key Bridge, along the Potomac River waterfront parallel to Georgetown, and terminating at Potomac Pumping Station. The tunnel will intercept the Georgetown CSOs and the large CSOs downstream of Rock Creek. A new pumping station would be constructed at Potomac Pump Station to dewater the tunnel. In addition, the

LTCP will consolidate and close all CSOs between the Key Bridge and Rock Creek to remove the impact of these CSOs from the Georgetown waterfront area.



**Blue Plains Advanced  
Wastewater Treatment Plant**

**Blue Plains Wastewater Treatment Plant (BPWWTP) Components** – BPWWTP has an existing excess flow treatment system designed to provide screening, grit removal, primary treatment, and disinfection to storm flows up to 336 mgd. Improvements to the excess flow treatment train are recommended to improve performance and reliability. These improvements consist of the addition of four new clarifiers and appurtenant weir and control system improvements. In addition, the BPWWTP conducts voluntary denitrification in accordance with the Chesapeake Bay Agreement. The plant uses the existing nitrification reactors to conduct both nitrification

and denitrification. Nitrification capacity was reduced to the first four stages of the reactor, to accommodate denitrification in the last stage. This approach to denitrification utilizes one facility for two processes. There are difficulties in conducting denitrification under all conditions of flow, load and temperature. This was shown to be the case when implementation of nitrogen removal was negotiated with regulatory agencies. Experience with the full scale facility has shown that the denitrification process produces poorly settling solids which contribute to solids washouts and blinding of the effluent filters at high flow rates. This is due to attempting to treat high flows during storm events simultaneously with nitrification-denitrification using the same tankage, particularly during cold weather. Based on this experience, it appears that BPWWTP will not be able to reliably denitrify under high flow conditions. Because the Chesapeake Bay Program is considering revised nitrogen limits for the Bay, future NPDES permits may require nitrogen removal at Blue Plains to an effluent concentration as low as 3 mg/L. Chesapeake Bay Program Goals may thus dictate nitrogen removal requirements at the plant, and further measures should be based on the final outcome of the Bay Program. No costs for additional nitrogen removal are included in the LTCP.

### 10. WHAT ARE THE BENEFITS OF THE RECOMMENDED PLAN?

The selected CSO control program is expected to provide the following benefits:

- Reduction of CSO overflow volume
- Outfall elimination
- Improved water quality
- Reduction in floating trash on receiving waters

Each of these is described in greater detail below:

**Reduction of CSO Overflow Volume** – The frequency and volume of CSO overflows will be

greatly reduced as a result of the recommended LTCP. Table 4 illustrates the reduction in overflows:

**Table 4**  
**CSO Overflow Reduction of Recommended Plan (Average Year)**

Item	Anacostia River	Potomac River	Rock Creek	Total System
<b>CSO Overflow Volume (million gallons/yr)</b>				
No Phase I Controls	2,142	1,063	49	3,254
<i>Recommended Plan</i>	54	79	5	138
% Reduction	97.5%	92.5%	89.8%	95.8%
<b>Number of Overflows/yr</b>				
No Phase I Controls	82	74	30	-
<i>Recommended Plan</i>	2	4	1 / 4 <sup>1</sup>	-

Notes: 1. One at Piney Branch, four at the other Rock Creek CSOs.

The recommended CSO plan is predicted to reduce CSO overflows to 138 million gallons or by about 96% on a system-wide basis compared to 1991 conditions (No Phase I Controls). In the Anacostia the number of overflows are predicted to decrease from the current 82 per average year to 2 per average year. Similarly, the number of overflows in the Potomac River and Rock Creek are predicted to decrease from 74 and 30 to 4 and 1 per average year respectively. In addition to demonstrating reductions in overflows from current levels, EPA's CSO Policy calls for calculating the percentage of combined sewage that is captured for treatment in the combined sewer system. The percentage of capture without the Phase I CSO controls is already very high at 76%, primarily due to the ability of BPWWTP to treat high flows during wet weather events. With implementation of the recommended LTCP, the CSO capture rate is predicted to be 99% on a system wide, annual average basis. This is extremely high when compared to EPA's guideline of 85% capture.



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**Outfall Elimination** – The recommended plan will eliminate 14 CSO outfalls by separation and consolidation. The outfalls were selected based on proximity to public use areas and include those along the Georgetown waterfront and along the Anacostia Marinas. The outfalls to be eliminated are listed in Table 5. The outfalls to be eliminated along the Anacostia and the Potomac River are also shown on the following page using aerial photographs.

**Table 5**  
**Outfalls to be Eliminated**

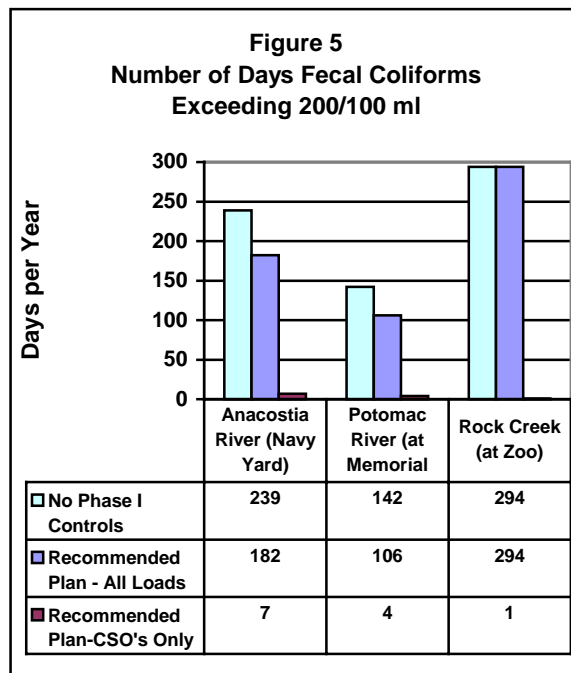
Receiving Water	Outfall Eliminated	Location	Method of Elimination
Anacostia	CSO 006	Fort Stanton	Separation
Anacostia	CSO 016	Anacostia Marinas	Consolidation
Anacostia	CSO 017	Anacostia Marinas	Consolidation
Anacostia	CSO 018	Anacostia Marinas	Consolidation
Potomac	CSO 023/024	Georgetown	Consolidation
Potomac	CSO 025	Georgetown	Consolidation
Potomac	CSO 026	Georgetown	Consolidation
Potomac	CSO 027	Georgetown	Consolidation
Potomac	CSO 028	Georgetown	Consolidation
Rock Crk.	CSO 031	Penn Ave.	Separation
Rock Crk.	CSO 037	Kalorama Circle	Separation
Rock Crk.	CSO 053	Q St.	Separation
Rock Crk.	CSO 058	Connecticut Avenue	Separation
Rock Crk.	CSO 059	Luzon Valley	Separation Complete
<b>Total Number</b>	<b>14</b>		

**Improvements to Water Quality** –Bacteria and dissolved oxygen are the two common performance measures used to assess water quality and the benefits provided by CSO control.

### Bacteria

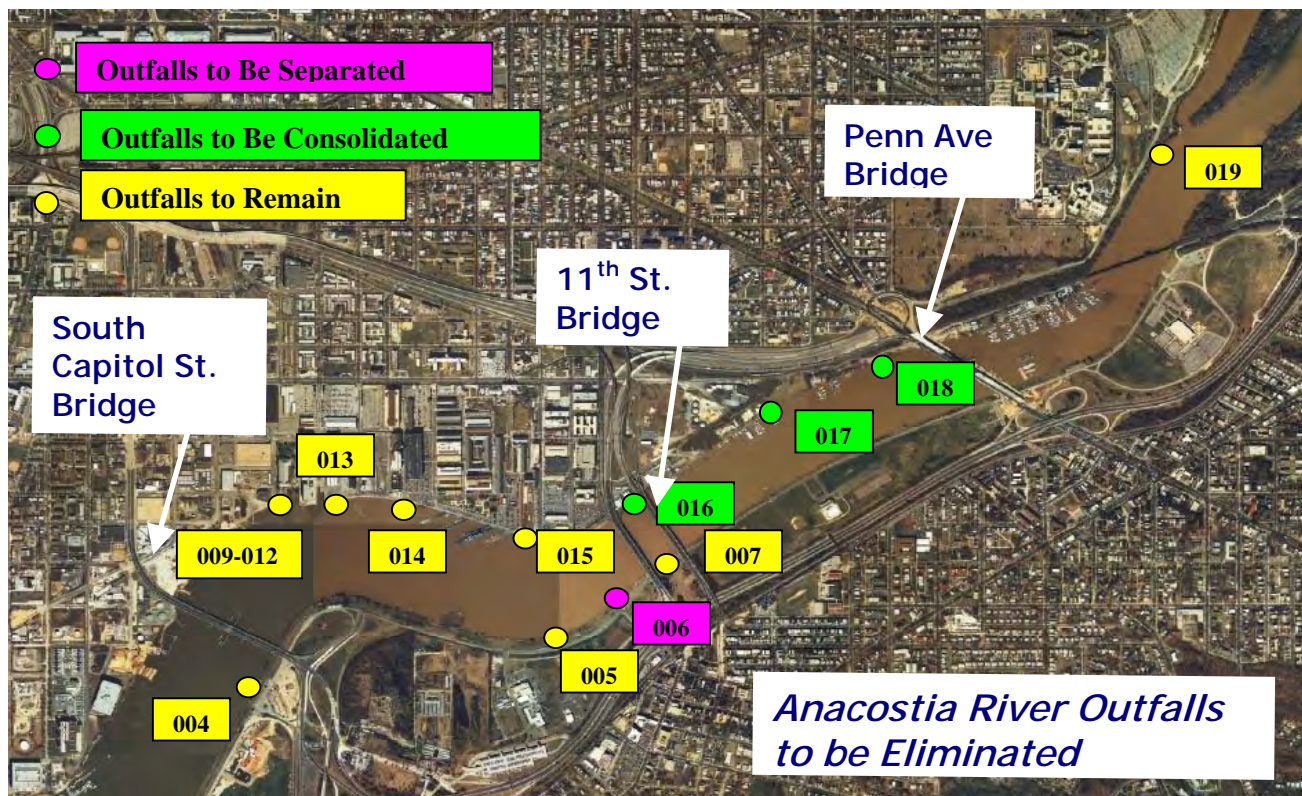
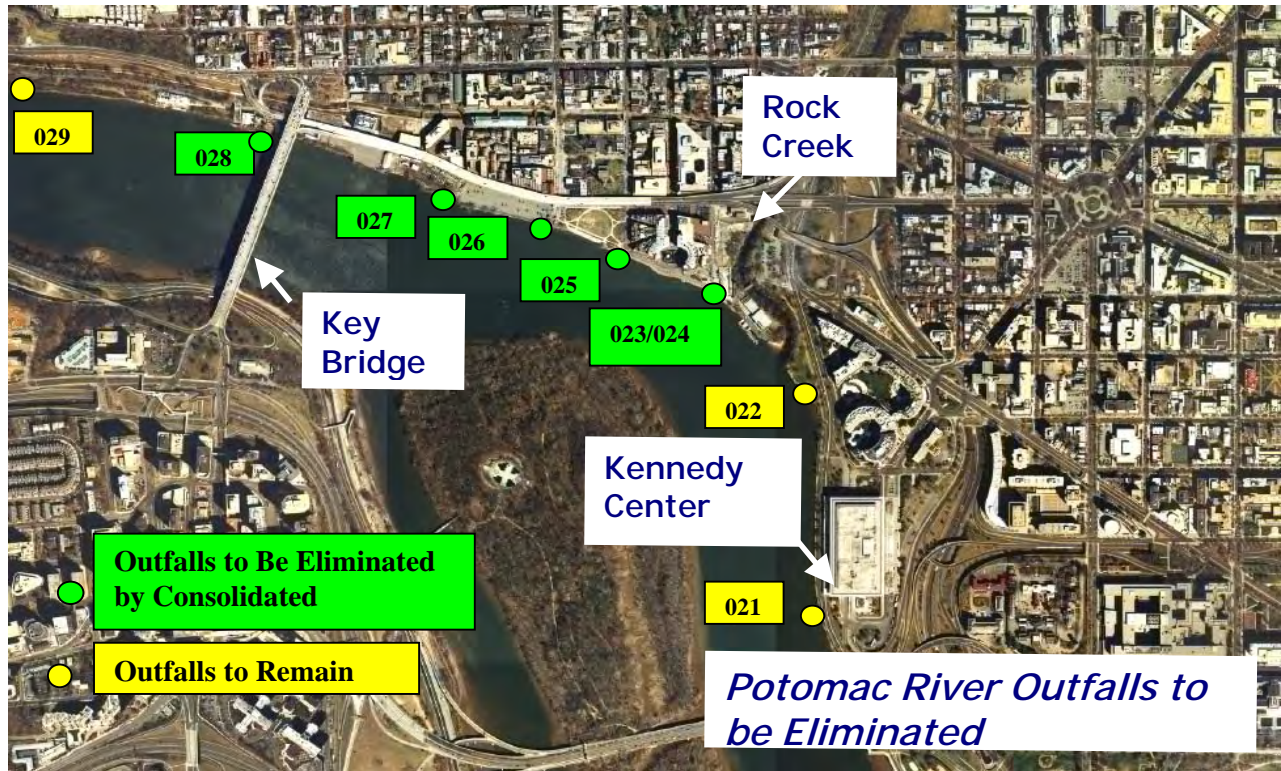
By themselves, CSOs will meet the fecal coliform bacteria water quality standard in all the receiving waters. However, the analyses conducted as part of the LTCP demonstrated that

other sources of bacteria will prevent meeting the Class A water quality standard for fecal coliform in the Anacostia River and Rock Creek, much of the time. Figure 5 shows the number of days where the predicted fecal coliform concentration is greater than 200/100 ml.



In the Anacostia River, implementation of the recommended LTCP will reduce the number of days where the predicted concentration is above 200/100 ml from approximately 239 days to 182 days. Figure 5 also shows the predicted days the concentration in the receiving waters would exceed 200 due to CSOs if there were no other sources of bacteria in the river. Of the 182 days predicted to exceed 200/100ml, 7 days in the year would be caused by CSOs. Of those 7 days, 5 are in the period May through September, the period of most likely primary contact recreation. A similar pattern is observed for the Potomac River and Rock Creek. Additional CSO controls provide incrementally smaller benefits at greatly increased costs.

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In the Anacostia River, implementation of the recommend LTCP will significantly reduce the concentrations of bacteria in the receiving waters. As an example, the fecal coliform concentrations in May in the Anacostia at the Navy Yard are predicted to decrease from about 3,300 organisms/100ml (no Phase I Controls) to about 800 organisms/100ml (4 overflows per year).

### Dissolved Oxygen

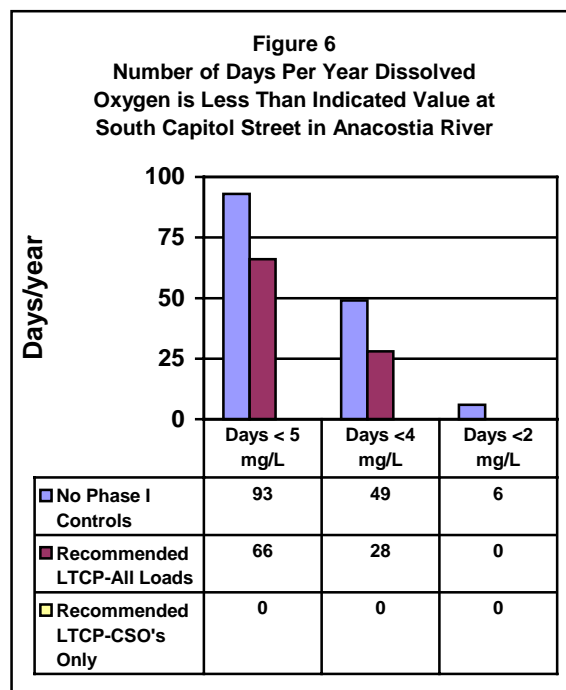
Dissolved oxygen is not a significant concern in Rock Creek or the Potomac River because existing water quality standards are met the majority of the time. The reduction of CSO overflows to these receiving waters will reduce the quantity of pollutants which contribute to oxygen deficiencies.

In the Anacostia River, dissolved oxygen is a significant concern. Low dissolved oxygen levels typically occur in the summer months of June to August and typically follow a significant local or upstream wet weather event. The low dissolved oxygen is driven by the naturally low saturation level of oxygen in the water due to the high water temperature, the influx of pollutant loads from wet weather events, and the demand exerted by polluted sediments in the river bottom. Dissolved oxygen levels below 2 mg/L can occur several times per summer month, with each episode lasting 1 to 2 days. Fish kills have been observed in the past. Figure 6 shows the projected benefits provided by the recommended CSO plan at South Capitol Street.

In addition to the number of days less than 5 mg/L, the figure also shows the number of days less than 4 mg/L and 2 mg/L. Below 4 mg/L, certain fish begin to experience stress, while dissolved oxygen levels below 2 mg/L cause a risk of fish kill.

It is predicted that the recommend LTCP will reduce the number of days less than 5 mg/L from approximately 93 to 66. A similar reduction is observed for the 4 mg/L threshold. At South Capitol Street, the selected plan is predicted to eliminate the number of days less

than 2 mg/L, the fish kill threshold. It is important to note that dissolved oxygen levels below 2 mg/L are still predicted to occur at other locations in the river such as at the Navy Yard and RFK Stadium.



The assessments conducted as part of the LTCP have demonstrated that it is not possible to meet the water quality standard or to prevent dissolved oxygen from dropping below 2 mg/L anywhere along the Anacostia through CSO control alone. Control of other sources in conjunction with CSO control is required.

**Reduction of Floating Trash on Receiving Waters** - Solids and floatables on the receiving waters come from the following sources:

- Combined sewer overflows
- Storm water outfalls
- Littering and dumping directly into or along the receiving waters
- Upstream sources

Implementation of the recommended control plan will virtually eliminate solids and floatables

from combined sewer system discharges because the majority of CSOs will be captured and treated. For storms that are beyond the capacity of the proposed controls, the first flush of CSO which contains the vast majority of solids and floatables will be captured and treated. Overflows from the proposed control system will typically occur near the end of extreme storm events after most of the solids and floatables have been washed from the streets and captured by the control facilities. In addition, the following control measures will be implemented:

- WASA will incorporate floatables control for overflows which exceed the capacity of the recommended control plan into the design of new CSO diversion structures/facilities which will be constructed as part of the recommended plan, where practical.
- WASA continues to operate the Anacostia River Floatable Debris Removal Program, which consists of skimmer boats that remove solids and floatables from the Anacostia and Potomac Rivers. Note that this program removes materials from the rivers from all sources, not just from CSOs.



**WASA Skimmer Boat**

- WASA continues to operate the Floating End of pipe netting system at CSO 018 on the Anacostia River
- The storm water pumps at the Main and O Street Pumping Stations incorporate trash racks on the influent side of the pumps that remove floatables before discharge to the Anacostia River.



**Floating End-Of-Pipe Netting System at CSO 018 – Anacostia River**

After implementation of the recommended plan, a large amount of trash may still be present due to sources other than CSO. Control of these other sources in a watershed-based approach is recommended.

### **11. WHAT ARE THE MAJOR FINDINGS OF THE LTCP?**

The following are findings regarding the impact of the recommended LTCP on water quality:

- Bacteria conditions are a problem in all three receiving waters. CSO control will significantly reduce the concentrations of bacteria, but will not result in conditions in the river that meet water quality standards all the time because of pollution from storm water and upstream sources. Control of other sources coupled with CSO control is

## Control Plan Highlights

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required to meet current water quality standards

- Elimination (by separation) of combined sewer discharges to the receiving waters is not economically feasible for the District and has numerous drawbacks, including the disruption associated with constructing essentially a new sewer system for one-third of the District. The recommended plan is predicted to provide better water quality than separation. This is due to the large amount of storm water that is collected in the combined sewer system and treated prior to discharge.
- Significant sources of bacteria are found in storm water runoff and in water entering the District from upstream sources. Cost-effective and reliable technical programs to reduce these pollution sources to the degree required to meet current water quality standards may not be available for the foreseeable future.
- The recommended plan for CSO control will meet the geometric mean bacteria standard in all receiving waters. Initial discussions with the D.C. Department of Health indicate it will also meet the fecal coliform TMDL which is expected to be promulgated for all receiving waters.
- CSO control will improve the dissolved oxygen levels in the Anacostia River. However, CSO control alone will not allow the dissolved oxygen standard to be met and will not prevent the dissolved oxygen from dropping below the level where fish kills are possible. Control of storm water and upstream sources are required to achieve this standard.

- The recommended control plan will virtually eliminate solids and floatables from the combined sewer system because the majority of CSOs will be captured and treated. For storms which are beyond the capacity of the proposed control system, the first flush of CSO which contains the vast majority of solids and floatables will be captured and treated. After implementation of the recommended plan, a large amount of trash may still be present due to sources other than CSO. Control of these other sources in a watershed-based approach is recommended.

### **12. COMPARISON OF FINAL LTCP TO DRAFT LTCP**

The Final LTCP described in this report represents a major increase in CSO control over the Draft LTCP that was released in June 2001. In developing the Final LTCP, consideration was given to public and regulatory agency comments, the CSO Policy, the need to meet D.C. water quality standards, and existing and prospective TMDLs for the receiving waters. Particular attention was paid to separation, outfall elimination, low impact development and increasing the level of CSO control. Major advances in each of these categories have been made. The Final LTCP is compared to the Draft in Table 6.

**Table 6**  
**Comparison of Final and Draft LTCPs**

Item	Draft LTCP	Final LTCP
<b>No. CSO Overflows/Avg. Year</b>		
Anacostia	4	2
Potomac	12	4
Rock Creek at Piney Branch	4	1
Rock Creek – other outfalls	4	4
<b>CSO Overflow Volume (mg/avg yr)</b>		
Anacostia	93	54
Potomac	153	79
Rock Creek	13	5
Total	259	138
% Reduction From Existing	92%	96%
% Reduction on Anacostia	96%	98%
<b>System Characteristics</b>		
CSO Storage Volume (mg)	147	193
No of CSO Outfalls	60	46
<b>Water Quality Criteria</b>		
Meets Oxygen and Bacteria Water Quality Standard for Design Condition?	Yes	Yes
Meets Anacostia BOD and TSS TMDLs?	BOD - Yes TSS - Yes	Yes
<b>Cost</b>		
Capital Cost ( Billions, Year 2001)	\$1.05	\$1.265
Cost Increase over Draft LTCP	-	20%

## 13. FINANCIAL IMPACTS

Financing CSO programs in an equitable manner without placing an unreasonable burden on ratepayers is one of the most challenging aspects facing CSO communities. WASA has used the following two methods to document the burden on the District of the proposed LTCP:

- Long-term rate impact analyses using the Authority's financial planning and rates model, and
- Affordability analysis using procedures developed by EPA.

A key indicator of the affordability of the proposed LTCP is the impact on the annual household budgets for District ratepayers as measured by the timing and extent of the required annual rate increases. To document the actual impact on household budgets and to

supplement the EPA approach, WASA conducted an analysis of the impacts of the CSO program on wastewater rates.

To finance its current \$1.6 billion capital program, annual increases in retail rates of approximately 6.5% to 7.0% through FY 2008 followed by 6% annual increases from FY 2009 through FY 2012 will be required. Over the long-term, WASA is projecting that future necessary infrastructure re-investment will continue to require steady rate increases of about 5% per year. This longer-term outlook is consistent with national infrastructure studies that document the need for doubling of rates over 20 years for infrastructure investment. Under this "baseline" scenario, the annual cost for water and wastewater for a typical residential customer with metered consumption of 100 CCF per year will increase 113% (from \$290 to \$617) in fifteen years.

Implementation of the LTCP will result in additional rate increases and higher costs to the Authority's customers over and above the increases needed to fund the baseline capital program. Through analysis of a range of LTCP implementation schedules WASA has determined that the only rates impacts that are feasible are those associated with the longest implementation schedules. Table 7 displays the impacts for a 100 CCF customer over 15 years for the baseline and for several LTCP implementation schedules.

**Table 7**  
**Rate Impacts of the CSO LTCP on 100 CCF Residential Customer**

	FY 2003 Annual Bill	Annual Bill in 15 Years	Annual Rate Increases Over 15 Years
Baseline – No LTCP	\$290	\$617	6.0%
Baseline + 40-yr LTCP	\$290	\$722	7.2%
Baseline + 30-yr LTCP	\$290	\$795	8.0%
Baseline + 20-yr LTCP	\$290	\$942	9.4%
Baseline + 15-yr LTCP	\$290	\$1,002	9.9%

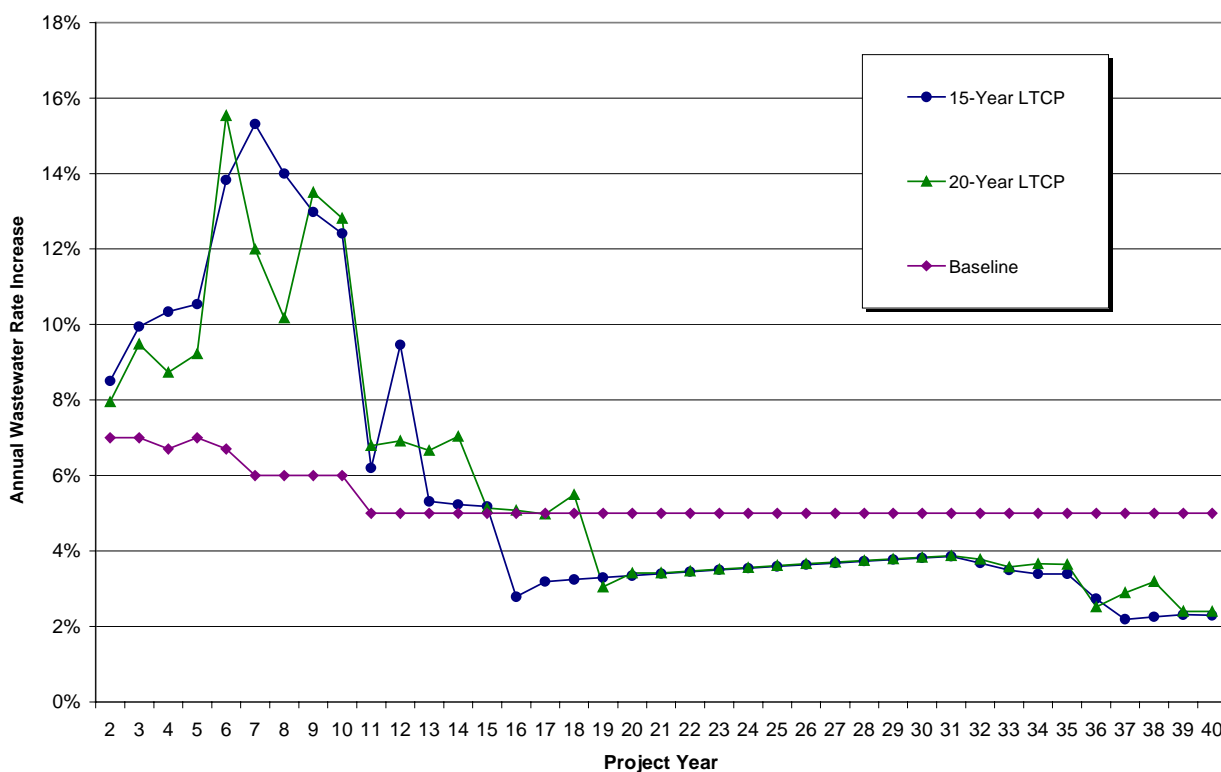
## Control Plan Highlights

If WASA implemented the proposed LTCP over a 40-year period, a typical residential customer with annual metered water consumption of 100 CCF will see their annual wastewater costs rise from \$290 to \$722 in 15-years; a 150% increase.

Shorter LTCP implementation schedules create too high a burden on the Authority's rate payers in terms of rapid escalation of the cost of wastewater services. The 15 and 20-year LTCP implementation schedules would require a large number of consecutive "double-digit" rate increases when the costs of those programs are added to the demands imposed by the baseline investment in water and wastewater infrastructure. As shown in Figure 7, the 15-

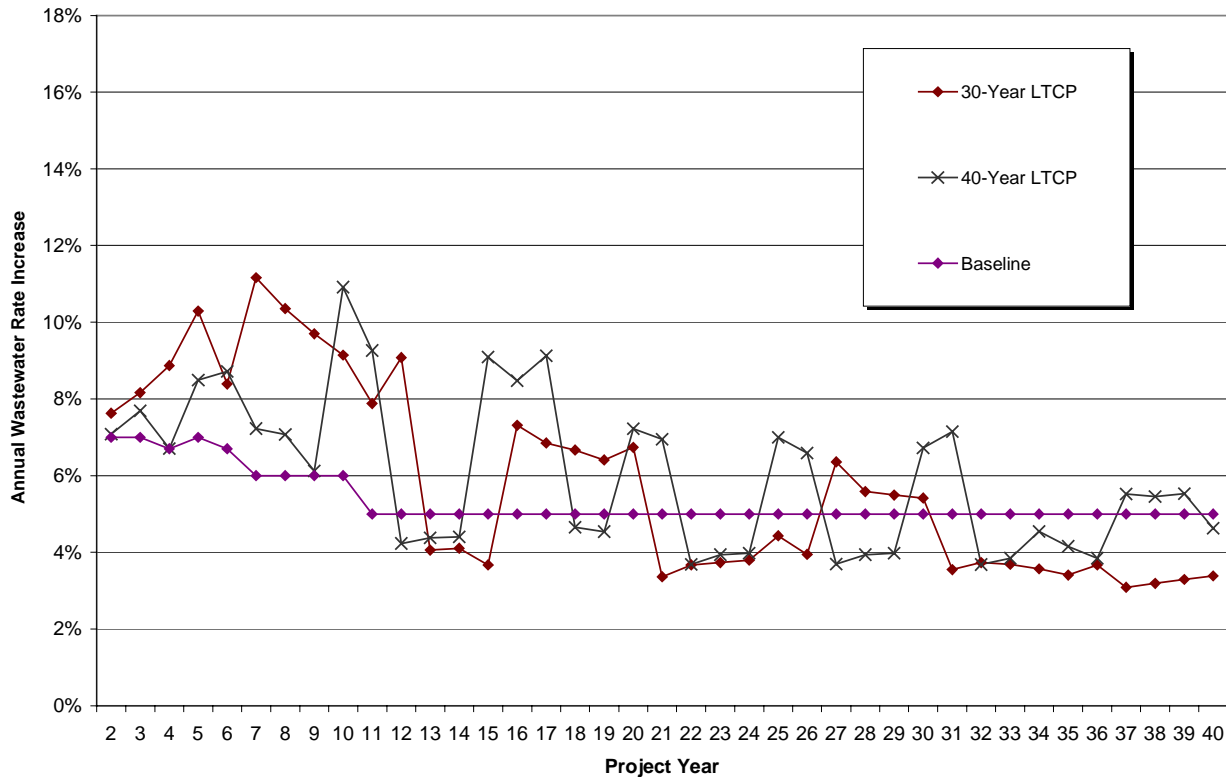
year program is projected to require 8 consecutive increases over 10% per year. Such rate increases would outpace expected growth in household incomes by two to three times, thereby eroding household resources for other items. As shown in Figure 8, longer implementation schedules require lower peak rate increases and reduce the number of increases over 10% from 8 consecutive increases to fund the 15-year schedule to a single increase exceeding 10% in the case of the 40-year schedule.

**Figure 7**  
**Annual Rate Increases required for 15 and 20-Year LTCP Plans**





**Figure 8**  
**Annual Rate Increases required for 30 and 40-Year LTCP Plans**



There are two ways to reduce the rate impacts of a shorter LTCP implementation schedule, external funding assistance and deferral of other water and wastewater capital expenditures. External assistance targeted at limiting peak rate increases can reduce the severe impacts of high annual rate increases associated with the shorter programs. External assistance of approximately 62% of the capital cost of the program can keep rate increases to 8% per year as shown in the following chart. Total external capital assistance under this scenario would be \$960 million. It is important for any external assistance to reflect year-of-expenditure values or the actual “cost to complete” the project. If external assistance is determined on current dollars or on an amount per year, the cost to complete and inflation risks are shifted to ratepayers.

The EPA’s approach involves calculating the cost per household (CPH) for residential customers for current and proposed wastewater

treatment and CSO control costs. The CPH is used in conjunction with the median household income (MHI), estimated at \$39,760 per year in 2001, to estimate residential impacts. Residential impacts are considered by EPA to be ‘low’ if the CPH is less than 1% of the MHI, ‘medium’ if the CPH is between 1% and 2% of the MHI, and ‘high’ if the CPH is greater than 2% of the MHI. The CPH is combined with other factors such as unemployment rate, property tax collection rates and other factors to develop an overall assessment of financial burden.

In the District, there is a distinct clustering of household incomes at the lower and upper extremes of the income spectrum. Because of the disproportionate number of low-income households in the District, the impact of wastewater treatment and CSO control costs on the lowest 20% of income distribution in the District was calculated. The analysis was

## Control Plan Highlights

performed for the maximum income in this category, which is \$18,000 per year.

Table 8 summarizes the results of the analysis. For median incomes, wastewater treatment costs including the proposed CSO controls are projected to impose a medium burden according to EPA guidelines. Current wastewater treatment costs alone impose a medium burden

on lower income households. Addition of CSO controls to low income households increases the burden level to EPA's highest level, reaching nearly 3.5% of household income alone for wastewater costs. Various levels of Federal assistance are also listed showing the degree to which they reduce the CPH as a percent of median income.

**Table 8**  
**Cost Impacts on Residential Customers (Year 2001 Dollars)**

Scenario	Cost Per Household for Wastewater Treatment (\$/yr)	Cost Per Household as % of Income	
		Median Incomes	Upper end of Lower 24% of Incomes (\$18,000/yr Income)
Current Residential Bill (April 2001)	\$271	0.8%	1.5 %
After Completion of Current Capital Improvement Program, but no additional CSO controls <sup>1</sup>	\$329	0.83%	1.83%
Current Capital Improvement Program Plus Additional Recommended CSO Controls:			
0% Assistance	\$602	1.51%	3.35%
25% Assistance	\$539	1.36%	3.00%
75% Assistance	\$413	1.04%	2.30%

Notes: 1. Includes cost of rehabilitation of Main, 'O' Street, Eastside and Poplar Point Pumping Stations.

### 14. WHAT IS THE PROPOSED IMPLEMENTATION SCHEDULE?

In accordance with public comments, the schedule for implementing the recommended control plan was developed by giving priority to projects that benefit the Anacostia River. The projects in the LTCP can be divided into two categories: those in the existing Capital Improvement Program (CIP) and those not currently in the CIP. Projects in the CIP have been budgeted and scheduled and these projects will move forward without approval of the LTCP. For projects not currently in the CIP, an implementation schedule has been developed based on years after approval of the LTCP. Based on the financial capability assessment and in order to mitigate the annual rate increases that would be required to fund the full LTCP, a 40-

year implementation time is proposed for the entire recommended plan if no outside financial assistance is received. If significant outside financial assistance is obtained, it is technically feasible to accelerate the schedule to a 15-year implementation time frame. Significant outside assistance on the order of 62% would be required to achieve this schedule.

### 15. WATER QUALITY STANDARDS REVIEW

The current water quality standards for the District of Columbia do not address the transient nature of wet weather events. The standards also include a narrative component, which, among other items, require that discharges be free of untreated sewage. Given the current standards, no alternative short of complete separation can completely eliminate overflows

(and thereby comply with current standards) during all conditions. The analyses conducted as part of the LTCP have shown that complete separation is not economically feasible, has numerous technical drawbacks, and is less beneficial in terms of water quality than the recommended control program. As a result, WASA has selected a LTCP that offers an effective combination of costs, benefits and environmental protection. However, although greatly reduced, CSO discharges will continue to occur under the LTCP and water quality provisions will need to be adopted that address wet weather discharges from the combined sewer system.



Studies conducted as part of the LTCP have demonstrated that pollution sources other than CSOs (storm water, upstream sources, non point sources) cause substantial impairment to the receiving waters. These sources will have to be significantly reduced to reach the equivalent degree of protection that can be achieved by the LTCP. Cost-effective and reliable technical programs to effectively reduce the impact of the other pollution sources may not be available for the foreseeable future. Besides the technical uncertainties of reduction of the other pollution sources, a significant component of these sources originate in political jurisdictions outside the District. Given the history and experience of dealing with diverse pollution sources and other political jurisdictions, the results of future efforts to control these sources cannot be predicted with any degree of certainty.

The CSO studies have shown that the benefits of the LTCP are reliable and implementable. As WASA and the District develop provisions to implement the LTCP, consideration should be given to formation of a watershed based forum to reduce the other pollution sources.

In view of the complex and technically difficult situation regarding control of diverse and undocumented pollution sources, consistent “fishable and swimmable” water quality conditions for District waters receiving CSO discharges may not be achievable, particularly during wet weather. In any case, the recommended LTCP would provide the foundation to work towards “fishable-swimmable” conditions. To such an end, the recommended LTCP would accomplish the following:

- A situation whereby the remaining CSO discharges would not negatively affect achieving the “fishable” component of the “fishable-swimmable” use designation. In this regard, fishing could be practiced whether or not a CSO discharge was occurring.
- A situation wherein the remaining CSO discharges would preclude achieving full body contact a small percentage of the time. However, there would be few occurrences throughout the warm weather recreational period when the public might occasionally be precluded from full body contact by CSO discharges.

Given the magnitude of the investment proposed for CSO control, WASA has a responsibility to protect the investment in the LTCP and to seek wet weather discharge provisions in the water quality standards prior to implementation. Implementing the LTCP without such provisions would expose rate payers to significant economic risk since the control plan would not technically meet water quality standards and would be subject to challenge. A framework for

## Control Plan Highlights

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such provisions in the standards could be as follows:

- Provide for the limited discharges as included in the LTCP to continue. The designated use would be restricted during times of discharge and for a limited time thereafter.
- Develop compliance requirements based on the physical elements of the control plan (e.g. capacity to store a set volume or to convey CSO at a set rate).
- Exclude those wet weather events over and above the capacity of those facilities included in the plan.
- Provide for public notification when discharges are occurring and for established times after discharges cease.
- Provide for a post construction-monitoring program to measure instream conditions.

### 16. WHAT IS COMPLIANCE MONITORING?

A program will be required to monitor performance of the final LTCP. This program would commence as usable components of the final LTCP are placed in operation. The monitoring program would comprise elements as follows:

- Flow monitoring and sampling at representative CSO outfalls on each receiving water system.
- Flow monitoring on representative facilities that transfer flow from CSO outfalls to storage and a system to measure the degree to which storage facilities are filled.
- A visual notification system placed at three or four locations on each receiving water at public access locations. This system would serve to notify the public of the occurrence of overflows based on the flow monitoring at the representative CSO outfalls. The system would

comprise a series of colored lights, flags or pendants.

- An instream monitoring program would be developed to periodically obtain information on water quality. This program could be structured similar to that employed to obtain information for the LTCP.

### 17. WHAT ARE THE NEXT STEPS?

The recommended LTCP has been sent to regulatory agencies and has been made available to the public for review. If regulatory agencies approve the plan, WASA will develop an implementation plan and schedule for the LTCP. In order to make the LTCP a reality in a short time frame, a significant amount of Federal funding will be required.

### 18. HOW CAN I GET MORE INFORMATION?

There are many opportunities to get more information on the LTCP. The complete text of the LTCP can be viewed at the following locations:

- WASA's web site at [www.dcwasa.com](http://www.dcwasa.com), click on "Environment & Education", "Combined Sewer System"
- At the following public libraries:

<b>Martin Luther King Jr.</b>	<b>901 G St, NW in Washingtoniana Room</b>
<b>Capitol View</b>	<b>5001 Central Avenue, SE</b>
<b>Mount Pleasant</b>	<b>3160 16<sup>th</sup> Street NW</b>
<b>Northeast Woodridge</b>	<b>330 7<sup>th</sup> Street NE 18<sup>th</sup> &amp; Rhode Island Avenue NE</b>
<b>Southeast</b>	<b>403 7<sup>th</sup> Street SE</b>

<b>Shepard Park</b>	<b>7420 Georgia Avenue NW</b>
<b>Tenley- Friendship</b>	<b>4450 Wisconsin Avenue NW</b>
<b>Washington Highlands</b>	<b>115 Atlantic Street SW</b>

- Write, call or e-mail WASA at:

Dr. Mohsin Siddique  
CSO Control Program Manager  
D.C. Water and Sewer Authority  
5000 Overlook Avenue, SW  
Washington D.C. 20032  
Tel.: 202-787-2634  
E-mail: [Mohsin\\_Siddique@dcwasa.com](mailto:Mohsin_Siddique@dcwasa.com)



**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**  
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[www.dcwasa.com](http://www.dcwasa.com)

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3-Party Consent Decree Status Reports  
2005-2010



# District of Columbia Water and Sewer Authority



## Community Education Program:

### Floatable Pollution Reduction and Proper Disposal of Household Materials

Winter 2005



## **DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY**

5000 OVERLOOK AVENUE, S.W., WASHINGTON, D.C. 20032

April 19, 2005

Director  
Water Enforcement Division  
Office of Regulatory Enforcement  
U.S. Environmental Protection Agency  
OECA-ORE-WED  
Ariel Rios Building  
12<sup>th</sup> and Pennsylvania Ave., NW  
Washington D.C. 20044

Yvette Roundtree (3RC20)  
Office of the Regional Counsel  
U.S. Environmental Protection Agency  
Region III  
1650 Arch Street  
Philadelphia, PA 19103

Chief  
NPDES Branch (3WP31)  
Water Protection Branch  
U. S. Environmental Protection Agency  
Region III  
1650 Arch Street  
Philadelphia, PA 19106

David Baron  
Earth Justice Legal Defense Fund  
1625 Massachusetts Avenue, NW  
Suite 702  
Washington D.C. 20036-2212

Subject: Quarterly Consent Decree Status Report  
Civil Action Nos. 1:00CV00183TFH and 02-2511 (TFH)

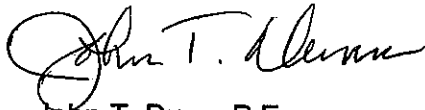
Dear Sir/Madam:

In accordance with the requirements of the subject consent decree, please find enclosed the quarterly status report for the period January through March 2005.

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 ensure 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 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.

Sincerely,

A handwritten signature in black ink, appearing to read "John T. Dunn". The signature is fluid and cursive, with the first name "John" being more prominent.

John T. Dunn, P.E.  
Chief Engineer/Deputy General Manager

Attachment



# **DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY**

5000 OVERLOOK AVENUE, S.W., WASHINGTON, D.C. 20032

July 26, 2005

Director  
Water Enforcement Division  
Office of Regulatory Enforcement  
U.S. Environmental Protection Agency  
OECA-ORE-WED  
Ariel Rios Building  
12<sup>th</sup> and Pennsylvania Ave., NW  
Washington D.C. 20044

Yvette Roundtree (3RC20)  
Office of the Regional Counsel  
U.S. Environmental Protection Agency  
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1650 Arch Street  
Philadelphia, PA 19103

Chief  
NPDES Branch (3WP31)  
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David Baron  
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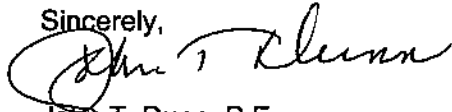
Subject: Quarterly Status Report  
Three-Party Consent Decree  
Civil Action Nos. 1:00CV00183TFH and 02-2511 (TFH)

Dear Sir/Madam:

In accordance with the requirements of the subject consent decree, please find enclosed the quarterly status report for the period April through June 2005.

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 ensure 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 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.

Sincerely,

A handwritten signature in black ink, appearing to read "John T. Dunn". The signature is fluid and cursive, with a large initial "J" and "D".

John T. Dunn, P.E.

Chief Engineer/ Deputy General Manager



**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**  
Serving the Public • Protecting the Environment

## **3-Party Consent Decree Status Report: Quarter No. 2 - 2005**

Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)

July 2005

DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY  
Washington, D.C.

*3-Party Consent Decree Status Report*  
*Quarter No. 2 - 2005*

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5. ON-GOING REQUIREMENTS
6. REQUIREMENTS COMPLETED IN PRIOR QUARTERS



## 1. INTRODUCTION

The District of Columbia Water and Sewer Authority (WASA or Authority) entered into a Consent Decree (CD) with the U.S. Government and certain citizen plaintiffs to resolve allegations regarding the combined sewer system (CSS). The following consent decree was lodged with and entered by the court on June 25, 2003 and October 10, 2003, respectively:

United States District Court for the District of Columbia  
Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)  
Consent Decree

The CD requires that WASA submit written status reports to the Environmental Protection Agency (EPA) and the citizen plaintiffs by the 28<sup>th</sup> day of the month following the end of each calendar quarter. The CD requires that the following be provided in each status report:

- The due dates and other terms that WASA is required to meet since the date of the last quarterly statement, whether and to what extent WASA has met these requirements, and the reasons for any noncompliance.
- A general description of the work completed within the three-month period, and a projection of work to be performed during the next three-month period.
- All other items as specified in Section V (Compliance Program and Schedules) of the CD including the status of the catch basin cleaning.

This report covers April through June 2005, which is Quarter No. 2 in 2005. Note that the CD requires posting certain information on WASA's web site, including the Combined Sewer System (CSS) Quarterly Reports. The web site addresses for these items are as follows:

- WASA's web site: [www.dcwasa.com](http://www.dcwasa.com)
- CSS Quarterly Reports on WASA's web site: <http://www.dcwasa.com/education/css/publicinformation.cfm>

## 2. REQUIREMENTS DUE IN CURRENT QUARTER

The following is a status report for requirements due in the current quarter:

REQUIREMENTS DUE IN CURRENT QUARTER			
Reference	Requirement	Due Date	Status
p. 13, V.12.b. (iii)	<u>Main &amp; O Pumping Stations</u> Award construction contract for rehabilitation	04/01/05	Completed early. Contract awarded to W.M. Schlosser Company, Inc. on February 23, 2005.
p. 27, IX.25	<u>Supplemental Environmental Project</u> Report on SEP progress in Quarterly Reports to EPA	Quarterly, after EPA approves SEP	<ol style="list-style-type: none"> <li>1. <u>Actions taken in prior calendar quarter:</u> The SEP scope of work indicated that WASA would retain the Urban Forestry Administration (UFA) of the D.C Department of Transportation (DDOT) to perform the tree planting and construct the rain gardens. After EPA's written approval of the SEP on January 24, 2005, WASA initiated work on a negotiating a memorandum of understanding (MOU) with DDOT specifying the roles and responsibilities of each party for implementation of the tree planting and rain gardens. The MOU was executed in May 2005.</li> <li>2. <u>Actions planned to be taken in the next quarter:</u> Begin work on trees and rain gardens.</li> <li>3. <u>Impediments which may delay project completion:</u> None identified.</li> <li>4. <u>Accounting of costs expended prior quarter:</u> \$0.00</li> </ol>

### 3. REQUIREMENTS DUE NEXT QUARTER

The following is a status report for requirements due in the next quarter.

REQUIREMENTS DUE NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 15, V.12.e.(iii)	<u>Potomac Pumping Station</u> Award construction contract for rehabilitation	09/01/05	Completed early. Contract awarded to Ulliman Schutte Construction, LLC on March 14, 2005.

### 4. REQUIREMENTS DUE AFTER NEXT QUARTER

The following are requirements due after next quarter. Only those activities which are not addressed in prior tables are included.

REQUIREMENTS DUE AFTER NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 12, V.10.e	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains	09/01/08	WASA is monitoring the due date and expects to comply.
p. 13, V.12.b. (iv)	<u>Main &amp; O Pumping Stations</u> Place in operation	05/01/08	WASA is monitoring the due date and expects to comply.
p. 14, V.12.c.(iv)	<u>East Side Pumping Station</u> Place in operation	08/01/06	WASA is monitoring the due date and expects to comply.
p. 15, V.12.e.(iv)	<u>Potomac Pumping Station</u> Place in operation	09/01/08	WASA is monitoring the due date and expects to comply.
p. 16, V.12.f.(iii)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Place in operation	07/31/07	WASA is monitoring the due date and expects to comply.

REQUIREMENTS DUE AFTER NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 16, V.12.j.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/06	WASA is monitoring the due date and expects to comply.
p. 16, V.12.j.	<u>Inspect the three 60-inch Anacostia Siphons</u> Inspect siphons at least once every ten (10) years and clean and repair as necessary.	07/01/11	WASA is monitoring the due date and expects to comply.
p. 23, V.16.b. (iii)I & (ii)	<u>Public Notification – Notification lights</u> Place in Operation	20 months after receipt of approvals	All required approvals have not been received. On February 28, 2005, WASA submitted plans and specifications to NPS and requested a permit. NPS has indicated they are reviewing the submittal and expect to issue a permit in the near future.
p. 27, IX.24	<u>Supplemental Environmental Project</u> Place in Operation	04/07/07	WASA is monitoring the due date and expects to comply.
p. 25, IX.27	<u>Supplemental Environmental Project</u> Operate and Maintain	For 5 yrs after placing in operation	WASA is monitoring the due date and expects to comply.
p. 25, IX.28	<u>Supplemental Environmental Project</u> Submit SEP completion report	5 yrs after placing in operation	WASA is monitoring the due date and expects to comply.

## 5. ON-GOING REQUIREMENTS

The following is a status report for requirements that are performed at periodic intervals at an on-going basis.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 4, II.3.	<u>Application and Scope</u> Provide a copy of the Consent Decree (CD) to any consultant or contractor selected to perform any activity required by the CD.	As required	Completed in Quarter No. 4, 2003. WASA will send additional letters and copies of the CD to affected Project Design Engineers (PDEs) as they are retained for other projects required by the CD.
p. 10, V.10.a.(iv)	<u>Replace Inflatable Dams</u> Operate and maintain all inflatable dams.	Ongoing after 04/01/04	Inspection and maintenance of the inflatable dams is performed monthly and is documented in the CSS Quarterly Report, Section 2.3, Table 2-11 which is available on WASA's web site. Wet weather operations are reported on Table 2-12.

ON-GOING ACTIVITIES																											
Reference	Requirement	Due Date	Status																								
p. 10, V.10.b.(i) (a-e)(ii) (d.)(iv)	<u>Tide Gate Repair &amp; Replacement</u> Operate and maintain all tide gates.	Ongoing after 10/10/03	Inspection and maintenance of the tide gates is performed monthly and is documented in the CSS Quarterly Report, Section 2.2, Table 2, which is available on WASA's web site.																								
p. 12, V.11.	<u>Pretreatment</u> Maintain and update the current pretreatment program as required by the Clean Water Act, Pretreatment Regulations, and the NPDES Permit.	Ongoing after 10/10/03	The Pretreatment Program is being maintained and updated. The program produces annual reports and updates. The updated 2004 Pretreatment Program Annual Report was provided to EPA on May 17, 2005.																								
p. 11, V.10.c.	<u>Maximization of Storage in the Collection System – Catch Basins</u> <ul style="list-style-type: none"><li>○ Clean at least 85 % of the catch basins in CSS at least annually</li><li>○ Inspect catch basins in CSO areas tributary to the Anacostia River at least two times per year and clean such basins more frequently as indicated by the inspections.</li></ul>	Annually	<p>Catch basin cleaning totals are reported in WASA's CSS Quarterly report, in Section 4, available on WASA's web site. Calendar year to date totals for this quarter are as follows:</p> <table><tr><th>Item</th><th>No of Catch Basins</th><th>% of Total</th></tr><tr><td>Catch Basin in CSS</td><td>10,871 (1)</td><td></td></tr><tr><td>Catch Basins in CSS Cleaned</td><td>7,774</td><td>71 %</td></tr><tr><td></td><td></td><td></td></tr><tr><td>Catch Basins in Anacostia CSS</td><td>5,954 (1)</td><td></td></tr><tr><td>Catch Basins in Anacostia CSS Inspected Once</td><td>2,275</td><td>38%</td></tr><tr><td></td><td></td><td></td></tr><tr><td>Catch Basins in Anacostia CSS Inspected Twice</td><td>1,176</td><td>20%</td></tr></table> <p>Notes: (1) Catch basin quantities are estimated based on count of catch basins on sewer maps and on experience of field crews.</p>	Item	No of Catch Basins	% of Total	Catch Basin in CSS	10,871 (1)		Catch Basins in CSS Cleaned	7,774	71 %				Catch Basins in Anacostia CSS	5,954 (1)		Catch Basins in Anacostia CSS Inspected Once	2,275	38%				Catch Basins in Anacostia CSS Inspected Twice	1,176	20%
Item	No of Catch Basins	% of Total																									
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ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 13, V.12.a.(i) (ii)	<u>Maximization of Flow to the POTW for Treatment</u> Operate and maintain the collection system to maximize flow to Blue Plains and treat all flows conveyed to permit requirements.	Ongoing after 10/10/03	Operation and maintenance status of the collection system and pumping stations is reported in Section 2 of the CSS quarterly report, available on WASA's web site. The pumping stations and collection system have been operated to maximize the flow to Blue Plains within the constraints of the system. During the period covered by this report, the maximum hourly rate to Complete Treatment exceeded 511 mgd, the rate established as the limit for Phases 1 through 7 of the Blue Plains Liquid Process Improvement Program.
p. 12, V.12.b.(v)	<u>Main and O Pumping Station</u> Maintain a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 14, V.12.c.(v)	<u>East Side Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 14, V.12.d.(iv)	<u>Poplar Point Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 10/10/03	The number of pumps and screens available for service at Poplar Point Pumping Station is reported in Section 2 of the CSS Quarterly report, available at WASA's web site. The report shows that the station operated at firm capacity for the period covered by this report.
p. 15, V.12.e.(v)	<u>Potomac Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 460 mgd.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 17, V.13.b	<u>Facilitate Reports from Public of Dry Weather Overflows</u> <ul style="list-style-type: none"> <li>• Include DWO information on water/sewer bill inserts.</li> <li>• Staff and maintain phone line to receive reports on DWOs.</li> </ul>	Ongoing after 10/10/03	<ul style="list-style-type: none"> <li>• DWO information is included on all water/sewer bill inserts for CSO program.</li> <li>• Phone line and staff remain in operation to receive DWO reports.</li> </ul>
p. 18, V.14.	<u>Control of Solids and Floatable Material in CSOs</u> Conduct visual wet weather surveys at outfalls 009 through 012 to assess the extent of floatables discharged.	Ongoing after 10/10/03	Visual surveys completed in the quarter are included in Section 5 of the CSS Quarterly Report, which is available on WASA's web site.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 18, V.15.	<u>Pollution Prevention Programs</u> Maintain the MS4 pollution prevention programs.	Ongoing after 10/10/03	The MS4 Pollution Prevention Program is being maintained and updated. The program produces annual reports. The annual report for 2005 has been completed.
p. 18, V.15.	<u>Pollution Prevention Programs</u> Continue to periodically educate the public about pollution prevention through its newsletters and web site.	Ongoing after 10/10/03	Information about pollution prevention is included on WASA website. Additional informational pamphlets were included in mailers in water/sewer bills in 2004/2005.
p. 19, V.16.a.(i)	<u>Public Notification – CSO Signs</u> Conduct monthly inspections of CSO warning signs and replace, repair or clear obstructions as required.	Monthly	Inspection and replacement of signs is documented in Section 2 of the CSS Quarterly Reports, available on WASA's web site.
p. 21, V.16.b.	<u>Public Notification – Web Site</u> Maintain general info on CSOs, 12 most current CSS Quarterly Reports, and annual/quarterly CSO discharge volumes.	Ongoing after 10/10/03	This information is on WASA's web site, and it is updated regularly.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	The first of two CSO informational pamphlets for 2005 was distributed in the April 2005 water bills.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	The first of two CSO informational pamphlets for 2005 was mailed to local marinas April 1, 2005
p. 24, V.17.a.	<u>Monitoring</u> Report CSO overflows at remote (SCADA-monitored) sites.	04/28/04	Information on CSO overflows reported at SCADA-monitored sites is included in Table 2-12 of the CSS Quarterly Reports, available on WASA's web site.
p. 25, VII.19.(a). (b).(c)	<u>Reporting</u> Submit quarterly consent decree status reports.	28 <sup>th</sup> day of month after end of each calendar quarter	WASA submitted its first Quarterly Report on January 27, 2004 for Quarter No. 4 in 2003 and has submitted a report for each calendar quarter since. This report satisfies the latest reporting requirement.

## 6. REQUIREMENTS COMPLETED IN PRIOR QUARTERS

The following summarizes completed requirements reported in prior quarters.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 8, V.9.a.-j.	<u>Proper Operation and Regular Maintenance</u> Submit a written O&M program to EPA for review and comment but not approval.	06/30/04	Completed. Written O&M program submitted to EPA for review on 6/30/04.
p. 10, V.10.a.(iii)	<u>Replace Inflatable Dams</u> Replace all twelve existing inflatable dams and place all replacement dams in operation.	03/31/04	Completed. All inflatable dams were in operation as of 03/29/04 under Contract 01-0080 issued to Corman Construction Inc.
p. 10, V.10.b.(i) (a-e)(ii)(c.)	<u>Tide Gate Repair &amp; Replacement</u> Repair or replace tide gates at five CSO structures and place in operation.	11/10/03	Completed. All tide gates were placed in operation as of 08/29/03 under Contract 02-0070, Job Number AX01.
p. 11, V.10.d.	<u>Amendments to Sewer System Regulations</u> Recommend sewer regulation amendments to the D.C. Government to limit storm water inflow from any and all new construction and major renovations.	11/10/03	Completed. Three proposed code changes were submitted to the Council of the District of Columbia on October 22, 2003.
p. 14, V.12.b.(ii)	<u>Main &amp; O Pumping Station Rehab</u> Submit documents for required approvals to rehabilitate Main and O Street Pumping Stations to 240 and 45 mgd capacities.	03/01/04	Completed. Documents were submitted to DCRA and the Army Corps of Engineers by the deadline.
p. 14, V.12.c.(ii)	<u>East Side Pumping Station</u> Submit documents for the required approvals for the rehabilitation of Eastside Pumping Station to achieve a pumping capacity of 45 mgd.	06/01/03	Completed. Permit applications were submitted to the National Park Service and the D.C. Dept of Consumer and Regulatory Affairs on May 29, 2003.
p. 15, V.12.d.(ii)	<u>Poplar Point Pumping Station</u> Submit pump test data to EPA demonstrating a pumping capacity of 45 mgd at Poplar Point Pumping Station.	11/10/03	Completed. Fedex picked up the test report on 11/06/03 and attempted delivery on 11/07/03. Because the CD omitted the name of a specific person for delivery, EPA refused to accept the package due to security procedures. Other delivery attempts were made on subsequent days, and confirmed delivery of the package occurred on 12/02/03.



REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 15, V.12.e.	<u>Potomac Pumping Station Rehab</u> Submit documents for required approvals.	06/01/04	Completed. WASA submitted the Permit Application to DCRA on 5/21/04.
p. 16, V.12.f.(i)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Submit documents for required approvals to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	10/20/03	Completed. Building Permit issued 10/12/01.
p. 16, V.12.f.(ii)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Award construction contracts to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	07/31/03	Completed. Contract number 02-0130 awarded to W. M. Schlosser Co. Inc. on 07/17/03 for grit removal upgrades.
p. 17, V.13.a. (i)-(iii)	<u>System Modifications to Prevent DWOs</u> Correct regulator and/or CSS deficiencies to address dry weather overflows at CSO outfalls 007, 027, 005, 020, 023, 015, 014, and 024 and place in operation.	12/31/03	<p>Completed. This item consists of replacement of regulator structures to reduce the likelihood of DWOs at the specified outfalls.</p> <p>Following facilities placed in operation by 11/24/03 under Contract 01-0020 to Corman Construction:</p> <ul style="list-style-type: none"> <li>• CSO 027 – Structure 43a , Potomac &amp; water St NW</li> <li>• CSO 005 – Structure 7, Railroad Ave &amp; W St SE</li> <li>• CSO 020 – Structure 34a, 23<sup>rd</sup> St near C St NW</li> <li>• CSO 014 – Structure 18, 6<sup>th</sup> and M St. SE</li> <li>• CSO 024 – Structure 38a, 30<sup>th</sup> St south of K St NW</li> </ul> <p>Following Structures placed in operation by 12/19/03 under contract to C&amp;F Construction</p> <ul style="list-style-type: none"> <li>• CSO 007 – Structure 9, 13<sup>th</sup> and Ridge SE</li> <li>• CSO 015 – Structure 19 &amp; 19a, 9<sup>th</sup> and M St SE</li> </ul> <p>The following work was completed by WASA by prior to June 2003:</p> <ul style="list-style-type: none"> <li>• CSO 023 – Rock Creek P.S., install level sensor to indicate risk of DWO</li> </ul>

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Add DWO information to web site.	10/10/03	Completed. DWO information added to web site on 7/14/03.
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Include DWO information in a pamphlet with the sewer bill.	Semi-annually	2004 - Completed. DWO information included in pamphlet in water/sewer bills mailed in August and December 2004.
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Maintain a Customer Service Hotline with staff trained to receive DWO reports.	10/10/03	Completed. Customer Service Hotline made operational, staff trained 07/24/03, 08/27/03 and 08/28/03.
p. 18, V.13.c.(ii) (iii)	<u>DWO Management Program</u> Provide video cameras and training to inspection staff.	10/10/03	Completed. Three JVC digital camcorders were purchased and received on 09/07/00 and training provided for inspection staff on 09/26/00.
p. 18, V.13.d.	<u>Control of Construction Debris</u> Improve coordination with the D.C. Department of Health and the D.C. Department of Consumer and Regulatory Affairs for erosion/sediment control.	10/10/03	Completed. Letter sent to the respective agencies on 07/18/03 seeking to improve coordination regarding control of construction debris and the prevention of its entry into the sewer system. The letter lists opportunities for improvement and better coordination and provides contact personnel and telephone numbers.
p. 20, V.16.a. (ii)	<u>Public Notification; CSO Signs – National Park Service</u> Apply to the National Park Service (NPS) for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. John G. Parsons, Associate Regional Director, for NPS to install the signs. In their letter of 11/25/03, NPS denied approval for placement of new signs.
p. 20, V.16.a.(iii)	<u>CSO Signs – WASA Controlled Sites</u> Install two new signs at WASA controlled CSO outfalls: 009-012 and one sign each at CSO outfalls 001 and 003.	04/07/04	Completed early. Signs installed 2/12/04.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – National Zoo</u> Apply to the National Zoo for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Marc M. Mueller, National Zoological Park Resident Engineer, to install the signs. The Zoo approved placement of new signs in their letter of 12/13/03.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – Navy Yard</u> Apply to the Navy Yard for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Thomas P. Lewis Chief, Environmental and Safety Division for the Navy Yard to install the signs. In their letter of 11/17/03, Navy Yard denied approval for placement of new signs.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 21, V.16.a. (iv)	<u>Public Notification; CSO Signs – Southeast Federal Center</u> Apply to Southeast Federal Center for a permit to install new CSO sign.	11/10/03	Completed. Made written application on 09/04/03 to Mr. Steven Richard, Director, Service Delivery Support Division for SE Federal Center to install the sign. In their letter of 12/19/03, SE Federal Center denied approval for placement of new signs.
p. 21, V.16.a.(iv)	<u>CSO Signs –National Zoo</u> Install new signs at CSO outfalls 041-045 after approval by National Zoo.	06/10/04	Completed early. Signs installed 4/12/04.
pp. 21-22, V.16.b.(i) (a)-(g)	<u>Public Notification – Web site</u> Maintain accurate and up-to-date CSO information on the WASA web site as outlined in the CD.	10/10/03	Completed. Web site updated as outlined in the CD on 07/14/03.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	2004 - Completed. CSO informational pamphlet included in water/sewer bills mailed in August and December 2004.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	2004 - Completed. WASA mailed copies of CSO informational pamphlet to marinas, boat rental facilities, etc. in August and December 2004.
p. 23, V.16.b.(iii) (c)(i)	<u>Public Notification - Notification lights</u> Submit documents for required approvals to install and operate CSO warning lights on the Anacostia and Potomac Rivers.	12/31/03	Completed.
p. 26, VIII.20.	<u>Civil Penalty</u> Pay a penalty of \$250,000 to the U. S. Department of Justice.	11/10/03	Completed. An electronic transfer of \$250,000 to the U.S. Department of Justice was performed on 11/10/03.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 27, IX.23.-30.	<u>Supplemental Environmental Projects (SEPs)</u> Submit to EPA detailed scope of work and exact location of SEP.	04/07/04	Completed. WASA submitted its proposed SEP on April 1, 2004. EPA provided comments in a May 18, 2004 letter and in a May 25, 2004 conference call. WASA submitted a revised scope of work addressing EPA's comments on August 23, 2004. WASA received EPA's written approval of the proposed SEP on January 24, 2005.
p. 30, X.31.	<u>Citizen Community Project</u> Pay the Chesapeake Bay Foundation \$300,000 for the design, installation, and maintenance of green roof demonstration projects.	11/10/03	Completed. An electronic transfer of \$300,000 to the Chesapeake Bay Foundation was performed on 11/10/03.



**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**  
Serving the Public • Protecting the Environment

## **3-Party Consent Decree Status Report: Quarter No. 3 - 2005**

Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)

**October 2005**

DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY  
Washington, D.C.

*3-Party Consent Decree Status Report*  
*Quarter No. 3 - 2005*

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## 1. INTRODUCTION

The District of Columbia Water and Sewer Authority (WASA or Authority) entered into a Consent Decree (CD) with the U.S. Government and certain citizen plaintiffs to resolve allegations regarding the combined sewer system (CSS). The following consent decree was lodged with and entered by the court on June 25, 2003 and October 10, 2003, respectively:

United States District Court for the District of Columbia  
Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)  
Consent Decree

The CD requires that WASA submit written status reports to the Environmental Protection Agency (EPA) and the citizen plaintiffs by the 28<sup>th</sup> day of the month following the end of each calendar quarter. The CD requires that the following be provided in each status report:

- The due dates and other terms that WASA is required to meet since the date of the last quarterly statement, whether and to what extent WASA has met these requirements, and the reasons for any noncompliance.
- A general description of the work completed within the three-month period, and a projection of work to be performed during the next three-month period.
- All other items as specified in Section V (Compliance Program and Schedules) of the CD including the status of the catch basin cleaning.

This report covers July through September 2005, which is Quarter No. 3 in 2005. Note that the CD requires posting certain information on WASA's web site, including the Combined Sewer System (CSS) Quarterly Reports. The web site addresses for these items are as follows:

- WASA's web site: [www.dcwasa.com](http://www.dcwasa.com)
- CSS Quarterly Reports on WASA's web site: <http://www.dcwasa.com/education/css/publicinformation.cfm>

## 2. REQUIREMENTS DUE IN CURRENT QUARTER

The following is a status report for requirements due in the current quarter:

REQUIREMENTS DUE IN CURRENT QUARTER			
Reference	Requirement	Due Date	Status
p. 15, V.12.e.(iii)	<u>Potomac Pumping Station</u> Award construction contract for rehabilitation	09/01/05	Completed early. Contract awarded to Ulliman Schutte Construction, LLC on March 14, 2005.
p. 27, IX.25	<u>Supplemental Environmental Project</u> Report on SEP progress in Quarterly Reports to EPA	Quarterly, after EPA approves SEP	<ol style="list-style-type: none"> <li><u>Actions taken in prior calendar quarter:</u> The SEP scope of work indicated that WASA would retain the Urban Forestry Administration (UFA) of the D.C Department of Transportation (DDOT) to perform the tree planting and construct the rain gardens. A memorandum of understanding (MOU) with DDOT specifying the roles and responsibilities of each party for implementation of the tree planting and rain gardens was executed in May 2005. WASA approved the purchase order for the work.</li> <li><u>Actions planned to be taken in the next quarter:</u> Begin work on trees and rain gardens.</li> <li><u>Impediments which may delay project completion:</u> None identified.</li> <li><u>Accounting of costs expended prior quarter:</u> \$0.00</li> </ol>

## 3. REQUIREMENTS DUE NEXT QUARTER

The following is a status report for requirements due in the next quarter.

REQUIREMENTS DUE NEXT QUARTER			
Reference	Requirement	Due Date	Status
p.17 V.13.b and p.22 V.16.b	<u>Public Notification Requirements</u> WASA shall provide information pamphlets on CSO location and activity	12/31/05	Semi-Annual information pamphlets were provide to the public; one distribution in April 2005 and another in September 2005. This completes this requirements

#### 4. REQUIREMENTS DUE AFTER NEXT QUARTER

The following are requirements due after next quarter. Only those activities which are not addressed in prior tables are included.

REQUIREMENTS DUE AFTER NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 12, V.10.e	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains	09/01/08	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 13, V.12.b. (iv)	<u>Main &amp; O Pumping Stations</u> Place in operation	05/01/08	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 14, V.12.c.(iv)	<u>East Side Pumping Station</u> Place in operation	08/01/06	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 15, V.12.e.(iv)	<u>Potomac Pumping Station</u> Place in operation	09/01/08	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.f.(iii)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Place in operation	07/31/07	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.j.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/06	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

REQUIREMENTS DUE AFTER NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 16, V.12.j.	<u>Inspect the three 60-inch Anacostia Siphons</u> Inspect siphons at least once every ten (10) years and clean and repair as necessary.	07/01/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 23, V.16.b. (iii)I & (ii)	<u>Public Notification – Notification lights</u> Place in Operation	20 months after receipt of approvals	The NPS has reviewed the permit application and provided preliminary comments. NPS requires the Commission of Fine Arts (CFA) approval prior to issuing a permit. WASA is preparing final contract documents for submittal to NPS and CFA. The submittal to these agency will be completed by 12/31/05.
p. 27, IX.24	<u>Supplemental Environmental Project</u> Place in Operation	04/07/07	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 25, IX.27	<u>Supplemental Environmental Project</u> Operate and Maintain	For 5 yrs after placing in operation	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 25, IX.28	<u>Supplemental Environmental Project</u> Submit SEP completion report	5 yrs after placing in operation	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

## 5. ON-GOING REQUIREMENTS

The following is a status report for requirements that are performed at periodic intervals at an on-going basis.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 4, II.3.	<u>Application and Scope</u> Provide a copy of the Consent Decree (CD) to any consultant or contractor selected to perform any activity required by the CD.	As required	Completed in Quarter No. 4, 2003. WASA will send additional letters and copies of the CD to affected Project Design Engineers (PDEs) as they are retained for other projects required by the CD.

		ON-GOING ACTIVITIES	
Reference	Requirement	Due Date	Status
p. 10, V.10.a.(iv)	<u>Replace Inflatable Dams</u> Operate and maintain all inflatable dams.	Ongoing after 04/01/04	Inspection and maintenance of the inflatable dams is performed monthly and is documented in the CSS Quarterly Report, Section 2.5, Table 2-11 which is available on WASA's web site. Wet weather operations are reported on Table 2-12. WASA made repairs to the controls of the inflatable dam at structure 52 during the reporting period.
p. 10, V.10.b.(i) (a-e)(ii) (d.)(iv)	<u>Tide Gate Repair &amp; Replacement</u> Operate and maintain all tide gates.	Ongoing after 10/10/03	Inspection and maintenance of the tide gates is performed monthly and is documented in the CSS Quarterly Report, Section 2.2, Table 2, which is available on WASA's web site.
p. 12, V.11.	<u>Pretreatment</u> Maintain and update the current pretreatment program as required by the Clean Water Act, Pretreatment Regulations, and the NPDES Permit.	Ongoing after 10/10/03	The Pretreatment Program is being maintained and updated. The program produces annual reports and updates. The updated 2004 Pretreatment Program Annual Report was provided to EPA on May 17, 2005.

# ON-GOING ACTIVITIES

Reference	Requirement	Due Date	Status																								
p. 11, V.10.c.	<u>Maximization of Storage in the Collection System – Catch Basins</u> <ul style="list-style-type: none"><li>○ Clean at least 85 % of the catch basins in CSS at least annually</li><li>○ Inspect catch basins in CSO areas tributary to the Anacostia River at least two times per year and clean such basins more frequently as indicated by the inspections.</li></ul>	Annually	<p>Catch basin cleaning totals are reported in WASA’s CSS Quarterly report, in Section 4, available on WASA’s web site. Calendar year to date totals for this quarter are as follows:</p> <table><tr><th>Item</th><th>No of Catch Basins</th><th>% of Total</th></tr><tr><td>Catch Basin in CSS</td><td>10,871 (1)</td><td></td></tr><tr><td>Catch Basins in CSS Cleaned</td><td>11,395</td><td>&gt;100 %</td></tr><tr><td></td><td></td><td></td></tr><tr><td>Catch Basins in Anacostia CSS</td><td>5,954 (1)</td><td></td></tr><tr><td>Catch Basins in Anacostia CSS Inspected Once</td><td>5,064</td><td>85 %</td></tr><tr><td></td><td></td><td></td></tr><tr><td>Catch Basins in Anacostia CSS Inspected Twice</td><td>4187</td><td>70 %</td></tr></table>	Item	No of Catch Basins	% of Total	Catch Basin in CSS	10,871 (1)		Catch Basins in CSS Cleaned	11,395	>100 %				Catch Basins in Anacostia CSS	5,954 (1)		Catch Basins in Anacostia CSS Inspected Once	5,064	85 %				Catch Basins in Anacostia CSS Inspected Twice	4187	70 %
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p. 13, V.12.a.(i) (ii)	<u>Maximization of Flow to the POTW for Treatment</u> <p>Operate and maintain the collection system to maximize flow to Blue Plains and treat all flows conveyed to permit requirements.</p>	Ongoing after 10/10/03	<p>Notes:</p> <p>(1) Catch basin quantities are estimated based on count of catch basins on sewer maps and on experience of field crews.</p> <p>Operation and maintenance status of the collection system and pumping stations is reported in Section 2 of the CSS quarterly report, available on WASA’s web site. The pumping stations and collection system have been operated to maximize the flow to Blue Plains within the constraints of the system. During the period covered by this report, the maximum hourly rate to Complete Treatment exceeded 511 mgd, the rate established as the limit for Phases 1 through 7 of the Blue Plains Liquid Process Improvement Program.</p>																								



Reference	Requirement	ON-GOING ACTIVITIES	
		Due Date	Status
p. 12, V.12.b.(v)	<u>Main and O Pumping Station</u> Maintain a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 14, V.12.c.(v)	<u>East Side Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 14, V.12.d.(iv)	<u>Poplar Point Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 10/10/03	The number of pumps and screens available for service at Poplar Point Pumping Station is reported in Section 2 of the CSS Quarterly report, available at WASA's web site. The report shows that the station operated at firm capacity for the period covered by this report.
p. 15, V.12.e.(v)	<u>Potomac Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 460 mgd.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 17, V.13.b	<u>Facilitate Reports from Public of Dry Weather Overflows</u> <ul style="list-style-type: none"> <li>• Include DWO information on water/sewer bill inserts.</li> <li>• Staff and maintain phone line to receive reports on DWOs.</li> </ul>	Ongoing after 10/10/03	<ul style="list-style-type: none"> <li>• DWO information is included on all water/sewer bill inserts for CSO program.</li> <li>• Phone line and staff remain in operation to receive DWO reports.</li> </ul>
p. 18, V.14.	<u>Control of Solids and Floatable Material in CSOs</u> Conduct visual wet weather surveys at outfalls 009 through 012 to assess the extent of floatables discharged.	Ongoing after 10/10/03	Visual surveys completed in the quarter are included in Section 5 of the CSS Quarterly Report, which is available on WASA's web site.
p. 18, V.15.	<u>Pollution Prevention Programs</u> Maintain the MS4 pollution prevention programs.	Ongoing after 10/10/03	The MS4 Pollution Prevention Program is being maintained and updated. The program produces annual reports. The annual report for 2005 has been completed.
p. 18, V.15.	<u>Pollution Prevention Programs</u> Continue to periodically educate the public about pollution prevention through its newsletters and web site.	Ongoing after 10/10/03	Information about pollution prevention is included on WASA website. Additional informational pamphlets were included in mailers in water/sewer bills in 2004/2005.

Reference	Requirement	ON-GOING ACTIVITIES	
		Due Date	Status
p. 19, V.16.a.(i)	<u>Public Notification – CSO Signs</u> Conduct monthly inspections of CSO warning signs and replace, repair or clear obstructions as required.	Monthly	Inspection and replacement of signs is documented in Section 2 of the CSS Quarterly Reports, available on WASA's web site.
p. 21, V.16.b.	<u>Public Notification – Web Site</u> Maintain general info on CSOs, 12 most current CSS Quarterly Reports, and annual/quarterly CSO discharge volumes.	Ongoing after 10/10/03	This information is on WASA's web site, and it is updated regularly.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	The first of two CSO informational pamphlets for 2005 was distributed in the April 2005 water bills. The second was distributed in the September 2005 water bills.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	The first of two CSO informational pamphlets for 2005 was mailed to local marinas April 1, 2005. The second was mailed to local marinas September 26, 2005.
p. 24, V.17.a.	<u>Monitoring</u> Report CSO overflows at remote (SCADA-monitored) sites.	04/28/04	Information on CSO overflows reported at SCADA-monitored sites is included in Table 2-12 of the CSS Quarterly Reports, available on WASA's web site.
p. 25, VII.19.(a). (b).(c)	<u>Reporting</u> Submit quarterly consent decree status reports.	28 <sup>th</sup> day of month after end of each calendar quarter	WASA submitted its first Quarterly Report on January 27, 2004 for Quarter No. 4 in 2003 and has submitted a report for each calendar quarter since. This report satisfies the latest reporting requirement.

## 6. REQUIREMENTS COMPLETED IN PRIOR QUARTERS

The following summarizes completed requirements reported in prior quarters.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 8, V.9.a.-j.	<u>Proper Operation and Regular Maintenance</u> Submit a written O&M program to EPA for review and comment but not approval.	06/30/04	Completed. Written O&M program submitted to EPA for review on 6/30/04.
p. 10, V.10.a.(iii)	<u>Replace Inflatable Dams</u> Replace all twelve existing inflatable dams and place all replacement dams in operation.	03/31/04	Completed. All inflatable dams were in operation as of 03/29/04 under Contract 01-0080 issued to Corman Construction Inc.
p. 10, V.10.b.(i) (a-e)(ii)(c.)	<u>Tide Gate Repair &amp; Replacement</u> Repair or replace tide gates at five CSO structures and place in operation.	11/10/03	Completed. All tide gates were placed in operation as of 08/29/03 under Contract 02-0070, Job Number AX01.
p. 11, V.10.d.	<u>Amendments to Sewer System Regulations</u> Recommend sewer regulation amendments to the D.C. Government to limit storm water inflow from any and all new construction and major renovations.	11/10/03	Completed. Three proposed code changes were submitted to the Council of the District of Columbia on October 22, 2003.
p. 13, V.12.b. (iii)	<u>Main &amp; O Pumping Stations</u> Award construction contract for rehabilitation	04/01/05	Completed early. Contract awarded to W.M. Schlosser Company, Inc. on February 23, 2005.
p. 14, V.12.b.(ii)	<u>Main &amp; O Pumping Station Rehab</u> Submit documents for required approvals to rehabilitate Main and O Street Pumping Stations to 240 and 45 mgd capacities.	03/01/04	Completed. Documents were submitted to DCRA and the Army Corps of Engineers by the deadline.
p. 14, V.12.c.(ii)	<u>East Side Pumping Station</u> Submit documents for the required approvals for the rehabilitation of Eastside Pumping Station to achieve a pumping capacity of 45 mgd.	08/01/04	Completed. Construction contract awarded 06/04/04 to Ulliman Schutte Construction, LLC
p. 15, V.12.d.(ii)	<u>Poplar Point Pumping Station</u> Submit pump test data to EPA demonstrating a pumping capacity of 45 mgd at Poplar Point Pumping Station.	11/10/03	Completed. Fedex picked up the test report on 11/06/03 and attempted delivery on 11/07/03. Because the CD omitted the name of a specific person for delivery, EPA refused to accept the package due to security procedures. Other delivery attempts were made on subsequent days, and confirmed delivery of the package occurred on 12/02/03.
p. 15, V.12.e.	<u>Potomac Pumping Station Rehab</u> Submit documents for required approvals.	06/01/04	Completed. WASA submitted the Permit Application to DCRA on 5/21/04.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 16, V.12.f.(i)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Submit documents for required approvals to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	10/20/03	Completed. Building Permit issued 10/12/01.
p. 16, V.12.f.(ii)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Award construction contracts to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	07/31/03	Completed. Contract number 02-0130 awarded to W. M. Schlosser Co. Inc. on 07/17/03 for grit removal upgrades.
p. 17, V.13.a. (i)-(iii)	<u>System Modifications to Prevent DWOs</u> Correct regulator and/or CSS deficiencies to address dry weather overflows at CSO outfalls 007, 027, 005, 020, 023, 015, 014, and 024 and place in operation.	12/31/03	<p>Completed. This item consists of replacement of regulator structures to reduce the likelihood of DWOs at the specified outfalls.</p> <p>Following facilities placed in operation by 11/24/03 under Contract 01-0020 to Corman Construction:</p> <ul style="list-style-type: none"> <li>• CSO 027 – Structure 43a , Potomac &amp; water St NW</li> <li>• CSO 005 – Structure 7, Railroad Ave &amp; W St SE</li> <li>• CSO 020 – Structure 34a, 23<sup>rd</sup> St near C St NW</li> <li>• CSO 014 – Structure 18, 6<sup>th</sup> and M St. SE</li> <li>• CSO 024 – Structure 38a, 30<sup>th</sup> St south of K St NW</li> </ul> <p>Following Structures placed in operation by 12/19/03 under contract to C&amp;F Construction</p> <ul style="list-style-type: none"> <li>• CSO 007 – Structure 9, 13<sup>th</sup> and Ridge SE</li> <li>• CSO 015 – Structure 19 &amp; 19a, 9<sup>th</sup> and M St SE</li> </ul> <p>The following work was completed by WASA by prior to June 2003:</p> <ul style="list-style-type: none"> <li>• CSO 023 – Rock Creek P.S., install level sensor to indicate risk of DWO</li> </ul>
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Add DWO information to web site.	10/10/03	Completed. DWO information added to web site on 7/14/03.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Include DWO information in a pamphlet with the sewer bill.	Semi-annually	2004 – Completed. DWO information included in pamphlet in water/sewer bills mailed in August and December 2004. 2005 - Completed. DWO information included in pamphlet in water/sewer bills mailed in April and October 2005
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Maintain a Customer Service Hotline with staff trained to receive DWO reports.	10/10/03	Completed. Customer Service Hotline made operational, staff trained 07/24/03, 08/27/03 and 08/28/03.
p. 18, V.13.c.(ii) (iii)	<u>DWO Management Program</u> Provide video cameras and training to inspection staff.	10/10/03	Completed. Three JVC digital camcorders were purchased and received on 09/07/00 and training provided for inspection staff on 09/26/00.
p. 18, V.13.d.	<u>Control of Construction Debris</u> Improve coordination with the D.C. Department of Health and the D.C. Department of Consumer and Regulatory Affairs for erosion/sediment control.	10/10/03	Completed. Letter sent to the respective agencies on 07/18/03 seeking to improve coordination regarding control of construction debris and the prevention of its entry into the sewer system. The letter lists opportunities for improvement and better coordination and provides contact personnel and telephone numbers.
p. 20, V.16.a. (ii)	<u>Public Notification; CSO Signs – National Park Service</u> Apply to the National Park Service (NPS) for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. John G. Parsons, Associate Regional Director, for NPS to install the signs. In their letter of 11/25/03, NPS denied approval for placement of new signs.
p. 20, V.16.a.(iii)	<u>CSO Signs – WASA Controlled Sites</u> Install two new signs at WASA controlled CSO outfalls: 009-012 and one sign each at CSO outfalls 001 and 003.	04/07/04	Completed early. Signs installed 2/12/04.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – National Zoo</u> Apply to the National Zoo for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Marc M. Mueller, National Zoological Park Resident Engineer, to install the signs. The Zoo approved placement of new signs in their letter of 12/13/03.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – Navy Yard</u> Apply to the Navy Yard for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Thomas P. Lewis Chief, Environmental and Safety Division for the Navy Yard to install the signs. In their letter of 11/17/03, Navy Yard denied approval for placement of new signs.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 21, V.16.a. (iv)	<u>Public Notification; CSO Signs – Southeast Federal Center</u> Apply to Southeast Federal Center for a permit to install new CSO sign.	11/10/03	Completed. Made written application on 09/04/03 to Mr. Steven Richard, Director, Service Delivery Support Division for SE Federal Center to install the sign. In their letter of 12/19/03, SE Federal Center denied approval for placement of new signs.
p. 21, V.16.a.(iv)	<u>CSO Signs –National Zoo</u> Install new signs at CSO outfalls 041-045 after approval by National Zoo.	06/10/04	Completed early. Signs installed 4/12/04.
pp. 21-22, V.16.b.(i) (a)-(g)	<u>Public Notification – Web site</u> Maintain accurate and up-to-date CSO information on the WASA web site as outlined in the CD.	10/10/03	Completed. Web site updated as outlined in the CD on 07/14/03.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	2004 – Completed. CSO informational pamphlet included in water/sewer bills mailed in August and December 2004.  2005 - Completed. CSO informational pamphlet included in water/sewer bills mailed in April and October 2005.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	2005 - Completed. WASA mailed copies of CSO informational pamphlet to marinas, boat rental facilities, etc. in April and September 2005
p. 23, V.16.b.(iii) (c)(i)	<u>Public Notification - Notification lights</u> Submit documents for required approvals to install and operate CSO warning lights on the Anacostia and Potomac Rivers.	12/31/03	Completed.
p. 26, VIII.20.	<u>Civil Penalty</u> Pay a penalty of \$250,000 to the U. S. Department of Justice.	11/10/03	Completed. An electronic transfer of \$250,000 to the U.S. Department of Justice was performed on 11/10/03.



REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 27, IX.23.-30.	<u>Supplemental Environmental Projects (SEPs)</u> Submit to EPA detailed scope of work and exact location of SEP.	04/07/04	Completed. WASA submitted its proposed SEP on April 1, 2004. EPA provided comments in a May 18, 2004 letter and in a May 25, 2004 conference call. WASA submitted a revised scope of work addressing EPA's comments on August 23, 2004. WASA received EPA's written approval of the proposed SEP on January 24, 2005.
p. 30, X.31.	<u>Citizen Community Project</u> Pay the Chesapeake Bay Foundation \$300,000 for the design, installation, and maintenance of green roof demonstration projects.	11/10/03	Completed. An electronic transfer of \$300,000 to the Chesapeake Bay Foundation was performed on 11/10/03.



**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**  
Serving the Public • Protecting the Environment

## **3-Party Consent Decree Status Report: Quarter No. 4 - 2005**

Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)

**January 2006**

DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY  
Washington, D.C.

*3-Party Consent Decree Status Report*  
*Quarter No. 4 - 2005*

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6. REQUIREMENTS COMPLETED IN PRIOR QUARTERS

## 1. INTRODUCTION

The District of Columbia Water and Sewer Authority (WASA or Authority) entered into a Consent Decree (CD) with the U.S. Government and certain citizen plaintiffs to resolve allegations regarding the combined sewer system (CSS). The following consent decree was lodged with and entered by the court on June 25, 2003 and October 10, 2003, respectively:

United States District Court for the District of Columbia  
Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)  
Consent Decree

The CD requires that WASA submit written status reports to the Environmental Protection Agency (EPA) and the citizen plaintiffs by the 28<sup>th</sup> day of the month following the end of each calendar quarter. The CD requires that the following be provided in each status report:

- The due dates and other terms that WASA is required to meet since the date of the last quarterly statement, whether and to what extent WASA has met these requirements, and the reasons for any noncompliance.
- A general description of the work completed within the three-month period, and a projection of work to be performed during the next three-month period.
- All other items as specified in Section V (Compliance Program and Schedules) of the CD including the status of the catch basin cleaning.

This report covers October through December 2005, which is Quarter No. 4 in 2005. Note that the CD requires posting certain information on WASA's web site, including the Combined Sewer System (CSS) Quarterly Reports. The web site addresses for these items are as follows:

- WASA's web site: [www.dcwasa.com](http://www.dcwasa.com)
- CSS Quarterly Reports on WASA's web site: <http://www.dcwasa.com/education/css/publicinformation.cfm>

## 2. REQUIREMENTS DUE IN CURRENT QUARTER

The following is a status report for requirements due in the current quarter:

REQUIREMENTS DUE IN CURRENT QUARTER			
Reference	Requirement	Due Date	Status
p. 27, IX.25	<u>Supplemental Environmental Project</u> Report on SEP progress in Quarterly Reports to EPA	Quarterly, after EPA approves SEP	<ol style="list-style-type: none"><li>1. <u>Actions taken in prior calendar quarter:</u> The Urban Forestry Administration (UFA) of the D.C Department of Transportation (DDOT) planted approximately 2000 trees. DDOT-UFA developing plans for the construction of the rain gardens in the summer of 2006.</li><li>2. <u>Actions planned to be taken in the next quarter:</u> Estimated completion by mid-April.</li><li>3. <u>Impediments which may delay project completion:</u> None identified.</li><li>4. <u>Accounting of costs expended prior quarter:</u> \$0.00</li></ol>

## 3. REQUIREMENTS DUE NEXT QUARTER

The following is a status report for requirements due in the next quarter.

REQUIREMENTS DUE NEXT QUARTER			
Reference	Requirement	Due Date	Status
N/A	No requirements are due next quarter	N/A	N/A

#### 4. REQUIREMENTS DUE AFTER NEXT QUARTER

The following are requirements due after next quarter. Only those activities which are not addressed in prior tables are included.

REQUIREMENTS DUE AFTER NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 12, V.10.e	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains	09/01/08	WASA is monitoring the activity associated with this requirement. Field investigations are being conducted to access the interior of the pipeline to assess their conditions. Report anticipated Summer 2006.
p. 13, V.12.b. (iv)	<u>Main &amp; O Pumping Stations</u> Place in operation	05/01/08	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 14, V.12.c.(iv)	<u>East Side Pumping Station</u> Place in operation	08/01/06	WASA is monitoring the activity associated with this requirement. The existing pipelines are being diverted so construction can continue as planned. Heavy rainfall events during the period.
p. 15, V.12.e.(iv)	<u>Potomac Pumping Station</u> Place in operation	09/01/08	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.f.(iii)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Place in operation	07/31/07	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.j.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/06	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.j.	<u>Inspect the three 60-inch Anacostia Siphons</u> Inspect siphons at least once every ten (10) years and clean and repair as necessary.	07/01/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

<b>REQUIREMENTS DUE AFTER NEXT QUARTER</b>			
<b>Reference</b>	<b>Requirement</b>	<b>Due Date</b>	<b>Status</b>
p. 23, V.16.b. (iii)I & (ii)	<u>Public Notification – Notification lights</u> Place in Operation	20 months after receipt of approvals	The NPS has reviewed the permit application and provided preliminary comments. NPS requires the Commission of Fine Arts (CFA) approval prior to issuing a permit. WASA incorporated all major comments to the final contract documents and have released the documents for submission to CFA. Approval by CFA is expected next quarter.
p. 27, IX.24	<u>Supplemental Environmental Project</u> Place in Operation	04/07/07	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 25, IX.27	<u>Supplemental Environmental Project</u> Operate and Maintain	For 5 yrs after placing in operation	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 25, IX.28	<u>Supplemental Environmental Project</u> Submit SEP completion report	5 yrs after placing in operation	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

## 5. ON-GOING REQUIREMENTS

The following is a status report for requirements that are performed at periodic intervals at an on-going basis.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 4, II.3.	<u>Application and Scope</u> Provide a copy of the Consent Decree (CD) to any consultant or contractor selected to perform any activity required by the CD.	As required	Completed in Quarter No. 4, 2003. WASA will send additional letters and copies of the CD to affected Project Design Engineers (PDEs) as they are retained for other projects required by the CD.
p. 10, V.10.a.(iv)	<u>Replace Inflatable Dams</u> Operate and maintain all inflatable dams.	Ongoing after 04/01/04	Inspection and maintenance of the inflatable dams is performed monthly and is documented in the CSS Quarterly Report, Section 2.5, Table 2-11 which is available on WASA's web site. Wet weather operations are reported on Table 2-12.
p. 10, V.10.b.(i) (a-e)(ii) (d.)(iv)	<u>Tide Gate Repair &amp; Replacement</u> Operate and maintain all tide gates.	Ongoing after 10/10/03	Inspection and maintenance of the tide gates is performed monthly and is documented in the CSS Quarterly Report, Section 2.2, Table 2, which is available on WASA's web site.
p. 12, V.11.	<u>Pretreatment</u> Maintain and update the current pretreatment program as required by the Clean Water Act, Pretreatment Regulations, and the NPDES Permit.	Ongoing after 10/10/03	The Pretreatment Program is being maintained and updated. The program produces annual reports and updates. The updated 2004 Pretreatment Program Annual Report was provided to EPA on May 17, 2005.



ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 11, V.10.c.	<u>Maximization of Storage in the Collection System – Catch Basins</u> <ul style="list-style-type: none"> <li>○ Clean at least 85 % of the catch basins in CSS at least annually</li> <li>○ Inspect catch basins in CSO areas tributary to the Anacostia River at least two times per year and clean such basins more frequently as indicated by the inspections.</li> </ul>	Annually	Catch basin cleaning totals are reported in WASA's CSS Quarterly report, in Section 4, available on WASA's web site. Calendar year to date totals for this quarter are as follows:
			<div>Item</div> <div>No of Catch Basins</div> <div>% of Total</div> <div>Catch Basin in CSS</div> <div>10,871 (1)</div> <div>Catch Basins in CSS Cleaned</div> <div>25,385</div> <div>&gt;100 %</div> <div>Catch Basins in Anacostia CSS</div> <div>5,954 (1)</div> <div>Catch Basins in Anacostia CSS Inspected Once</div> <div>5,954</div> <div>100 %</div> <div>Catch Basins in Anacostia CSS Inspected Twice</div> <div>5,954</div> <div>100 %</div>
			Notes:
			(1) Catch basin quantities are estimated based on count of catch basins on sewer maps and on experience of field crews.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 13, V.12.a.(i) (ii)	<u>Maximization of Flow to the POTW for Treatment</u> Operate and maintain the collection system to maximize flow to Blue Plains and treat all flows conveyed to permit requirements.	Ongoing after 10/10/03	Operation and maintenance status of the collection system and pumping stations is reported in Section 2 of the CSS quarterly report, available on WASA's web site. The pumping stations and collection system have been operated to maximize the flow to Blue Plains within the constraints of the system. During the period covered by this report, the maximum hourly rate to Complete Treatment exceeded 511 mgd, the rate established as the limit for Phases 1 through 7 of the Blue Plains Liquid Process Improvement Program.
p. 12, V.12.b.(v)	<u>Main and O Pumping Station</u> Maintain a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 14, V.12.c.(v)	<u>East Side Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 14, V.12.d.(iv)	<u>Poplar Point Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 10/10/03	The number of pumps and screens available for service at Poplar Point Pumping Station is reported in Section 2 of the CSS Quarterly report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 15, V.12.e.(v)	<u>Potomac Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 460 mgd.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 17, V.13.b	<u>Facilitate Reports from Public of Dry Weather Overflows</u> <ul style="list-style-type: none"> <li>• Include DWO information on water/sewer bill inserts.</li> <li>• Staff and maintain phone line to receive reports on DWOs.</li> </ul>	Ongoing after 10/10/03	<ul style="list-style-type: none"> <li>• DWO information is included on all water/sewer bill inserts for CSO program.</li> <li>• Phone line and staff remain in operation to receive DWO reports.</li> </ul>
p. 18, V.14.	<u>Control of Solids and Floatable Material in CSOs</u> Conduct visual wet weather surveys at outfalls 009 through 012 to assess the extent of floatables discharged.	Ongoing after 10/10/03	Visual surveys completed in the quarter are included in Section 5 of the CSS Quarterly Report, which is available on WASA's web site.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 18, V.15.	<u>Pollution Prevention Programs</u> Maintain the MS4 pollution prevention programs.	Ongoing after 10/10/03	The MS4 Pollution Prevention Program is being maintained and updated. The program produces annual reports. The annual report for 2005 has been completed.
p. 18, V.15.	<u>Pollution Prevention Programs</u> Continue to periodically educate the public about pollution prevention through its newsletters and web site.	Ongoing after 10/10/03	Information about pollution prevention is included on WASA website. Additional informational pamphlets were included in mailers in water/sewer bills in 2004/2005.
p. 19, V.16.a.(i)	<u>Public Notification – CSO Signs</u> Conduct monthly inspections of CSO warning signs and replace, repair or clear obstructions as required.	Monthly	Inspection and replacement of signs is documented in Section 2 of the CSS Quarterly Reports, available on WASA's web site.
p. 21, V.16.b.	<u>Public Notification – Web Site</u> Maintain general info on CSOs, 12 most current CSS Quarterly Reports, and annual/quarterly CSO discharge volumes.	Ongoing after 10/10/03	This information is on WASA's web site, and it is updated regularly.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	The first of two CSO informational pamphlets for 2005 was distributed in the April 2005 water bills. The second was distributed in the September 2005 water bills.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	The first of two CSO informational pamphlets for 2005 was mailed to local marinas April 1, 2005. The second was mailed to local marinas September 26, 2005.
p. 24, V.17.a.	<u>Monitoring</u> Report CSO overflows at remote (SCADA-monitored) sites.	04/28/04	Information on CSO overflows reported at SCADA-monitored sites is included in Table 2-12 of the CSS Quarterly Reports, available on WASA's web site.
p. 25, VII.19.(a). (b).(c)	<u>Reporting</u> Submit quarterly consent decree status reports.	28 <sup>th</sup> day of month after end of each calendar quarter	WASA submitted its first Quarterly Report on January 27, 2004 for Quarter No. 4 in 2003 and has submitted a report for each calendar quarter since. This report satisfies the latest reporting requirement.

## 6. REQUIREMENTS COMPLETED IN PRIOR QUARTERS

The following summarizes completed requirements reported in prior quarters.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 8, V.9.a.-j.	<u>Proper Operation and Regular Maintenance</u> Submit a written O&M program to EPA for review and comment but not approval.	06/30/04	Completed. Written O&M program submitted to EPA for review on 6/30/04.
p. 10, V.10.a.(iii)	<u>Replace Inflatable Dams</u> Replace all twelve existing inflatable dams and place all replacement dams in operation.	03/31/04	Completed. All inflatable dams were in operation as of 03/29/04 under Contract 01-0080 issued to Corman Construction Inc.
p. 10, V.10.b.(i) (a-e)(ii)(c.)	<u>Tide Gate Repair &amp; Replacement</u> Repair or replace tide gates at five CSO structures and place in operation.	11/10/03	Completed. All tide gates were placed in operation as of 08/29/03 under Contract 02-0070, Job Number AX01.
p. 11, V.10.d.	<u>Amendments to Sewer System Regulations</u> Recommend sewer regulation amendments to the D.C. Government to limit storm water inflow from any and all new construction and major renovations.	11/10/03	Completed. Three proposed code changes were submitted to the Council of the District of Columbia on October 22, 2003.
p. 13, V.12.b. (iii)	<u>Main &amp; O Pumping Stations</u> Award construction contract for rehabilitation	04/01/05	Completed. Contract awarded to W.M. Schlosser Company, Inc. on February 23, 2005.
p. 14, V.12.b.(ii)	<u>Main &amp; O Pumping Station Rehab</u> Submit documents for required approvals to rehabilitate Main and O Street Pumping Stations to 240 and 45 mgd capacities.	03/01/04	Completed. Documents were submitted to DCRA and the Army Corps of Engineers by the deadline.
p. 14, V.12.c.(ii)	<u>East Side Pumping Station</u> Submit documents for the required approvals for the rehabilitation of Eastside Pumping Station to achieve a pumping capacity of 45 mgd.	08/01/04	Completed. Construction contract awarded 06/04/04 to Ulliman Schutte Construction, LLC

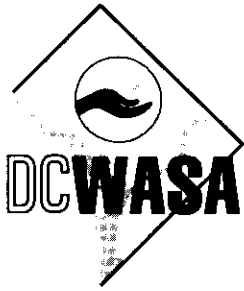
REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 15, V.12.d.(ii)	<u>Poplar Point Pumping Station</u> Submit pump test data to EPA demonstrating a pumping capacity of 45 mgd at Poplar Point Pumping Station.	11/10/03	Completed. Fedex picked up the test report on 11/06/03 and attempted delivery on 11/07/03. Because the CD omitted the name of a specific person for delivery, EPA refused to accept the package due to security procedures. Other delivery attempts were made on subsequent days, and confirmed delivery of the package occurred on 12/02/03.
p. 15, V.12.e.	<u>Potomac Pumping Station Rehab</u> Submit documents for required approvals.	06/01/04	Completed. WASA submitted the Permit Application to DCRA on 5/21/04.
p. 15, V.12.e.(iii)	<u>Potomac Pumping Station</u> Award construction contract for rehabilitation	09/01/05	Completed. Contract awarded to Ulliman Schutte Construction, LLC on March 14, 2005.
p. 16, V.12.f.(i)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Submit documents for required approvals to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	10/20/03	Completed. Building Permit issued 10/12/01.
p. 16, V.12.f.(ii)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Award construction contracts to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	07/31/03	Completed. Contract number 02-0130 awarded to W. M. Schlosser Co. Inc. on 07/17/03 for grit removal upgrades.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 17, V.13.a. (i)-(iii)	<u>System Modifications to Prevent DWOs</u> Correct regulator and/or CSS deficiencies to address dry weather overflows at CSO outfalls 007, 027, 005, 020, 023, 015, 014, and 024 and place in operation.	12/31/03	<p>Completed. This item consists of replacement of regulator structures to reduce the likelihood of DWOs at the specified outfalls.</p> <p>Following facilities placed in operation by 11/24/03 under Contract 01-0020 to Corman Construction:</p> <ul style="list-style-type: none"> <li>• CSO 027 – Structure 43a , Potomac &amp; water St NW</li> <li>• CSO 005 – Structure 7, Railroad Ave &amp; W St SE</li> <li>• CSO 020 – Structure 34a, 23<sup>rd</sup> St near C St NW</li> <li>• CSO 014 – Structure 18, 6<sup>th</sup> and M St. SE</li> <li>• CSO 024 – Structure 38a, 30<sup>th</sup> St south of K St NW</li> </ul> <p>Following Structures placed in operation by 12/19/03 under contract to C&amp;F Construction</p> <ul style="list-style-type: none"> <li>• CSO 007 – Structure 9, 13<sup>th</sup> and Ridge SE</li> <li>• CSO 015 – Structure 19 &amp; 19a, 9<sup>th</sup> and M St SE</li> </ul> <p>The following work was completed by WASA by prior to June 2003:</p> <ul style="list-style-type: none"> <li>• CSO 023 – Rock Creek P.S., install level sensor to indicate risk of DWO</li> </ul>
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Add DWO information to web site.	10/10/03	Completed. DWO information added to web site on 7/14/03.
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Include DWO information in a pamphlet with the sewer bill.	Semi-annually	<p>2004 – Completed. DWO information included in pamphlet in water/sewer bills mailed in August and December 2004.</p> <p>2005 - Completed. DWO information included in pamphlet in water/sewer bills mailed in April and October 2005</p>
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Maintain a Customer Service Hotline with staff trained to receive DWO reports.	10/10/03	Completed. Customer Service Hotline made operational, staff trained 07/24/03, 08/27/03 and 08/28/03.
p.17 V.13.b and p.22 V.16.b	<u>Public Notification Requirements</u> WASA shall provide information pamphlets on CSO location and activity	12/31/05	Semi-Annual information pamphlets were provide to the public; one distribution in April 2005 and another in September 2005. This completes this requirements

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 18, V.13.c.(ii) (iii)	<u>DWO Management Program</u> Provide video cameras and training to inspection staff.	10/10/03	Completed. Three JVC digital camcorders were purchased and received on 09/07/00 and training provided for inspection staff on 09/26/00.
p. 18, V.13.d.	<u>Control of Construction Debris</u> Improve coordination with the D.C. Department of Health and the D.C. Department of Consumer and Regulatory Affairs for erosion/sediment control.	10/10/03	Completed. Letter sent to the respective agencies on 07/18/03 seeking to improve coordination regarding control of construction debris and the prevention of its entry into the sewer system. The letter lists opportunities for improvement and better coordination and provides contact personnel and telephone numbers.
p. 20, V.16.a. (ii)	<u>Public Notification; CSO Signs – National Park Service</u> Apply to the National Park Service (NPS) for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. John G. Parsons, Associate Regional Director, for NPS to install the signs. In their letter of 11/25/03, NPS denied approval for placement of new signs.
p. 20, V.16.a.(iii)	<u>CSO Signs – WASA Controlled Sites</u> Install two new signs at WASA controlled CSO outfalls: 009-012 and one sign each at CSO outfalls 001 and 003.	04/07/04	Completed early. Signs installed 2/12/04.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – National Zoo</u> Apply to the National Zoo for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Marc M. Mueller, National Zoological Park Resident Engineer, to install the signs. The Zoo approved placement of new signs in their letter of 12/13/03.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – Navy Yard</u> Apply to the Navy Yard for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Thomas P. Lewis Chief, Environmental and Safety Division for the Navy Yard to install the signs. In their letter of 11/17/03, Navy Yard denied approval for placement of new signs.
p. 21, V.16.a. (iv)	<u>Public Notification; CSO Signs – Southeast Federal Center</u> Apply to Southeast Federal Center for a permit to install new CSO sign.	11/10/03	Completed. Made written application on 09/04/03 to Mr. Steven Richard, Director, Service Delivery Support Division for SE Federal Center to install the sign. In their letter of 12/19/03, SE Federal Center denied approval for placement of new signs.
p. 21, V.16.a.(iv)	<u>CSO Signs –National Zoo</u> Install new signs at CSO outfalls 041-045 after approval by National Zoo.	06/10/04	Completed. Signs installed 4/12/04.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
pp. 21-22, V.16.b.(i) (a)-(g)	<u>Public Notification – Web site</u> Maintain accurate and up-to-date CSO information on the WASA web site as outlined in the CD.	10/10/03	Completed. Web site updated as outlined in the CD on 07/14/03.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	2004 – Completed. CSO informational pamphlet included in water/sewer bills mailed in August and December 2004.  2005 - Completed. CSO informational pamphlet included in water/sewer bills mailed in April and October 2005.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	2005 - Completed. WASA mailed copies of CSO informational pamphlet to marinas, boat rental facilities, etc. in April and September 2005
p. 23, V.16.b.(iii) (c)(i)	<u>Public Notification - Notification lights</u> Submit documents for required approvals to install and operate CSO warning lights on the Anacostia and Potomac Rivers.	12/31/03	Completed.
p. 26, VIII.20.	<u>Civil Penalty</u> Pay a penalty of \$250,000 to the U. S. Department of Justice.	11/10/03	Completed. An electronic transfer of \$250,000 to the U.S. Department of Justice was performed on 11/10/03.
p. 27, IX.23.-30.	<u>Supplemental Environmental Projects (SEPs)</u> Submit to EPA detailed scope of work and exact location of SEP.	04/07/04	Completed. WASA submitted its proposed SEP on April 1, 2004. EPA provided comments in a May 18, 2004 letter and in a May 25, 2004 conference call. WASA submitted a revised scope of work addressing EPA's comments on August 23, 2004. WASA received EPA's written approval of the proposed SEP on January 24, 2005.
p. 30, X.31.	<u>Citizen Community Project</u> Pay the Chesapeake Bay Foundation \$300,000 for the design, installation, and maintenance of green roof demonstration projects.	11/10/03	Completed. An electronic transfer of \$300,000 to the Chesapeake Bay Foundation was performed on 11/10/03.





## DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY

5000 OVERLOOK AVENUE, S.W., WASHINGTON, D.C. 20032

April 26, 2006

Director, Water Enforcement Division  
Office of Regulatory Enforcement  
U.S. Environmental Protection Agency  
OECA-ORE-WED  
Ariel Rios Building  
12<sup>th</sup> and Pennsylvania Ave., NW  
Washington D.C. 20044

Yvette Roundtree, Office of the Regional Counsel (3RC20)  
U.S. Environmental Protection Agency, Region III  
1650 Arch Street  
Philadelphia, PA 19103

Chief, NPDES Branch (3WP31)  
Water Protection Branch  
U. S. Environmental Protection Agency, Region III  
1650 Arch Street  
Philadelphia, PA 19106

David Baron  
Earth Justice Legal Defense Fund  
1625 Massachusetts Avenue, NW, Suite 702  
Washington D.C. 20036-2212

Subject: Quarterly Status Report  
Three-Party Consent Decree  
Civil Action Nos. 1:00CV00183TFH and 02-2511 (TFH)

Dear Sir/Madam:

In accordance with the requirements of the subject consent decree, please find enclosed the quarterly status report for the period October through December 2005.

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 ensure 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 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.

Sincerely,

John T. Dunn, P.E.  
Chief Engineer/Deputy General Manager



**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**  
Serving the Public • Protecting the Environment

## **3-Party Consent Decree Status Report: Quarter No. 1 - 2006**

Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)

**April 2006**

DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY  
Washington, D.C.

*3-Party Consent Decree Status Report*  
*Quarter No. 1 - 2006*

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6. REQUIREMENTS COMPLETED IN PRIOR QUARTERS

## 1. INTRODUCTION

The District of Columbia Water and Sewer Authority (WASA or Authority) entered into a Consent Decree (CD) with the U.S. Government and certain citizen plaintiffs to resolve allegations regarding the combined sewer system (CSS). The following consent decree was lodged with and entered by the court on June 25, 2003 and October 10, 2003, respectively:

United States District Court for the District of Columbia  
Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)  
Consent Decree

The CD requires that WASA submit written status reports to the Environmental Protection Agency (EPA) and the citizen plaintiffs by the 28<sup>th</sup> day of the month following the end of each calendar quarter. The CD requires that the following be provided in each status report:

- The due dates and other terms that WASA is required to meet since the date of the last quarterly statement, whether and to what extent WASA has met these requirements, and the reasons for any noncompliance.
- A general description of the work completed within the three-month period, and a projection of work to be performed during the next three-month period.
- All other items as specified in Section V (Compliance Program and Schedules) of the CD including the status of the catch basin cleaning.

This report covers January through March 2006, which is Quarter No. 1 in 2006. Note that the CD requires posting certain information on WASA's web site, including the Combined Sewer System (CSS) Quarterly Reports. The web site addresses for these items are as follows:

- WASA's web site: [www.dcwasa.com](http://www.dcwasa.com)
- CSS Quarterly Reports on WASA's web site: <http://www.dcwasa.com/education/css/publicinformation.cfm>

## 2. REQUIREMENTS DUE IN CURRENT QUARTER

The following is a status report for requirements due in the current quarter:

REQUIREMENTS DUE IN CURRENT QUARTER			
Reference	Requirement	Due Date	Status
p. 27, IX.25	<u>Supplemental Environmental Project</u> Report on SEP progress in Quarterly Reports to EPA	Quarterly, after EPA approves SEP	<ol style="list-style-type: none"> <li>1. <u>Actions taken in prior calendar quarter:</u> The Urban Forestry Administration (UFA) of the D.C Department of Transportation (DDOT) completed planting with a total of about 3,363 trees with the possibility of more. DDOT-UFA has developed a scope of work for the construction of the rain gardens that will go out for bid late April/early May. UFA is developing a series of report templates tied to the GIS layer and the street tree inventory for the inspection process of the trees.</li> <li>2. <u>Actions planned to be taken in the next quarter:</u> UFA will complete the development of reports for the inspection process of the trees and implement them.</li> <li>3. <u>Impediments which may delay project completion:</u> None identified.</li> <li>4. <u>Accounting of costs expended prior quarter:</u> \$850,000.00</li> </ol>

### 3. REQUIREMENTS DUE NEXT QUARTER

The following is a status report for requirements due in the next quarter.

REQUIREMENTS DUE NEXT QUARTER			
Reference	Requirement	Due Date	Status
N/A	No requirements are due next quarter	N/A	N/A

### 4. REQUIREMENTS DUE AFTER NEXT QUARTER

The following are requirements due after next quarter. Only those activities which are not addressed in prior tables are include

REQUIREMENTS DUE AFTER NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 12, V.10.e	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains	09/01/08	WASA is monitoring the activity associated with this requirement. Field investigations are being conducted to access the interior of the pipeline to assess their conditions. Report anticipated Summer 2006.
p. 13, V.12.b. (iv)	<u>Main &amp; O Pumping Stations</u> Place in operation	05/01/08	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 14, V.12.c.(iv)	<u>East Side Pumping Station</u> Place in operation	08/01/06	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 15, V.12.e.(iv)	<u>Potomac Pumping Station</u> Place in operation	09/01/08	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.f.(iii)	<u>Improvements at Blue Plains – Grit Chambers</u> <u>1&amp;2 and Influent Screens</u> Place in operation	07/31/07	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

REQUIREMENTS DUE AFTER NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 16, V.12.j.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/06	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.j.	<u>Inspect the three 60-inch Anacostia Siphons</u> Inspect siphons at least once every ten (10) years and clean and repair as necessary.	07/01/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 23, V.16.b. (iii)I & (ii)	<u>Public Notification – Notification lights</u> Place in Operation	20 months after receipt of approvals	A joint meeting between WASA, Black & Veatch, CFA and NCPC staffs has been scheduled for April 10, 2006 in preparation for formal presentations of the project at the CFA's and NCPC's regular monthly meetings on May 18 and June 1, 2006, respectively. Once approved by CFA and NCPC, NPS has indicated that its final approval of the project is routine. There are no outstanding issues between WASA and the Navy Yard or the Southeast Federal Center
p. 27, IX.24	<u>Supplemental Environmental Project</u> Place in Operation	04/07/07	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 25, IX.27	<u>Supplemental Environmental Project</u> Operate and Maintain	For 5 yrs after placing in operation	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 25, IX.28	<u>Supplemental Environmental Project</u> Submit SEP completion report	5 yrs after placing in operation	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

## 5. ON-GOING REQUIREMENTS

The following is a status report for requirements that are performed at periodic intervals at an on-going basis.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 4, II.3.	<u>Application and Scope</u> Provide a copy of the Consent Decree (CD) to any consultant or contractor selected to perform any activity required by the CD.	As required	Completed in Quarter No. 4, 2003. WASA will send additional letters and copies of the CD to affected Project Design Engineers (PDEs) as they are retained for other projects required by the CD.
p. 10, V.10.a.(iv)	<u>Replace Inflatable Dams</u> Operate and maintain all inflatable dams.	Ongoing after 04/01/04	Inspection and maintenance of the inflatable dams is performed monthly and is documented in the CSS Quarterly Report, Section 2.5, Table 2-11 which is available on WASA's web site. Wet weather operations are reported on Table 2-12.
p. 10, V.10.b.(i) (a-e)(ii) (d.)(iv)	<u>Tide Gate Repair &amp; Replacement</u> Operate and maintain all tide gates.	Ongoing after 10/10/03	Inspection and maintenance of the tide gates is performed monthly and is documented in the CSS Quarterly Report, Section 2.2, Table 2, which is available on WASA's web site.
p. 12, V.11.	<u>Pretreatment</u> Maintain and update the current pretreatment program as required by the Clean Water Act, Pretreatment Regulations, and the NPDES Permit.	Ongoing after 10/10/03	The Pretreatment Program is being maintained and updated. The program produces annual reports and updates. The updated 2004 Pretreatment Program Annual Report was provided to EPA on May 17, 2005.



ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 11, V.10.c.	<u>Maximization of Storage in the Collection System – Catch Basins</u> <ul style="list-style-type: none"><li>○ Clean at least 85 % of the catch basins in CSS at least annually</li><li>○ Inspect catch basins in CSO areas tributary to the Anacostia River at least two times per year and clean such basins more frequently as indicated by the inspections.</li></ul>	Annually	Catch basin cleaning totals are reported in WASA’s CSS Quarterly report, in Section 4, available on WASA’s web site. Calendar year to date totals for this quarter are as follows:
			<div>Item</div> <div>No of Catch Basins</div> <div>% of Total</div> <div>Catch Basin in CSS</div> <div>10,871 (1)</div> <div>Catch Basins in CSS Cleaned</div> <div>3,153</div> <div>&gt;29 %</div> <div>Catch Basins in Anacostia CSS</div> <div>5,954 (1)</div> <div>Catch Basins in Anacostia CSS Inspected Once</div> <div>1,866</div> <div>31 %</div> <div>Catch Basins in Anacostia CSS Inspected Twice</div> <div>283</div> <div>5 %</div>
			Notes:
			(1) Catch basin quantities are estimated based on count of catch basins on sewer maps and on experience of field crews.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 13, V.12.a.(i) (ii)	<u>Maximization of Flow to the POTW for Treatment</u> Operate and maintain the collection system to maximize flow to Blue Plains and treat all flows conveyed to permit requirements.	Ongoing after 10/10/03	Operation and maintenance status of the collection system and pumping stations is reported in Section 2 of the CSS quarterly report, available on WASA's web site. The pumping stations and collection system have been operated to maximize the flow to Blue Plains within the constraints of the system. During the period covered by this report, the maximum hourly rate to Complete Treatment exceeded 511 mgd, the rate established as the limit for Phases 1 through 7 of the Blue Plains Liquid Process Improvement Program.
p. 12, V.12.b.(v)	<u>Main and O Pumping Station</u> Maintain a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 14, V.12.c.(v)	<u>East Side Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 14, V.12.d.(iv)	<u>Poplar Point Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 10/10/03	The number of pumps and screens available for service at Poplar Point Pumping Station is reported in Section 2 of the CSS Quarterly report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 15, V.12.e.(v)	<u>Potomac Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 460 mgd.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 17, V.13.b	<u>Facilitate Reports from Public of Dry Weather Overflows</u> <ul style="list-style-type: none"> <li>• Include DWO information on water/sewer bill inserts.</li> <li>• Staff and maintain phone line to receive reports on DWOs.</li> </ul>	Ongoing after 10/10/03	<ul style="list-style-type: none"> <li>• DWO information is included on all water/sewer bill inserts for CSO program.</li> <li>• Phone line and staff remain in operation to receive DWO reports.</li> </ul>
p. 18, V.14.	<u>Control of Solids and Floatable Material in CSOs</u> Conduct visual wet weather surveys at outfalls 009 through 012 to assess the extent of floatables discharged.	Ongoing after 10/10/03	Visual surveys completed in the quarter are included in Section 5 of the CSS Quarterly Report, which is available on WASA's web site.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 18, V.15.	<u>Pollution Prevention Programs</u> Maintain the MS4 pollution prevention programs.	Ongoing after 10/10/03	The MS4 Pollution Prevention Program is being maintained and updated. The program produces annual reports. The annual report for 2006 is currently being prepared.
p. 18, V.15.	<u>Pollution Prevention Programs</u> Continue to periodically educate the public about pollution prevention through its newsletters and web site.	Ongoing after 10/10/03	Information about pollution prevention is included on WASA website. Additional informational pamphlets were included in mailers in water/sewer bills in 2004/2005.
p. 19, V.16.a.(i)	<u>Public Notification – CSO Signs</u> Conduct monthly inspections of CSO warning signs and replace, repair or clear obstructions as required.	Monthly	Inspection and replacement of signs is documented in Section 2 of the CSS Quarterly Reports, available on WASA's web site.
p. 21, V.16.b.	<u>Public Notification – Web Site</u> Maintain general info on CSOs, 12 most current CSS Quarterly Reports, and annual/quarterly CSO discharge volumes.	Ongoing after 10/10/03	This information is on WASA's web site, and it is updated regularly.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	CSO informational pamphlets were distributed to citizens with their water/sewer bill in April and September 2005. A CSO informational pamphlet is to be distributed to citizens along with their water/sewer bill in April and October 2006.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	CSO informational pamphlets were mailed to local marinas in April and September 2005. A CSO informational pamphlet is to be mailed to local marinas in April and October 2006.
p. 24, V.17.a.	<u>Monitoring</u> Report CSO overflows at remote (SCADA-monitored) sites.	04/28/04	Information on CSO overflows reported at SCADA-monitored sites is included in Table 2-12 of the CSS Quarterly Reports, available on WASA's web site.
p. 25, VII.19.(a). (b).(c)	<u>Reporting</u> Submit quarterly consent decree status reports.	28 <sup>th</sup> day of month after end of each calendar quarter	WASA submitted its first Quarterly Report on January 27, 2004 for Quarter No. 4 in 2003 and has submitted a report for each calendar quarter since. This report satisfies the latest reporting requirement.

## 6. REQUIREMENTS COMPLETED IN PRIOR QUARTERS

The following summarizes completed requirements reported in prior quarters.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 8, V.9.a.-j.	<u>Proper Operation and Regular Maintenance</u> Submit a written O&M program to EPA for review and comment but not approval.	06/30/04	Completed. Written O&M program submitted to EPA for review on 6/30/04.
p. 10, V.10.a.(iii)	<u>Replace Inflatable Dams</u> Replace all twelve existing inflatable dams and place all replacement dams in operation.	03/31/04	Completed. All inflatable dams were in operation as of 03/29/04 under Contract 01-0080 issued to Corman Construction Inc.
p. 10, V.10.b.(i) (a-e)(ii)(c.)	<u>Tide Gate Repair &amp; Replacement</u> Repair or replace tide gates at five CSO structures and place in operation.	11/10/03	Completed. All tide gates were placed in operation as of 08/29/03 under Contract 02-0070, Job Number AX01.
p. 11, V.10.d.	<u>Amendments to Sewer System Regulations</u> Recommend sewer regulation amendments to the D.C. Government to limit storm water inflow from any and all new construction and major renovations.	11/10/03	Completed. Three proposed code changes were submitted to the Council of the District of Columbia on October 22, 2003.
p. 13, V.12.b. (iii)	<u>Main &amp; O Pumping Stations</u> Award construction contract for rehabilitation	04/01/05	Completed. Contract awarded to W.M. Schlosser Company, Inc. on February 23, 2005.
p. 14, V.12.b.(ii)	<u>Main &amp; O Pumping Station Rehab</u> Submit documents for required approvals to rehabilitate Main and O Street Pumping Stations to 240 and 45 mgd capacities.	03/01/04	Completed. Documents were submitted to DCRA and the Army Corps of Engineers by the deadline.
p. 14, V.12.c.(ii)	<u>East Side Pumping Station</u> Submit documents for the required approvals for the rehabilitation of Eastside Pumping Station to achieve a pumping capacity of 45 mgd.	08/01/04	Completed. Construction contract awarded 06/04/04 to Ulliman Schutte Construction, LLC
p. 15, V.12.d.(ii)	<u>Poplar Point Pumping Station</u> Submit pump test data to EPA demonstrating a pumping capacity of 45 mgd at Poplar Point Pumping Station.	11/10/03	Completed. Delivery of the package occurred on 12/02/03.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 15, V.12.e.	<u>Potomac Pumping Station Rehab</u> Submit documents for required approvals.	06/01/04	Completed. WASA submitted the Permit Application to DCRA on 5/21/04.
p. 15, V.12.e.(iii)	<u>Potomac Pumping Station</u> Award construction contract for rehabilitation	09/01/05	Completed. Contract awarded to Ulliman Schutte Construction, LLC on March 14, 2005.
p. 16, V.12.f.(i)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Submit documents for required approvals to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	10/20/03	Completed. Building Permit issued 10/12/01.
p. 16, V.12.f.(ii)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Award construction contracts to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	07/31/03	Completed. Contract number 02-0130 awarded to W. M. Schlosser Co. Inc. on 07/17/03 for grit removal upgrades.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 17, V.13.a. (i)-(iii)	<u>System Modifications to Prevent DWOs</u> Correct regulator and/or CSS deficiencies to address dry weather overflows at CSO outfalls 007, 027, 005, 020, 023, 015, 014, and 024 and place in operation.	12/31/03	<p>Completed. This item consists of replacement of regulator structures to reduce the likelihood of DWOs at the specified outfalls.</p> <p>Following facilities placed in operation by 11/24/03 under Contract 01-0020 to Corman Construction:</p> <ul style="list-style-type: none"> <li>• CSO 027 – Structure 43a , Potomac &amp; water St NW</li> <li>• CSO 005 – Structure 7, Railroad Ave &amp; W St SE</li> <li>• CSO 020 – Structure 34a, 23<sup>rd</sup> St near C St NW</li> <li>• CSO 014 – Structure 18, 6<sup>th</sup> and M St. SE</li> <li>• CSO 024 – Structure 38a, 30<sup>th</sup> St south of K St NW</li> </ul> <p>Following Structures placed in operation by 12/19/03 under contract to C&amp;F Construction</p> <ul style="list-style-type: none"> <li>• CSO 007 – Structure 9, 13<sup>th</sup> and Ridge SE</li> <li>• CSO 015 – Structure 19 &amp; 19a, 9<sup>th</sup> and M St SE</li> </ul> <p>The following work was completed by WASA by prior to June 2003:</p> <ul style="list-style-type: none"> <li>• CSO 023 – Rock Creek P.S., install level sensor to indicate risk of DWO</li> </ul>
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Add DWO information to web site.	10/10/03	Completed. DWO information added to web site on 7/14/03.
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Include DWO information in a pamphlet with the sewer bill.	Semi-annually	<p>2004 – Completed. DWO information included in pamphlet in water/sewer bills mailed in August and December 2004.</p> <p>2005 - Completed. DWO information included in pamphlet in water/sewer bills mailed in April and October 2005</p>
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Maintain a Customer Service Hotline with staff trained to receive DWO reports.	10/10/03	Completed. Customer Service Hotline made operational, staff trained 07/24/03, 08/27/03 and 08/28/03.
p.17 V.13.b and p.22 V.16.b	<u>Public Notification Requirements</u> WASA shall provide information pamphlets on CSO location and activity	12/31/05	Semi-Annual information pamphlets were provide to the public; one distribution in April 2005 and another in September 2005. This completes this requirements

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 18, V.13.c.(ii) (iii)	<u>DWO Management Program</u> Provide video cameras and training to inspection staff.	10/10/03	Completed. Three JVC digital camcorders were purchased and received on 09/07/00 and training provided for inspection staff on 09/26/00.
p. 18, V.13.d.	<u>Control of Construction Debris</u> Improve coordination with the D.C. Department of Health and the D.C. Department of Consumer and Regulatory Affairs for erosion/sediment control.	10/10/03	Completed. Letter sent to the respective agencies on 07/18/03 seeking to improve coordination regarding control of construction debris and the prevention of its entry into the sewer system. The letter lists opportunities for improvement and better coordination and provides contact personnel and telephone numbers.
p. 20, V.16.a. (ii)	<u>Public Notification; CSO Signs – National Park Service</u> Apply to the National Park Service (NPS) for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. John G. Parsons, Associate Regional Director, for NPS to install the signs. In their letter of 11/25/03, NPS denied approval for placement of new signs.
p. 20, V.16.a.(iii)	<u>CSO Signs – WASA Controlled Sites</u> Install two new signs at WASA controlled CSO outfalls: 009-012 and one sign each at CSO outfalls 001 and 003.	04/07/04	Completed early. Signs installed 2/12/04.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – National Zoo</u> Apply to the National Zoo for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Marc M. Mueller, National Zoological Park Resident Engineer, to install the signs. The Zoo approved placement of new signs in their letter of 12/13/03.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – Navy Yard</u> Apply to the Navy Yard for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Thomas P. Lewis Chief, Environmental and Safety Division for the Navy Yard to install the signs. In their letter of 11/17/03, Navy Yard denied approval for placement of new signs.
p. 21, V.16.a. (iv)	<u>Public Notification; CSO Signs – Southeast Federal Center</u> Apply to Southeast Federal Center for a permit to install new CSO sign.	11/10/03	Completed. Made written application on 09/04/03 to Mr. Steven Richard, Director, Service Delivery Support Division for SE Federal Center to install the sign. In their letter of 12/19/03, SE Federal Center denied approval for placement of new signs.
p. 21, V.16.a.(iv)	<u>CSO Signs –National Zoo</u> Install new signs at CSO outfalls 041-045 after approval by National Zoo.	06/10/04	Completed. Signs installed 4/12/04.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
pp. 21-22, V.16.b.(i) (a)-(g)	<u>Public Notification – Web site</u> Maintain accurate and up-to-date CSO information on the WASA web site as outlined in the CD.	10/10/03	Completed. Web site updated as outlined in the CD on 07/14/03 and quarterly thereafter.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	2004 – Completed. CSO informational pamphlet included in water/sewer bills mailed in August and December 2004.  2005 - Completed. CSO informational pamphlet included in water/sewer bills mailed in April and September 2005.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	2004 - Completed. WASA mailed copies of CSO informational pamphlet to marinas, boat rental facilities, etc. in August and December 2004  2005 - Completed. WASA mailed copies of CSO informational pamphlet to marinas, boat rental facilities, etc. in April and September 2005
p. 23, V.16.b.(iii) (c)(i)	<u>Public Notification - Notification lights</u> Submit documents for required approvals to install and operate CSO warning lights on the Anacostia and Potomac Rivers.	12/31/03	Completed.
p. 26, VIII.20.	<u>Civil Penalty</u> Pay a penalty of \$250,000 to the U. S. Department of Justice.	11/10/03	Completed. An electronic transfer of \$250,000 to the U.S. Department of Justice was performed on 11/10/03.
p. 27, IX.23.-30.	<u>Supplemental Environmental Projects (SEPs)</u> Submit to EPA detailed scope of work and exact location of SEP.	04/07/04	Completed. WASA submitted its proposed SEP on April 1, 2004. EPA provided comments in a May 18, 2004 letter and in a May 25, 2004 conference call. WASA submitted a revised scope of work addressing EPA's comments on August 23, 2004. WASA received EPA's written approval of the proposed SEP on January 24, 2005.
p. 30, X.31.	<u>Citizen Community Project</u> Pay the Chesapeake Bay Foundation \$300,000 for the design, installation, and maintenance of green roof demonstration projects.	11/10/03	Completed. An electronic transfer of \$300,000 to the Chesapeake Bay Foundation was performed on 11/10/03.





**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**  
Serving the Public • Protecting the Environment

## **3-Party Consent Decree Status Report: Quarter No. 2 - 2006**

Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)

**July 2006**

DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY  
Washington, D.C.

*3-Party Consent Decree Status Report*  
*Quarter No. 2 - 2006*

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## 1. INTRODUCTION

The District of Columbia Water and Sewer Authority (WASA or Authority) entered into a Consent Decree (CD) with the U.S. Government and certain citizen plaintiffs to resolve allegations regarding the combined sewer system (CSS). The following consent decree was lodged with and entered by the court on June 25, 2003 and October 10, 2003, respectively:

United States District Court for the District of Columbia  
Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)  
Consent Decree

The CD requires that WASA submit written status reports to the Environmental Protection Agency (EPA) and the citizen plaintiffs by the 28<sup>th</sup> day of the month following the end of each calendar quarter. The CD requires that the following be provided in each status report:

- The due dates and other terms that WASA is required to meet since the date of the last quarterly statement, whether and to what extent WASA has met these requirements, and the reasons for any noncompliance.
- A general description of the work completed within the three-month period, and a projection of work to be performed during the next three-month period.
- All other items as specified in Section V (Compliance Program and Schedules) of the CD including the status of the catch basin cleaning.

This report covers the months April through June 2006, which is Quarter No. 2 in 2006. Note that the CD requires posting certain information on WASA's web site, including the Combined Sewer System (CSS) Quarterly Reports. The web site addresses for these items are as follows:

- WASA's web site: [www.dcwasa.com](http://www.dcwasa.com)
- CSS Quarterly Reports on WASA's web site: <http://www.dcwasa.com/education/css/publicinformation.cfm>

## 2. REQUIREMENTS DUE IN CURRENT QUARTER

The following is a status report for requirements due in the current quarter:

REQUIREMENTS DUE IN CURRENT QUARTER			
Reference	Requirement	Due Date	Status
p. 27, IX.25	<u>Supplemental Environmental Project</u> Report on SEP progress in Quarterly Reports to EPA	Quarterly, after EPA approves SEP	<ol style="list-style-type: none"><li>1. <u>Actions taken in prior calendar quarter:</u> UFA completed report templates that tied the GIS layers and the street tree inventory for the inspection process of the trees.</li><li>2. <u>Actions planned to be taken in the next quarter:</u> DDOT Procurement Office to bid the construction contract for the rain gardens.</li><li>3. <u>Impediments which may delay project completion:</u> None identified.</li><li>4. <u>Accounting of costs expended prior quarter:</u> None</li></ol>

### 3. REQUIREMENTS DUE NEXT QUARTER

The following is a status report for requirements due in the next quarter.

REQUIREMENTS DUE NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 16, V.12.j.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/06	WASA is reviewing the inspection reports prepared for the required work. WASA will meet the activity due date.
p. 14, V.12.c.(iv)	<u>East Side Pumping Station</u> Place in operation	08/01/06	WASA began the 15 day pump acceptance test on June 27. Based on the information currently available, expects to meet the deadline

### 4. REQUIREMENTS DUE AFTER NEXT QUARTER

The following are requirements due after next quarter. Only those activities which are not addressed in prior tables are include

REQUIREMENTS DUE AFTER NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 12, V.10.e	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains	09/01/08	WASA is monitoring the activity associated with this requirement. Field investigations are being conducted to access the interior of the pipeline to assess their conditions. Report anticipated Summer 2006.
p. 13, V.12.b. (iv)	<u>Main &amp; O Pumping Stations</u> Place in operation	05/01/08	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 15, V.12.e.(iv)	<u>Potomac Pumping Station</u> Place in operation	09/01/08	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.f.(iii)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Place in operation	07/31/07	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.j.	<u>Inspect the three 60-inch Anacostia Siphons</u> Inspect siphons at least once every ten (10) years and clean and repair as necessary.	07/01/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

<b>REQUIREMENTS DUE AFTER NEXT QUARTER</b>			
<b>Reference</b>	<b>Requirement</b>	<b>Due Date</b>	<b>Status</b>
p. 23, V.16.b. (iii)I & (ii)	<u>Public Notification – Notification lights</u> Place in Operation	20 months after receipt of approvals	NPS indicates that its final approval of the project is routine once CFA and NCPC approvals are secured. CFA approval was secured following the June 15th board meeting. NCPC is scheduled to review for approval at the July 6 <sup>th</sup> Commission meeting and will follow up with a letter documenting the decision. There are no outstanding issues between WASA and the Navy Yard or the Southeast Federal Center
p. 27, IX.24	<u>Supplemental Environmental Project</u> Place in Operation	04/07/07	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 25, IX.27	<u>Supplemental Environmental Project</u> Operate and Maintain	For 5 yrs after placing in operation	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 25, IX.28	<u>Supplemental Environmental Project</u> Submit SEP completion report	5 yrs after placing in operation	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

## 5. ON-GOING REQUIREMENTS

The following is a status report for requirements that are performed at periodic intervals at an on-going basis.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 4, II.3.	<u>Application and Scope</u> Provide a copy of the Consent Decree (CD) to any consultant or contractor selected to perform any activity required by the CD.	As required	Completed in Quarter No. 4, 2003. WASA will send additional letters and copies of the CD to affected Project Design Engineers (PDEs) as they are retained for other projects required by the CD.
p. 10, V.10.a.(iv)	<u>Replace Inflatable Dams</u> Operate and maintain all inflatable dams.	Ongoing after 04/01/04	Inspection and maintenance of the inflatable dams is performed monthly and is documented in the CSS Quarterly Report, Section 2.5, Table 2-11 which is available on WASA's web site. Wet weather operations are reported on Table 2-12.
p. 10, V.10.b.(i) (a-e)(ii) (d.)(iv)	<u>Tide Gate Repair &amp; Replacement</u> Operate and maintain all tide gates.	Ongoing after 10/10/03	Inspection and maintenance of the tide gates is performed monthly and is documented in the CSS Quarterly Report, Section 2.2, Table 2, which is available on WASA's web site.
p. 12, V.11.	<u>Pretreatment</u> Maintain and update the current pretreatment program as required by the Clean Water Act, Pretreatment Regulations, and the NPDES Permit.	Ongoing after 10/10/03	The Pretreatment Program is being maintained and updated. The program produces annual reports and updates. The updated 2005 Pretreatment Program Annual Report was submitted to EPA on February 27, 2006. An update to that report was submitted to EPA on May 5, 2006.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 11, V.10.c.	<u>Maximization of Storage in the Collection System – Catch Basins</u> <ul style="list-style-type: none"> <li>○ Clean at least 85 % of the catch basins in CSS at least annually</li> <li>○ Inspect catch basins in CSO areas tributary to the Anacostia River at least two times per year and clean such basins more frequently as indicated by the inspections.</li> </ul>	Annually	Catch basin cleaning totals are reported in WASA's CSS Quarterly report, in Section 4, available on WASA's web site. Calendar year to date totals for this quarter are as follows:
			<div>Item</div> <div>No of Catch Basins</div> <div>% of Total</div> <div>Catch Basin in CSS</div> <div>#10,871 (1)</div> <div>Catch Basins in CSS Cleaned</div> <div>#7,378</div> <div>68%</div> <div>Catch Basins in Anacostia CSS</div> <div>#5,954 (1)</div> <div>Catch Basins in Anacostia CSS Inspected Once</div> <div>#4005</div> <div>67%</div> <div>Catch Basins in Anacostia CSS Inspected Twice</div> <div>1102#</div> <div>18.5%</div>
			Notes: (1) Catch basin quantities are estimated based on count of catch basins on sewer maps and on experience of field crews.



ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 13, V.12.a.(i) (ii)	<u>Maximization of Flow to the POTW for Treatment</u> Operate and maintain the collection system to maximize flow to Blue Plains and treat all flows conveyed to permit requirements.	Ongoing after 10/10/03	Operation and maintenance status of the collection system and pumping stations is reported in Section 2 of the CSS quarterly report, available on WASA's web site. The pumping stations and collection system have been operated to maximize the flow to Blue Plains within the constraints of the system. During the period covered by this report, the maximum hourly rate to Complete Treatment exceeded 511 mgd, the rate established as the limit for Phases 1 through 7 of the Blue Plains Liquid Process Improvement Program.
p. 12, V.12.b.(v)	<u>Main and O Pumping Station</u> Maintain a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 14, V.12.c.(v)	<u>East Side Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 14, V.12.d.(iv)	<u>Poplar Point Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 10/10/03	The number of pumps and screens available for service at Poplar Point Pumping Station is reported in Section 2 of the CSS Quarterly report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 15, V.12.e.(v)	<u>Potomac Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 460 mgd.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 17, V.13.b	<u>Facilitate Reports from Public of Dry Weather Overflows</u> <ul style="list-style-type: none"> <li>• Include DWO information on water/sewer bill inserts.</li> <li>• Staff and maintain phone line to receive reports on DWOs.</li> </ul>	Ongoing after 10/10/03	<ul style="list-style-type: none"> <li>• DWO information is included on all water/sewer bill inserts for CSO program.</li> <li>• Phone line and staff remain in operation to receive DWO reports.</li> </ul>
p. 18, V.14.	<u>Control of Solids and Floatable Material in CSOs</u> Conduct visual wet weather surveys at outfalls 009 through 012 to assess the extent of floatables discharged.	Ongoing after 10/10/03	Visual surveys completed in the quarter are included in Section 5 of the CSS Quarterly Report, which is available on WASA's web site.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 18, V.15.	<u>Pollution Prevention Programs</u> Maintain the MS4 pollution prevention programs.	Ongoing after 10/10/03	The MS4 Pollution Prevention Program is being maintained and updated. The program produces annual reports. The annual report is being prepared for transmittal in August 2006
p. 18, V.15.	<u>Pollution Prevention Programs</u> Continue to periodically educate the public about pollution prevention through its newsletters and web site.	Ongoing after 10/10/03	Information about pollution prevention is included on WASA website. In addition, informational pamphlets were included in water/sewer bills mailed to citizens twice in 2004 and in 2005.
p. 19, V.16.a.(i)	<u>Public Notification – CSO Signs</u> Conduct monthly inspections of CSO warning signs and replace, repair or clear obstructions as required.	Monthly	Inspection and replacement of signs is documented in Section 2 of the CSS Quarterly Reports, available on WASA's web site.
p. 21, V.16.b.	<u>Public Notification – Web Site</u> Maintain general info on CSOs, 12 most current CSS Quarterly Reports, and annual/quarterly CSO discharge volumes.	Ongoing after 10/10/03	This information is on WASA's web site, and it is updated regularly.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	CSO informational pamphlets were distributed to citizens with their water/sewer bill in April and September 2005. A CSO informational pamphlet was distributed to citizens along with their water/sewer bill in April 2006. Another mailing is planned for October 2006.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	CSO informational pamphlets were mailed to local marinas in April and September 2005. A CSO informational pamphlet was mailed to local marinas in April 2006. Another mailing is planned for October 2006.
p. 24, V.17.a.	<u>Monitoring</u> Report CSO overflows at remote (SCADA-monitored) sites.	04/28/04	Information on CSO overflows reported at SCADA-monitored sites is included in Table 2-12 of the CSS Quarterly Reports, available on WASA's web site.
p. 25, VII.19.(a). (b).(c)	<u>Reporting</u> Submit quarterly consent decree status reports.	28 <sup>th</sup> day of month after end of each calendar quarter	WASA submitted its first Quarterly Report on January 27, 2004 for Quarter No. 4 in 2003 and has submitted a report for each calendar quarter since. This report satisfies the latest reporting requirement.

## 6. REQUIREMENTS COMPLETED IN PRIOR QUARTERS

The following summarizes completed requirements reported in prior quarters.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 8, V.9.a.-j.	<u>Proper Operation and Regular Maintenance</u> Submit a written O&M program to EPA for review and comment but not approval.	06/30/04	Completed. Written O&M program submitted to EPA for review on 6/30/04.
p. 10, V.10.a.(iii)	<u>Replace Inflatable Dams</u> Replace all twelve existing inflatable dams and place all replacement dams in operation.	03/31/04	Completed. All inflatable dams were in operation as of 03/29/04 under Contract 01-0080 issued to Corman Construction Inc.
p. 10, V.10.b.(i) (a-e)(ii)(c.)	<u>Tide Gate Repair &amp; Replacement</u> Repair or replace tide gates at five CSO structures and place in operation.	11/10/03	Completed. All tide gates were placed in operation as of 08/29/03 under Contract 02-0070, Job Number AX01.
p. 11, V.10.d.	<u>Amendments to Sewer System Regulations</u> Recommend sewer regulation amendments to the D.C. Government to limit storm water inflow from any and all new construction and major renovations.	11/10/03	Completed. Three proposed code changes were submitted to the Council of the District of Columbia on October 22, 2003.
p. 13, V.12.b. (iii)	<u>Main &amp; O Pumping Stations</u> Award construction contract for rehabilitation	04/01/05	Completed. Contract awarded to W.M. Schlosser Company, Inc. on February 23, 2005.
p. 14, V.12.b.(ii)	<u>Main &amp; O Pumping Station Rehab</u> Submit documents for required approvals to rehabilitate Main and O Street Pumping Stations to 240 and 45 mgd capacities.	03/01/04	Completed. Documents were submitted to DCRA and the Army Corps of Engineers by the deadline.
p. 14, V.12.c.(ii)	<u>East Side Pumping Station</u> Submit documents for the required approvals for the rehabilitation of Eastside Pumping Station to achieve a pumping capacity of 45 mgd.	08/01/04	Completed. Construction contract awarded 06/04/04 to Ulliman Schutte Construction, LLC
p. 15, V.12.d.(ii)	<u>Poplar Point Pumping Station</u> Submit pump test data to EPA demonstrating a pumping capacity of 45 mgd at Poplar Point Pumping Station.	11/10/03	Completed. Delivery of the package occurred on 12/02/03.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 15, V.12.e.	<u>Potomac Pumping Station Rehab</u> Submit documents for required approvals.	06/01/04	Completed. WASA submitted the Permit Application to DCRA on 5/21/04.
p. 15, V.12.e.(iii)	<u>Potomac Pumping Station</u> Award construction contract for rehabilitation	09/01/05	Completed. Contract awarded to Ulliman Schutte Construction, LLC on March 14, 2005.
p. 16, V.12.f.(i)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Submit documents for required approvals to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	10/20/03	Completed. Building Permit issued 10/12/01.
p. 16, V.12.f.(ii)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Award construction contracts to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	07/31/03	Completed. Contract number 02-0130 awarded to W. M. Schlosser Co. Inc. on 07/17/03 for grit removal upgrades.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 17, V.13.a. (i)-(iii)	<u>System Modifications to Prevent DWOs</u> Correct regulator and/or CSS deficiencies to address dry weather overflows at CSO outfalls 007, 027, 005, 020, 023, 015, 014, and 024 and place in operation.	12/31/03	<p>Completed. This item consists of replacement of regulator structures to reduce the likelihood of DWOs at the specified outfalls.</p> <p>Following facilities placed in operation by 11/24/03 under Contract 01-0020 to Corman Construction:</p> <ul style="list-style-type: none"> <li>• CSO 027 – Structure 43a , Potomac &amp; water St NW</li> <li>• CSO 005 – Structure 7, Railroad Ave &amp; W St SE</li> <li>• CSO 020 – Structure 34a, 23<sup>rd</sup> St near C St NW</li> <li>• CSO 014 – Structure 18, 6<sup>th</sup> and M St. SE</li> <li>• CSO 024 – Structure 38a, 30<sup>th</sup> St south of K St NW</li> </ul> <p>Following Structures placed in operation by 12/19/03 under contract to C&amp;F Construction</p> <ul style="list-style-type: none"> <li>• CSO 007 – Structure 9, 13<sup>th</sup> and Ridge SE</li> <li>• CSO 015 – Structure 19 &amp; 19a, 9<sup>th</sup> and M St SE</li> </ul> <p>The following work was completed by WASA prior to June 2003:</p> <ul style="list-style-type: none"> <li>• CSO 023 – Rock Creek P.S., install level sensor to indicate risk of DWO</li> </ul>
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Add DWO information to web site.	10/10/03	Completed. DWO information added to web site on 7/14/03.
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Include DWO information in a pamphlet with the sewer bill.	Semi-annually	<p>2004 – Completed. DWO information included in pamphlet in water/sewer bills mailed in August and December 2004.</p> <p>2005 - Completed. DWO information included in pamphlet in water/sewer bills mailed in April and October 2005</p>
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Maintain a Customer Service Hotline with staff trained to receive DWO reports.	10/10/03	Completed. Customer Service Hotline made operational, staff trained 07/24/03, 08/27/03 and 08/28/03.
p.17 V.13.b and p.22 V.16.b	<u>Public Notification Requirements</u> WASA shall provide information pamphlets on CSO location and activity	12/31/05	Semi-Annual information pamphlets were provide to the public; one distribution in April 2005 and another in September 2005. This completes this requirements

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 18, V.13.c.(ii) (iii)	<u>DWO Management Program</u> Provide video cameras and training to inspection staff.	10/10/03	Completed. Three JVC digital camcorders were purchased and received on 09/07/00 and training provided for inspection staff on 09/26/00.
p. 18, V.13.d.	<u>Control of Construction Debris</u> Improve coordination with the D.C. Department of Health and the D.C. Department of Consumer and Regulatory Affairs for erosion/sediment control.	10/10/03	Completed. Letter sent to the respective agencies on 07/18/03 seeking to improve coordination regarding control of construction debris and the prevention of its entry into the sewer system. The letter lists opportunities for improvement and better coordination and provides contact personnel and telephone numbers.
p. 20, V.16.a. (ii)	<u>Public Notification; CSO Signs – National Park Service</u> Apply to the National Park Service (NPS) for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. John G. Parsons, Associate Regional Director, for NPS to install the signs. In their letter of 11/25/03, NPS denied approval for placement of new signs.
p. 20, V.16.a.(iii)	<u>CSO Signs – WASA Controlled Sites</u> Install two new signs at WASA controlled CSO outfalls: 009-012 and one sign each at CSO outfalls 001 and 003.	04/07/04	Completed. Signs installed 2/12/04.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – National Zoo</u> Apply to the National Zoo for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Marc M. Mueller, National Zoological Park Resident Engineer, to install the signs. The Zoo approved placement of new signs in their letter of 12/13/03.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – Navy Yard</u> Apply to the Navy Yard for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Thomas P. Lewis Chief, Environmental and Safety Division for the Navy Yard to install the signs. In their letter of 11/17/03, Navy Yard denied approval for placement of new signs.
p. 21, V.16.a. (iv)	<u>Public Notification; CSO Signs – Southeast Federal Center</u> Apply to Southeast Federal Center for a permit to install new CSO sign.	11/10/03	Completed. Made written application on 09/04/03 to Mr. Steven Richard, Director, Service Delivery Support Division for SE Federal Center to install the sign. In their letter of 12/19/03, SE Federal Center denied approval for placement of new signs.
p. 21, V.16.a.(iv)	<u>CSO Signs –National Zoo</u> Install new signs at CSO outfalls 041-045 after approval by National Zoo.	06/10/04	Completed. Signs installed 4/12/04.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
pp. 21-22, V.16.b.(i) (a)-(g)	<u>Public Notification – Web site</u> Maintain accurate and up-to-date CSO information on the WASA web site as outlined in the CD.	10/10/03	Completed. Web site updated as outlined in the CD on 07/14/03 and quarterly thereafter.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	2004 – Completed. CSO informational pamphlet included in water/sewer bills mailed in August and December 2004.  2005 - Completed. CSO informational pamphlet included in water/sewer bills mailed in April and September 2005.  2006 – CSO information pamphlet included in the water/sewer bill mailed in April.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	2004 - Completed. WASA mailed copies of CSO informational pamphlet to marinas, boat rental facilities, etc. in August and December 2004  2005 - Completed. WASA mailed copies of CSO informational pamphlet to marinas, boat rental facilities, etc. in April and September 2005
p. 23, V.16.b.(iii) (c)(i)	<u>Public Notification - Notification lights</u> Submit documents for required approvals to install and operate CSO warning lights on the Anacostia and Potomac Rivers.	12/31/03	Completed.
p. 26, VIII.20.	<u>Civil Penalty</u> Pay a penalty of \$250,000 to the U. S. Department of Justice.	11/10/03	Completed. An electronic transfer of \$250,000 to the U.S. Department of Justice was performed on 11/10/03.
p. 27, IX.23.-30.	<u>Supplemental Environmental Projects (SEPs)</u> Submit to EPA detailed scope of work and exact location of SEP.	04/07/04	Completed. WASA submitted its proposed SEP on April 1, 2004. EPA provided comments in a May 18, 2004 letter and in a May 25, 2004 conference call. WASA submitted a revised scope of work addressing EPA's comments on August 23, 2004. WASA received EPA's written approval of the proposed SEP on January 24, 2005.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 30, X.31.	<u>Citizen Community Project</u> Pay the Chesapeake Bay Foundation \$300,000 for the design, installation, and maintenance of green roof demonstration projects.	11/10/03	Completed. An electronic transfer of \$300,000 to the Chesapeake Bay Foundation was performed on 11/10/03.





**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**  
Serving the Public • Protecting the Environment

## **3-Party Consent Decree Status Report: Quarter No. 3 - 2006**

Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)

**October 2006**

DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY  
Washington, D.C.

*3-Party Consent Decree Status Report*  
*Quarter No. 3 - 2006*

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## 1. INTRODUCTION

The District of Columbia Water and Sewer Authority (WASA or Authority) entered into a Consent Decree (CD) with the U.S. Government and certain citizen plaintiffs to resolve allegations regarding the combined sewer system (CSS). The following consent decree was lodged with and entered by the court on June 25, 2003 and October 10, 2003, respectively:

United States District Court for the District of Columbia  
Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)  
Consent Decree

The CD requires that WASA submit written status reports to the Environmental Protection Agency (EPA) and the citizen plaintiffs by the 28<sup>th</sup> day of the month following the end of each calendar quarter. The CD requires that the following be provided in each status report:

- The due dates and other terms that WASA is required to meet since the date of the last quarterly statement, whether and to what extent WASA has met these requirements, and the reasons for any noncompliance.
- A general description of the work completed within the three-month period, and a projection of work to be performed during the next three-month period.
- All other items as specified in Section V (Compliance Program and Schedules) of the CD including the status of the catch basin cleaning.

This report covers the months July through September 2006, which is Quarter No. 3 in 2006. Note that the CD requires posting certain information on WASA's web site, including the Combined Sewer System (CSS) Quarterly Reports. The web site addresses for these items are as follows:

- WASA's web site: [www.dcwasa.com](http://www.dcwasa.com)
- CSS Quarterly Reports on WASA's web site: <http://www.dcwasa.com/education/css/publicinformation.cfm>

## 2. REQUIREMENTS DUE IN CURRENT QUARTER

The following is a status report for requirements due in the current quarter:

REQUIREMENTS DUE IN CURRENT QUARTER			
Reference	Requirement	Due Date	Status
p. 27, IX.25	<u>Supplemental Environmental Project</u> Report on SEP progress in Quarterly Reports to EPA	Quarterly, after EPA approves SEP	<ol style="list-style-type: none"> <li>1. <u>Actions taken in prior calendar quarter:</u> Obtained from DDOT/UFA report templates that tied the GIS layers and the street tree inventory for the inspection process of the trees. Held meeting with DDOT/UFA to inform them of WASA's actions to implement the approved planned for Rain Gardens due to lack of progress.</li> <li>2. <u>Actions planned to be taken in the next quarter:</u> Complete the design and procure construction services to install the Rain Gardens.</li> <li>3. <u>Impediments which may delay project completion:</u> None identified.</li> <li>4. <u>Accounting of costs expended prior quarter:</u> None</li> </ol>
p. 14, V.12.c.(iv)	<u>East Side Pumping Station</u> Place in operation	08/01/06	Completed. WASA conducted a 15 day pump certification test and the placed the pumps in service on July 21, 2006.
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/06	The sewers were inspected and found to have minimal deposition. No repair or cleaning was required.

### 3. REQUIREMENTS DUE NEXT QUARTER

The following is a status report for requirements due in the next quarter.

REQUIREMENTS DUE NEXT QUARTER			
Reference	Requirement	Due Date	Status
	No requirements due this quarter		

### 4. REQUIREMENTS DUE AFTER NEXT QUARTER

The following are requirements due after next quarter. Only those activities which are not addressed in prior tables are include

REQUIREMENTS DUE AFTER NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 12, V.10.e.i	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains	09/01/08	WASA will submit a report addressing this issue in accordance with p. 12, V.10.e.ii, described below.
p. 12, V.10.e.ii	<u>Assurance of Conveyance Capacity</u> If extension of 9/1/08 deadline for assuring conveyance capacity of 1076 mgd is required, submit report documenting bases for extension.	10/10/06	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 13, V.12.b. (iv)	<u>Main &amp; O Pumping Stations</u> Place in operation	05/01/08	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 15, V.12.e.(iv)	<u>Potomac Pumping Station</u> Place in operation	09/01/08	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.f.(iii)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Place in operation	07/31/07	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.i.	<u>Inspect the three 60-inch Anacostia Siphons</u> Inspect siphons at least once every ten (10) years and clean and repair as necessary.	07/01/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

REQUIREMENTS DUE AFTER NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 23, V.16.b. (iii)I & (ii)	<u>Public Notification – Notification lights</u> Place in Operation	20 months after receipt of approvals	NCPC approved the site development plans for construction of the CSO Notification Lights. NPS was contacted regarding the status of the permit application. NPS advised us to prepare a letter requesting the permit with appropriate attachment for approval. WASA has submitted the request and expects approval next quarter.
p. 27, IX.24	<u>Supplemental Environmental Project</u> Place in Operation	04/07/07	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 25, IX.27	<u>Supplemental Environmental Project</u> Operate and Maintain	For 5 yrs after placing in operation	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 25, IX.28	<u>Supplemental Environmental Project</u> Submit SEP completion report	5 yrs after placing in operation	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

## 5. ON-GOING REQUIREMENTS

The following is a status report for requirements that are performed at periodic intervals at an on-going basis.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 4, II.3.	<u>Application and Scope</u> Provide a copy of the Consent Decree (CD) to any consultant or contractor selected to perform any activity required by the CD.	As required	Completed in Quarter No. 4, 2003. WASA will send additional letters and copies of the CD to affected Project Design Engineers (PDEs) as they are retained for other projects required by the CD.
p. 10, V.10.a.(iv)	<u>Replace Inflatable Dams</u> Operate and maintain all inflatable dams.	Ongoing after 04/01/04	Inspection and maintenance of the inflatable dams is performed monthly and is documented in the CSS Quarterly Report, Section 2.5, Table 2-11 which is available on WASA's web site. Wet weather operations are reported on Table 2-12.
p. 10, V.10.b.(i) (a-e)(ii) (d.)(iv)	<u>Tide Gate Repair &amp; Replacement</u> Operate and maintain all tide gates.	Ongoing after 10/10/03	Inspection and maintenance of the tide gates is performed monthly and is documented in the CSS Quarterly Report, Section 2.2, Table 2, which is available on WASA's web site.
p. 12, V.11.	<u>Pretreatment</u> Maintain and update the current pretreatment program as required by the Clean Water Act, Pretreatment Regulations, and the NPDES Permit.	Ongoing after 10/10/03	The Pretreatment Program is being maintained and updated. The program produces annual reports and updates. The updated 2005 Pretreatment Program Annual Report was submitted to EPA on February 27, 2006. An update to that report was submitted to EPA on May 5, 2006.

ON-GOING ACTIVITIES																					
Reference	Requirement	Due Date	Status																		
p. 11, V.10.c.	<u>Maximization of Storage in the Collection System – Catch Basins</u> <ul style="list-style-type: none"><li>○ Clean at least 85 % of the catch basins in CSS at least annually</li><li>○ Inspect catch basins in CSO areas tributary to the Anacostia River at least two times per year and clean such basins more frequently as indicated by the inspections.</li></ul>	Annually	Catch basin cleaning totals are reported in WASA’s CSS Quarterly report, in Section 4, available on WASA’s web site. Calendar year to date totals for this quarter are as follows:																		
			<table><tr><th>Item</th><th>No of Catch Basins</th><th>% of Total</th></tr><tr><td>Catch Basin in CSS</td><td>10,871 (1)</td><td></td></tr><tr><td>Catch Basins in CSS Cleaned</td><td>11137</td><td>&gt;100%</td></tr><tr><td>Catch Basins in Anacostia CSS</td><td>5,954 (1)</td><td></td></tr><tr><td>Catch Basins in Anacostia CSS Inspected Once</td><td>5,954</td><td>100%</td></tr><tr><td>Catch Basins in Anacostia CSS Inspected Twice</td><td>3,505</td><td>59%</td></tr></table>	Item	No of Catch Basins	% of Total	Catch Basin in CSS	10,871 (1)		Catch Basins in CSS Cleaned	11137	>100%	Catch Basins in Anacostia CSS	5,954 (1)		Catch Basins in Anacostia CSS Inspected Once	5,954	100%	Catch Basins in Anacostia CSS Inspected Twice	3,505	59%
			Item	No of Catch Basins	% of Total																
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Notes: (1) Catch basin quantities are estimated based on count of catch basins on sewer maps and on experience of field crews.																					



ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 13, V.12.a.(i) (ii)	<u>Maximization of Flow to the POTW for Treatment</u> Operate and maintain the collection system to maximize flow to Blue Plains and treat all flows conveyed to permit requirements.	Ongoing after 10/10/03	Operation and maintenance status of the collection system and pumping stations is reported in Section 2 of the CSS quarterly report, available on WASA's web site. The pumping stations and collection system have been operated to maximize the flow to Blue Plains within the constraints of the system. During the period covered by this report, the maximum hourly rate to Complete Treatment exceeded 511 mgd, the rate established as the limit for Phases 1 through 7 of the Blue Plains Liquid Process Improvement Program.
p.14.12.b. (v)	<u>Main and O Pumping Station</u> Maintain a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 14, V.12.c.(v)	<u>East Side Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 08/01/06	The number of pumps and screens available for service at East Side Pumping Station is reported in Section 2 of the CSS Quarterly Report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report
p. 14, V.12.d.(iv)	<u>Poplar Point Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 10/10/03	The number of pumps and screens available for service at Poplar Point Pumping Station is reported in Section 2 of the CSS Quarterly report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 15, V.12.e.(v)	<u>Potomac Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 460 mgd.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 17, V.13.b	<u>Facilitate Reports from Public of Dry Weather Overflows</u> <ul style="list-style-type: none"> <li>• Include DWO information on water/sewer bill inserts.</li> <li>• Staff and maintain phone line to receive reports on DWOs.</li> </ul>	Ongoing after 10/10/03	<ul style="list-style-type: none"> <li>• DWO information is included on all water/sewer bill inserts for CSO program.</li> <li>• Phone line and staff remain in operation to receive DWO reports.</li> </ul>

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 18, V.14.	<u>Control of Solids and Floatable Material in CSOs</u> Conduct visual wet weather surveys at outfalls 009 through 012 to assess the extent of floatables discharged.	Ongoing after 10/10/03	Visual surveys completed in the quarter are included in Section 5 of the CSS Quarterly Report, which is available on WASA's web site.
p. 18, V.15.	<u>Pollution Prevention Programs</u> Maintain the MS4 pollution prevention programs.	Ongoing after 10/10/03	The MS4 Pollution Prevention Program is being maintained and updated. The program produces annual reports. The annual report is being prepared for transmittal in August 2006
p. 18, V.15.	<u>Pollution Prevention Programs</u> Continue to periodically educate the public about pollution prevention through its newsletters and web site.	Ongoing after 10/10/03	Information about pollution prevention is included on WASA website. In addition, informational pamphlets were included in water/sewer bills mailed to citizens twice in 2004 and in 2005.
p. 19, V.16.a.(i)	<u>Public Notification – CSO Signs</u> Conduct monthly inspections of CSO warning signs and replace, repair or clear obstructions as required.	Monthly	Inspection and replacement of signs is documented in Section 2 of the CSS Quarterly Reports, available on WASA's web site.
p. 21, V.16.b.	<u>Public Notification – Web Site</u> Maintain general info on CSOs, 12 most current CSS Quarterly Reports, and annual/quarterly CSO discharge volumes.	Ongoing after 10/10/03	This information is on WASA's web site, and it is updated regularly.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	CSO informational pamphlets were distributed to citizens with their water/sewer bill in April and September 2005. A CSO informational pamphlet was distributed to citizens along with their water/sewer bill in April 2006 and October 2006.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	CSO informational pamphlets were mailed to local marinas in April and September 2005. A CSO informational pamphlet was mailed to local marinas in April 2006 and October 2006.
p. 24, V.17.a.	<u>Monitoring</u> Report CSO overflows at remote (SCADA-monitored) sites.	04/28/04	Information on CSO overflows reported at SCADA-monitored sites is included in Table 2-12 of the CSS Quarterly Reports, available on WASA's web site.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 25, VII.19.(a). (b).(c)	<u>Reporting</u> Submit quarterly consent decree status reports.	28 <sup>th</sup> day of month after end of each calendar quarter	WASA submitted its first Quarterly Report on January 27, 2004 for Quarter No. 4 in 2003 and has submitted a report for each calendar quarter since. This report satisfies the latest reporting requirement.

## 6. REQUIREMENTS COMPLETED IN PRIOR QUARTERS

The following summarizes completed requirements reported in prior quarters.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 8, V.9.a.-j.	<u>Proper Operation and Regular Maintenance</u> Submit a written O&M program to EPA for review and comment but not approval.	06/30/04	Completed. Written O&M program submitted to EPA for review on 6/30/04.
p. 10, V.10.a.(iii)	<u>Replace Inflatable Dams</u> Replace all twelve existing inflatable dams and place all replacement dams in operation.	03/31/04	Completed. All inflatable dams were in operation as of 03/29/04 under Contract 01-0080 issued to Corman Construction Inc.
p. 10, V.10.b.(i) (a-e)(ii)(c.)	<u>Tide Gate Repair &amp; Replacement</u> Repair or replace tide gates at five CSO structures and place in operation.	11/10/03	Completed. All tide gates were placed in operation as of 08/29/03 under Contract 02-0070, Job Number AX01.
p. 11, V.10.d.	<u>Amendments to Sewer System Regulations</u> Recommend sewer regulation amendments to the D.C. Government to limit storm water inflow from any and all new construction and major renovations.	11/10/03	Completed. Three proposed code changes were submitted to the Council of the District of Columbia on October 22, 2003.
p. 13, V.12.b. (iii)	<u>Main &amp; O Pumping Stations</u> Award construction contract for rehabilitation	04/01/05	Completed. Contract awarded to W.M. Schlosser Company, Inc. on February 23, 2005.
p. 14, V.12.b.(ii)	<u>Main &amp; O Pumping Station Rehab</u> Submit documents for required approvals to rehabilitate Main and O Street Pumping Stations to 240 and 45 mgd capacities.	03/01/04	Completed. Documents were submitted to DCRA and the Army Corps of Engineers by the deadline.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 14, V.12.c.(ii)	<u>East Side Pumping Station</u> Submit documents for the required approvals for the rehabilitation of Eastside Pumping Station to achieve a pumping capacity of 45 mgd.	08/01/04	Completed. Construction contract awarded 06/04/04 to Ulliman Schutte Construction, LLC
p. 15, V.12.d.(ii)	<u>Poplar Point Pumping Station</u> Submit pump test data to EPA demonstrating a pumping capacity of 45 mgd at Poplar Point Pumping Station.	11/10/03	Completed. Delivery of the package occurred on 12/02/03.
p. 15, V.12.e.	<u>Potomac Pumping Station Rehab</u> Submit documents for required approvals.	06/01/04	Completed. WASA submitted the Permit Application to DCRA on 5/21/04.
p. 15, V.12.e.(iii)	<u>Potomac Pumping Station</u> Award construction contract for rehabilitation	09/01/05	Completed. Contract awarded to Ulliman Schutte Construction, LLC on March 14, 2005.
p. 16, V.12.f.(i)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Submit documents for required approvals to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	10/20/03	Completed. Building Permit issued 10/12/01.
p. 16, V.12.f.(ii)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Award construction contracts to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	07/31/03	Completed. Contract number 02-0130 awarded to W. M. Schlosser Co. Inc. on 07/17/03 for grit removal upgrades.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 17, V.13.a. (i)-(iii)	<u>System Modifications to Prevent DWOs</u> Correct regulator and/or CSS deficiencies to address dry weather overflows at CSO outfalls 007, 027, 005, 020, 023, 015, 014, and 024 and place in operation.	12/31/03	<p>Completed. This item consists of replacement of regulator structures to reduce the likelihood of DWOs at the specified outfalls.</p> <p>Following facilities placed in operation by 11/24/03 under Contract 01-0020 to Corman Construction:</p> <ul style="list-style-type: none"> <li>• CSO 027 – Structure 43a , Potomac &amp; water St NW</li> <li>• CSO 005 – Structure 7, Railroad Ave &amp; W St SE</li> <li>• CSO 020 – Structure 34a, 23<sup>rd</sup> St near C St NW</li> <li>• CSO 014 – Structure 18, 6<sup>th</sup> and M St. SE</li> <li>• CSO 024 – Structure 38a, 30<sup>th</sup> St south of K St NW</li> </ul> <p>Following Structures placed in operation by 12/19/03 under contract to C&amp;F Construction</p> <ul style="list-style-type: none"> <li>• CSO 007 – Structure 9, 13<sup>th</sup> and Ridge SE</li> <li>• CSO 015 – Structure 19 &amp; 19a, 9<sup>th</sup> and M St SE</li> </ul> <p>The following work was completed by WASA prior to June 2003:</p> <ul style="list-style-type: none"> <li>• CSO 023 – Rock Creek P.S., install level sensor to indicate risk of DWO</li> </ul>
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Add DWO information to web site.	10/10/03	Completed. DWO information added to web site on 7/14/03.
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Include DWO information in a pamphlet with the sewer bill.	Semi-annually	<p>2004 – Completed. DWO information included in pamphlet in water/sewer bills mailed in August and December 2004.</p> <p>2005 - Completed. DWO information included in pamphlet in water/sewer bills mailed in April and October 2005</p>
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Maintain a Customer Service Hotline with staff trained to receive DWO reports.	10/10/03	Completed. Customer Service Hotline made operational, staff trained 07/24/03, 08/27/03 and 08/28/03.
p.17 V.13.b and p.22 V.16.b	<u>Public Notification Requirements</u> WASA shall provide information pamphlets on CSO location and activity	12/31/05	Semi-Annual information pamphlets were provide to the public; one distribution in April 2005 and another in September 2005. This completes this requirements

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 18, V.13.c.(ii) (iii)	<u>DWO Management Program</u> Provide video cameras and training to inspection staff.	10/10/03	Completed. Three JVC digital camcorders were purchased and received on 09/07/00 and training provided for inspection staff on 09/26/00.
p. 18, V.13.d.	<u>Control of Construction Debris</u> Improve coordination with the D.C. Department of Health and the D.C. Department of Consumer and Regulatory Affairs for erosion/sediment control.	10/10/03	Completed. Letter sent to the respective agencies on 07/18/03 seeking to improve coordination regarding control of construction debris and the prevention of its entry into the sewer system. The letter lists opportunities for improvement and better coordination and provides contact personnel and telephone numbers.
p. 20, V.16.a. (ii)	<u>Public Notification; CSO Signs – National Park Service</u> Apply to the National Park Service (NPS) for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. John G. Parsons, Associate Regional Director, for NPS to install the signs. In their letter of 11/25/03, NPS denied approval for placement of new signs.
p. 20, V.16.a.(iii)	<u>CSO Signs – WASA Controlled Sites</u> Install two new signs at WASA controlled CSO outfalls: 009-012 and one sign each at CSO outfalls 001 and 003.	04/07/04	Completed. Signs installed 2/12/04.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – National Zoo</u> Apply to the National Zoo for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Marc M. Mueller, National Zoological Park Resident Engineer, to install the signs. The Zoo approved placement of new signs in their letter of 12/13/03.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – Navy Yard</u> Apply to the Navy Yard for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Thomas P. Lewis Chief, Environmental and Safety Division for the Navy Yard to install the signs. In their letter of 11/17/03, Navy Yard denied approval for placement of new signs.
p. 21, V.16.a. (iv)	<u>Public Notification; CSO Signs – Southeast Federal Center</u> Apply to Southeast Federal Center for a permit to install new CSO sign.	11/10/03	Completed. Made written application on 09/04/03 to Mr. Steven Richard, Director, Service Delivery Support Division for SE Federal Center to install the sign. In their letter of 12/19/03, SE Federal Center denied approval for placement of new signs.
p. 21, V.16.a.(iv)	<u>CSO Signs –National Zoo</u> Install new signs at CSO outfalls 041-045 after approval by National Zoo.	06/10/04	Completed. Signs installed 4/12/04.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
pp. 21-22, V.16.b.(i) (a)-(g)	<u>Public Notification – Web site</u> Maintain accurate and up-to-date CSO information on the WASA web site as outlined in the CD.	10/10/03	Completed. Web site updated as outlined in the CD on 07/14/03 and quarterly thereafter.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	2004 – Completed. CSO informational pamphlet included in water/sewer bills mailed in August and December 2004.  2005 - Completed. CSO informational pamphlet included in water/sewer bills mailed in April and September 2005.  2006 – CSO information pamphlet included in the water/sewer bill mailed in April and October.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	2004 - Completed. WASA mailed copies of CSO informational pamphlet to marinas, boat rental facilities, etc. in August and December 2004  2005 - Completed. WASA mailed copies of CSO informational pamphlet to marinas, boat rental facilities, etc. in April and September 2005.  2006 - Completed. WASA mailed copies of CSO informational pamphlet to marinas, boat rental facilities, etc. in April and October 2006.
p. 23, V.16.b.(iii) (c)(i)	<u>Public Notification - Notification lights</u> Submit documents for required approvals to install and operate CSO warning lights on the Anacostia and Potomac Rivers.	12/31/03	Completed.
p. 26, VIII.20.	<u>Civil Penalty</u> Pay a penalty of \$250,000 to the U. S. Department of Justice.	11/10/03	Completed. An electronic transfer of \$250,000 to the U.S. Department of Justice was performed on 11/10/03.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 27, IX.23.-30.	<u>Supplemental Environmental Projects (SEPs)</u> Submit to EPA detailed scope of work and exact location of SEP.	04/07/04	Completed. WASA submitted its proposed SEP on April 1, 2004. EPA provided comments in a May 18, 2004 letter and in a May 25, 2004 conference call. WASA submitted a revised scope of work addressing EPA's comments on August 23, 2004. WASA received EPA's written approval of the proposed SEP on January 24, 2005.
p. 30, X.31.	<u>Citizen Community Project</u> Pay the Chesapeake Bay Foundation \$300,000 for the design, installation, and maintenance of green roof demonstration projects.	11/10/03	Completed. An electronic transfer of \$300,000 to the Chesapeake Bay Foundation was performed on 11/10/03.





**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**  
Serving the Public • Protecting the Environment

## **3-Party Consent Decree Status Report: Quarter No. 4 - 2006**

Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)

**January 2007**

DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY  
Washington, D.C.

*3-Party Consent Decree Status Report*  
*Quarter No. 4 - 2006*

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## 1. INTRODUCTION

The District of Columbia Water and Sewer Authority (WASA or Authority) entered into a Consent Decree (CD) with the U.S. Government and certain citizen plaintiffs to resolve allegations regarding the combined sewer system (CSS). The following consent decree was lodged with and entered by the court on June 25, 2003 and October 10, 2003, respectively:

United States District Court for the District of Columbia  
Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)  
Consent Decree

The CD requires that WASA submit written status reports to the Environmental Protection Agency (EPA) and the citizen plaintiffs by the 28<sup>th</sup> day of the month following the end of each calendar quarter. The CD requires that the following be provided in each status report:

- The due dates and other terms that WASA is required to meet since the date of the last quarterly statement, whether and to what extent WASA has met these requirements, and the reasons for any noncompliance.
- A general description of the work completed within the three-month period, and a projection of work to be performed during the next three-month period.
- All other items as specified in Section V (Compliance Program and Schedules) of the CD including the status of the catch basin cleaning.

This report covers the months October through December 2006, which is Quarter No. 4 in 2006. Note that the CD requires posting certain information on WASA's web site, including the Combined Sewer System (CSS) Quarterly Reports. The web site addresses for these items are as follows:

- WASA's web site: [www.dcwasa.com](http://www.dcwasa.com)
- CSS Quarterly Reports on WASA's web site: <http://www.dcwasa.com/education/css/publicinformation.cfm>

## 2. REQUIREMENTS DUE IN CURRENT QUARTER

The following is a status report for requirements due in the current quarter:

REQUIREMENTS DUE IN CURRENT QUARTER			
Reference	Requirement	Due Date	Status
p. 12, V.10.e.ii	<u>Assurance of Conveyance Capacity</u> If extension of 9/1/08 deadline for assuring conveyance capacity of 1076 mgd is required, submit report documenting basis for extension.	10/10/06	Conveyance Capacity report submitted to consent decree parties on October 6, 2006. Plan under review.
p. 27, IX.25	<u>Supplemental Environmental Project</u> Report on SEP progress in Quarterly Reports to EPA.	Quarterly, following EPA's approval of SEP (12/25/05)	<ol style="list-style-type: none"> <li>1. <u>Actions taken in prior calendar quarter:</u> UFA planting trees and performing survey to replace and determine health status. Development of design for Rain Garden to obtain price from contractors.</li> <li>2. <u>Actions planned to be taken in the next quarter:</u> Complete the design and procure construction services to install the Rain Gardens.</li> <li>3. <u>Impediments which may delay project completion:</u> None identified.</li> <li>4. <u>Accounting of costs expended prior quarter:</u> None</li> </ol>

### 3. REQUIREMENTS DUE NEXT QUARTER

The following is a status report for requirements due in the next quarter.

REQUIREMENTS DUE NEXT QUARTER			
Reference	Requirement	Due Date	Status
	No requirements due during this period.		

### 4. REQUIREMENTS DUE AFTER NEXT QUARTER

The following are requirements due after next quarter. Only those activities which are not addressed in prior tables are include

REQUIREMENTS DUE AFTER NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 12, V.10.e.i	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains.	09/01/08	WASA has submitted a report addressing this issue in accordance with p. 12, V.10.e.ii.
p. 13, V.12.b. (iv)	<u>Main &amp; O Pumping Stations</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	05/01/08	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 15, V.12.e.(iv)	<u>Potomac Pumping Station</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacity of 460 mgd.	09/01/08	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.f.(iii)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Place in operation.	07/31/07	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.i.	<u>Inspect the three 60-inch Anacostia Siphons</u> Inspect siphons at least once every ten (10) years and clean and repair as necessary.	07/01/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

<b>REQUIREMENTS DUE AFTER NEXT QUARTER</b>			
<b>Reference</b>	<b>Requirement</b>	<b>Due Date</b>	<b>Status</b>
p. 23, V.16.b. (iii)I & (ii)	<u>Public Notification – Notification lights</u> Place in Operation.	20 months after receipt of approvals August 2008	NPS provided permit on December 22, 2006. Preparation of final comments on the construction drawings ongoing.
p. 27, IX.24	<u>Supplemental Environmental Project</u> Place in Operation.	04/07/07	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 25, IX.27	<u>Supplemental Environmental Project</u> Operate and Maintain.	5 yrs after placing in operation	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 25, IX.28	<u>Supplemental Environmental Project</u> Submit SEP completion report.	5 yrs after placing in operation	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

## 5. ON-GOING REQUIREMENTS

The following is a status report for requirements that are performed at periodic intervals at an on-going basis.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 4, II.3.	<u>Application and Scope</u> Provide a copy of the Consent Decree (CD) to any consultant or contractor selected to perform any activity required by the CD.	As required	Completed in Quarter No. 4, 2003. WASA will send additional letters and copies of the CD to affected Project Design Engineers (PDEs) as they are retained for other projects required by the CD.
p. 10, V.10.a.(iv)	<u>Replace Inflatable Dams</u> Operate and maintain all inflatable dams.	Ongoing after 04/01/04	Inspection and maintenance of the inflatable dams is performed monthly and is documented in the CSS Quarterly Report, Section 2.5, Table 2-11, which is available on WASA's web site. A hole was discovered in Inflatable Dam 15 on 10/19/06 and repairs made on November 15, 2006. Wet weather operations are reported on Table 2-12.
p. 10, V.10.b.(i) (a-e)(ii) (d.)(iv)	<u>Tide Gate Repair &amp; Replacement</u> Operate and maintain all tide gates.	Ongoing after 10/10/03	Inspection and maintenance of the tide gates is performed monthly and is documented in the CSS Quarterly Report, Section 2.2, Table 2, which is available on WASA's web site.
p. 12, V.11.	<u>Pretreatment</u> Maintain and update the current pretreatment program as required by the Clean Water Act, Pretreatment Regulations, and the NPDES Permit.	Ongoing after 10/10/03	The Pretreatment Program is being maintained and updated. The program produces annual reports and updates. The updated 2005 Pretreatment Program Annual Report was submitted to EPA on February 27, 2006. An update to that report was submitted to EPA on May 5, 2006, and again on August 21, 2006.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 11, V.10.c.	<u>Maximization of Storage in the Collection System – Catch Basins</u> <ul style="list-style-type: none"> <li>○ Clean at least 85 % of the catch basins in CSS at least annually</li> <li>○ Inspect catch basins in CSO areas tributary to the Anacostia River at least two times per year and clean such basins more frequently as indicated by the inspections.</li> </ul>	Annually	Catch basin cleaning totals are reported in WASA's CSS Quarterly report, in Section 4, available on WASA's web site. Calendar year to date totals for this quarter are as follows:
			<p style="text-align: center;">Item No of Catch Basins % of Total</p> <p>Catch Basin in CSS: 10,871 (1)</p> <p>Catch Basins in CSS Cleaned: 14270 &gt;100%</p> <p>Catch Basins in Anacostia CSS: 5,954 (1)</p> <p>Catch Basins in Anacostia CSS Inspected Once: 5,954 100%</p> <p>Catch Basins in Anacostia CSS Inspected Twice: 5,954 100%</p>
			<p>Notes: (1) Catch basin quantities are estimated based on count of catch basins on sewer maps and on experience of field crews.</p>



ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 13, V.12.a.(i) (ii)	<u>Maximization of Flow to the POTW for Treatment</u> Operate and maintain the collection system to maximize flow to Blue Plains and treat all flows conveyed to permit requirements.	Ongoing after 10/10/03	Operation and maintenance status of the collection system and pumping stations is reported in Section 2 of the CSS quarterly report, available on WASA's web site. The pumping stations and collection system have been operated to maximize the flow to Blue Plains within the constraints of the system. During the period covered by this report, the maximum hourly rate to Complete Treatment exceeded 511 mgd, the rate established as the limit for Phases 1 through 7 of the Blue Plains Liquid Process Improvement Program.
p.14.12.b. (v)	<u>Main and O Pumping Station</u> Maintain a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 14, V.12.c.(v)	<u>East Side Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 08/01/06	The number of pumps and screens available for service at East Side Pumping Station is reported in Section 2 of the CSS Quarterly Report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 14, V.12.d.(iv)	<u>Poplar Point Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 10/10/03	The number of pumps and screens available for service at Poplar Point Pumping Station is reported in Section 2 of the CSS Quarterly report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 15, V.12.e.(v)	<u>Potomac Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 460 mgd.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 17, V.13.b	<u>Facilitate Reports from Public of Dry Weather Overflows</u> <ul style="list-style-type: none"> <li>• Include DWO information on water/sewer bill inserts.</li> <li>• Staff and maintain phone line to receive reports on DWOs.</li> </ul>	Ongoing after 10/10/03	<ul style="list-style-type: none"> <li>• DWO information is included on all water/sewer bill inserts for CSO program.</li> <li>• Phone line and staff remain in operation to receive DWO reports.</li> </ul>

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 18, V.14.	<u>Control of Solids and Floatable Material in CSOs</u> Conduct visual wet weather surveys at outfalls 009 through 012 to assess the extent of floatables discharged.	Ongoing after 10/10/03	Visual surveys completed in the quarter are included in Section 5 of the CSS Quarterly Report, which is available on WASA's web site.
p. 18, V.15.	<u>Pollution Prevention Programs</u> Maintain the MS4 pollution prevention programs.	Ongoing after 10/10/03	The MS4 Pollution Prevention Program is being maintained and updated. The program produces an annual report. The annual report was prepared in August 2006.
p. 18, V.15.	<u>Pollution Prevention Programs</u> Continue to periodically educate the public about pollution prevention through its newsletters and web site.	Ongoing after 10/10/03	Information about pollution prevention is included on WASA website. In addition, informational pamphlets were included in water/sewer bills mailed to citizens twice in 2004, 2005, and in April and October 2006.
p. 19, V.16.a.(i)	<u>Public Notification – CSO Signs</u> Conduct monthly inspections of CSO warning signs and replace, repair or clear obstructions as required.	Monthly	Inspection and replacement of signs is documented in Section 2 of the CSS Quarterly Reports, available on WASA's web site.
p. 21, V.16.b.	<u>Public Notification – Web Site</u> Maintain general info on CSOs, 12 most current CSS Quarterly Reports, and annual/quarterly CSO discharge volumes.	Ongoing after 10/10/03	This information is on WASA's web site, and it is updated regularly.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	CSO informational pamphlets were distributed to citizens with their water/sewer bill twice in 2004, 2005. A CSO informational pamphlet was distributed to citizens along with their water/sewer bill in April 2006 and October 2006.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	CSO informational pamphlets were mailed to local marinas twice in 2004, 2005. A CSO informational pamphlet was mailed to local marinas in April 2006 and October 2006.
p. 24, V.17.a.	<u>Monitoring</u> Report CSO overflows at remote (SCADA-monitored) sites.	04/28/04	Information on CSO overflows reported at SCADA-monitored sites is included in Table 2-12 of the CSS Quarterly Reports, available on WASA's web site.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 25, VII.19.(a). (b).(c)	<u>Reporting</u> Submit quarterly consent decree status reports.	28 <sup>th</sup> day of month after end of each calendar quarter	WASA submitted its first Quarterly Report on January 27, 2004 for Quarter No. 4 in 2003 and has submitted a report for each calendar quarter since. This report satisfies the latest reporting requirement.

## 6. REQUIREMENTS COMPLETED IN PRIOR QUARTERS

The following summarizes completed requirements reported in prior quarters.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 8, V.9.a.-j.	<u>Proper Operation and Regular Maintenance</u> Submit a written O&M program to EPA for review and comment but not approval.	06/30/04	Completed. Written O&M program submitted to EPA for review on 6/30/04.
p. 10, V.10.a.(iii)	<u>Replace Inflatable Dams</u> Replace all twelve existing inflatable dams and place all replacement dams in operation.	03/31/04	Completed. All inflatable dams were in operation as of 03/29/04 under Contract 01-0080 issued to Corman Construction Inc.
p. 10, V.10.b.(i) (a-e)(ii)(c.)	<u>Tide Gate Repair &amp; Replacement</u> Repair or replace tide gates at five CSO structures and place in operation.	11/10/03	Completed. All tide gates were placed in operation as of 08/29/03 under Contract 02-0070, Job Number AX01.
p. 11, V.10.d.	<u>Amendments to Sewer System Regulations</u> Recommend sewer regulation amendments to the D.C. Government to limit storm water inflow from any and all new construction and major renovations.	11/10/03	Completed. Three proposed code changes were submitted to the Council of the District of Columbia on October 22, 2003.
p. 13, V.12.b. (iii)	<u>Main &amp; O Pumping Stations</u> Award construction contract for rehabilitation.	04/01/05	Completed. Contract awarded to W.M. Schlosser Company, Inc. on February 23, 2005.
p. 14, V.12.b.(ii)	<u>Main &amp; O Pumping Station Rehab</u> Submit documents for required approvals to rehabilitate Main and O Street Pumping Stations to 240 and 45 mgd capacities.	03/01/04	Completed. Documents were submitted to DCRA and the Army Corps of Engineers by the deadline.
p. 14, V.12.c.(iv)	<u>East Side Pumping Station</u> Place in operation.	08/01/06	Completed. Pumps placed into service on July 21, 2006.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 14, V.12.c.(ii)	<u>East Side Pumping Station</u> Submit documents for the required approvals for the rehabilitation of Eastside Pumping Station to achieve a pumping capacity of 45 mgd.	08/01/04	Completed. Construction contract awarded 06/04/04 to Ulliman Schutte Construction, LLC
p. 15, V.12.d.(ii)	<u>Poplar Point Pumping Station</u> Submit pump test data to EPA demonstrating a pumping capacity of 45 mgd at Poplar Point Pumping Station.	11/10/03	Completed. Delivery of the package occurred on 12/02/03.
p. 15, V.12.e.	<u>Potomac Pumping Station Rehab</u> Submit documents for required approvals.	06/01/04	Completed. WASA submitted the Permit Application to DCRA on 5/21/04.
p. 15, V.12.e.(iii)	<u>Potomac Pumping Station</u> Award construction contract for rehabilitation.	09/01/05	Completed. Contract awarded to Ulliman Schutte Construction, LLC on March 14, 2005.
p. 16, V.12.f.(i)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Submit documents for required approvals to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	10/20/03	Completed. Building Permit issued 10/12/01.
p. 16, V.12.f.(ii)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Award construction contracts to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	07/31/03	Completed. Contract number 02-0130 awarded to W. M. Schlosser Co. Inc. on 07/17/03 for grit removal upgrades.
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/06	Completed. CCTV completed by due date. No repair or cleaning was required.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 17, V.13.a. (i)-(iii)	<u>System Modifications to Prevent DWOs</u> Correct regulator and/or CSS deficiencies to address dry weather overflows at CSO outfalls 007, 027, 005, 020, 023, 015, 014, and 024 and place in operation.	12/31/03	<p>Completed. This item consists of replacement of regulator structures to reduce the likelihood of DWOs at the specified outfalls.</p> <p>Following facilities placed in operation by 11/24/03 under Contract 01-0020 to Corman Construction:</p> <ul style="list-style-type: none"> <li>• CSO 027 – Structure 43a , Potomac &amp; water St NW</li> <li>• CSO 005 – Structure 7, Railroad Ave &amp; W St SE</li> <li>• CSO 020 – Structure 34a, 23<sup>rd</sup> St near C St NW</li> <li>• CSO 014 – Structure 18, 6<sup>th</sup> and M St. SE</li> <li>• CSO 024 – Structure 38a, 30<sup>th</sup> St south of K St NW</li> </ul> <p>Following Structures placed in operation by 12/19/03 under contract to C&amp;F Construction</p> <ul style="list-style-type: none"> <li>• CSO 007 – Structure 9, 13<sup>th</sup> and Ridge SE</li> <li>• CSO 015 – Structure 19 &amp; 19a, 9<sup>th</sup> and M St SE</li> </ul> <p>The following work was completed by WASA prior to June 2003:</p> <ul style="list-style-type: none"> <li>• CSO 023 – Rock Creek P.S., install level sensor to indicate risk of DWO</li> </ul>
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Add DWO information to web site.	10/10/03	Completed. DWO information added to web site on 7/14/03.
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Include DWO information in a pamphlet with the sewer bill.	Semi-annually	2004 – Completed. DWO information included in pamphlet in water/sewer bills mailed in August and December 2004. 2005 - Completed. DWO information included in pamphlet in water/sewer bills mailed in April and October 2005.
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Maintain a Customer Service Hotline with staff trained to receive DWO reports.	10/10/03	Completed. Customer Service Hotline made operational, staff trained 07/24/03, 08/27/03 and 08/28/03.
p.17 V.13.b and p.22 V.16.b	<u>Public Notification Requirements</u> WASA shall provide information pamphlets on CSO location and activity.	12/31/05	Semi-Annual information pamphlets were provide to the public; one distribution in April 2005 and another in September 2005. This completes this requirements.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 18, V.13.c.(ii) (iii)	<u>DWO Management Program</u> Provide video cameras and training to inspection staff.	10/10/03	Completed. Three JVC digital camcorders were purchased and received on 09/07/00 and training provided for inspection staff on 09/26/00.
p. 18, V.13.d.	<u>Control of Construction Debris</u> Improve coordination with the D.C. Department of Health and the D.C. Department of Consumer and Regulatory Affairs for erosion/sediment control.	10/10/03	Completed. Letter sent to the respective agencies on 07/18/03 seeking to improve coordination regarding control of construction debris and the prevention of its entry into the sewer system. The letter lists opportunities for improvement and better coordination and provides contact personnel and telephone numbers.
p. 20, V.16.a. (ii)	<u>Public Notification; CSO Signs – National Park Service</u> Apply to the National Park Service (NPS) for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. John G. Parsons, Associate Regional Director, for NPS to install the signs. In their letter of 11/25/03, NPS denied approval for placement of new signs.
p. 20, V.16.a.(iii)	<u>CSO Signs – WASA Controlled Sites</u> Install two new signs at WASA controlled CSO outfalls: 009-012 and one sign each at CSO outfalls 001 and 003.	04/07/04	Completed. Signs installed 2/12/04.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – National Zoo</u> Apply to the National Zoo for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Marc M. Mueller, National Zoological Park Resident Engineer, to install the signs. The Zoo approved placement of new signs in their letter of 12/13/03.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – Navy Yard</u> Apply to the Navy Yard for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Thomas P. Lewis Chief, Environmental and Safety Division for the Navy Yard to install the signs. In their letter of 11/17/03, Navy Yard denied approval for placement of new signs.
p. 21, V.16.a. (iv)	<u>Public Notification; CSO Signs – Southeast Federal Center</u> Apply to Southeast Federal Center for a permit to install new CSO sign.	11/10/03	Completed. Made written application on 09/04/03 to Mr. Steven Richard, Director, Service Delivery Support Division for SE Federal Center to install the sign. In their letter of 12/19/03, SE Federal Center denied approval for placement of new signs.
p. 21, V.16.a.(iv)	<u>CSO Signs –National Zoo</u> Install new signs at CSO outfalls 041-045 after approval by National Zoo.	06/10/04	Completed. Signs installed 4/12/04.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
pp. 21-22, V.16.b.(i) (a)-(g)	<u>Public Notification – Web site</u> Maintain accurate and up-to-date CSO information on the WASA web site as outlined in the CD.	10/10/03	Completed. Web site updated as outlined in the CD on 07/14/03 and quarterly thereafter.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	2004 – Completed. CSO informational pamphlet included in water/sewer bills mailed in August and December 2004.  2005 - Completed. CSO informational pamphlet included in water/sewer bills mailed in April and September 2005.  2006 – CSO information pamphlet included in the water/sewer bill mailed in April and October.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	2004 - Completed. WASA mailed copies of CSO informational pamphlet to marinas, boat rental facilities, etc. in August and December 2004.  2005 - Completed. WASA mailed copies of CSO informational pamphlet to marinas, boat rental facilities, etc. in April and September 2005.  2006 - Completed. WASA mailed copies of CSO informational pamphlet to marinas, boat rental facilities, etc. in April and October 2006.
p. 23, V.16.b.(iii) (c)(i)	<u>Public Notification - Notification lights</u> Submit documents for required approvals to install and operate CSO warning lights on the Anacostia and Potomac Rivers.	12/31/03	Completed.
p. 26, VIII.20.	<u>Civil Penalty</u> Pay a penalty of \$250,000 to the U. S. Department of Justice.	11/10/03	Completed. An electronic transfer of \$250,000 to the U.S. Department of Justice was performed on 11/10/03.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 27, IX.23.-30.	<u>Supplemental Environmental Projects (SEPs)</u> Submit to EPA detailed scope of work and exact location of SEP.	04/07/04	Completed. WASA submitted its proposed SEP on April 1, 2004. EPA provided comments in a May 18, 2004 letter and in a May 25, 2004 conference call. WASA submitted a revised scope of work addressing EPA's comments on August 23, 2004. WASA received EPA's written approval of the proposed SEP on January 24, 2005.
p. 30, X.31.	<u>Citizen Community Project</u> Pay the Chesapeake Bay Foundation \$300,000 for the design, installation, and maintenance of green roof demonstration projects.	11/10/03	Completed. An electronic transfer of \$300,000 to the Chesapeake Bay Foundation was performed on 11/10/03.





**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**  
Serving the Public • Protecting the Environment

## **3-Party Consent Decree Status Report: Quarter No. 1 - 2007**

Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)

**April 2007**

DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY  
Washington, D.C.

*3-Party Consent Decree Status Report*  
*Quarter No.1 - 2007*

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## 1. INTRODUCTION

The District of Columbia Water and Sewer Authority (WASA or Authority) entered into a Consent Decree (CD) with the U.S. Government and certain citizen plaintiffs to resolve allegations regarding the combined sewer system (CSS). The following consent decree was lodged with and entered by the court on June 25, 2003 and October 10, 2003, respectively:

United States District Court for the District of Columbia  
Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)  
Consent Decree

The CD requires that WASA submit written status reports to the Environmental Protection Agency (EPA) and the citizen plaintiffs by the 28<sup>th</sup> day of the month following the end of each calendar quarter. The CD requires that the following be provided in each status report:

- The due dates and other terms that WASA is required to meet since the date of the last quarterly statement, whether and to what extent WASA has met these requirements, and the reasons for any noncompliance.
- A general description of the work completed within the three-month period, and a projection of work to be performed during the next three-month period.
- All other items as specified in Section V (Compliance Program and Schedules) of the CD including the status of the catch basin cleaning.

This report covers the months January through March 2007, which is Quarter No. 1 in 2007. Note that the CD requires posting certain information on WASA's web site, including the Combined Sewer System (CSS) Quarterly Reports. The web site addresses for these items are as follows:

- WASA's web site: [www.dcwasa.com](http://www.dcwasa.com)
- CSS Quarterly Reports on WASA's web site: <http://www.dcwasa.com/education/css/publicinformation.cfm>

## 2. REQUIREMENTS DUE IN CURRENT QUARTER

The following is a status report for requirements due in the current quarter:

REQUIREMENTS DUE IN CURRENT QUARTER			
Reference	Requirement	Due Date	Status
p. 27, IX.25	<u>Supplemental Environmental Project</u> Report on SEP progress in Quarterly Reports to EPA.	Quarterly, following EPA's approval of SEP (12/25/05)	<ol style="list-style-type: none"><li>1. <u>Actions taken in prior calendar quarter:</u> UFA performing survey to replace and determine health status for trees planted in the CSO area. Design completed for the Rain Garden and contractor began construction of the project.</li><li>2. <u>Actions planned to be taken in the next quarter:</u> Complete and place into service the Rain Gardens.</li><li>3. <u>Impediments which may delay project completion:</u> None identified.</li><li>4. <u>Accounting of costs expended prior quarter:</u> None</li></ol>

### 3. REQUIREMENTS DUE NEXT QUARTER

The following is a status report for requirements due in the next quarter.

REQUIREMENTS DUE NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 27, IX.24	<u>Supplemental Environmental Project</u> Place in Operation.	04/07/07	WASA is monitoring the activity associated with this requirement and will meet the deadline.

### 4. REQUIREMENTS DUE AFTER NEXT QUARTER

The following are requirements due after next quarter. Only those activities which are not addressed in prior tables are include

REQUIREMENTS DUE AFTER NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 12, V.10.e.i	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains.	09/01/08	WASA has submitted a report addressing this issue in accordance with p. 12, V.10.e.ii.
p. 13, V.12.b. (iv)	<u>Main &amp; O Pumping Stations</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	05/01/08	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 15, V.12.e.(iv)	<u>Potomac Pumping Station</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacity of 460 mgd.	09/01/08	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.f.(iii)	<u>Improvements at Blue Plains – Grit Chambers</u> <u>1&amp;2 and Influent Screens</u> Place in operation.	07/31/07	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.i.	<u>Inspect the three 60-inch Anacostia Siphons</u> Inspect siphons at least once every ten (10) years and clean and repair as necessary.	07/01/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

REQUIREMENTS DUE AFTER NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 23, V.16.b. (iii)I & (ii)	<u>Public Notification – Notification lights</u> Place in Operation.	20 months after receipt of approvals August 2008	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 25, IX.27	<u>Supplemental Environmental Project</u> Operate and Maintain.	5 yrs after placing in operation	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 25, IX.28	<u>Supplemental Environmental Project</u> Submit SEP completion report.	5 yrs after placing in operation	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

## 5. ON-GOING REQUIREMENTS

The following is a status report for requirements that are performed at periodic intervals at an on-going basis.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 4, II.3.	<u>Application and Scope</u> Provide a copy of the Consent Decree (CD) to any consultant or contractor selected to perform any activity required by the CD.	As required	Completed in Quarter No. 4, 2003. WASA will send additional letters and copies of the CD to affected Project Design Engineers (PDEs) as they are retained for other projects required by the CD.
p. 10, V.10.a.(iv)	<u>Replace Inflatable Dams</u> Operate and maintain all inflatable dams.	Ongoing after 04/01/04	Inspection and maintenance of the inflatable dams is performed monthly and is documented in the CSS Quarterly Report, Section 2.5, Table 2-11, which is available on WASA's web site. A hole was discovered in Inflatable Dam 15 on 10/19/06 and repairs made on November 15, 2006. Wet weather operations are reported on Table 2-12.
p. 10, V.10.b.(i) (a-e)(ii) (d.)(iv)	<u>Tide Gate Repair &amp; Replacement</u> Operate and maintain all tide gates.	Ongoing after 10/10/03	Inspection and maintenance of the tide gates is performed monthly and is documented in the CSS Quarterly Report, Section 2.2, Table 2, which is available on WASA's web site.
p. 12, V.10.e.ii	<u>Assurance of Conveyance Capacity</u> If extension of 9/1/08 deadline for assuring conveyance capacity of 1076 mgd is required, submit report documenting bases for extension.	10/10/06	Conveyance Capacity report submitted to consent decree parties on October 6, 2006. WASA provided replies to EPA's comments request for clarifications on March 16, 2007.
p. 12, V.11.	<u>Pretreatment</u> Maintain and update the current pretreatment program as required by the Clean Water Act, Pretreatment Regulations, and the NPDES Permit.	Ongoing after 10/10/03	The Pretreatment Program is being maintained and updated. The program produces annual reports and updates. The updated 2005 Pretreatment Program Annual Report was submitted to EPA on February 27, 2006. An update to that report was submitted to EPA on May 5, 2006, and again on August 21, 2006.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 11, V.10.c.	<u>Maximization of Storage in the Collection System – Catch Basins</u> <ul style="list-style-type: none"> <li>○ Clean at least 85 % of the catch basins in CSS at least annually</li> <li>○ Inspect catch basins in CSO areas tributary to the Anacostia River at least two times per year and clean such basins more frequently as indicated by the inspections.</li> </ul>	Annually	Catch basin cleaning totals are reported in WASA's CSS Quarterly report, in Section 4, available on WASA's web site. Calendar year to date totals for this quarter are as follows:
			<p style="text-align: center;">Item No of Catch Basins % of Total</p> <p>Catch Basin in CSS: 10,871 (1)</p> <p>Catch Basins in CSS Cleaned: 6510 32 %</p> <p>Catch Basins in Anacostia CSS: 5,954 (1)</p> <p>Catch Basins in Anacostia CSS Inspected Once: 2588 43 %</p> <p>Catch Basins in Anacostia CSS Inspected Twice: 420 7 %</p>
			<p>Notes: (1) Catch basin quantities are estimated based on count of catch basins on sewer maps and on experience of field crews.</p>



ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 13, V.12.a.(i) (ii)	<u>Maximization of Flow to the POTW for Treatment</u> Operate and maintain the collection system to maximize flow to Blue Plains and treat all flows conveyed to permit requirements.	Ongoing after 10/10/03	Operation and maintenance status of the collection system and pumping stations is reported in Section 2 of the CSS quarterly report, available on WASA's web site. The pumping stations and collection system have been operated to maximize the flow to Blue Plains within the constraints of the system. During the period covered by this report, the maximum hourly rate to Complete Treatment exceeded 511 mgd, the rate established as the limit for Phases 1 through 7 of the Blue Plains Liquid Process Improvement Program.
p.14.12.b. (v)	<u>Main and O Pumping Station</u> Maintain a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 14, V.12.c.(v)	<u>East Side Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 08/01/06	The number of pumps and screens available for service at East Side Pumping Station is reported in Section 2 of the CSS Quarterly Report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 14, V.12.d.(iv)	<u>Poplar Point Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 10/10/03	The number of pumps and screens available for service at Poplar Point Pumping Station is reported in Section 2 of the CSS Quarterly report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 15, V.12.e.(v)	<u>Potomac Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 460 mgd.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 17, V.13.b	<u>Facilitate Reports from Public of Dry Weather Overflows</u> <ul style="list-style-type: none"> <li>• Include DWO information on water/sewer bill inserts.</li> <li>• Staff and maintain phone line to receive reports on DWOs.</li> </ul>	Ongoing after 10/10/03	<ul style="list-style-type: none"> <li>• DWO information is included on all water/sewer bill inserts for CSO program.</li> <li>• Phone line and staff remain in operation to receive DWO reports.</li> </ul>

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 18, V.14.	<u>Control of Solids and Floatable Material in CSOs</u> Conduct visual wet weather surveys at outfalls 009 through 012 to assess the extent of floatables discharged.	Ongoing after 10/10/03	Visual surveys completed in the quarter are included in Section 5 of the CSS Quarterly Report, which is available on WASA's web site.
p. 18, V.15.	<u>Pollution Prevention Programs</u> Maintain the MS4 pollution prevention programs.	Ongoing after 10/10/03	The MS4 Pollution Prevention Program is being maintained and updated. The program produces an annual report. The annual report was prepared in August 2006.
p. 18, V.15.	<u>Pollution Prevention Programs</u> Continue to periodically educate the public about pollution prevention through its newsletters and web site.	Ongoing after 10/10/03	Information about pollution prevention is included on WASA website. In addition, informational pamphlets were included in water/sewer bills mailed to citizens twice in 2004, 2005, and in April and October 2006.
p. 19, V.16.a.(i)	<u>Public Notification – CSO Signs</u> Conduct monthly inspections of CSO warning signs and replace, repair or clear obstructions as required.	Monthly	Inspection and replacement of signs is documented in Section 2 of the CSS Quarterly Reports, available on WASA's web site.
p. 21, V.16.b.	<u>Public Notification – Web Site</u> Maintain general info on CSOs, 12 most current CSS Quarterly Reports, and annual/quarterly CSO discharge volumes.	Ongoing after 10/10/03	This information is on WASA's web site, and it is updated regularly.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	CSO informational pamphlets were distributed to citizens with their water/sewer bill twice in 2004, 2005. A CSO informational pamphlet was distributed to citizens along with their water/sewer bill in April 2006 and October 2006.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	CSO informational pamphlets were mailed to local marinas twice in 2004, 2005. A CSO informational pamphlet was mailed to local marinas in April 2006 and October 2006.
p. 24, V.17.a.	<u>Monitoring</u> Report CSO overflows at remote (SCADA-monitored) sites.	04/28/04	Information on CSO overflows reported at SCADA-monitored sites is included in Table 2-12 of the CSS Quarterly Reports, available on WASA's web site.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 25, VII.19.(a). (b).(c)	<u>Reporting</u> Submit quarterly consent decree status reports.	28 <sup>th</sup> day of month after end of each calendar quarter	WASA submitted its first Quarterly Report on January 27, 2004 for Quarter No. 4 in 2003 and has submitted a report for each calendar quarter since. This report satisfies the latest reporting requirement.

## 6. REQUIREMENTS COMPLETED IN PRIOR QUARTERS

The following summarizes completed requirements reported in prior quarters.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 8, V.9.a.-j.	<u>Proper Operation and Regular Maintenance</u> Submit a written O&M program to EPA for review and comment but not approval.	06/30/04	Completed. Written O&M program submitted to EPA for review on 6/30/04.
p. 10, V.10.a.(iii)	<u>Replace Inflatable Dams</u> Replace all twelve existing inflatable dams and place all replacement dams in operation.	03/31/04	Completed. All inflatable dams were in operation as of 03/29/04 under Contract 01-0080 issued to Corman Construction Inc.
p. 10, V.10.b.(i) (a-e)(ii)(c.)	<u>Tide Gate Repair &amp; Replacement</u> Repair or replace tide gates at five CSO structures and place in operation.	11/10/03	Completed. All tide gates were placed in operation as of 08/29/03 under Contract 02-0070, Job Number AX01.
p. 11, V.10.d.	<u>Amendments to Sewer System Regulations</u> Recommend sewer regulation amendments to the D.C. Government to limit storm water inflow from any and all new construction and major renovations.	11/10/03	Completed. Three proposed code changes were submitted to the Council of the District of Columbia on October 22, 2003.
p. 13, V.12.b. (iii)	<u>Main &amp; O Pumping Stations</u> Award construction contract for rehabilitation.	04/01/05	Completed. Contract awarded to W.M. Schlosser Company, Inc. on February 23, 2005.
p. 14, V.12.b.(ii)	<u>Main &amp; O Pumping Station Rehab</u> Submit documents for required approvals to rehabilitate Main and O Street Pumping Stations to 240 and 45 mgd capacities.	03/01/04	Completed. Documents were submitted to DCRA and the Army Corps of Engineers by the deadline.
p. 14, V.12.c.(iv)	<u>East Side Pumping Station</u> Place in operation.	08/01/06	Completed. Pumps placed into service on July 21, 2006.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 14, V.12.c.(ii)	<u>East Side Pumping Station</u> Submit documents for the required approvals for the rehabilitation of Eastside Pumping Station to achieve a pumping capacity of 45 mgd.	08/01/04	Completed. Construction contract awarded 06/04/04 to Ulliman Schutte Construction, LLC
p. 15, V.12.d.(ii)	<u>Poplar Point Pumping Station</u> Submit pump test data to EPA demonstrating a pumping capacity of 45 mgd at Poplar Point Pumping Station.	11/10/03	Completed. Delivery of the package occurred on 12/02/03.
p. 15, V.12.e.	<u>Potomac Pumping Station Rehab</u> Submit documents for required approvals.	06/01/04	Completed. WASA submitted the Permit Application to DCRA on 5/21/04.
p. 15, V.12.e.(iii)	<u>Potomac Pumping Station</u> Award construction contract for rehabilitation.	09/01/05	Completed. Contract awarded to Ulliman Schutte Construction, LLC on March 14, 2005.
p. 16, V.12.f.(i)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Submit documents for required approvals to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	10/20/03	Completed. Building Permit issued 10/12/01.
p. 16, V.12.f.(ii)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Award construction contracts to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	07/31/03	Completed. Contract number 02-0130 awarded to W. M. Schlosser Co. Inc. on 07/17/03 for grit removal upgrades.
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/06	Completed. CCTV completed by due date. No repair or cleaning was required.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 17, V.13.a. (i)-(iii)	<u>System Modifications to Prevent DWOs</u> Correct regulator and/or CSS deficiencies to address dry weather overflows at CSO outfalls 007, 027, 005, 020, 023, 015, 014, and 024 and place in operation.	12/31/03	<p>Completed. This item consists of replacement of regulator structures to reduce the likelihood of DWOs at the specified outfalls.</p> <p>Following facilities placed in operation by 11/24/03 under Contract 01-0020 to Corman Construction:</p> <ul style="list-style-type: none"> <li>• CSO 027 – Structure 43a , Potomac &amp; water St NW</li> <li>• CSO 005 – Structure 7, Railroad Ave &amp; W St SE</li> <li>• CSO 020 – Structure 34a, 23<sup>rd</sup> St near C St NW</li> <li>• CSO 014 – Structure 18, 6<sup>th</sup> and M St. SE</li> <li>• CSO 024 – Structure 38a, 30<sup>th</sup> St south of K St NW</li> </ul> <p>Following Structures placed in operation by 12/19/03 under contract to C&amp;F Construction</p> <ul style="list-style-type: none"> <li>• CSO 007 – Structure 9, 13<sup>th</sup> and Ridge SE</li> <li>• CSO 015 – Structure 19 &amp; 19a, 9<sup>th</sup> and M St SE</li> </ul> <p>The following work was completed by WASA prior to June 2003:</p> <ul style="list-style-type: none"> <li>• CSO 023 – Rock Creek P.S., install level sensor to indicate risk of DWO</li> </ul>
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Add DWO information to web site.	10/10/03	Completed. DWO information added to web site on 7/14/03.
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Include DWO information in a pamphlet with the sewer bill.	Semi-annually	<p>2004 – Completed. DWO information included in pamphlet in water/sewer bills mailed in August and December 2004.</p> <p>2005 - Completed. DWO information included in pamphlet in water/sewer bills mailed in April and October 2005.</p> <p>2006 - Completed. DWO information included in pamphlet in water/sewer bills mailed in April and October 2006.</p>
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Maintain a Customer Service Hotline with staff trained to receive DWO reports.	10/10/03	Completed. Customer Service Hotline made operational, staff trained 07/24/03, 08/27/03 and 08/28/03.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p.17 V.13.b and p.22 V.16.b	<u>Public Notification Requirements</u> WASA shall provide information pamphlets on CSO location and activity.	12/31/05	Semi-Annual information pamphlets were provided to the public; one distribution in April 2005 and another in September 2005. This completes this requirement.
p. 18, V.13.c.(ii) (iii)	<u>DWO Management Program</u> Provide video cameras and training to inspection staff.	10/10/03	Completed. Three JVC digital camcorders were purchased and received on 09/07/00 and training provided for inspection staff on 09/26/00.
p. 18, V.13.d.	<u>Control of Construction Debris</u> Improve coordination with the D.C. Department of Health and the D.C. Department of Consumer and Regulatory Affairs for erosion/sediment control.	10/10/03	Completed. Letter sent to the respective agencies on 07/18/03 seeking to improve coordination regarding control of construction debris and the prevention of its entry into the sewer system. The letter lists opportunities for improvement and better coordination and provides contact personnel and telephone numbers.
p. 20, V.16.a. (ii)	<u>Public Notification; CSO Signs – National Park Service</u> Apply to the National Park Service (NPS) for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. John G. Parsons, Associate Regional Director, for NPS to install the signs. In their letter of 11/25/03, NPS denied approval for placement of new signs.
p. 20, V.16.a.(iii)	<u>CSO Signs – WASA Controlled Sites</u> Install two new signs at WASA controlled CSO outfalls: 009-012 and one sign each at CSO outfalls 001 and 003.	04/07/04	Completed. Signs installed 2/12/04.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – National Zoo</u> Apply to the National Zoo for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Marc M. Mueller, National Zoological Park Resident Engineer, to install the signs. The Zoo approved placement of new signs in their letter of 12/13/03.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – Navy Yard</u> Apply to the Navy Yard for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Thomas P. Lewis Chief, Environmental and Safety Division for the Navy Yard to install the signs. In their letter of 11/17/03, Navy Yard denied approval for placement of new signs.
p. 21, V.16.a. (iv)	<u>Public Notification; CSO Signs – Southeast Federal Center</u> Apply to Southeast Federal Center for a permit to install new CSO sign.	11/10/03	Completed. Made written application on 09/04/03 to Mr. Steven Richard, Director, Service Delivery Support Division for SE Federal Center to install the sign. In their letter of 12/19/03, SE Federal Center denied approval for placement of new signs.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 21, V.16.a.(iv)	<u>CSO Signs –National Zoo</u> Install new signs at CSO outfalls 041-045 after approval by National Zoo.	06/10/04	Completed. Signs installed 4/12/04.
pp. 21-22, V.16.b.(i) (a)-(g)	<u>Public Notification – Web site</u> Maintain accurate and up-to-date CSO information on the WASA web site as outlined in the CD.	10/10/03	Completed. Web site updated as outlined in the CD on 07/14/03 and quarterly thereafter.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	2004 – Completed. CSO informational pamphlet included in water/sewer bills mailed in August and December 2004.  2005 - Completed. CSO informational pamphlet included in water/sewer bills mailed in April and September 2005.  2006 – CSO information pamphlet included in the water/sewer bill mailed in April and October.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	2004 - Completed. WASA mailed copies of CSO informational pamphlet to marinas, boat rental facilities, etc. in August and December 2004.  2005 - Completed. WASA mailed copies of CSO informational pamphlet to marinas, boat rental facilities, etc. in April and September 2005.  2006 - Completed. WASA mailed copies of CSO informational pamphlet to marinas, boat rental facilities, etc. in April and October 2006.
p. 23, V.16.b.(iii) (c)(i)	<u>Public Notification - Notification lights</u> Submit documents for required approvals to install and operate CSO warning lights on the Anacostia and Potomac Rivers.	12/31/03	Completed.
p. 26, VIII.20.	<u>Civil Penalty</u> Pay a penalty of \$250,000 to the U. S. Department of Justice.	11/10/03	Completed. An electronic transfer of \$250,000 to the U.S. Department of Justice was performed on 11/10/03.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 27, IX.23.-30.	<u>Supplemental Environmental Projects (SEPs)</u> Submit to EPA detailed scope of work and exact location of SEP.	04/07/04	Completed. WASA submitted its proposed SEP on April 1, 2004. EPA provided comments in a May 18, 2004 letter and in a May 25, 2004 conference call. WASA submitted a revised scope of work addressing EPA's comments on August 23, 2004. WASA received EPA's written approval of the proposed SEP on January 24, 2005.
p. 30, X.31.	<u>Citizen Community Project</u> Pay the Chesapeake Bay Foundation \$300,000 for the design, installation, and maintenance of green roof demonstration projects.	11/10/03	Completed. An electronic transfer of \$300,000 to the Chesapeake Bay Foundation was performed on 11/10/03.





**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**  
Serving the Public • Protecting the Environment

## **3-Party Consent Decree Status Report: Quarter No. 2 - 2007**

Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)

**July 2007**

DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY  
Washington, D.C.

*3-Party Consent Decree Status Report*  
*Quarter No.2 - 2007*

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## 1. INTRODUCTION

The District of Columbia Water and Sewer Authority (WASA or Authority) entered into a Consent Decree (CD) with the U.S. Government and certain citizen plaintiffs to resolve allegations regarding the combined sewer system (CSS). The following consent decree was lodged with and entered by the court on June 25, 2003 and October 10, 2003, respectively:

United States District Court for the District of Columbia  
Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)  
Consent Decree

The CD requires that WASA submit written status reports to the Environmental Protection Agency (EPA) and the citizen plaintiffs by the 28<sup>th</sup> day of the month following the end of each calendar quarter. The CD requires that the following be provided in each status report:

- The due dates and other terms that WASA is required to meet since the date of the last quarterly statement, whether and to what extent WASA has met these requirements, and the reasons for any noncompliance.
- A general description of the work completed within the three-month period, and a projection of work to be performed during the next three-month period.
- All other items as specified in Section V (Compliance Program and Schedules) of the CD including the status of the catch basin cleaning.

This report covers the months April through June 2007, which is Quarter No. 2 in 2007. Note that the CD requires posting certain information on WASA's web site, including the Combined Sewer System (CSS) Quarterly Reports. The web site addresses for these items are as follows:

- WASA's web site: [www.dcwasa.com](http://www.dcwasa.com)
- CSS Quarterly Reports on WASA's web site: <http://www.dcwasa.com/education/css/publicinformation.cfm>

## 2. REQUIREMENTS DUE IN CURRENT QUARTER

The following is a status report for requirements due in the current quarter:

REQUIREMENTS DUE IN CURRENT QUARTER			
Reference	Requirement	Due Date	Status
p. 27, IX.24	<u>Supplemental Environmental Project</u> Place in Operation.	04/07/07	Completed.
p. 27, IX.25	<u>Supplemental Environmental Project</u> Report on SEP progress in Quarterly Reports to EPA.	Quarterly, following EPA's approval of SEP (12/25/05)	<p>1. <u>Actions taken in prior calendar quarter:</u> UFA replaced all dead trees in April and planted an additional 1,981 trees. Rain Garden constructed and placed in service.</p> <p>2. <u>Actions planned to be taken in the next quarter:</u> Monitor the health of plants and trees and replace as needed. UFA preparing a GIS map and invoice and plan to submit next quarter.</p> <p>3. <u>Impediments which may delay project completion:</u> None identified.</p> <p>4. <u>Accounting of costs expended prior quarter:</u> None</p>

### 3. REQUIREMENTS DUE NEXT QUARTER

The following is a status report for requirements due in the next quarter.

REQUIREMENTS DUE NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 16, V.12.f.(iii)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Place in operation.	07/31/07	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

### 4. REQUIREMENTS DUE AFTER NEXT QUARTER

The following are requirements due after next quarter. Only those activities which are not addressed in prior tables are include

REQUIREMENTS DUE AFTER NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 12, V.10.e.i	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains.	09/01/08	WASA has submitted a report addressing this issue in accordance with p. 12, V.10.e.ii.
p. 13, V.12.b. (iv)	<u>Main &amp; O Pumping Stations</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	05/01/08	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 15, V.12.e.(iv)	<u>Potomac Pumping Station</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacity of 460 mgd.	09/01/08	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.i.	<u>Inspect the three 60-inch Anacostia Siphons</u> Inspect siphons at least once every ten (10) years and clean and repair as necessary.	07/01/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

<b>REQUIREMENTS DUE AFTER NEXT QUARTER</b>			
<b>Reference</b>	<b>Requirement</b>	<b>Due Date</b>	<b>Status</b>
p. 23, V.16.b. (iii)I & (ii)	<u>Public Notification – Notification lights</u> Place in Operation.	20 months after receipt of approvals August 2008	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 29, IX.28	<u>Supplemental Environmental Project</u> Operate and Maintain.	5 yrs after placing in operation April 2012	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 29, IX.27	<u>Supplemental Environmental Project</u> Submit SEP completion report.	5 yrs after placing in operation April 2012	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

## 5. ON-GOING REQUIREMENTS

The following is a status report for requirements that are performed at periodic intervals at an on-going basis.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 4, II.3.	<u>Application and Scope</u> Provide a copy of the Consent Decree (CD) to any consultant or contractor selected to perform any activity required by the CD.	As required	Completed in Quarter No. 4, 2003. WASA will send additional letters and copies of the CD to affected Project Design Engineers (PDEs) as they are retained for other projects required by the CD.
p. 10, V.10.a.(iv)	<u>Replace Inflatable Dams</u> Operate and maintain all inflatable dams.	Ongoing after 04/01/04	Inspection and maintenance of the inflatable dams is performed monthly and is documented in the CSS Quarterly Report, Section 2.5, Table 2-11, which is available on WASA's web site. Wet weather operations are reported on Table 2-12.
p. 10, V.10.b.(i) (a-e)(ii) (d.)(iv)	<u>Tide Gate Repair &amp; Replacement</u> Operate and maintain all tide gates.	Ongoing after 10/10/03	Inspection and maintenance of the tide gates is performed monthly and is documented in the CSS Quarterly Report, Section 2.2, Table 2, which is available on WASA's web site.
p. 12, V.10.e.ii	<u>Assurance of Conveyance Capacity</u> If extension of 9/1/08 deadline for assuring conveyance capacity of 1076 mgd is required, submit report documenting bases for extension.	10/10/06	Conveyance Capacity report submitted to consent decree parties on October 6, 2006. EPA provided approval of plan on April 11, 2007.
p. 12, V.11.	<u>Pretreatment</u> Maintain and update the current pretreatment program as required by the Clean Water Act, Pretreatment Regulations, and the NPDES Permit.	Ongoing after 10/10/03	The Pretreatment Program is being maintained and updated. The program produces annual reports and updates. The updated 2005 Pretreatment Program Annual Report was submitted to EPA on February 27, 2006. An update to that report was submitted to EPA on May 5, 2006, and again on August 21, 2006.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 11, V.10.c.	<u>Maximization of Storage in the Collection System – Catch Basins</u> <ul style="list-style-type: none"> <li>○ Clean at least 85 % of the catch basins in CSS at least annually</li> <li>○ Inspect catch basins in CSO areas tributary to the Anacostia River at least two times per year and clean such basins more frequently as indicated by the inspections.</li> </ul>	Annually	Catch basin cleaning totals are reported in WASA's CSS Quarterly report, in Section 4, available on WASA's web site. Calendar year to date totals for this quarter are as follows:
			<p style="text-align: center;">Item No of Catch Basins % of Total</p> <p>Catch Basin in CSS: 10,871 (1)</p> <p>Catch Basins in CSS Cleaned: 6533 59 % (2)</p> <p>Catch Basins in Anacostia CSS: 5,954 (1)</p> <p>Catch Basins in Anacostia CSS Inspected Once: 4098 69 %</p> <p>Catch Basins in Anacostia CSS Inspected Twice: 1000 17 %</p>
			Notes:
			<p>(1) Catch basin quantities are estimated based on count of catch basins on sewer maps and on experience of field crews.</p> <p>(2) The First Quarter incorrectly reported the catch basins cleaned. The correct number was 2829 or 29 %</p>



ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 13, V.12.a.(i) (ii)	<u>Maximization of Flow to the POTW for Treatment</u> Operate and maintain the collection system to maximize flow to Blue Plains and treat all flows conveyed to permit requirements.	Ongoing after 10/10/03	Operation and maintenance status of the collection system and pumping stations is reported in Section 2 of the CSS quarterly report, available on WASA's web site. The pumping stations and collection system have been operated to maximize the flow to Blue Plains within the constraints of the system. During the period covered by this report, the maximum hourly rate to Complete Treatment exceeded 511 mgd, the rate established as the limit for Phases 1 through 7 of the Blue Plains Liquid Process Improvement Program.
p.14.12.b. (v)	<u>Main and O Pumping Station</u> Maintain a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 14, V.12.c.(v)	<u>East Side Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 08/01/06	The number of pumps and screens available for service at East Side Pumping Station is reported in Section 2 of the CSS Quarterly Report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 14, V.12.d.(iv)	<u>Poplar Point Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 10/10/03	The number of pumps and screens available for service at Poplar Point Pumping Station is reported in Section 2 of the CSS Quarterly report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 15, V.12.e.(v)	<u>Potomac Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 460 mgd.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 17, V.13.b	<u>Facilitate Reports from Public of Dry Weather Overflows</u> <ul style="list-style-type: none"> <li>• Include DWO information on water/sewer bill inserts.</li> <li>• Staff and maintain phone line to receive reports on DWOs.</li> </ul>	Ongoing after 10/10/03	<ul style="list-style-type: none"> <li>• DWO information is included on all water/sewer bill inserts for CSO program.</li> <li>• Phone line and staff remain in operation to receive DWO reports.</li> </ul>

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 18, V.14.	<u>Control of Solids and Floatable Material in CSOs</u> Conduct visual wet weather surveys at outfalls 009 through 012 to assess the extent of floatables discharged.	Ongoing after 10/10/03	Visual surveys completed in the quarter are included in Section 5 of the CSS Quarterly Report, which is available on WASA's web site.
p. 18, V.15.	<u>Pollution Prevention Programs</u> Maintain the MS4 pollution prevention programs.	Ongoing after 10/10/03	The MS4 Pollution Prevention Program is being maintained and updated. The program produces an annual report. The annual report was prepared in August 2006.
p. 18, V.15.	<u>Pollution Prevention Programs</u> Continue to periodically educate the public about pollution prevention through its newsletters and web site.	Ongoing after 10/10/03	Information about pollution prevention is included on WASA website. In addition, informational pamphlets were included in water/sewer bills mailed to citizens twice in 2004, 2005, and in April and October 2006.
p. 19, V.16.a.(i)	<u>Public Notification – CSO Signs</u> Conduct monthly inspections of CSO warning signs and replace, repair or clear obstructions as required.	Monthly	Inspection and replacement of signs is documented in Section 2 of the CSS Quarterly Reports, available on WASA's web site.
p. 21, V.16.b.	<u>Public Notification – Web Site</u> Maintain general info on CSOs, 12 most current CSS Quarterly Reports, and annual/quarterly CSO discharge volumes.	Ongoing after 10/10/03	This information is on WASA's web site, and it is updated regularly.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	CSO informational pamphlets were distributed to citizens with their water/sewer bill twice in 2004, 2005. A CSO informational pamphlet was distributed to citizens along with their water/sewer bill in April 2006 and October 2006.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	CSO informational pamphlets were mailed to local marinas twice in 2004, 2005. A CSO informational pamphlet was mailed to local marinas in April 2006 and October 2006.
p. 24, V.17.a.	<u>Monitoring</u> Report CSO overflows at remote (SCADA-monitored) sites.	04/28/04	Information on CSO overflows reported at SCADA-monitored sites is included in Table 2-12 of the CSS Quarterly Reports, available on WASA's web site.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 25, VII.19.(a). (b).(c)	<u>Reporting</u> Submit quarterly consent decree status reports.	28 <sup>th</sup> day of month after end of each calendar quarter	WASA submitted its first Quarterly Report on January 27, 2004 for Quarter No. 4 in 2003 and has submitted a report for each calendar quarter since. This report satisfies the latest reporting requirement.

## 6. REQUIREMENTS COMPLETED IN PRIOR QUARTERS

The following summarizes completed requirements reported in prior quarters.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 8, V.9.a.-j.	<u>Proper Operation and Regular Maintenance</u> Submit a written O&M program to EPA for review and comment but not approval.	06/30/04	Completed. Written O&M program submitted to EPA for review on 6/30/04.
p. 10, V.10.a.(iii)	<u>Replace Inflatable Dams</u> Replace all twelve existing inflatable dams and place all replacement dams in operation.	03/31/04	Completed. All inflatable dams were in operation as of 03/29/04 under Contract 01-0080 issued to Corman Construction Inc.
p. 10, V.10.b.(i) (a-e)(ii)(c.)	<u>Tide Gate Repair &amp; Replacement</u> Repair or replace tide gates at five CSO structures and place in operation.	11/10/03	Completed. All tide gates were placed in operation as of 08/29/03 under Contract 02-0070, Job Number AX01.
p. 11, V.10.d.	<u>Amendments to Sewer System Regulations</u> Recommend sewer regulation amendments to the D.C. Government to limit storm water inflow from any and all new construction and major renovations.	11/10/03	Completed. Three proposed code changes were submitted to the Council of the District of Columbia on October 22, 2003.
p. 13, V.12.b. (iii)	<u>Main &amp; O Pumping Stations</u> Award construction contract for rehabilitation.	04/01/05	Completed. Contract awarded to W.M. Schlosser Company, Inc. on February 23, 2005.
p. 14, V.12.b.(ii)	<u>Main &amp; O Pumping Station Rehab</u> Submit documents for required approvals to rehabilitate Main and O Street Pumping Stations to 240 and 45 mgd capacities.	03/01/04	Completed. Documents were submitted to DCRA and the Army Corps of Engineers by the deadline.
p. 14, V.12.c.(iv)	<u>East Side Pumping Station</u> Place in operation.	08/01/06	Completed. Pumps placed into service on July 21, 2006.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 14, V.12.c.(ii)	<u>East Side Pumping Station</u> Submit documents for the required approvals for the rehabilitation of Eastside Pumping Station to achieve a pumping capacity of 45 mgd.	08/01/04	Completed. Construction contract awarded 06/04/04 to Ulliman Schutte Construction, LLC
p. 15, V.12.d.(ii)	<u>Poplar Point Pumping Station</u> Submit pump test data to EPA demonstrating a pumping capacity of 45 mgd at Poplar Point Pumping Station.	11/10/03	Completed. Delivery of the package occurred on 12/02/03.
p. 15, V.12.e.	<u>Potomac Pumping Station Rehab</u> Submit documents for required approvals.	06/01/04	Completed. WASA submitted the Permit Application to DCRA on 5/21/04.
p. 15, V.12.e.(iii)	<u>Potomac Pumping Station</u> Award construction contract for rehabilitation.	09/01/05	Completed. Contract awarded to Ulliman Schutte Construction, LLC on March 14, 2005.
p. 16, V.12.f.(i)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Submit documents for required approvals to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	10/20/03	Completed. Building Permit issued 10/12/01.
p. 16, V.12.f.(ii)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Award construction contracts to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	07/31/03	Completed. Contract number 02-0130 awarded to W. M. Schlosser Co. Inc. on 07/17/03 for grit removal upgrades.
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/06	Completed. CCTV completed by due date. No repair or cleaning was required.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 17, V.13.a. (i)-(iii)	<u>System Modifications to Prevent DWOs</u> Correct regulator and/or CSS deficiencies to address dry weather overflows at CSO outfalls 007, 027, 005, 020, 023, 015, 014, and 024 and place in operation.	12/31/03	<p>Completed. This item consists of replacement of regulator structures to reduce the likelihood of DWOs at the specified outfalls.</p> <p>Following facilities placed in operation by 11/24/03 under Contract 01-0020 to Corman Construction:</p> <ul style="list-style-type: none"> <li>• CSO 027 – Structure 43a , Potomac &amp; water St NW</li> <li>• CSO 005 – Structure 7, Railroad Ave &amp; W St SE</li> <li>• CSO 020 – Structure 34a, 23<sup>rd</sup> St near C St NW</li> <li>• CSO 014 – Structure 18, 6<sup>th</sup> and M St. SE</li> <li>• CSO 024 – Structure 38a, 30<sup>th</sup> St south of K St NW</li> </ul> <p>Following Structures placed in operation by 12/19/03 under contract to C&amp;F Construction</p> <ul style="list-style-type: none"> <li>• CSO 007 – Structure 9, 13<sup>th</sup> and Ridge SE</li> <li>• CSO 015 – Structure 19 &amp; 19a, 9<sup>th</sup> and M St SE</li> </ul> <p>The following work was completed by WASA prior to June 2003:</p> <ul style="list-style-type: none"> <li>• CSO 023 – Rock Creek P.S., install level sensor to indicate risk of DWO</li> </ul>
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Add DWO information to web site.	10/10/03	Completed. DWO information added to web site on 7/14/03.
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Include DWO information in a pamphlet with the sewer bill.	Semi-annually	<p>2004 – Completed. DWO information included in pamphlet in water/sewer bills mailed in August and December 2004.</p> <p>2005 - Completed. DWO information included in pamphlet in water/sewer bills mailed in April and October 2005.</p> <p>2006 - Completed. DWO information included in pamphlet in water/sewer bills mailed in April and October 2006.</p>
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Maintain a Customer Service Hotline with staff trained to receive DWO reports.	10/10/03	Completed. Customer Service Hotline made operational, staff trained 07/24/03, 08/27/03 and 08/28/03.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p.17 V.13.b and p.22 V.16.b	<u>Public Notification Requirements</u> WASA shall provide information pamphlets on CSO location and activity.	12/31/05	Semi-Annual information pamphlets were provided to the public; one distribution in April 2005 and another in September 2005. This completes this requirement.
p. 18, V.13.c.(ii) (iii)	<u>DWO Management Program</u> Provide video cameras and training to inspection staff.	10/10/03	Completed. Three JVC digital camcorders were purchased and received on 09/07/00 and training provided for inspection staff on 09/26/00.
p. 18, V.13.d.	<u>Control of Construction Debris</u> Improve coordination with the D.C. Department of Health and the D.C. Department of Consumer and Regulatory Affairs for erosion/sediment control.	10/10/03	Completed. Letter sent to the respective agencies on 07/18/03 seeking to improve coordination regarding control of construction debris and the prevention of its entry into the sewer system. The letter lists opportunities for improvement and better coordination and provides contact personnel and telephone numbers.
p. 20, V.16.a. (ii)	<u>Public Notification; CSO Signs – National Park Service</u> Apply to the National Park Service (NPS) for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. John G. Parsons, Associate Regional Director, for NPS to install the signs. In their letter of 11/25/03, NPS denied approval for placement of new signs.
p. 20, V.16.a.(iii)	<u>CSO Signs – WASA Controlled Sites</u> Install two new signs at WASA controlled CSO outfalls: 009-012 and one sign each at CSO outfalls 001 and 003.	04/07/04	Completed. Signs installed 2/12/04.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – National Zoo</u> Apply to the National Zoo for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Marc M. Mueller, National Zoological Park Resident Engineer, to install the signs. The Zoo approved placement of new signs in their letter of 12/13/03.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – Navy Yard</u> Apply to the Navy Yard for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Thomas P. Lewis Chief, Environmental and Safety Division for the Navy Yard to install the signs. In their letter of 11/17/03, Navy Yard denied approval for placement of new signs.
p. 21, V.16.a. (iv)	<u>Public Notification; CSO Signs – Southeast Federal Center</u> Apply to Southeast Federal Center for a permit to install new CSO sign.	11/10/03	Completed. Made written application on 09/04/03 to Mr. Steven Richard, Director, Service Delivery Support Division for SE Federal Center to install the sign. In their letter of 12/19/03, SE Federal Center denied approval for placement of new signs.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 21, V.16.a.(iv)	<u>CSO Signs –National Zoo</u> Install new signs at CSO outfalls 041-045 after approval by National Zoo.	06/10/04	Completed. Signs installed 4/12/04.
pp. 21-22, V.16.b.(i) (a)-(g)	<u>Public Notification – Web site</u> Maintain accurate and up-to-date CSO information on the WASA web site as outlined in the CD.	10/10/03	Completed. Web site updated as outlined in the CD on 07/14/03 and quarterly thereafter.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	2004 – Completed. CSO informational pamphlet included in water/sewer bills mailed in August and December 2004.  2005 - Completed. CSO informational pamphlet included in water/sewer bills mailed in April and September 2005.  2006 – CSO information pamphlet included in the water/sewer bill mailed in April and October.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	2004 - Completed. WASA mailed copies of CSO informational pamphlet to marinas, boat rental facilities, etc. in August and December 2004.  2005 - Completed. WASA mailed copies of CSO informational pamphlet to marinas, boat rental facilities, etc. in April and September 2005.  2006 - Completed. WASA mailed copies of CSO informational pamphlet to marinas, boat rental facilities, etc. in April and October 2006.
p. 23, V.16.b.(iii) (c)(i)	<u>Public Notification - Notification lights</u> Submit documents for required approvals to install and operate CSO warning lights on the Anacostia and Potomac Rivers.	12/31/03	Completed.
p. 26, VIII.20.	<u>Civil Penalty</u> Pay a penalty of \$250,000 to the U. S. Department of Justice.	11/10/03	Completed. An electronic transfer of \$250,000 to the U.S. Department of Justice was performed on 11/10/03.

<b>REQUIREMENTS COMPLETED IN PRIOR QUARTERS</b>			
<b>Reference</b>	<b>Requirement</b>	<b>Due Date</b>	<b>Status</b>
p. 27, IX.23.-30.	<u>Supplemental Environmental Projects (SEPs)</u> Submit to EPA detailed scope of work and exact location of SEP.	04/07/04	Completed. WASA submitted its proposed SEP on April 1, 2004. EPA provided comments in a May 18, 2004 letter and in a May 25, 2004 conference call. WASA submitted a revised scope of work addressing EPA's comments on August 23, 2004. WASA received EPA's written approval of the proposed SEP on January 24, 2005.
p. 30, X.31.	<u>Citizen Community Project</u> Pay the Chesapeake Bay Foundation \$300,000 for the design, installation, and maintenance of green roof demonstration projects.	11/10/03	Completed. An electronic transfer of \$300,000 to the Chesapeake Bay Foundation was performed on 11/10/03.





**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**  
Serving the Public • Protecting the Environment

## **3-Party Consent Decree Status Report: Quarter No. 3 - 2007**

Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)

**October 2007**

DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY  
Washington, D.C.

*3-Party Consent Decree Status Report*  
*Quarter No.3 - 2007*

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## 1. INTRODUCTION

The District of Columbia Water and Sewer Authority (WASA or Authority) entered into a Consent Decree (CD) with the U.S. Government and certain citizen plaintiffs to resolve allegations regarding the combined sewer system (CSS). The following consent decree was lodged with and entered by the court on June 25, 2003 and October 10, 2003, respectively:

United States District Court for the District of Columbia  
Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)  
Consent Decree

The CD requires that WASA submit written status reports to the Environmental Protection Agency (EPA) and the citizen plaintiffs by the 28<sup>th</sup> day of the month following the end of each calendar quarter. The CD requires that the following be provided in each status report:

- The due dates and other terms that WASA is required to meet since the date of the last quarterly statement, whether and to what extent WASA has met these requirements, and the reasons for any noncompliance.
- A general description of the work completed within the three-month period, and a projection of work to be performed during the next three-month period.
- All other items as specified in Section V (Compliance Program and Schedules) of the CD including the status of the catch basin cleaning.

This report covers the months July through September 2007, which is Quarter No. 3 in 2007. Note that the CD requires posting certain information on WASA's web site, including the Combined Sewer System (CSS) Quarterly Reports. The web site addresses for these items are as follows:

- WASA's web site: [www.dcwasa.com](http://www.dcwasa.com)
- CSS Quarterly Reports on WASA's web site: <http://www.dcwasa.com/education/css/publicinformation.cfm>

## 2. REQUIREMENTS DUE IN CURRENT QUARTER

The following is a status report for requirements due in the current quarter:

REQUIREMENTS DUE IN CURRENT QUARTER			
Reference	Requirement	Due Date	Status
p. 27, IX.24	<u>Improvements at Blue Plains – Grit Chamber 1&amp;2 and Influent Screens.</u> Placed in operation	07/31/07	Completed on 07/27/07.
p. 12, V.10.e.i	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains.	Quarterly, following EPA's approval letter of 04/11/07	DCWASA selected an engineering firm to design sewer rehabilitation of the Outfall Sewers. WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

## 3. REQUIREMENTS DUE NEXT QUARTER

The following is a status report for requirements due in the next quarter.

REQUIREMENTS DUE NEXT QUARTER			
Reference	Requirement	Due Date	Status
	None		

#### 4. REQUIREMENTS DUE AFTER NEXT QUARTER

The following are requirements due after next quarter. Only those activities which are not addressed in prior tables are include

REQUIREMENTS DUE AFTER NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 13, V.12.b. (iv)	<u>Main &amp; O Pumping Stations</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	05/01/08	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 15, V.12.e.(iv)	<u>Potomac Pumping Station</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacity of 460 mgd.	09/01/08	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 12, V.10.e.i	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains.	04/11/11	WASA is preparing detail design for preparation of construction documents to rehabilitate the Outfall Sewers in to convey 1076 mgd by the due date.
p. 16, V.12.i.	<u>Inspect the three 60-inch Anacostia Siphons</u> Inspect siphons at least once every ten (10) years and clean and repair as necessary.	07/01/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 23, V.16.b. (iii)(c)(ii)	<u>Public Notification – Notification lights</u> Place in Operation.	20 months after receipt of approvals August 21, 2008	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

<b>REQUIREMENTS DUE AFTER NEXT QUARTER</b>			
<b>Reference</b>	<b>Requirement</b>	<b>Due Date</b>	<b>Status</b>
p. 29, IX.28	<u>Supplemental Environmental Project</u> Operate and Maintain.	5 yrs after placing in operation April 10, 2012	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 29, IX.27	<u>Supplemental Environmental Project</u> Submit SEP completion report.	5 yrs after placing in operation April 10, 2012	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

## 5. ON-GOING REQUIREMENTS

The following is a status report for requirements that are performed at periodic intervals at an on-going basis.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 4, II.3.	<u>Application and Scope</u> Provide a copy of the Consent Decree (CD) to any consultant or contractor selected to perform any activity required by the CD.	As required	Completed in Quarter No. 4, 2003. WASA will send additional letters and copies of the CD to affected Project Design Engineers (PDEs) as they are retained for other projects required by the CD.
p. 10, V.10.a.(iv)	<u>Replace Inflatable Dams</u> Operate and maintain all inflatable dams.	Ongoing after 04/01/04	Inspection and maintenance of the inflatable dams is performed monthly and is documented in the CSS Quarterly Report, Section 2.5, Table 2-11, which is available on WASA's web site. Wet weather operations are reported on Table 2-12.
p. 10, V.10.b.(i) (a-e)(ii) (d.)(iv)	<u>Tide Gate Repair &amp; Replacement</u> Operate and maintain all tide gates.	Ongoing after 10/10/03	Inspection and maintenance of the tide gates is performed monthly and is documented in the CSS Quarterly Report, Section 2.2, Table 2, which is available on WASA's web site.
p. 12, V.11.	<u>Pretreatment</u> Maintain and update the current pretreatment program as required by the Clean Water Act, Pretreatment Regulations, and the NPDES Permit.	Ongoing after 10/10/03	The Pretreatment Program is being maintained and updated. The program produces annual reports and updates. The updated 2005 Pretreatment Program Annual Report was submitted to EPA on February 27, 2006. An update to that report was submitted to EPA on May 5, 2006, and again on August 21, 2006.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 11, V.10.c.	<u>Maximization of Storage in the Collection System – Catch Basins</u> <ul style="list-style-type: none"> <li>○ Clean at least 85 % of the catch basins in CSS at least annually</li> <li>○ Inspect catch basins in CSO areas tributary to the Anacostia River at least two times per year and clean such basins more frequently as indicated by the inspections.</li> </ul>	Annually	Catch basin cleaning totals are reported in WASA's CSS Quarterly report, in Section 4, available on WASA's web site. Calendar year to date totals for this quarter are as follows:
			<p style="text-align: center;">Item No of Catch Basins % of Total</p> <p>Catch Basin in CSS: 10,871 (1)</p> <p>Catch Basins in CSS Cleaned: 8753 80 %</p> <p>Catch Basins in Anacostia CSS: 5,954 (1)</p> <p>Catch Basins in Anacostia CSS Inspected Once: 5093 85 %</p> <p>Catch Basins in Anacostia CSS Inspected Twice: 4267 72 %</p>
			Notes: (1) Catch basin quantities are estimated based on count of catch basins on sewer maps and on experience of field crews.



ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 13, V.12.a.(i) (ii)	<u>Maximization of Flow to the POTW for Treatment</u> Operate and maintain the collection system to maximize flow to Blue Plains and treat all flows conveyed to permit requirements.	Ongoing after 10/10/03	Operation and maintenance status of the collection system and pumping stations is reported in Section 2 of the CSS quarterly report, available on WASA's web site. The pumping stations and collection system have been operated to maximize the flow to Blue Plains within the constraints of the system. During the period covered by this report, the maximum hourly rate to Complete Treatment exceeded 511 mgd, the rate established as the limit for Phases 1 through 7 of the Blue Plains Liquid Process Improvement Program.
p.14.12.b. (v)	<u>Main and O Pumping Station</u> Maintain a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 14, V.12.c.(v)	<u>East Side Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 08/01/06	The number of pumps and screens available for service at East Side Pumping Station is reported in Section 2 of the CSS Quarterly Report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 14, V.12.d.(iv)	<u>Poplar Point Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 10/10/03	The number of pumps and screens available for service at Poplar Point Pumping Station is reported in Section 2 of the CSS Quarterly report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 15, V.12.e.(v)	<u>Potomac Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 460 mgd.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 17, V.13.b	<u>Facilitate Reports from Public of Dry Weather Overflows</u> <ul style="list-style-type: none"> <li>• Include DWO information on water/sewer bill inserts.</li> <li>• Staff and maintain phone line to receive reports on DWOs.</li> </ul>	Ongoing after 10/10/03	<ul style="list-style-type: none"> <li>• DWO information is included on all water/sewer bill inserts for CSO program.</li> <li>• Phone line and staff remain in operation to receive DWO reports.</li> </ul>

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 18, V.14.	<u>Control of Solids and Floatable Material in CSOs</u> Conduct visual wet weather surveys at outfalls 009 through 012 to assess the extent of floatables discharged.	Ongoing after 10/10/03	Visual surveys completed in the quarter are included in Section 5 of the CSS Quarterly Report, which is available on WASA's web site, and is reported to EPA with the monthly NPDES report.
p. 18, V.15.	<u>Pollution Prevention Programs</u> Maintain the MS4 pollution prevention programs.	Ongoing after 10/10/03	The MS4 Pollution Prevention Program is being maintained and updated. The program produces an annual report. The annual report was prepared in August 2006.
p. 18, V.15.	<u>Pollution Prevention Programs</u> Continue to periodically educate the public about pollution prevention through its newsletters and web site.	Ongoing after 10/10/03	Information about pollution prevention is included on WASA website. In addition, informational pamphlets were included in water/sewer bills mailed to citizens twice in 2004, 2005, 2006 and in April 2007.
p. 19, V.16.a.(i)	<u>Public Notification – CSO Signs</u> Conduct monthly inspections of CSO warning signs and replace, repair or clear obstructions as required.	Monthly	Inspection and replacement of signs is documented in Section 2 of the CSS Quarterly Reports, available on WASA's web site.
p. 21, V.16.b.	<u>Public Notification – Web Site</u> Maintain general info on CSOs, 12 most current CSS Quarterly Reports, and annual/quarterly CSO discharge volumes.	Ongoing after 10/10/03	This information is on WASA's web site, and it is updated regularly.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	CSO informational pamphlets were distributed to citizens with their water/sewer bill twice in 2004, 2005, 2006. A CSO informational pamphlet was distributed to citizens along with their water/sewer bill in April 2007.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	CSO informational pamphlets were mailed to local marinas twice in 2004, 2005, 2006. A CSO informational pamphlet was mailed to local marinas in April 2007.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 24, V.17.a.	<u>Monitoring</u> Report CSO overflows at remote (SCADA-monitored) sites.	04/28/04	Information on CSO overflows reported at SCADA-monitored sites is included in Table 2-12 of the CSS Quarterly Reports, available on WASA's web site, and is reported to EPA with the monthly NPDES report.
p. 25, VII.19.(a). (b).(c)	<u>Reporting</u> Submit quarterly consent decree status reports.	28 <sup>th</sup> day of month after end of each calendar quarter	WASA submitted its first Quarterly Report on January 27, 2004 for Quarter No. 4 in 2003 and has submitted a report for each calendar quarter since. This report satisfies the latest reporting requirement.

## 6. REQUIREMENTS COMPLETED IN PRIOR QUARTERS

The following summarizes completed requirements reported in prior quarters.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 8, V.9.a.-j.	<u>Proper Operation and Regular Maintenance</u> Submit a written O&M program to EPA for review and comment but not approval.	06/30/04	Completed. Written O&M program submitted to EPA for review on 6/30/04.
p. 10, V.10.a.(iii)	<u>Replace Inflatable Dams</u> Replace all twelve existing inflatable dams and place all replacement dams in operation.	03/31/04	Completed. All inflatable dams were in operation as of 03/29/04 under Contract 01-0080 issued to Corman Construction Inc.
p. 10, V.10.b.(i) (a-e)(ii)(c.)	<u>Tide Gate Repair &amp; Replacement</u> Repair or replace tide gates at five CSO structures and place in operation.	11/10/03	Completed. All tide gates were placed in operation as of 08/29/03 under Contract 02-0070, Job Number AX01.
p. 11, V.10.d.	<u>Amendments to Sewer System Regulations</u> Recommend sewer regulation amendments to the D.C. Government to limit storm water inflow from any and all new construction and major renovations.	11/10/03	Completed. Three proposed code changes were submitted to the Council of the District of Columbia on October 22, 2003.
p. 14, V.12.b.(ii)	<u>Main &amp; O Pumping Station Rehab</u> Submit documents for required approvals to rehabilitate Main and O Street Pumping Stations to 240 and 45 mgd capacities.	03/01/04	Completed. Documents were submitted to DCRA and the Army Corps of Engineers by the deadline.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 13, V.12.b. (iii)	<u>Main &amp; O Pumping Stations</u> Award construction contract for rehabilitation.	04/01/05	Completed. Contract awarded to W.M. Schlosser Company, Inc. on February 23, 2005.
p. 14, V.12.c.(ii)	<u>East Side Pumping Station</u> Submit documents for the required approvals for the rehabilitation of Eastside Pumping Station to achieve a pumping capacity of 45 mgd.	08/01/04	Completed. Documents were submitted to DCRA on August 13, 2003.
p. 14, V.12.c.(iii)	<u>East Side Pumping Station</u> Award construction contract for rehabilitation.	08/01/04	Construction contract awarded 06/04/04 to Ulliman Schutte Construction, LLC
p. 14, V.12.c.(iv)	<u>East Side Pumping Station</u> Place in operation.	08/01/06	Completed. Pumps placed into service on July 21, 2006.
p. 15, V.12.d.(ii)	<u>Poplar Point Pumping Station</u> Submit pump test data to EPA demonstrating a pumping capacity of 45 mgd at Poplar Point Pumping Station.	11/10/03	Completed. Delivery of the package occurred on 12/02/03.
p. 15, V.12.e.	<u>Potomac Pumping Station Rehab</u> Submit documents for required approvals.	06/01/04	Completed. WASA submitted the Permit Application to DCRA on 5/21/04.
p. 15, V.12.e.(iii)	<u>Potomac Pumping Station</u> Award construction contract for rehabilitation.	09/01/05	Completed. Contract awarded to Ulliman Schutte Construction, LLC on March 14, 2005.
p. 16, V.12.f.(i)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Submit documents for required approvals to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	10/20/03	Completed. Building Permit issued 10/12/01.
p. 16, V.12.f.(ii)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Award construction contracts to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	07/31/03	Completed. Contract number 02-0130 awarded to W. M. Schlosser Co. Inc. on 07/17/03 for grit removal upgrades.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/06	Completed. CCTV completed by due date. No repair or cleaning was required.
p. 17, V.13.a. (i)-(iii)	<u>System Modifications to Prevent DWOs</u> Correct regulator and/or CSS deficiencies to address dry weather overflows at CSO outfalls 007, 027, 005, 020, 023, 015, 014, and 024 and place in operation.	12/31/03	<p>Completed. This item consists of replacement of regulator structures to reduce the likelihood of DWOs at the specified outfalls.</p> <p>Following facilities placed in operation by 11/24/03 under Contract 01-0020 to Corman Construction:</p> <ul style="list-style-type: none"> <li>• CSO 027 – Structure 43a , Potomac &amp; water St NW</li> <li>• CSO 005 – Structure 7, Railroad Ave &amp; W St SE</li> <li>• CSO 020 – Structure 34a, 23<sup>rd</sup> St near C St NW</li> <li>• CSO 014 – Structure 18, 6<sup>th</sup> and M St. SE</li> <li>• CSO 024 – Structure 38a, 30<sup>th</sup> St south of K St NW</li> </ul> <p>Following Structures placed in operation by 12/19/03 under contract to C&amp;F Construction</p> <ul style="list-style-type: none"> <li>• CSO 007 – Structure 9, 13<sup>th</sup> and Ridge SE</li> <li>• CSO 015 – Structure 19 &amp; 19a, 9<sup>th</sup> and M St SE</li> </ul> <p>The following work was completed by WASA prior to June 2003:</p> <ul style="list-style-type: none"> <li>• CSO 023 – Rock Creek P.S., install level sensor to indicate risk of DWO</li> </ul>
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Add DWO information to web site.	10/10/03	Completed. DWO information added to web site on 7/14/03.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Include DWO information in a pamphlet with the sewer bill.	Semi-annually	2004 – Completed. DWO information included in pamphlet in water/sewer bills mailed in August and December 2004. 2005 - Completed. DWO information included in pamphlet in water/sewer bills mailed in April and October 2005. 2006 - Completed. DWO information included in pamphlet in water/sewer bills mailed in April and October 2006.
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Maintain a Customer Service Hotline with staff trained to receive DWO reports.	10/10/03	Completed. Customer Service Hotline made operational, staff trained 07/24/03, 08/27/03 and 08/28/03.
p.17 V.13.b and p.22 V.16.b	<u>Public Notification Requirements</u> WASA shall provide information pamphlets on CSO location and activity.	12/31/05	Semi-Annual information pamphlets were provided to the public; one distribution in April 2005 and another in September 2005. This completes this requirement.
p. 18, V.13.c.(ii) (iii)	<u>DWO Management Program</u> Provide video cameras and training to inspection staff.	10/10/03	Completed. Three JVC digital camcorders were purchased and received on 09/07/00 and training provided for inspection staff on 09/26/00.
p. 18, V.13.d.	<u>Control of Construction Debris</u> Improve coordination with the D.C. Department of the Environment (previously DOH) and the D.C. Department of Consumer and Regulatory Affairs for erosion/sediment control.	10/10/03	Completed. Letter sent to the respective agencies on 07/18/03 seeking to improve coordination regarding control of construction debris and the prevention of its entry into the sewer system. The letter lists opportunities for improvement and better coordination and provides contact personnel and telephone numbers.
p. 20, V.16.a. (ii)	<u>Public Notification; CSO Signs – National Park Service</u> Apply to the National Park Service (NPS) for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. John G. Parsons, Associate Regional Director, for NPS to install the signs. In their letter of 11/25/03, NPS denied approval for placement of new signs.
p. 20, V.16.a.(iii)	<u>CSO Signs – WASA Controlled Sites</u> Install two new signs at WASA controlled CSO outfalls: 009-012 and one sign each at CSO outfalls 001 and 003.	04/07/04	Completed. Signs installed 2/12/04.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – National Zoo</u> Apply to the National Zoo for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Marc M. Mueller, National Zoological Park Resident Engineer, to install the signs. The Zoo approved placement of new signs in their letter of 12/13/03.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – Navy Yard</u> Apply to the Navy Yard for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Thomas P. Lewis Chief, Environmental and Safety Division for the Navy Yard to install the signs. In their letter of 11/17/03, Navy Yard denied approval for placement of new signs.
p. 21, V.16.a. (iv)	<u>Public Notification; CSO Signs – Southeast Federal Center</u> Apply to Southeast Federal Center for a permit to install new CSO sign.	11/10/03	Completed. Made written application on 09/04/03 to Mr. Steven Richard, Director, Service Delivery Support Division for SE Federal Center to install the sign. In their letter of 12/19/03, SE Federal Center denied approval for placement of new signs.
p. 21, V.16.a.(iv)	<u>CSO Signs –National Zoo</u> Install new signs at CSO outfalls 041-045 after approval by National Zoo.	06/10/04	Completed. Signs installed 4/12/04.
pp. 21-22, V.16.b.(i) (a)-(g)	<u>Public Notification – Web site</u> Maintain accurate and up-to-date CSO information on the WASA web site as outlined in the CD.	10/10/03	Completed. Web site updated as outlined in the CD on 07/14/03 and quarterly thereafter.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	2004 – Completed. CSO informational pamphlet included in water/sewer bills mailed in August and December 2004.  2005 - Completed. CSO informational pamphlet included in water/sewer bills mailed in April and September 2005.  2006 – Completed. CSO information pamphlet included in the water/sewer bill mailed in April and October.  2007 - CSO information pamphlet included in the water/sewer bill mailed in April

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	2004 - Completed. WASA mailed copies of CSO informational pamphlet to marinas, boat rental facilities, etc. in August and December 2004.  2005 - Completed. WASA mailed copies of CSO informational pamphlet to marinas, boat rental facilities, etc. in April and September 2005.  2006 - Completed. WASA mailed copies of CSO informational pamphlet to marinas, boat rental facilities, etc. in April and October 2006.  2007 - WASA mailed copies of CSO informational pamphlet to marinas, boat rental facilities, etc. in April 2007
p. 23, V.16.b.(iii) (c)(i)	<u>Public Notification - Notification lights</u> Submit documents for required approvals to install and operate CSO warning lights on the Anacostia and Potomac Rivers.	12/31/03	Completed.
p. 26, VIII.20.	<u>Civil Penalty</u> Pay a penalty of \$250,000 to the U. S. Department of Justice.	11/10/03	Completed. An electronic transfer of \$250,000 to the U.S. Department of Justice was performed on 11/10/03.
p. 27, IX.23.-30.	<u>Supplemental Environmental Projects (SEPs)</u> Submit to EPA detailed scope of work and exact location of SEP.	04/07/04	Completed. WASA submitted its proposed SEP on April 1, 2004. EPA provided comments in a May 18, 2004 letter and in a May 25, 2004 conference call. WASA submitted a revised scope of work addressing EPA's comments on August 23, 2004. WASA received EPA's written approval of the proposed SEP on January 24, 2005.
p. 27, IX.24	<u>Supplemental Environmental Project</u> Place in Operation.	04/10/07	Project placed in service 04/10/07.
p. 30, X.31.	<u>Citizen Community Project</u> Pay the Chesapeake Bay Foundation \$300,000 for the design, installation, and maintenance of green roof demonstration projects.	11/10/03	Completed. An electronic transfer of \$300,000 to the Chesapeake Bay Foundation was performed on 11/10/03.







**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**  
Serving the Public • Protecting the Environment

## **3-Party Consent Decree Status Report: Quarter No. 4 - 2007**

Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)

**January 2008**

DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY  
Washington, D.C.

*3-Party Consent Decree Status Report*  
*Quarter No.4 - 2007*

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## 1. INTRODUCTION

The District of Columbia Water and Sewer Authority (WASA or Authority) entered into a Consent Decree (CD) with the U.S. Government and certain citizen plaintiffs to resolve allegations regarding the combined sewer system (CSS). The following consent decree was lodged with and entered by the court on June 25, 2003 and October 10, 2003, respectively:

United States District Court for the District of Columbia  
Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)  
Consent Decree

The CD requires that WASA submit written status reports to the Environmental Protection Agency (EPA) and the citizen plaintiffs by the 28<sup>th</sup> day of the month following the end of each calendar quarter. The CD requires that the following be provided in each status report:

- The due dates and other terms that WASA is required to meet since the date of the last quarterly statement, whether and to what extent WASA has met these requirements, and the reasons for any noncompliance.
- A general description of the work completed within the three-month period, and a projection of work to be performed during the next three-month period.
- All other items as specified in Section V (Compliance Program and Schedules) of the CD including the status of the catch basin cleaning.

This report covers the months October through December 2007, which is Quarter No. 4 in 2007. Note that the CD requires posting certain information on WASA's web site, including the Combined Sewer System (CSS) Quarterly Reports. The web site addresses for these items are as follows:

- WASA's web site: [www.dcwasa.com](http://www.dcwasa.com)
- CSS Quarterly Reports on WASA's web site: <http://www.dcwasa.com/education/css/publicinformation.cfm>

## 2. REQUIREMENTS DUE IN CURRENT QUARTER

The following is a status report for requirements due in the current quarter:

REQUIREMENTS DUE IN CURRENT QUARTER			
Reference	Requirement	Due Date	Status
p. 12, V.10.e.i	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains.	Quarterly, following EPA's approval letter of 04/11/07	DCWASA issued NTP on November 1, 2007 for the design of the rehabilitation of the Outfall Sewers. WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

## 3. REQUIREMENTS DUE NEXT QUARTER

The following is a status report for requirements due in the next quarter.

REQUIREMENTS DUE NEXT QUARTER			
Reference	Requirement	Due Date	Status
	None		

#### 4. REQUIREMENTS DUE AFTER NEXT QUARTER

The following are requirements due after next quarter. Only those activities which are not addressed in prior tables are include

REQUIREMENTS DUE AFTER NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 13, V.12.b. (iv)	<u>Main &amp; O Pumping Stations</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	05/01/08	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 15, V.12.e.(iv)	<u>Potomac Pumping Station</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacity of 460 mgd.	09/01/08	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 12, V.10.e.i	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains.	04/11/11	WASA is preparing detail design for preparation of construction documents to rehabilitate the Outfall Sewers in to convey 1076 mgd by the due date.
p. 16, V.12.i.	<u>Inspect the three 60-inch Anacostia Siphons</u> Inspect siphons at least once every ten (10) years and clean and repair as necessary.	07/01/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 23, V.16.b. (iii)(c)(ii)	<u>Public Notification – Notification lights</u> Place in Operation.	20 months after receipt of approvals August 21, 2008	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 29, IX.28	<u>Supplemental Environmental Project</u> Operate and Maintain.	5 yrs after placing in operation April 10, 2012	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 29, IX.27	<u>Supplemental Environmental Project</u> Submit SEP completion report.	5 yrs after placing in operation April 10, 2012	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

## 5. ON-GOING REQUIREMENTS

The following is a status report for requirements that are performed at periodic intervals at an on-going basis.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 4, II.3.	<u>Application and Scope</u> Provide a copy of the Consent Decree (CD) to any consultant or contractor selected to perform any activity required by the CD.	As required	Completed in Quarter No. 4, 2003. WASA will send additional letters and copies of the CD to affected Project Design Engineers (PDEs) as they are retained for other projects required by the CD.
p. 10, V.10.a.(iv)	<u>Replace Inflatable Dams</u> Operate and maintain all inflatable dams.	Ongoing after 04/01/04	Inspection and maintenance of the inflatable dams is performed monthly and is documented in the CSS Quarterly Report, Section 2.5, Table 2-11, which is available on WASA's web site. Wet weather operations are reported on Table 2-12.
p. 10, V.10.b.(i) (a-e)(ii) (d.)(iv)	<u>Tide Gate Repair &amp; Replacement</u> Operate and maintain all tide gates.	Ongoing after 10/10/03	Inspection and maintenance of the tide gates is performed monthly and is documented in the CSS Quarterly Report, Section 2.2, Table 2, which is available on WASA's web site.
p. 12, V.11.	<u>Pretreatment</u> Maintain and update the current pretreatment program as required by the Clean Water Act, Pretreatment Regulations, and the NPDES Permit.	Ongoing after 10/10/03	The Pretreatment Program is being maintained and updated. The program submits reports and updates annually to EPA.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 11, V.10.c.	<u>Maximization of Storage in the Collection System – Catch Basins</u> <ul style="list-style-type: none"> <li>○ Clean at least 85 % of the catch basins in CSS at least annually</li> <li>○ Inspect catch basins in CSO areas tributary to the Anacostia River at least two times per year and clean such basins more frequently as indicated by the inspections.</li> </ul>	Annually	Catch basin cleaning totals are reported in WASA's CSS Quarterly report, in Section 4, available on WASA's web site. Calendar year to date totals for this quarter are as follows:
			<p style="text-align: center;">Item No of Catch Basins % of Total</p> <p>Catch Basin in CSS: 10,871 (1)</p> <p>Catch Basins in CSS Cleaned: 10871 100 %</p> <p>Catch Basins in Anacostia CSS: 5,954 (1)</p> <p>Catch Basins in Anacostia CSS Inspected Once: 5954 100 %</p> <p>Catch Basins in Anacostia CSS Inspected Twice: 5954 100 %</p>
			Notes: (1) Catch basin quantities are estimated based on count of catch basins on sewer maps and on experience of field crews.



ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 13, V.12.a.(i) (ii)	<u>Maximization of Flow to the POTW for Treatment</u> Operate and maintain the collection system to maximize flow to Blue Plains and treat all flows conveyed to permit requirements.	Ongoing after 10/10/03	Operation and maintenance status of the collection system and pumping stations is reported in Section 2 of the CSS quarterly report, available on WASA's web site. The pumping stations and collection system have been operated to maximize the flow to Blue Plains within the constraints of the system. During the period covered by this report, the maximum hourly rate to Complete Treatment exceeded 511 mgd, the rate established as the limit for Phases 1 through 7 of the Blue Plains Liquid Process Improvement Program.
p.14.12.b. (v)	<u>Main and O Pumping Station</u> Maintain a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 14, V.12.c.(v)	<u>East Side Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 08/01/06	The number of pumps and screens available for service at East Side Pumping Station is reported in Section 2 of the CSS Quarterly Report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 14, V.12.d.(iv)	<u>Poplar Point Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 10/10/03	The number of pumps and screens available for service at Poplar Point Pumping Station is reported in Section 2 of the CSS Quarterly report, available at WASA's web site. The report shows that Pumps 1 and 2 were both out of service due to mechanical malfunctions on December 29 <sup>th</sup> and 30 <sup>th</sup> . The station's firm capacity was restored on the 31 <sup>st</sup> , when Pump 1 was returned to service.
p. 15, V.12.e.(v)	<u>Potomac Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 460 mgd.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 17, V.13.b	<u>Facilitate Reports from Public of Dry Weather Overflows</u> <ul style="list-style-type: none"> <li>• Include DWO information on water/sewer bill inserts.</li> <li>• Staff and maintain phone line to receive reports on DWOs.</li> </ul>	Ongoing after 10/10/03	<ul style="list-style-type: none"> <li>• DWO information is included on all water/sewer bill inserts for CSO program.</li> <li>• Phone line and staff remain in operation to receive DWO reports.</li> </ul>

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 18, V.14.	<u>Control of Solids and Floatable Material in CSOs</u> Conduct visual wet weather surveys at outfalls 009 through 012 to assess the extent of floatables discharged.	Ongoing after 10/10/03	Visual surveys completed in the quarter are included in Section 5 of the CSS Quarterly Report, which is available on WASA's web site, and is reported to EPA with the monthly NPDES report.
p. 18, V.15.	<u>Pollution Prevention Programs</u> Maintain the MS4 pollution prevention programs.	Ongoing after 10/10/03	The MS4 Pollution Prevention Program is being maintained and updated. The program produces an annual report
p. 18, V.15.	<u>Pollution Prevention Programs</u> Continue to periodically educate the public about pollution prevention through its newsletters and web site.	Ongoing after 10/10/03	Information about pollution prevention is included on WASA website. In addition, twice a year, informational pamphlets are included in the water/sewer bills mailed to citizens.
p. 19, V.16.a.(i)	<u>Public Notification – CSO Signs</u> Conduct monthly inspections of CSO warning signs and replace, repair or clear obstructions as required.	Monthly	Inspection and replacement of signs is documented in Section 2 of the CSS Quarterly Reports, available on WASA's web site.
p. 21, V.16.b.	<u>Public Notification – Web Site</u> Maintain general info on CSOs, 12 most current CSS Quarterly Reports, and annual/quarterly CSO discharge volumes.	Ongoing after 10/10/03	This information is on WASA's web site, and it is updated regularly.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	CSO informational pamphlets were distributed to citizens with their water/sewer bill twice in 2004, 2005, and 2006. A CSO informational pamphlet was distributed to citizens along with their water/sewer bill in April 2007 and October 2007.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	CSO informational pamphlets were mailed to local marinas twice in 2004, 2005, and 2006. A CSO informational pamphlet was mailed to local marinas in April 2007 and October 2007.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 24, V.17.a.	<u>Monitoring</u> Report CSO overflows at remote (SCADA-monitored) sites.	04/28/04	Information on CSO overflows reported at SCADA-monitored sites is included in Table 2-12 of the CSS Quarterly Reports, available on WASA's web site, and is reported to EPA with the monthly NPDES report.
p. 25, VII.19.(a). (b).(c)	<u>Reporting</u> Submit quarterly consent decree status reports.	28 <sup>th</sup> day of month after end of each calendar quarter	WASA submitted its first Quarterly Report on January 27, 2004 for Quarter No. 4 in 2003 and has submitted a report for each calendar quarter since. This report satisfies the latest reporting requirement.

## 6. REQUIREMENTS COMPLETED IN PRIOR QUARTERS

The following summarizes completed requirements reported in prior quarters.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 8, V.9.a.-j.	<u>Proper Operation and Regular Maintenance</u> Submit a written O&M program to EPA for review and comment but not approval.	06/30/04	Completed. Written O&M program submitted to EPA for review on 6/30/04.
p. 10, V.10.a.(iii)	<u>Replace Inflatable Dams</u> Replace all twelve existing inflatable dams and place all replacement dams in operation.	03/31/04	Completed. All inflatable dams were in operation as of 03/29/04 under Contract 01-0080 issued to Corman Construction Inc.
p. 10, V.10.b.(i) (a-e)(ii)(c.)	<u>Tide Gate Repair &amp; Replacement</u> Repair or replace tide gates at five CSO structures and place in operation.	11/10/03	Completed. All tide gates were placed in operation as of 08/29/03 under Contract 02-0070, Job Number AX01.
p. 11, V.10.d.	<u>Amendments to Sewer System Regulations</u> Recommend sewer regulation amendments to the D.C. Government to limit storm water inflow from any and all new construction and major renovations.	11/10/03	Completed. Three proposed code changes were submitted to the Council of the District of Columbia on October 22, 2003.
p. 14, V.12.b.(ii)	<u>Main &amp; O Pumping Station Rehab</u> Submit documents for required approvals to rehabilitate Main and O Street Pumping Stations to 240 and 45 mgd capacities.	03/01/04	Completed. Documents were submitted to DCRA and the Army Corps of Engineers by the deadline.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 13, V.12.b. (iii)	<u>Main &amp; O Pumping Stations</u> Award construction contract for rehabilitation.	04/01/05	Completed. Contract awarded to W.M. Schlosser Company, Inc. on February 23, 2005.
p. 14, V.12.c.(ii)	<u>East Side Pumping Station</u> Submit documents for the required approvals for the rehabilitation of Eastside Pumping Station to achieve a pumping capacity of 45 mgd.	08/01/04	Completed. Documents were submitted to DCRA on August 13, 2003.
p. 14, V.12.c.(iii)	<u>East Side Pumping Station</u> Award construction contract for rehabilitation.	08/01/04	Construction contract awarded 06/04/04 to Ulliman Schutte Construction, LLC
p. 14, V.12.c.(iv)	<u>East Side Pumping Station</u> Place in operation.	08/01/06	Completed. Pumps placed into service on July 21, 2006.
p. 15, V.12.d.(ii)	<u>Poplar Point Pumping Station</u> Submit pump test data to EPA demonstrating a pumping capacity of 45 mgd at Poplar Point Pumping Station.	11/10/03	Completed. Delivery of the package occurred on 12/02/03.
p. 15, V.12.e.	<u>Potomac Pumping Station Rehab</u> Submit documents for required approvals.	06/01/04	Completed. WASA submitted the Permit Application to DCRA on 5/21/04.
p. 15, V.12.e.(iii)	<u>Potomac Pumping Station</u> Award construction contract for rehabilitation.	09/01/05	Completed. Contract awarded to Ulliman Schutte Construction, LLC on March 14, 2005.
p. 16, V.12.f.(i)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Submit documents for required approvals to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	10/20/03	Completed. Building Permit issued 10/12/01.
p. 16, V.12.f.(ii)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Award construction contracts to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	07/31/03	Completed. Contract number 02-0130 awarded to W. M. Schlosser Co. Inc. on 07/17/03 for grit removal upgrades.
p. 16, V.12.f.(iii)	<u>Improvements at Blue Plains – Grit Chamber 1&amp;2 and Influent Screens.</u> Placed in operation	07/31/07	Completed on 07/27/07.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/06	Completed. CCTV completed by due date. No repair or cleaning was required.
p. 17, V.13.a. (i)-(iii)	<u>System Modifications to Prevent DWOs</u> Correct regulator and/or CSS deficiencies to address dry weather overflows at CSO outfalls 007, 027, 005, 020, 023, 015, 014, and 024 and place in operation.	12/31/03	<p>Completed. This item consists of replacement of regulator structures to reduce the likelihood of DWOs at the specified outfalls.</p> <p>Following facilities placed in operation by 11/24/03 under Contract 01-0020 to Corman Construction:</p> <ul style="list-style-type: none"> <li>• CSO 027 – Structure 43a , Potomac &amp; water St NW</li> <li>• CSO 005 – Structure 7, Railroad Ave &amp; W St SE</li> <li>• CSO 020 – Structure 34a, 23<sup>rd</sup> St near C St NW</li> <li>• CSO 014 – Structure 18, 6<sup>th</sup> and M St. SE</li> <li>• CSO 024 – Structure 38a, 30<sup>th</sup> St south of K St NW</li> </ul> <p>Following Structures placed in operation by 12/19/03 under contract to C&amp;F Construction</p> <ul style="list-style-type: none"> <li>• CSO 007 – Structure 9, 13<sup>th</sup> and Ridge SE</li> <li>• CSO 015 – Structure 19 &amp; 19a, 9<sup>th</sup> and M St SE</li> </ul> <p>The following work was completed by WASA prior to June 2003:</p> <ul style="list-style-type: none"> <li>• CSO 023 – Rock Creek P.S., install level sensor to indicate risk of DWO</li> </ul>
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Add DWO information to web site.	10/10/03	Completed. DWO information added to web site on 7/14/03.
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Include DWO information in a pamphlet with the sewer bill.	Semi-annually	<p>2004 – Completed in August and December.</p> <p>2005 – Completed in April and September.</p> <p>2006 – Completed in April and October.</p> <p>2007 – Completed in April and October.</p>

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Maintain a Customer Service Hotline with staff trained to receive DWO reports.	10/10/03	Completed. Customer Service Hotline made operational, staff trained 07/24/03, 08/27/03 and 08/28/03.
p.17 V.13.b and p.22 V.16.b	<u>Public Notification Requirements</u> WASA shall provide information pamphlets on CSO location and activity.	12/31/05	Semi-Annual information pamphlets were provided to the public; one distribution in April 2005 and another in September 2005. This completes this requirement.
p. 18, V.13.c.(ii) (iii)	<u>DWO Management Program</u> Provide video cameras and training to inspection staff.	10/10/03	Completed. Three JVC digital camcorders were purchased and received on 09/07/00 and training provided for inspection staff on 09/26/00.
p. 18, V.13.d.	<u>Control of Construction Debris</u> Improve coordination with the D.C. Department of the Environment (previously DOH) and the D.C. Department of Consumer and Regulatory Affairs for erosion/sediment control.	10/10/03	Completed. Letter sent to the respective agencies on 07/18/03 seeking to improve coordination regarding control of construction debris and the prevention of its entry into the sewer system. The letter lists opportunities for improvement and better coordination and provides contact personnel and telephone numbers.
p. 20, V.16.a. (ii)	<u>Public Notification; CSO Signs – National Park Service</u> Apply to the National Park Service (NPS) for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. John G. Parsons, Associate Regional Director, for NPS to install the signs. In their letter of 11/25/03, NPS denied approval for placement of new signs.
p. 20, V.16.a.(iii)	<u>CSO Signs – WASA Controlled Sites</u> Install two new signs at WASA controlled CSO outfalls: 009-012 and one sign each at CSO outfalls 001 and 003.	04/07/04	Completed. Signs installed 2/12/04.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – National Zoo</u> Apply to the National Zoo for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Marc M. Mueller, National Zoological Park Resident Engineer, to install the signs. The Zoo approved placement of new signs in their letter of 12/13/03.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – Navy Yard</u> Apply to the Navy Yard for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Thomas P. Lewis Chief, Environmental and Safety Division for the Navy Yard to install the signs. In their letter of 11/17/03, Navy Yard denied approval for placement of new signs.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 21, V.16.a. (iv)	<u>Public Notification; CSO Signs – Southeast Federal Center</u> Apply to Southeast Federal Center for a permit to install new CSO sign.	11/10/03	Completed. Made written application on 09/04/03 to Mr. Steven Richard, Director, Service Delivery Support Division for SE Federal Center to install the sign. In their letter of 12/19/03, SE Federal Center denied approval for placement of new signs.
p. 21, V.16.a.(iv)	<u>CSO Signs –National Zoo</u> Install new signs at CSO outfalls 041-045 after approval by National Zoo.	06/10/04	Completed. Signs installed 4/12/04.
pp. 21-22, V.16.b.(i) (a)-(g)	<u>Public Notification – Web site</u> Maintain accurate and up-to-date CSO information on the WASA web site as outlined in the CD.	10/10/03	Completed. Web site updated as outlined in the CD on 07/14/03 and quarterly thereafter.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	2004 – Completed in August and December. 2005 – Completed in April and September. 2006 – Completed in April and October. 2007 – Completed in April and October.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	2004 – Completed in August and December. 2005 – Completed in April and September. 2006 – Completed in April and October. 2007 – Completed in April and October.
p. 23, V.16.b.(iii) (c)(i)	<u>Public Notification - Notification lights</u> Submit documents for required approvals to install and operate CSO warning lights on the Anacostia and Potomac Rivers.	12/31/03	Completed.
p. 26, VIII.20.	<u>Civil Penalty</u> Pay a penalty of \$250,000 to the U. S. Department of Justice.	11/10/03	Completed. An electronic transfer of \$250,000 to the U.S. Department of Justice was performed on 11/10/03.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 27, IX.23.-30.	<u>Supplemental Environmental Projects (SEPs)</u> Submit to EPA detailed scope of work and exact location of SEP.	04/07/04	Completed. WASA submitted its proposed SEP on April 1, 2004. EPA provided comments in a May 18, 2004 letter and in a May 25, 2004 conference call. WASA submitted a revised scope of work addressing EPA's comments on August 23, 2004. WASA received EPA's written approval of the proposed SEP on January 24, 2005.
p. 27, IX.24	<u>Supplemental Environmental Project</u> Place in Operation.	04/10/07	Project placed in service 04/10/07.
p. 30, X.31.	<u>Citizen Community Project</u> Pay the Chesapeake Bay Foundation \$300,000 for the design, installation, and maintenance of green roof demonstration projects.	11/10/03	Completed. An electronic transfer of \$300,000 to the Chesapeake Bay Foundation was performed on 11/10/03.





**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**  
Serving the Public • Protecting the Environment

## **3-Party Consent Decree Status Report: Quarter No. 1- 2008**

Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)

**April 2008**

DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY  
Washington, D.C.

*3-Party Consent Decree Status Report*  
Quarter No.1 - 2008

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## 1. INTRODUCTION

The District of Columbia Water and Sewer Authority (WASA or Authority) entered into a Consent Decree (CD) with the U.S. Government and certain citizen plaintiffs to resolve allegations regarding the combined sewer system (CSS). The following consent decree was lodged with and entered by the court on June 25, 2003 and October 10, 2003, respectively:

United States District Court for the District of Columbia  
Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)  
Consent Decree

The CD requires that WASA submit written status reports to the Environmental Protection Agency (EPA) and the citizen plaintiffs by the 28<sup>th</sup> day of the month following the end of each calendar quarter. The CD requires that the following be provided in each status report:

- The due dates and other terms that WASA is required to meet since the date of the last quarterly statement, whether and to what extent WASA has met these requirements, and the reasons for any noncompliance.
- A general description of the work completed within the three-month period, and a projection of work to be performed during the next three-month period.
- All other items as specified in Section V (Compliance Program and Schedules) of the CD including the status of the catch basin cleaning.

This report covers the months January through March 2008, which is Quarter No. 1 in 2008. Note that the CD requires posting certain information on WASA's web site, including the Combined Sewer System (CSS) Quarterly Reports. The web site addresses for these items are as follows:

- WASA's web site: [www.dcwasa.com](http://www.dcwasa.com)
- CSS Quarterly Reports on WASA's web site: <http://www.dcwasa.com/education/css/publicinformation.cfm>

## 2. REQUIREMENTS DUE IN CURRENT QUARTER

The following is a status report for requirements due in the current quarter:

REQUIREMENTS DUE IN CURRENT QUARTER			
Reference	Requirement	Due Date	Status
p. 12, V.10.e.i	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains.	Quarterly, following EPA's approval letter of 04/11/07	DCWASA issued NTP on November 1, 2007 for the design of the rehabilitation of the Outfall Sewers. WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

## 3. REQUIREMENTS DUE NEXT QUARTER

The following is a status report for requirements due in the next quarter.

REQUIREMENTS DUE NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 13, V.12.b. (iv)	<u>Main &amp; O Pumping Stations</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	05/01/08	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

#### 4. REQUIREMENTS DUE AFTER NEXT QUARTER

The following are requirements due after next quarter. Only those activities which are not addressed in prior tables are include

REQUIREMENTS DUE AFTER NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 15, V.12.e.(iv)	<u>Potomac Pumping Station</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacity of 460 mgd.	09/01/08	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 12, V.10.e.i	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains.	04/11/11	WASA is preparing detail design for preparation of construction documents to rehabilitate the Outfall Sewers in to convey 1076 mgd by the due date.
p. 16, V.12.i.	<u>Inspect the three 60-inch Anacostia Siphons</u> Inspect siphons at least once every ten (10) years and clean and repair as necessary.	07/01/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 23, V.16.b. (iii)(c)(ii)	<u>Public Notification – Notification lights</u> Place in Operation.	20 months after receipt of approvals August 21, 2008	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 29, IX.28	<u>Supplemental Environmental Project</u> Operate and Maintain.	5 yrs after placing in operation April 10, 2012	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 29, IX.27	<u>Supplemental Environmental Project</u> Submit SEP completion report.	5 yrs after placing in operation April 10, 2012	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

## 5. ON-GOING REQUIREMENTS

The following is a status report for requirements that are performed at periodic intervals at an on-going basis.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 4, II.3.	<u>Application and Scope</u> Provide a copy of the Consent Decree (CD) to any consultant or contractor selected to perform any activity required by the CD.	As required	Completed in Quarter No. 4, 2003. WASA will send additional letters and copies of the CD to affected Project Design Engineers (PDEs) as they are retained for other projects required by the CD.
p. 10, V.10.a.(iv)	<u>Replace Inflatable Dams</u> Operate and maintain all inflatable dams.	Ongoing after 04/01/04	Inspection and maintenance of the inflatable dams is performed monthly and is documented in the CSS Quarterly Report, Section 2.5, Table 2-11, which is available on WASA's web site. Wet weather operations are reported on Table 2-12.
p. 10, V.10.b.(i) (a-e)(ii) (d.)(iv)	<u>Tide Gate Repair &amp; Replacement</u> Operate and maintain all tide gates.	Ongoing after 10/10/03	Inspection and maintenance of the tide gates is performed monthly and is documented in the CSS Quarterly Report, Section 2.2, Table 2, which is available on WASA's web site.
p. 12, V.11.	<u>Pretreatment</u> Maintain and update the current pretreatment program as required by the Clean Water Act, Pretreatment Regulations, and the NPDES Permit.	Ongoing after 10/10/03	The Pretreatment Program is being maintained and updated. The program submits reports and updates annually to EPA.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 11, V.10.c.	<u>Maximization of Storage in the Collection System – Catch Basins</u> <ul style="list-style-type: none"> <li>○ Clean at least 85 % of the catch basins in CSS at least annually</li> <li>○ Inspect catch basins in CSO areas tributary to the Anacostia River at least two times per year and clean such basins more frequently as indicated by the inspections.</li> </ul>	Annually	Catch basin cleaning totals are reported in WASA's CSS Quarterly report, in Section 4, available on WASA's web site. Calendar year to date totals for this quarter are as follows:
			<div>Item</div> <div>No of Catch Basins</div> <div>% of Total</div> Catch Basin in CSS: 10,871 (1)
			Catch Basins in CSS Cleaned: 2,901 27%
			Catch Basins in Anacostia CSS: 5,954 (1)
			Catch Basins in Anacostia CSS Inspected Once: 1,903 32 %
			Catch Basins in Anacostia CSS Inspected Twice: 273 4 %
			Notes: (1) Catch basin quantities are estimated based on count of catch basins on sewer maps and on experience of field crews.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 13, V.12.a.(i) (ii)	<u>Maximization of Flow to the POTW for Treatment</u> Operate and maintain the collection system to maximize flow to Blue Plains and treat all flows conveyed to permit requirements.	Ongoing after 10/10/03	Operation and maintenance status of the collection system and pumping stations is reported in Section 2 of the CSS quarterly report, available on WASA's web site. The pumping stations and collection system have been operated to maximize the flow to Blue Plains within the constraints of the system. During the period covered by this report, the maximum hourly rate to Complete Treatment exceeded 511 mgd, the rate established as the limit for Phases 1 through 7 of the Blue Plains Liquid Process Improvement Program.
p.14.12.b. (v)	<u>Main and O Pumping Station</u> Maintain a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 14, V.12.c.(v)	<u>East Side Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 08/01/06	The number of pumps and screens available for service at East Side Pumping Station is reported in Section 2 of the CSS Quarterly Report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 14, V.12.d.(iv)	<u>Poplar Point Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 10/10/03	The number of pumps and screens available for service at Poplar Point Pumping Station is reported in Section 2 of the CSS Quarterly report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 15, V.12.e.(v)	<u>Potomac Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 460 mgd.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 17, V.13.b	<u>Facilitate Reports from Public of Dry Weather Overflows</u> <ul style="list-style-type: none"> <li>• Include DWO information on water/sewer bill inserts.</li> <li>• Staff and maintain phone line to receive reports on DWOs.</li> </ul>	Ongoing after 10/10/03	<ul style="list-style-type: none"> <li>• DWO information is included on all water/sewer bill inserts for CSO program.</li> <li>• Phone line and staff remain in operation to receive DWO reports.</li> </ul>



ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 18, V.14.	<u>Control of Solids and Floatable Material in CSOs</u> Conduct visual wet weather surveys at outfalls 009 through 012 to assess the extent of floatables discharged.	Ongoing after 10/10/03	Visual surveys completed in the quarter are included in Section 5 of the CSS Quarterly Report, which is available on WASA's web site, and is reported to EPA with the monthly NPDES report.
p. 18, V.15.	<u>Pollution Prevention Programs</u> Maintain the MS4 pollution prevention programs.	Ongoing after 10/10/03	The MS4 Pollution Prevention Program is being maintained and updated. The program produces an annual report
p. 18, V.15.	<u>Pollution Prevention Programs</u> Continue to periodically educate the public about pollution prevention through its newsletters and web site.	Ongoing after 10/10/03	Information about pollution prevention is included on WASA website. In addition, twice a year, informational pamphlets are included in the water/sewer bills mailed to citizens.
p. 19, V.16.a.(i)	<u>Public Notification – CSO Signs</u> Conduct monthly inspections of CSO warning signs and replace, repair or clear obstructions as required.	Monthly	Inspection and replacement of signs is documented in Section 2 of the CSS Quarterly Reports, available on WASA's web site.
p. 21, V.16.b.	<u>Public Notification – Web Site</u> Maintain general info on CSOs, 12 most current CSS Quarterly Reports, and annual/quarterly CSO discharge volumes.	Ongoing after 10/10/03	This information is on WASA's web site, and it is updated regularly.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	CSO informational pamphlets were distributed to citizens with their water/sewer bill twice in 2004, 2005, and 2006. A CSO informational pamphlet was distributed to citizens along with their water/sewer bill in April 2007 and October 2007.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	CSO informational pamphlets were mailed to local marinas twice in 2004, 2005, and 2006. A CSO informational pamphlet was mailed to local marinas in April 2007 and October 2007.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 24, V.17.a.	<u>Monitoring</u> Report CSO overflows at remote (SCADA-monitored) sites.	04/28/04	Information on CSO overflows reported at SCADA-monitored sites is included in Table 2-12 of the CSS Quarterly Reports, available on WASA's web site, and is reported to EPA with the monthly NPDES report.
p. 25, VII.19.(a). (b).(c)	<u>Reporting</u> Submit quarterly consent decree status reports.	28 <sup>th</sup> day of month after end of each calendar quarter	WASA submitted its first Quarterly Report on January 27, 2004 for Quarter No. 4 in 2003 and has submitted a report for each calendar quarter since. This report satisfies the latest reporting requirement.

## 6. REQUIREMENTS COMPLETED IN PRIOR QUARTERS

The following summarizes completed requirements reported in prior quarters.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 8, V.9.a.-j.	<u>Proper Operation and Regular Maintenance</u> Submit a written O&M program to EPA for review and comment but not approval.	06/30/04	Completed. Written O&M program submitted to EPA for review on 6/30/04.
p. 10, V.10.a.(iii)	<u>Replace Inflatable Dams</u> Replace all twelve existing inflatable dams and place all replacement dams in operation.	03/31/04	Completed. All inflatable dams were in operation as of 03/29/04 under Contract 01-0080 issued to Corman Construction Inc.
p. 10, V.10.b.(i) (a-e)(ii)(c.)	<u>Tide Gate Repair &amp; Replacement</u> Repair or replace tide gates at five CSO structures and place in operation.	11/10/03	Completed. All tide gates were placed in operation as of 08/29/03 under Contract 02-0070, Job Number AX01.
p. 11, V.10.d.	<u>Amendments to Sewer System Regulations</u> Recommend sewer regulation amendments to the D.C. Government to limit storm water inflow from any and all new construction and major renovations.	11/10/03	Completed. Three proposed code changes were submitted to the Council of the District of Columbia on October 22, 2003.
p. 14, V.12.b.(ii)	<u>Main &amp; O Pumping Station Rehab</u> Submit documents for required approvals to rehabilitate Main and O Street Pumping Stations to 240 and 45 mgd capacities.	03/01/04	Completed. Documents were submitted to DCRA and the Army Corps of Engineers by the deadline.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 13, V.12.b. (iii)	<u>Main &amp; O Pumping Stations</u> Award construction contract for rehabilitation.	04/01/05	Completed. Contract awarded to W.M. Schlosser Company, Inc. on February 23, 2005.
p. 14, V.12.c.(ii)	<u>East Side Pumping Station</u> Submit documents for the required approvals for the rehabilitation of Eastside Pumping Station to achieve a pumping capacity of 45 mgd.	08/01/04	Completed. Documents were submitted to DCRA on August 13, 2003.
p. 14, V.12.c.(iii)	<u>East Side Pumping Station</u> Award construction contract for rehabilitation.	08/01/04	Construction contract awarded 06/04/04 to Ulliman Schutte Construction, LLC
p. 14, V.12.c.(iv)	<u>East Side Pumping Station</u> Place in operation.	08/01/06	Completed. Pumps placed into service on July 21, 2006.
p. 15, V.12.d.(ii)	<u>Poplar Point Pumping Station</u> Submit pump test data to EPA demonstrating a pumping capacity of 45 mgd at Poplar Point Pumping Station.	11/10/03	Completed. Delivery of the package occurred on 12/02/03.
p. 15, V.12.e.	<u>Potomac Pumping Station Rehab</u> Submit documents for required approvals.	06/01/04	Completed. WASA submitted the Permit Application to DCRA on 5/21/04.
p. 15, V.12.e.(iii)	<u>Potomac Pumping Station</u> Award construction contract for rehabilitation.	09/01/05	Completed. Contract awarded to Ulliman Schutte Construction, LLC on March 14, 2005.
p. 16, V.12.f.(i)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Submit documents for required approvals to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	10/20/03	Completed. Building Permit issued 10/12/01.
p. 16, V.12.f.(ii)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Award construction contracts to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	07/31/03	Completed. Contract number 02-0130 awarded to W. M. Schlosser Co. Inc. on 07/17/03 for grit removal upgrades.
p. 16, V.12.f.(iii)	<u>Improvements at Blue Plains – Grit Chamber 1&amp;2 and Influent Screens.</u> Placed in operation	07/31/07	Completed on 07/27/07.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/06	Completed. CCTV completed by due date. No repair or cleaning was required.
p. 17, V.13.a. (i)-(iii)	<u>System Modifications to Prevent DWOs</u> Correct regulator and/or CSS deficiencies to address dry weather overflows at CSO outfalls 007, 027, 005, 020, 023, 015, 014, and 024 and place in operation.	12/31/03	<p>Completed. This item consists of replacement of regulator structures to reduce the likelihood of DWOs at the specified outfalls.</p> <p>Following facilities placed in operation by 11/24/03 under Contract 01-0020 to Corman Construction:</p> <ul style="list-style-type: none"> <li>• CSO 027 – Structure 43a , Potomac &amp; water St NW</li> <li>• CSO 005 – Structure 7, Railroad Ave &amp; W St SE</li> <li>• CSO 020 – Structure 34a, 23<sup>rd</sup> St near C St NW</li> <li>• CSO 014 – Structure 18, 6<sup>th</sup> and M St. SE</li> <li>• CSO 024 – Structure 38a, 30<sup>th</sup> St south of K St NW</li> </ul> <p>Following Structures placed in operation by 12/19/03 under contract to C&amp;F Construction</p> <ul style="list-style-type: none"> <li>• CSO 007 – Structure 9, 13<sup>th</sup> and Ridge SE</li> <li>• CSO 015 – Structure 19 &amp; 19a, 9<sup>th</sup> and M St SE</li> </ul> <p>The following work was completed by WASA prior to June 2003:</p> <ul style="list-style-type: none"> <li>• CSO 023 – Rock Creek P.S., install level sensor to indicate risk of DWO</li> </ul>
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Add DWO information to web site.	10/10/03	Completed. DWO information added to web site on 7/14/03.
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Include DWO information in a pamphlet with the sewer bill.	Semi-annually	<p>2004 – Completed in August and December.</p> <p>2005 – Completed in April and September.</p> <p>2006 – Completed in April and October.</p> <p>2007 – Completed in April and October.</p>

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Maintain a Customer Service Hotline with staff trained to receive DWO reports.	10/10/03	Completed. Customer Service Hotline made operational, staff trained 07/24/03, 08/27/03 and 08/28/03.
p.17 V.13.b and p.22 V.16.b	<u>Public Notification Requirements</u> WASA shall provide information pamphlets on CSO location and activity.	12/31/05	Semi-Annual information pamphlets were provided to the public; one distribution in April 2005 and another in September 2005. This completes this requirement.
p. 18, V.13.c.(ii) (iii)	<u>DWO Management Program</u> Provide video cameras and training to inspection staff.	10/10/03	Completed. Three JVC digital camcorders were purchased and received on 09/07/00 and training provided for inspection staff on 09/26/00.
p. 18, V.13.d.	<u>Control of Construction Debris</u> Improve coordination with the D.C. Department of the Environment (previously DOH) and the D.C. Department of Consumer and Regulatory Affairs for erosion/sediment control.	10/10/03	Completed. Letter sent to the respective agencies on 07/18/03 seeking to improve coordination regarding control of construction debris and the prevention of its entry into the sewer system. The letter lists opportunities for improvement and better coordination and provides contact personnel and telephone numbers.
p. 20, V.16.a. (ii)	<u>Public Notification; CSO Signs – National Park Service</u> Apply to the National Park Service (NPS) for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. John G. Parsons, Associate Regional Director, for NPS to install the signs. In their letter of 11/25/03, NPS denied approval for placement of new signs.
p. 20, V.16.a.(iii)	<u>CSO Signs – WASA Controlled Sites</u> Install two new signs at WASA controlled CSO outfalls: 009-012 and one sign each at CSO outfalls 001 and 003.	04/07/04	Completed. Signs installed 2/12/04.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – National Zoo</u> Apply to the National Zoo for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Marc M. Mueller, National Zoological Park Resident Engineer, to install the signs. The Zoo approved placement of new signs in their letter of 12/13/03.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – Navy Yard</u> Apply to the Navy Yard for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Thomas P. Lewis Chief, Environmental and Safety Division for the Navy Yard to install the signs. In their letter of 11/17/03, Navy Yard denied approval for placement of new signs.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 21, V.16.a. (iv)	<u>Public Notification; CSO Signs – Southeast Federal Center</u> Apply to Southeast Federal Center for a permit to install new CSO sign.	11/10/03	Completed. Made written application on 09/04/03 to Mr. Steven Richard, Director, Service Delivery Support Division for SE Federal Center to install the sign. In their letter of 12/19/03, SE Federal Center denied approval for placement of new signs.
p. 21, V.16.a.(iv)	<u>CSO Signs –National Zoo</u> Install new signs at CSO outfalls 041-045 after approval by National Zoo.	06/10/04	Completed. Signs installed 4/12/04.
pp. 21-22, V.16.b.(i) (a)-(g)	<u>Public Notification – Web site</u> Maintain accurate and up-to-date CSO information on the WASA web site as outlined in the CD.	10/10/03	Completed. Web site updated as outlined in the CD on 07/14/03 and quarterly thereafter.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	2004 – Completed in August and December. 2005 – Completed in April and September. 2006 – Completed in April and October. 2007 – Completed in April and October.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	2004 – Completed in August and December. 2005 – Completed in April and September. 2006 – Completed in April and October. 2007 – Completed in April and October.
p. 23, V.16.b.(iii) (c)(i)	<u>Public Notification - Notification lights</u> Submit documents for required approvals to install and operate CSO warning lights on the Anacostia and Potomac Rivers.	12/31/03	Completed.
p. 26, VIII.20.	<u>Civil Penalty</u> Pay a penalty of \$250,000 to the U. S. Department of Justice.	11/10/03	Completed. An electronic transfer of \$250,000 to the U.S. Department of Justice was performed on 11/10/03.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 27, IX.23.-30.	<u>Supplemental Environmental Projects (SEPs)</u> Submit to EPA detailed scope of work and exact location of SEP.	04/07/04	Completed. WASA submitted its proposed SEP on April 1, 2004. EPA provided comments in a May 18, 2004 letter and in a May 25, 2004 conference call. WASA submitted a revised scope of work addressing EPA's comments on August 23, 2004. WASA received EPA's written approval of the proposed SEP on January 24, 2005.
p. 27, IX.24	<u>Supplemental Environmental Project</u> Place in Operation.	04/10/07	Project placed in service 04/10/07.
p. 30, X.31.	<u>Citizen Community Project</u> Pay the Chesapeake Bay Foundation \$300,000 for the design, installation, and maintenance of green roof demonstration projects.	11/10/03	Completed. An electronic transfer of \$300,000 to the Chesapeake Bay Foundation was performed on 11/10/03.



**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**  
Serving the Public • Protecting the Environment

## **3-Party Consent Decree Status Report: Quarter No. 2- 2008**

Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)

**July 2008**



DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY  
Washington, D.C.

*3-Party Consent Decree Status Report*  
Quarter No.2 - 2008

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## 1. INTRODUCTION

The District of Columbia Water and Sewer Authority (WASA or Authority) entered into a Consent Decree (CD) with the U.S. Government and certain citizen plaintiffs to resolve allegations regarding the combined sewer system (CSS). The following consent decree was lodged with and entered by the court on June 25, 2003 and October 10, 2003, respectively:

United States District Court for the District of Columbia  
Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)  
Consent Decree

The CD requires that WASA submit written status reports to the Environmental Protection Agency (EPA) and the citizen plaintiffs by the 28<sup>th</sup> day of the month following the end of each calendar quarter. The CD requires that the following be provided in each status report:

- The due dates and other terms that WASA is required to meet since the date of the last quarterly statement, whether and to what extent WASA has met these requirements, and the reasons for any noncompliance.
- A general description of the work completed within the three-month period, and a projection of work to be performed during the next three-month period.
- All other items as specified in Section V (Compliance Program and Schedules) of the CD including the status of the catch basin cleaning.

This report covers the months April through June 2008, which is Quarter No. 2 in 2008. Note that the CD requires posting certain information on WASA's web site, including the Combined Sewer System (CSS) Quarterly Reports. The web site addresses for these items are as follows:

- WASA's web site: [www.dcwasa.com](http://www.dcwasa.com)
- CSS Quarterly Reports on WASA's web site: <http://www.dcwasa.com/education/css/publicinformation.cfm>

## 2. REQUIREMENTS DUE IN CURRENT QUARTER

The following is a status report for requirements due in the current quarter:

REQUIREMENTS DUE IN CURRENT QUARTER			
Reference	Requirement	Due Date	Status
p. 12, V.10.e.i	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains.	Quarterly, following EPA's approval letter of 04/11/07	DCWASA issued NTP on November 1, 2007 for the design of the rehabilitation of the Outfall Sewers. WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 13, V.12.b. (iv)	<u>Main &amp; O Pumping Stations</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	05/01/08	Completed. Written certification provided on April 16 <sup>th</sup> from Engineer of Record to WASA confirming that the pumping equipment and ancillary systems installed at each station satisfied the requirements set forth in the consent decree.

### 3. REQUIREMENTS DUE NEXT QUARTER

The following is a status report for requirements due in the next quarter.

REQUIREMENTS DUE NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 15, V.12.e.(iv)	<u>Potomac Pumping Station</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacity of 460 mgd.	09/01/08	<p>On June 25<sup>th</sup>, during a routine restart of the new pump #1, WASA staff detected a burning smell from the electric motor. On June 27<sup>th</sup>, field representatives of the motor manufacturer were on-site to investigate the problem. The cause of the burning smell could not be determined during the field investigation however, and the manufacturer required the motor to be returned to the factory for disassembly, inspection and service, where it arrived on July 7<sup>th</sup>. WASA will provide the results of the investigation when the report is received from the manufacturer. The details of the pump motor problems are described in a July 11<sup>th</sup> letter provided by WASA.</p> <p>In addition, the field engineers have encountered problems certifying the hydraulic capacities of the pumping equipment which may be due to the accuracy of the field measuring equipment or field conditions being different from the factory test conditions that certified the pumping equipment. Experts from the design engineering firm, the pump manufacturer and an independent expert hired by DCWASA are assisting with the investigation. WASA will provide the results of the investigation when the report is received. The details of the performance certification issue are described in a July 11<sup>th</sup> letter provided by WASA.</p>
p. 23, V.16.b. (iii)(c)(ii)	<u>Public Notification – Notification lights</u> Place in Operation.	20 months after receipt of approvals August 21, 2008	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

#### 4. REQUIREMENTS DUE AFTER NEXT QUARTER

The following are requirements due after next quarter. Only those activities which are not addressed in prior tables are include

REQUIREMENTS DUE AFTER NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 12, V.10.e.i	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains.	04/11/11	WASA is preparing detail design for preparation of construction documents to rehabilitate the Outfall Sewers in to convey 1076 mgd by the due date.
p. 16, V.12.i.	<u>Inspect the three 60-inch Anacostia Siphons</u> Inspect siphons at least once every ten (10) years and clean and repair as necessary.	07/01/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 29, IX.28	<u>Supplemental Environmental Project</u> Operate and Maintain.	5 yrs after placing in operation April 10, 2012	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 29, IX.27	<u>Supplemental Environmental Project</u> Submit SEP completion report.	5 yrs after placing in operation April 10, 2012	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

## 5. ON-GOING REQUIREMENTS

The following is a status report for requirements that are performed at periodic intervals at an on-going basis.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 4, II.3.	<u>Application and Scope</u> Provide a copy of the Consent Decree (CD) to any consultant or contractor selected to perform any activity required by the CD.	As required	Completed in Quarter No. 4, 2003. WASA will send additional letters and copies of the CD to affected Project Design Engineers (PDEs) as they are retained for other projects required by the CD.
p. 10, V.10.a.(iv)	<u>Replace Inflatable Dams</u> Operate and maintain all inflatable dams.	Ongoing after 04/01/04	Inspection and maintenance of the inflatable dams is performed monthly and is documented in the CSS Quarterly Report, Section 2.5, Table 2-11, which is available on WASA's web site. Wet weather operations are reported on Table 2-12.
p. 10, V.10.b.(i) (a-e)(ii) (d.)(iv)	<u>Tide Gate Repair &amp; Replacement</u> Operate and maintain all tide gates.	Ongoing after 10/10/03	Inspection and maintenance of the tide gates is performed monthly and is documented in the CSS Quarterly Report, Section 2.2, Table 2, which is available on WASA's web site.
p. 12, V.11.	<u>Pretreatment</u> Maintain and update the current pretreatment program as required by the Clean Water Act, Pretreatment Regulations, and the NPDES Permit.	Ongoing after 10/10/03	The Pretreatment Program is being maintained and updated. The program submits reports and updates annually to EPA.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 11, V.10.c.	<u>Maximization of Storage in the Collection System – Catch Basins</u> <ul style="list-style-type: none"> <li>○ Clean at least 85 % of the catch basins in CSS at least annually</li> <li>○ Inspect catch basins in CSO areas tributary to the Anacostia River at least two times per year and clean such basins more frequently as indicated by the inspections.</li> </ul>	Annually	Catch basin cleaning totals are reported in WASA's CSS Quarterly report, in Section 4, available on WASA's web site. Calendar year to date totals for this quarter are as follows:
			<div>Item</div> <div>No of Catch Basins</div> <div>% of Total</div> Catch Basin in CSS: 10,871 (1)  Catch Basins in CSS Cleaned: 8,767 81%  Catch Basins in Anacostia CSS: 5,954 (1)  Catch Basins in Anacostia CSS Inspected Once: 5,788 97 %  Catch Basins in Anacostia CSS Inspected Twice: 3,051 51 %
			Notes: (1) Catch basin quantities are estimated based on count of catch basins on sewer maps and on experience of field crews.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 13, V.12.a.(i) (ii)	<u>Maximization of Flow to the POTW for Treatment</u> Operate and maintain the collection system to maximize flow to Blue Plains and treat all flows conveyed to permit requirements.	Ongoing after 10/10/03	Operation and maintenance status of the collection system and pumping stations is reported in Section 2 of the CSS quarterly report, available on WASA's web site. The pumping stations and collection system have been operated to maximize the flow to Blue Plains within the constraints of the system. During the period covered by this report, the maximum hourly rate to Complete Treatment exceeded 511 mgd, the rate established as the limit for Phases 1 through 7 of the Blue Plains Liquid Process Improvement Program.
p.14.12.b. (v)	<u>Main and O Pumping Station</u> Maintain a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	Ongoing after 04/16/08	The number of pumps and screens available for service at Main and O Pumping Station is reported in Section 2 of the CSS Quarterly Report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 14, V.12.c.(v)	<u>East Side Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 08/01/06	The number of pumps and screens available for service at East Side Pumping Station is reported in Section 2 of the CSS Quarterly Report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 14, V.12.d.(iv)	<u>Poplar Point Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 10/10/03	The number of pumps and screens available for service at Poplar Point Pumping Station is reported in Section 2 of the CSS Quarterly report, available at WASA's web site. The report shows that the station had 2 pumps Out of Service from 5/1/08 to 6/8/08 due to mechanical failure. Portable pumping equipment was provided during this period to maintain the pumping station's firm capacity for the period covered by this report.
p. 15, V.12.e.(v)	<u>Potomac Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 460 mgd.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.



ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 17, V.13.b	<u>Facilitate Reports from Public of Dry Weather Overflows</u> <ul style="list-style-type: none"> <li>• Include DWO information on water/sewer bill inserts.</li> <li>• Staff and maintain phone line to receive reports on DWOs.</li> </ul>	Ongoing after 10/10/03	<ul style="list-style-type: none"> <li>• DWO information is included on all water/sewer bill inserts for CSO program.</li> <li>• Phone line and staff remain in operation to receive DWO reports.</li> </ul>
p. 18, V.14.	<u>Control of Solids and Floatable Material in CSOs</u> Conduct visual wet weather surveys at outfalls 009 through 012 to assess the extent of floatables discharged.	Ongoing after 10/10/03	Visual surveys completed in the quarter are included in Section 5 of the CSS Quarterly Report, which is available on WASA's web site, and is reported to EPA with the monthly NPDES report.
p. 18, V.15.	<u>Pollution Prevention Programs</u> Maintain the MS4 pollution prevention programs.	Ongoing after 10/10/03	The MS4 Pollution Prevention Program is being maintained and updated. The program produces an annual report
p. 18, V.15.	<u>Pollution Prevention Programs</u> Continue to periodically educate the public about pollution prevention through its newsletters and web site.	Ongoing after 10/10/03	Information about pollution prevention is included on WASA website. In addition, twice a year, informational pamphlets are included in the water/sewer bills mailed to citizens.
p. 19, V.16.a.(i)	<u>Public Notification – CSO Signs</u> Conduct monthly inspections of CSO warning signs and replace, repair or clear obstructions as required.	Monthly	Inspection and replacement of signs is documented in Section 2 of the CSS Quarterly Reports, available on WASA's web site.
p. 21, V.16.b.	<u>Public Notification – Web Site</u> Maintain general info on CSOs, 12 most current CSS Quarterly Reports, and annual/quarterly CSO discharge volumes.	Ongoing after 10/10/03	This information is on WASA's web site, and it is updated regularly.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	CSO informational pamphlets were distributed to citizens with their water/sewer bill twice in 2004, 2005, 2006 and 2007. A CSO informational pamphlet was distributed to citizens along with their water/sewer bill in April 2008.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	CSO informational pamphlets were mailed to local marinas twice in 2004, 2005, 2006, and 2007. A CSO informational pamphlet was mailed to local marinas in April 2008.
p. 24, V.17.a.	<u>Monitoring</u> Report CSO overflows at remote (SCADA-monitored) sites.	04/28/04	Information on CSO overflows reported at SCADA-monitored sites is included in Table 2-12 of the CSS Quarterly Reports, available on WASA's web site, and is reported to EPA with the monthly NPDES report.
p. 25, VII.19.(a). (b).(c)	<u>Reporting</u> Submit quarterly consent decree status reports.	28 <sup>th</sup> day of month after end of each calendar quarter	WASA submitted its first Quarterly Report on January 27, 2004 for Quarter No. 4 in 2003 and has submitted a report for each calendar quarter since. This report satisfies the latest reporting requirement.

## 6. REQUIREMENTS COMPLETED IN PRIOR QUARTERS

The following summarizes completed requirements reported in prior quarters.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 8, V.9.a.-j.	<u>Proper Operation and Regular Maintenance</u> Submit a written O&M program to EPA for review and comment but not approval.	06/30/04	Completed. Written O&M program submitted to EPA for review on 6/30/04.
p. 10, V.10.a.(iii)	<u>Replace Inflatable Dams</u> Replace all twelve existing inflatable dams and place all replacement dams in operation.	03/31/04	Completed. All inflatable dams were in operation as of 03/29/04 under Contract 01-0080 issued to Corman Construction Inc.
p. 10, V.10.b.(i) (a-e)(ii)(c.)	<u>Tide Gate Repair &amp; Replacement</u> Repair or replace tide gates at five CSO structures and place in operation.	11/10/03	Completed. All tide gates were placed in operation as of 08/29/03 under Contract 02-0070, Job Number AX01.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 11, V.10.d.	<u>Amendments to Sewer System Regulations</u> Recommend sewer regulation amendments to the D.C. Government to limit storm water inflow from any and all new construction and major renovations.	11/10/03	Completed. Three proposed code changes were submitted to the Council of the District of Columbia on October 22, 2003.
p. 14, V.12.b.(ii)	<u>Main &amp; O Pumping Station Rehab</u> Submit documents for required approvals to rehabilitate Main and O Street Pumping Stations to 240 and 45 mgd capacities.	03/01/04	Completed. Documents were submitted to DCRA and the Army Corps of Engineers by the deadline.
p. 13, V.12.b. (iii)	<u>Main &amp; O Pumping Stations</u> Award construction contract for rehabilitation.	04/01/05	Completed. Contract awarded to W.M. Schlosser Company, Inc. on February 23, 2005.
p. 14, V.12.c.(ii)	<u>East Side Pumping Station</u> Submit documents for the required approvals for the rehabilitation of Eastside Pumping Station to achieve a pumping capacity of 45 mgd.	08/01/04	Completed. Documents were submitted to DCRA on August 13, 2003.
p. 14, V.12.c.(iii)	<u>East Side Pumping Station</u> Award construction contract for rehabilitation.	08/01/04	Construction contract awarded 06/04/04 to Ulliman Schutte Construction, LLC
p. 14, V.12.c.(iv)	<u>East Side Pumping Station</u> Place in operation.	08/01/06	Completed. Pumps placed into service on July 21, 2006.
p. 15, V.12.d.(ii)	<u>Poplar Point Pumping Station</u> Submit pump test data to EPA demonstrating a pumping capacity of 45 mgd at Poplar Point Pumping Station.	11/10/03	Completed. Delivery of the package occurred on 12/02/03.
p. 15, V.12.e.	<u>Potomac Pumping Station Rehab</u> Submit documents for required approvals.	06/01/04	Completed. WASA submitted the Permit Application to DCRA on 5/21/04.
p. 15, V.12.e.(iii)	<u>Potomac Pumping Station</u> Award construction contract for rehabilitation.	09/01/05	Completed. Contract awarded to Ulliman Schutte Construction, LLC on March 14, 2005.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 16, V.12.f.(i)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Submit documents for required approvals to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	10/20/03	Completed. Building Permit issued 10/12/01.
p. 16, V.12.f.(ii)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Award construction contracts to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	07/31/03	Completed. Contract number 02-0130 awarded to W. M. Schlosser Co. Inc. on 07/17/03 for grit removal upgrades.
p. 16, V.12.f.(iii)	<u>Improvements at Blue Plains – Grit Chamber 1&amp;2 and Influent Screens.</u> Placed in operation	07/31/07	Completed on 07/27/07.
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/06	Completed. CCTV completed by due date. No repair or cleaning was required.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 17, V.13.a. (i)-(iii)	<u>System Modifications to Prevent DWOs</u> Correct regulator and/or CSS deficiencies to address dry weather overflows at CSO outfalls 007, 027, 005, 020, 023, 015, 014, and 024 and place in operation.	12/31/03	<p>Completed. This item consists of replacement of regulator structures to reduce the likelihood of DWOs at the specified outfalls.</p> <p>Following facilities placed in operation by 11/24/03 under Contract 01-0020 to Corman Construction:</p> <ul style="list-style-type: none"> <li>• CSO 027 – Structure 43a , Potomac &amp; water St NW</li> <li>• CSO 005 – Structure 7, Railroad Ave &amp; W St SE</li> <li>• CSO 020 – Structure 34a, 23<sup>rd</sup> St near C St NW</li> <li>• CSO 014 – Structure 18, 6<sup>th</sup> and M St. SE</li> <li>• CSO 024 – Structure 38a, 30<sup>th</sup> St south of K St NW</li> </ul> <p>Following Structures placed in operation by 12/19/03 under contract to C&amp;F Construction</p> <ul style="list-style-type: none"> <li>• CSO 007 – Structure 9, 13<sup>th</sup> and Ridge SE</li> <li>• CSO 015 – Structure 19 &amp; 19a, 9<sup>th</sup> and M St SE</li> </ul> <p>The following work was completed by WASA prior to June 2003:</p> <ul style="list-style-type: none"> <li>• CSO 023 – Rock Creek P.S., install level sensor to indicate risk of DWO</li> </ul>
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Add DWO information to web site.	10/10/03	Completed. DWO information added to web site on 7/14/03.
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Include DWO information in a pamphlet with the sewer bill.	Semi-annually	<p>2004 – Completed in August and December.</p> <p>2005 – Completed in April and September.</p> <p>2006 – Completed in April and October.</p> <p>2007 – Completed in April and October.</p> <p>2008 – Completed in April</p>
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Maintain a Customer Service Hotline with staff trained to receive DWO reports.	10/10/03	Completed. Customer Service Hotline made operational, staff trained 07/24/03, 08/27/03 and 08/28/03.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p.17 V.13.b and p.22 V.16.b	<u>Public Notification Requirements</u> WASA shall provide information pamphlets on CSO location and activity.	12/31/05	Semi-Annual information pamphlets were provided to the public; one distribution in April 2005 and another in September 2005. This completes this requirement.
p. 18, V.13.c.(ii) (iii)	<u>DWO Management Program</u> Provide video cameras and training to inspection staff.	10/10/03	Completed. Three JVC digital camcorders were purchased and received on 09/07/00 and training provided for inspection staff on 09/26/00.
p. 18, V.13.d.	<u>Control of Construction Debris</u> Improve coordination with the D.C. Department of the Environment (previously DOH) and the D.C. Department of Consumer and Regulatory Affairs for erosion/sediment control.	10/10/03	Completed. Letter sent to the respective agencies on 07/18/03 seeking to improve coordination regarding control of construction debris and the prevention of its entry into the sewer system. The letter lists opportunities for improvement and better coordination and provides contact personnel and telephone numbers.
p. 20, V.16.a. (ii)	<u>Public Notification; CSO Signs – National Park Service</u> Apply to the National Park Service (NPS) for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. John G. Parsons, Associate Regional Director, for NPS to install the signs. In their letter of 11/25/03, NPS denied approval for placement of new signs.
p. 20, V.16.a.(iii)	<u>CSO Signs – WASA Controlled Sites</u> Install two new signs at WASA controlled CSO outfalls: 009-012 and one sign each at CSO outfalls 001 and 003.	04/07/04	Completed. Signs installed 2/12/04.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – National Zoo</u> Apply to the National Zoo for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Marc M. Mueller, National Zoological Park Resident Engineer, to install the signs. The Zoo approved placement of new signs in their letter of 12/13/03.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – Navy Yard</u> Apply to the Navy Yard for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Thomas P. Lewis Chief, Environmental and Safety Division for the Navy Yard to install the signs. In their letter of 11/17/03, Navy Yard denied approval for placement of new signs.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 21, V.16.a. (iv)	<u>Public Notification; CSO Signs – Southeast Federal Center</u> Apply to Southeast Federal Center for a permit to install new CSO sign.	11/10/03	Completed. Made written application on 09/04/03 to Mr. Steven Richard, Director, Service Delivery Support Division for SE Federal Center to install the sign. In their letter of 12/19/03, SE Federal Center denied approval for placement of new signs.
p. 21, V.16.a.(iv)	<u>CSO Signs –National Zoo</u> Install new signs at CSO outfalls 041-045 after approval by National Zoo.	06/10/04	Completed. Signs installed 4/12/04.
pp. 21-22, V.16.b.(i) (a)-(g)	<u>Public Notification – Web site</u> Maintain accurate and up-to-date CSO information on the WASA web site as outlined in the CD.	10/10/03	Completed. Web site updated as outlined in the CD on 07/14/03 and quarterly thereafter.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	2004 – Completed in August and December. 2005 – Completed in April and September. 2006 – Completed in April and October. 2007 – Completed in April and October. 2008 – Completed in April
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	2004 – Completed in August and December. 2005 – Completed in April and September. 2006 – Completed in April and October. 2007 – Completed in April and October. 2008 – Completed in April
p. 23, V.16.b.(iii) (c)(i)	<u>Public Notification - Notification lights</u> Submit documents for required approvals to install and operate CSO warning lights on the Anacostia and Potomac Rivers.	12/31/03	Completed.
p. 26, VIII.20.	<u>Civil Penalty</u> Pay a penalty of \$250,000 to the U. S. Department of Justice.	11/10/03	Completed. An electronic transfer of \$250,000 to the U.S. Department of Justice was performed on 11/10/03.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 27, IX.23.-30.	<u>Supplemental Environmental Projects (SEPs)</u> Submit to EPA detailed scope of work and exact location of SEP.	04/07/04	Completed. WASA submitted its proposed SEP on April 1, 2004. EPA provided comments in a May 18, 2004 letter and in a May 25, 2004 conference call. WASA submitted a revised scope of work addressing EPA's comments on August 23, 2004. WASA received EPA's written approval of the proposed SEP on January 24, 2005.
p. 27, IX.24	<u>Supplemental Environmental Project</u> Place in Operation.	04/10/07	Project placed in service 04/10/07.
p. 30, X.31.	<u>Citizen Community Project</u> Pay the Chesapeake Bay Foundation \$300,000 for the design, installation, and maintenance of green roof demonstration projects.	11/10/03	Completed. An electronic transfer of \$300,000 to the Chesapeake Bay Foundation was performed on 11/10/03.





**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**  
Serving the Public • Protecting the Environment

## **3-Party Consent Decree Status Report: Quarter No. 3- 2008**

Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)

**October 2008**

DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY  
Washington, D.C.

*3-Party Consent Decree Status Report*  
Quarter No.3 - 2008

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6. REQUIREMENTS COMPLETED IN PRIOR QUARTERS

## 1. INTRODUCTION

The District of Columbia Water and Sewer Authority (WASA or Authority) entered into a Consent Decree (CD) with the U.S. Government and certain citizen plaintiffs to resolve allegations regarding the combined sewer system (CSS). The following consent decree was lodged with and entered by the court on June 25, 2003 and October 10, 2003, respectively:

United States District Court for the District of Columbia  
Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)  
Consent Decree

The CD requires that WASA submit written status reports to the Environmental Protection Agency (EPA) and the citizen plaintiffs by the 28<sup>th</sup> day of the month following the end of each calendar quarter. The CD requires that the following be provided in each status report:

- The due dates and other terms that WASA is required to meet since the date of the last quarterly statement, whether and to what extent WASA has met these requirements, and the reasons for any noncompliance.
- A general description of the work completed within the three-month period, and a projection of work to be performed during the next three-month period.
- All other items as specified in Section V (Compliance Program and Schedules) of the CD including the status of the catch basin cleaning.

This report covers the months July through September 2008, which is Quarter No. 3 in 2008. Note that the CD requires posting certain information on WASA's web site, including the Combined Sewer System (CSS) Quarterly Reports. The web site addresses for these items are as follows:

- WASA's web site: [www.dcwasa.com](http://www.dcwasa.com)
- CSS Quarterly Reports on WASA's web site: <http://www.dcwasa.com/education/css/publicinformation.cfm>

## 2. REQUIREMENTS DUE IN CURRENT QUARTER

The following is a status report for requirements due in the current quarter:

REQUIREMENTS DUE IN CURRENT QUARTER			
Reference	Requirement	Due Date	Status
p. 12, V.10.e.i	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains.	Quarterly, following EPA's approval letter of 04/11/07	DCWASA issued NTP on November 1, 2007 for the design of the rehabilitation of the Outfall Sewers. Pre-Final design drawings are currently under review for comment. WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 15, V.12.e.(iv)	<u>Potomac Pumping Station</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacity of 460 mgd.	09/01/08	Required equipment has been installed and placed in service. DCWASA issued a letter to the consent decree parties describing problems encountered with certifying the hydraulic capacities of the pumping station. Pumping specialists were contracted with WASA to determine the possible causes of the problems and a course of action to obtain the hydraulic certification for the pumping station. A detailed plan of action with milestones is being conducted and the results will be updated in the next report.
p. 23, V.16.b. (iii)(c)(ii)	<u>Public Notification – Notification lights</u> Place in Operation.	20 months after receipt of approvals August 21, 2008	Completed. Written certification provided on August 6 <sup>th</sup> from Engineering Program Manager confirming that the CSO Event Indicator Lights were place in operation on August 4 <sup>th</sup> in compliance with the requirements set forth in the consent decree.

### 3. REQUIREMENTS DUE NEXT QUARTER

The following is a status report for requirements due in the next quarter.

REQUIREMENTS DUE NEXT QUARTER			
Reference	Requirement	Due Date	Status
NONE			

### 4. REQUIREMENTS DUE AFTER NEXT QUARTER

The following are requirements due after next quarter. Only those activities which are not addressed in prior tables are include

REQUIREMENTS DUE AFTER NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 12, V.10.e.i	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains.	04/11/11	WASA is preparing detail design for preparation of construction documents to rehabilitate the Outfall Sewers in to convey 1076 mgd by the due date.
p. 16, V.12.i.	<u>Inspect the three 60-inch Anacostia Siphons</u> Inspect siphons at least once every ten (10) years and clean and repair as necessary.	07/01/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 29, IX.28	<u>Supplemental Environmental Project</u> Operate and Maintain.	5 yrs after placing in operation April 10, 2012	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 29, IX.27	<u>Supplemental Environmental Project</u> Submit SEP completion report.	5 yrs after placing in operation April 10, 2012	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

## 5. ON-GOING REQUIREMENTS

The following is a status report for requirements that are performed at periodic intervals at an on-going basis.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 4, II.3.	<u>Application and Scope</u> Provide a copy of the Consent Decree (CD) to any consultant or contractor selected to perform any activity required by the CD.	As required	Completed in Quarter No. 4, 2003. WASA will send additional letters and copies of the CD to affected Project Design Engineers (PDEs) as they are retained for other projects required by the CD.
p. 10, V.10.a.(iv)	<u>Replace Inflatable Dams</u> Operate and maintain all inflatable dams.	Ongoing after 04/01/04	Inspection and maintenance of the inflatable dams is performed monthly and is documented in the CSS Quarterly Report, Section 2.5, Table 2-11, which is available on WASA's web site. Wet weather operations are reported on Table 2-12.
p. 10, V.10.b.(i) (a-e)(ii) (d.)(iv)	<u>Tide Gate Repair &amp; Replacement</u> Operate and maintain all tide gates.	Ongoing after 10/10/03	Inspection and maintenance of the tide gates is performed monthly and is documented in the CSS Quarterly Report, Section 2.2, Table 2, which is available on WASA's web site.
p. 12, V.11.	<u>Pretreatment</u> Maintain and update the current pretreatment program as required by the Clean Water Act, Pretreatment Regulations, and the NPDES Permit.	Ongoing after 10/10/03	The Pretreatment Program is being maintained and updated. The program submits reports and updates annually to EPA.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 11, V.10.c.	<u>Maximization of Storage in the Collection System – Catch Basins</u> <ul style="list-style-type: none"> <li>○ Clean at least 85 % of the catch basins in CSS at least annually</li> <li>○ Inspect catch basins in CSO areas tributary to the Anacostia River at least two times per year and clean such basins more frequently as indicated by the inspections.</li> </ul>	Annually	Catch basin cleaning totals are reported in WASA's CSS Quarterly report, in Section 4, available on WASA's web site. Calendar year to date totals for this quarter are as follows:
			<div>Item</div> <div>No of Catch Basins</div> <div>% of Total</div> Catch Basin in CSS: 10,871 (1)
			Catch Basins in CSS Cleaned: 11,598 106.7%
			Catch Basins in Anacostia CSS: 5,954 (1)
			Catch Basins in Anacostia CSS Inspected Once: 5,954 100 %
			Catch Basins in Anacostia CSS Inspected Twice: 5,594 100 %
			Notes: (1) Catch basin quantities are estimated based on count of catch basins on sewer maps and on experience of field crews.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 13, V.12.a.(i) (ii)	<u>Maximization of Flow to the POTW for Treatment</u> Operate and maintain the collection system to maximize flow to Blue Plains and treat all flows conveyed to permit requirements.	Ongoing after 10/10/03	Operation and maintenance status of the collection system and pumping stations is reported in Section 2 of the CSS quarterly report, available on WASA's web site. The pumping stations and collection system have been operated to maximize the flow to Blue Plains within the constraints of the system. During the period covered by this report, the maximum hourly rate to Complete Treatment exceeded 511 mgd, the rate established as the limit for Phases 1 through 7 of the Blue Plains Liquid Process Improvement Program.
p.14.12.b. (v)	<u>Main and O Pumping Station</u> Maintain a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	Ongoing after 04/16/08	The number of pumps and screens available for service at Main and O Pumping Station is reported in Section 2 of the CSS Quarterly Report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 14, V.12.c.(v)	<u>East Side Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 08/01/06	The number of pumps and screens available for service at East Side Pumping Station is reported in Section 2 of the CSS Quarterly Report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 14, V.12.d.(iv)	<u>Poplar Point Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 10/10/03	The number of pumps and screens available for service at Poplar Point Pumping Station is reported in Section 2 of the CSS Quarterly report, available at WASA's web site. The report shows that the station had 2 pumps Out of Service from 5/1/08 to 6/8/08 due to mechanical failure. Portable pumping equipment was provided during this period to maintain the pumping station's firm capacity for the period covered by this report.
p. 15, V.12.e.(v)	<u>Potomac Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 460 mgd.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.



ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 17, V.13.b	<u>Facilitate Reports from Public of Dry Weather Overflows</u> <ul style="list-style-type: none"> <li>• Include DWO information on water/sewer bill inserts.</li> <li>• Staff and maintain phone line to receive reports on DWOs.</li> </ul>	Ongoing after 10/10/03	<ul style="list-style-type: none"> <li>• DWO information is included on all water/sewer bill inserts for CSO program.</li> <li>• Phone line and staff remain in operation to receive DWO reports.</li> </ul>
p. 18, V.14.	<u>Control of Solids and Floatable Material in CSOs</u> Conduct visual wet weather surveys at outfalls 009 through 012 to assess the extent of floatables discharged.	Ongoing after 10/10/03	Visual surveys completed in the quarter are included in Section 5 of the CSS Quarterly Report, which is available on WASA's web site, and is reported to EPA with the monthly NPDES report.
p. 18, V.15.	<u>Pollution Prevention Programs</u> Maintain the MS4 pollution prevention programs.	Ongoing after 10/10/03	The MS4 Pollution Prevention Program is being maintained and updated. The program produces an annual report
p. 18, V.15.	<u>Pollution Prevention Programs</u> Continue to periodically educate the public about pollution prevention through its newsletters and web site.	Ongoing after 10/10/03	Information about pollution prevention is included on WASA website. In addition, twice a year, informational pamphlets are included in the water/sewer bills mailed to citizens.
p. 19, V.16.a.(i)	<u>Public Notification – CSO Signs</u> Conduct monthly inspections of CSO warning signs and replace, repair or clear obstructions as required.	Monthly	Inspection and replacement of signs is documented in Section 2 of the CSS Quarterly Reports, available on WASA's web site.
p. 21, V.16.b.	<u>Public Notification – Web Site</u> Maintain general info on CSOs, 12 most current CSS Quarterly Reports, and annual/quarterly CSO discharge volumes.	Ongoing after 10/10/03	This information is on WASA's web site, and it is updated regularly.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	CSO informational pamphlets were distributed to citizens with their water/sewer bill twice in 2004, 2005, 2006 and 2007. A CSO informational pamphlet was distributed to citizens along with their water/sewer bill in April 2008.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	CSO informational pamphlets were mailed to local marinas twice in 2004, 2005, 2006, and 2007. A CSO informational pamphlet was mailed to local marinas in April 2008.
p. 24, V.17.a.	<u>Monitoring</u> Report CSO overflows at remote (SCADA-monitored) sites.	04/28/04	Information on CSO overflows reported at SCADA-monitored sites is included in Table 2-12 of the CSS Quarterly Reports, available on WASA's web site, and is reported to EPA with the monthly NPDES report.
p. 25, VII.19.(a). (b).(c)	<u>Reporting</u> Submit quarterly consent decree status reports.	28 <sup>th</sup> day of month after end of each calendar quarter	WASA submitted its first Quarterly Report on January 27, 2004 for Quarter No. 4 in 2003 and has submitted a report for each calendar quarter since. This report satisfies the latest reporting requirement.

## 6. REQUIREMENTS COMPLETED IN PRIOR QUARTERS

The following summarizes completed requirements reported in prior quarters.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 8, V.9.a.-j.	<u>Proper Operation and Regular Maintenance</u> Submit a written O&M program to EPA for review and comment but not approval.	06/30/04	Completed. Written O&M program submitted to EPA for review on 6/30/04.
p. 10, V.10.a.(iii)	<u>Replace Inflatable Dams</u> Replace all twelve existing inflatable dams and place all replacement dams in operation.	03/31/04	Completed. All inflatable dams were in operation as of 03/29/04 under Contract 01-0080 issued to Corman Construction Inc.
p. 10, V.10.b.(i) (a-e)(ii)(c.)	<u>Tide Gate Repair &amp; Replacement</u> Repair or replace tide gates at five CSO structures and place in operation.	11/10/03	Completed. All tide gates were placed in operation as of 08/29/03 under Contract 02-0070, Job Number AX01.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 11, V.10.d.	<u>Amendments to Sewer System Regulations</u> Recommend sewer regulation amendments to the D.C. Government to limit storm water inflow from any and all new construction and major renovations.	11/10/03	Completed. Three proposed code changes were submitted to the Council of the District of Columbia on October 22, 2003.
p. 14, V.12.b.(ii)	<u>Main &amp; O Pumping Station Rehab</u> Submit documents for required approvals to rehabilitate Main and O Street Pumping Stations to 240 and 45 mgd capacities.	03/01/04	Completed. Documents were submitted to DCRA and the Army Corps of Engineers by the deadline.
p. 13, V.12.b. (iii)	<u>Main &amp; O Pumping Stations</u> Award construction contract for rehabilitation.	04/01/05	Completed. Contract awarded to W.M. Schlosser Company, Inc. on February 23, 2005.
p. 13, V.12.b. (iv)	<u>Main &amp; O Pumping Stations</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	05/01/08	Completed. Written certification provided on April 16, 2008 from Engineer of Record to WASA confirming that the pumping equipment and ancillary systems installed at each station satisfied the requirements set forth in the consent decree.
p. 14, V.12.c.(ii)	<u>East Side Pumping Station</u> Submit documents for the required approvals for the rehabilitation of Eastside Pumping Station to achieve a pumping capacity of 45 mgd.	08/01/04	Completed. Documents were submitted to DCRA on August 13, 2003.
p. 14, V.12.c.(iii)	<u>East Side Pumping Station</u> Award construction contract for rehabilitation.	08/01/04	Construction contract awarded 06/04/04 to Ulliman Schutte Construction, LLC
p. 14, V.12.c.(iv)	<u>East Side Pumping Station</u> Place in operation.	08/01/06	Completed. Pumps placed into service on July 21, 2006.
p. 15, V.12.d.(ii)	<u>Poplar Point Pumping Station</u> Submit pump test data to EPA demonstrating a pumping capacity of 45 mgd at Poplar Point Pumping Station.	11/10/03	Completed. Delivery of the package occurred on 12/02/03.
p. 15, V.12.e.	<u>Potomac Pumping Station Rehab</u> Submit documents for required approvals.	06/01/04	Completed. WASA submitted the Permit Application to DCRA on 5/21/04.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 15, V.12.e.(iii)	<u>Potomac Pumping Station</u> Award construction contract for rehabilitation.	09/01/05	Completed. Contract awarded to Ulliman Schutte Construction, LLC on March 14, 2005.
p. 16, V.12.f.(i)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Submit documents for required approvals to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	10/20/03	Completed. Building Permit issued 10/12/01.
p. 16, V.12.f.(ii)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Award construction contracts to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	07/31/03	Completed. Contract number 02-0130 awarded to W. M. Schlosser Co. Inc. on 07/17/03 for grit removal upgrades.
p. 16, V.12.f.(iii)	<u>Improvements at Blue Plains – Grit Chamber 1&amp;2 and Influent Screens.</u> Placed in operation	07/31/07	Completed on 07/27/07.
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/06	Completed. CCTV completed by due date. No repair or cleaning was required.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 17, V.13.a. (i)-(iii)	<u>System Modifications to Prevent DWOs</u> Correct regulator and/or CSS deficiencies to address dry weather overflows at CSO outfalls 007, 027, 005, 020, 023, 015, 014, and 024 and place in operation.	12/31/03	<p>Completed. This item consists of replacement of regulator structures to reduce the likelihood of DWOs at the specified outfalls.</p> <p>Following facilities placed in operation by 11/24/03 under Contract 01-0020 to Corman Construction:</p> <ul style="list-style-type: none"> <li>• CSO 027 – Structure 43a , Potomac &amp; water St NW</li> <li>• CSO 005 – Structure 7, Railroad Ave &amp; W St SE</li> <li>• CSO 020 – Structure 34a, 23<sup>rd</sup> St near C St NW</li> <li>• CSO 014 – Structure 18, 6<sup>th</sup> and M St. SE</li> <li>• CSO 024 – Structure 38a, 30<sup>th</sup> St south of K St NW</li> </ul> <p>Following Structures placed in operation by 12/19/03 under contract to C&amp;F Construction</p> <ul style="list-style-type: none"> <li>• CSO 007 – Structure 9, 13<sup>th</sup> and Ridge SE</li> <li>• CSO 015 – Structure 19 &amp; 19a, 9<sup>th</sup> and M St SE</li> </ul> <p>The following work was completed by WASA prior to June 2003:</p> <ul style="list-style-type: none"> <li>• CSO 023 – Rock Creek P.S., install level sensor to indicate risk of DWO</li> </ul>
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Add DWO information to web site.	10/10/03	Completed. DWO information added to web site on 7/14/03.
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Include DWO information in a pamphlet with the sewer bill.	Semi-annually	<p>2004 – Completed in August and December.</p> <p>2005 – Completed in April and September.</p> <p>2006 – Completed in April and October.</p> <p>2007 – Completed in April and October.</p> <p>2008 – Completed in April</p>
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Maintain a Customer Service Hotline with staff trained to receive DWO reports.	10/10/03	Completed. Customer Service Hotline made operational, staff trained 07/24/03, 08/27/03 and 08/28/03.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p.17 V.13.b and p.22 V.16.b	<u>Public Notification Requirements</u> WASA shall provide information pamphlets on CSO location and activity.	12/31/05	Semi-Annual information pamphlets were provided to the public; one distribution in April 2005 and another in September 2005. This completes this requirement.
p. 18, V.13.c.(ii) (iii)	<u>DWO Management Program</u> Provide video cameras and training to inspection staff.	10/10/03	Completed. Three JVC digital camcorders were purchased and received on 09/07/00 and training provided for inspection staff on 09/26/00.
p. 18, V.13.d.	<u>Control of Construction Debris</u> Improve coordination with the D.C. Department of the Environment (previously DOH) and the D.C. Department of Consumer and Regulatory Affairs for erosion/sediment control.	10/10/03	Completed. Letter sent to the respective agencies on 07/18/03 seeking to improve coordination regarding control of construction debris and the prevention of its entry into the sewer system. The letter lists opportunities for improvement and better coordination and provides contact personnel and telephone numbers.
p. 20, V.16.a. (ii)	<u>Public Notification; CSO Signs – National Park Service</u> Apply to the National Park Service (NPS) for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. John G. Parsons, Associate Regional Director, for NPS to install the signs. In their letter of 11/25/03, NPS denied approval for placement of new signs.
p. 20, V.16.a.(iii)	<u>CSO Signs – WASA Controlled Sites</u> Install two new signs at WASA controlled CSO outfalls: 009-012 and one sign each at CSO outfalls 001 and 003.	04/07/04	Completed. Signs installed 2/12/04.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – National Zoo</u> Apply to the National Zoo for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Marc M. Mueller, National Zoological Park Resident Engineer, to install the signs. The Zoo approved placement of new signs in their letter of 12/13/03.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – Navy Yard</u> Apply to the Navy Yard for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Thomas P. Lewis Chief, Environmental and Safety Division for the Navy Yard to install the signs. In their letter of 11/17/03, Navy Yard denied approval for placement of new signs.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 21, V.16.a. (iv)	<u>Public Notification; CSO Signs – Southeast Federal Center</u> Apply to Southeast Federal Center for a permit to install new CSO sign.	11/10/03	Completed. Made written application on 09/04/03 to Mr. Steven Richard, Director, Service Delivery Support Division for SE Federal Center to install the sign. In their letter of 12/19/03, SE Federal Center denied approval for placement of new signs.
p. 21, V.16.a.(iv)	<u>CSO Signs –National Zoo</u> Install new signs at CSO outfalls 041-045 after approval by National Zoo.	06/10/04	Completed. Signs installed 4/12/04.
pp. 21-22, V.16.b.(i) (a)-(g)	<u>Public Notification – Web site</u> Maintain accurate and up-to-date CSO information on the WASA web site as outlined in the CD.	10/10/03	Completed. Web site updated as outlined in the CD on 07/14/03 and quarterly thereafter.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	2004 – Completed in August and December. 2005 – Completed in April and September. 2006 – Completed in April and October. 2007 – Completed in April and October. 2008 – Completed in April
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	2004 – Completed in August and December. 2005 – Completed in April and September. 2006 – Completed in April and October. 2007 – Completed in April and October. 2008 – Completed in April
p. 23, V.16.b.(iii) (c)(i)	<u>Public Notification - Notification lights</u> Submit documents for required approvals to install and operate CSO warning lights on the Anacostia and Potomac Rivers.	12/31/03	Completed.
p. 26, VIII.20.	<u>Civil Penalty</u> Pay a penalty of \$250,000 to the U. S. Department of Justice.	11/10/03	Completed. An electronic transfer of \$250,000 to the U.S. Department of Justice was performed on 11/10/03.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 27, IX.23.-30.	<u>Supplemental Environmental Projects (SEPs)</u> Submit to EPA detailed scope of work and exact location of SEP.	04/07/04	Completed. WASA submitted its proposed SEP on April 1, 2004. EPA provided comments in a May 18, 2004 letter and in a May 25, 2004 conference call. WASA submitted a revised scope of work addressing EPA's comments on August 23, 2004. WASA received EPA's written approval of the proposed SEP on January 24, 2005.
p. 27, IX.24	<u>Supplemental Environmental Project</u> Place in Operation.	04/10/07	Project placed in service 04/10/07.
p. 30, X.31.	<u>Citizen Community Project</u> Pay the Chesapeake Bay Foundation \$300,000 for the design, installation, and maintenance of green roof demonstration projects.	11/10/03	Completed. An electronic transfer of \$300,000 to the Chesapeake Bay Foundation was performed on 11/10/03.





**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**  
Serving the Public • Protecting the Environment

## **3-Party Consent Decree Status Report: Quarter No. 4 2008**

Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)

**January 2009**

DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY  
Washington, D.C.

*3-Party Consent Decree Status Report*  
Quarter No.4 - 2008

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## 1. INTRODUCTION

The District of Columbia Water and Sewer Authority (WASA or Authority) entered into a Consent Decree (CD) with the U.S. Government and certain citizen plaintiffs to resolve allegations regarding the combined sewer system (CSS). The following consent decree was lodged with and entered by the court on June 25, 2003 and October 10, 2003, respectively:

United States District Court for the District of Columbia  
Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)  
Consent Decree

The CD requires that WASA submit written status reports to the Environmental Protection Agency (EPA) and the citizen plaintiffs by the 28<sup>th</sup> day of the month following the end of each calendar quarter. The CD requires that the following be provided in each status report:

- The due dates and other terms that WASA is required to meet since the date of the last quarterly statement, whether and to what extent WASA has met these requirements, and the reasons for any noncompliance.
- A general description of the work completed within the three-month period, and a projection of work to be performed during the next three-month period.
- All other items as specified in Section V (Compliance Program and Schedules) of the CD including the status of the catch basin cleaning.

This report covers the months October through December 2008, which is Quarter No. 4 in 2008. Note that the CD requires posting certain information on WASA's web site, including the Combined Sewer System (CSS) Quarterly Reports. The web site addresses for these items are as follows:

- WASA's web site: [www.dcwasa.com](http://www.dcwasa.com)
- CSS Quarterly Reports on WASA's web site: [http://www.dcwasa.com/education/css/css\\_reports.cfm](http://www.dcwasa.com/education/css/css_reports.cfm)

## 2. REQUIREMENTS DUE IN CURRENT QUARTER

The following is a status report for requirements due in the current quarter:

REQUIREMENTS DUE IN CURRENT QUARTER			
Reference	Requirement	Due Date	Status
p. 12, V.10.e.i	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains.	Quarterly, following EPA's approval letter of 04/11/07	DCWASA issued NTP on November 1, 2007 for the design of the rehabilitation of the Outfall Sewers. Pre-Final Design drawings were reviewed and the designer is preparing the Final Design. WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 15, V.12.e.(iv)	<u>Potomac Pumping Station</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacity of 460 mgd.	09/01/08	Required equipment has been installed and placed in service. DCWASA issued a letter to the consent decree parties describing problems encountered with certifying the hydraulic capacities of the pumping station. Pumping specialists were contracted with WASA to determine the possible causes of the problem. Two strategy meetings have been held to develop a detailed course of action that will lead to obtaining the hydraulic certification for the pumping station. The testing prescribed in the plan is being conducted and the results will be evaluated and updated in the next report.

### 3. REQUIREMENTS DUE NEXT QUARTER

The following is a status report for requirements due in the next quarter.

REQUIREMENTS DUE NEXT QUARTER			
Reference	Requirement	Due Date	Status
NONE			

### 4. REQUIREMENTS DUE AFTER NEXT QUARTER

The following are requirements due after next quarter. Only those activities which are not addressed in prior tables are include

REQUIREMENTS DUE AFTER NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 12, V.10.e.i	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains.	04/11/11	WASA is preparing detail design for preparation of construction documents to rehabilitate the Outfall Sewers in to convey 1076 mgd by the due date.
p. 16, V.12.i.	<u>Inspect the three 60-inch Anacostia Siphons</u> Inspect siphons at least once every ten (10) years and clean and repair as necessary.	07/01/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 29, IX.28	<u>Supplemental Environmental Project</u> Operate and Maintain.	5 yrs after placing in operation April 10, 2012	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 29, IX.27	<u>Supplemental Environmental Project</u> Submit SEP completion report.	5 yrs after placing in operation April 10, 2012	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

## 5. ON-GOING REQUIREMENTS

The following is a status report for requirements that are performed at periodic intervals at an on-going basis.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 4, II.3.	<u>Application and Scope</u> Provide a copy of the Consent Decree (CD) to any consultant or contractor selected to perform any activity required by the CD.	As required	Completed in Quarter No. 4, 2003. WASA will send additional letters and copies of the CD to affected Project Design Engineers (PDEs) as they are retained for other projects required by the CD.
p. 10, V.10.a.(iv)	<u>Replace Inflatable Dams</u> Operate and maintain all inflatable dams.	Ongoing after 04/01/04	Inspection and maintenance of the inflatable dams is performed monthly and is documented in the CSS Quarterly Report, Section 2.5, Table 2-11, which is available on WASA's web site. Wet weather operations are reported on Table 2-12.
p. 10, V.10.b.(i) (a-e)(ii) (d.)(iv)	<u>Tide Gate Repair &amp; Replacement</u> Operate and maintain all tide gates.	Ongoing after 10/10/03	Inspection and maintenance of the tide gates is performed monthly and is documented in the CSS Quarterly Report, Section 2.2, Table 2, which is available on WASA's web site.
p. 12, V.11.	<u>Pretreatment</u> Maintain and update the current pretreatment program as required by the Clean Water Act, Pretreatment Regulations, and the NPDES Permit.	Ongoing after 10/10/03	The Pretreatment Program is being maintained and updated. The program submits reports and updates annually to EPA.

### ON-GOING ACTIVITIES

Reference	Requirement	Due Date	Status
p. 11, V.10.c.	<u>Maximization of Storage in the Collection System – Catch Basins</u> <ul style="list-style-type: none"> <li>○ Clean at least 85 % of the catch basins in CSS at least annually</li> <li>○ Inspect catch basins in CSO areas tributary to the Anacostia River at least two times per year and clean such basins more frequently as indicated by the inspections.</li> </ul>	Annually	Catch basin cleaning totals are reported in WASA's CSS Quarterly report, in Section 4, available on WASA's web site. Calendar year to date totals for this quarter are as follows:
			<div style="text-align: center;">Item No of Catch Basins % of Total</div> <p>Catch Basin in CSS: 10,871 (1)</p> <p>Catch Basins in CSS Cleaned: 14,737 135.6%</p> <p>Catch Basins in Anacostia CSS: 5,954 (1)</p> <p>Catch Basins in Anacostia CSS Inspected Once: 5,954 100 %</p> <p>Catch Basins in Anacostia CSS Inspected Twice: 5,594 100 %</p>
			<p>Notes: (1) Catch basin quantities are estimated based on count of catch basins on sewer maps and on experience of field crews.</p>

### ON-GOING ACTIVITIES

Reference	Requirement	Due Date	Status
p. 13, V.12.a.(i) (ii)	<u>Maximization of Flow to the POTW for Treatment</u> Operate and maintain the collection system to maximize flow to Blue Plains and treat all flows conveyed to permit requirements.	Ongoing after 10/10/03	Operation and maintenance status of the collection system and pumping stations is reported in Section 2 of the CSS quarterly report, available on WASA's web site. The pumping stations and collection system have been operated to maximize the flow to Blue Plains within the constraints of the system. During the period covered by this report, the maximum hourly rate to Complete Treatment exceeded 511 mgd, the rate established as the limit for Phases 1 through 7 of the Blue Plains Liquid Process Improvement Program.
p.14.12.b. (v)	<u>Main and O Pumping Station</u> Maintain a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	Ongoing after 04/16/08	The number of pumps and screens available for service at Main and O Pumping Station is reported in Section 2 of the CSS Quarterly Report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 14, V.12.c.(v)	<u>East Side Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 08/01/06	The number of pumps and screens available for service at East Side Pumping Station is reported in Section 2 of the CSS Quarterly Report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 14, V.12.d.(iv)	<u>Poplar Point Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 10/10/03	The number of pumps and screens available for service at Poplar Point Pumping Station is reported in Section 2 of the CSS Quarterly report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 15, V.12.e.(v)	<u>Potomac Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 460 mgd.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 17, V.13.b	<u>Facilitate Reports from Public of Dry Weather Overflows</u> <ul style="list-style-type: none"> <li>• Include DWO information on water/sewer bill inserts.</li> <li>• Staff and maintain phone line to receive reports on DWOs.</li> </ul>	Ongoing after 10/10/03	<ul style="list-style-type: none"> <li>• DWO information is included on all water/sewer bill inserts for CSO program.</li> <li>• Phone line and staff remain in operation to receive DWO reports.</li> </ul>



### ON-GOING ACTIVITIES

Reference	Requirement	Due Date	Status
p. 18, V.14.	<u>Control of Solids and Floatable Material in CSOs</u> Conduct visual wet weather surveys at outfalls 009 through 012 to assess the extent of floatables discharged.	Ongoing after 10/10/03	Visual surveys completed in the quarter are included in Section 5 of the CSS Quarterly Report, which is available on WASA's web site, and is reported to EPA with the monthly NPDES report.
p. 18, V.15.	<u>Pollution Prevention Programs</u> Maintain the MS4 pollution prevention programs.	Ongoing after 10/10/03	The MS4 Pollution Prevention Program is being maintained and updated. The program produces an annual report
p. 18, V.15.	<u>Pollution Prevention Programs</u> Continue to periodically educate the public about pollution prevention through its newsletters and web site.	Ongoing after 10/10/03	Information about pollution prevention is included on WASA website. In addition, twice a year, informational pamphlets are included in the water/sewer bills mailed to citizens.
p. 19, V.16.a.(i)	<u>Public Notification – CSO Signs</u> Conduct monthly inspections of CSO warning signs and replace, repair or clear obstructions as required.	Monthly	Inspection and replacement of signs is documented in Section 2 of the CSS Quarterly Reports, available on WASA's web site.
p. 21, V.16.b.	<u>Public Notification – Web Site</u> Maintain general info on CSOs, 12 most current CSS Quarterly Reports, and annual/quarterly CSO discharge volumes.	Ongoing after 10/10/03	This information is on WASA's web site, and it is updated regularly.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	CSO informational pamphlets were distributed to citizens with their water/sewer bill twice in 2004, 2005, 2006, 2007 and 2008.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	CSO informational pamphlets were mailed to local marinas twice in 2004, 2005, 2006, 2007 and 2008.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 24, V.17.a.	<u>Monitoring</u> Report CSO overflows at remote (SCADA-monitored) sites.	04/28/04	Information on CSO overflows reported at SCADA-monitored sites is included in Table 2-12 of the CSS Quarterly Reports, available on WASA's web site, and is reported to EPA with the monthly NPDES report.
p. 25, VII.19.(a). (b).(c)	<u>Reporting</u> Submit quarterly consent decree status reports.	28 <sup>th</sup> day of month after end of each calendar quarter	WASA submitted its first Quarterly Report on January 27, 2004 for Quarter No. 4 in 2003 and has submitted a report for each calendar quarter since. This report satisfies the latest reporting requirement.

## 6. REQUIREMENTS COMPLETED IN PRIOR QUARTERS

The following summarizes completed requirements reported in prior quarters.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 8, V.9.a.-j.	<u>Proper Operation and Regular Maintenance</u> Submit a written O&M program to EPA for review and comment but not approval.	06/30/04	Completed. Written O&M program submitted to EPA for review on 6/30/04.
p. 10, V.10.a.(iii)	<u>Replace Inflatable Dams</u> Replace all twelve existing inflatable dams and place all replacement dams in operation.	03/31/04	Completed. All inflatable dams were in operation as of 03/29/04 under Contract 01-0080 issued to Corman Construction Inc.
p. 10, V.10.b.(i) (a-e)(ii)(c.)	<u>Tide Gate Repair &amp; Replacement</u> Repair or replace tide gates at five CSO structures and place in operation.	11/10/03	Completed. All tide gates were placed in operation as of 08/29/03 under Contract 02-0070, Job Number AX01.
p. 11, V.10.d.	<u>Amendments to Sewer System Regulations</u> Recommend sewer regulation amendments to the D.C. Government to limit storm water inflow from any and all new construction and major renovations.	11/10/03	Completed. Three proposed code changes were submitted to the Council of the District of Columbia on October 22, 2003.
p. 14, V.12.b.(ii)	<u>Main &amp; O Pumping Station Rehab</u> Submit documents for required approvals to rehabilitate Main and O Street Pumping Stations to 240 and 45 mgd capacities.	03/01/04	Completed. Documents were submitted to DCRA and the Army Corps of Engineers by the deadline.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 13, V.12.b. (iii)	<u>Main &amp; O Pumping Stations</u> Award construction contract for rehabilitation.	04/01/05	Completed. Contract awarded to W.M. Schlosser Company, Inc. on February 23, 2005.
p. 13, V.12.b. (iv)	<u>Main &amp; O Pumping Stations</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	05/01/08	Completed. Written certification provided on April 16, 2008 from Engineer of Record to WASA confirming that the pumping equipment and ancillary systems installed at each station satisfied the requirements set forth in the consent decree.
p. 14, V.12.c.(ii)	<u>East Side Pumping Station</u> Submit documents for the required approvals for the rehabilitation of Eastside Pumping Station to achieve a pumping capacity of 45 mgd.	08/01/04	Completed. Documents were submitted to DCRA on August 13, 2003.
p. 14, V.12.c.(iii)	<u>East Side Pumping Station</u> Award construction contract for rehabilitation.	08/01/04	Construction contract awarded 06/04/04 to Ulliman Schutte Construction, LLC
p. 14, V.12.c.(iv)	<u>East Side Pumping Station</u> Place in operation.	08/01/06	Completed. Pumps placed into service on July 21, 2006.
p. 15, V.12.d.(ii)	<u>Poplar Point Pumping Station</u> Submit pump test data to EPA demonstrating a pumping capacity of 45 mgd at Poplar Point Pumping Station.	11/10/03	Completed. Delivery of the package occurred on 12/02/03.
p. 15, V.12.e.	<u>Potomac Pumping Station Rehab</u> Submit documents for required approvals.	06/01/04	Completed. WASA submitted the Permit Application to DCRA on 5/21/04.
p. 15, V.12.e.(iii)	<u>Potomac Pumping Station</u> Award construction contract for rehabilitation.	09/01/05	Completed. Contract awarded to Ulliman Schutte Construction, LLC on March 14, 2005.
p. 16, V.12.f.(i)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Submit documents for required approvals to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	10/20/03	Completed. Building Permit issued 10/12/01.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 16, V.12.f.(ii)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Award construction contracts to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	07/31/03	Completed. Contract number 02-0130 awarded to W. M. Schlosser Co. Inc. on 07/17/03 for grit removal upgrades.
p. 16, V.12.f.(iii)	<u>Improvements at Blue Plains – Grit Chamber 1&amp;2 and Influent Screens.</u> Placed in operation	07/31/07	Completed on 07/27/07.
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/06	Completed. CCTV completed by due date. No repair or cleaning was required.
p. 17, V.13.a. (i)-(iii)	<u>System Modifications to Prevent DWOs</u> Correct regulator and/or CSS deficiencies to address dry weather overflows at CSO outfalls 007, 027, 005, 020, 023, 015, 014, and 024 and place in operation.	12/31/03	<p>Completed. This item consists of replacement of regulator structures to reduce the likelihood of DWOs at the specified outfalls.</p> <p>Following facilities placed in operation by 11/24/03 under Contract 01-0020 to Corman Construction:</p> <ul style="list-style-type: none"> <li>• CSO 027 – Structure 43a , Potomac &amp; water St NW</li> <li>• CSO 005 – Structure 7, Railroad Ave &amp; W St SE</li> <li>• CSO 020 – Structure 34a, 23<sup>rd</sup> St near C St NW</li> <li>• CSO 014 – Structure 18, 6<sup>th</sup> and M St. SE</li> <li>• CSO 024 – Structure 38a, 30<sup>th</sup> St south of K St NW</li> </ul> <p>Following Structures placed in operation by 12/19/03 under contract to C&amp;F Construction</p> <ul style="list-style-type: none"> <li>• CSO 007 – Structure 9, 13<sup>th</sup> and Ridge SE</li> <li>• CSO 015 – Structure 19 &amp; 19a, 9<sup>th</sup> and M St SE</li> </ul> <p>The following work was completed by WASA prior to June 2003:</p> <ul style="list-style-type: none"> <li>• CSO 023 – Rock Creek P.S., install level sensor to indicate risk of DWO</li> </ul>

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Add DWO information to web site.	10/10/03	Completed. DWO information added to web site on 7/14/03.
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Include DWO information in a pamphlet with the sewer bill.	Semi-annually	2004 – Completed in August and December. 2005 – Completed in April and September. 2006 – Completed in April and October. 2007 – Completed in April and October. 2008 – Completed in April
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Maintain a Customer Service Hotline with staff trained to receive DWO reports.	10/10/03	Completed. Customer Service Hotline made operational, staff trained 07/24/03, 08/27/03 and 08/28/03.
p.17 V.13.b and p.22 V.16.b	<u>Public Notification Requirements</u> WASA shall provide information pamphlets on CSO location and activity.	12/31/05	Semi-Annual information pamphlets were provided to the public; one distribution in April 2005 and another in September 2005. This completes this requirement.
p. 18, V.13.c.(ii) (iii)	<u>DWO Management Program</u> Provide video cameras and training to inspection staff.	10/10/03	Completed. Three JVC digital camcorders were purchased and received on 09/07/00 and training provided for inspection staff on 09/26/00.
p. 18, V.13.d.	<u>Control of Construction Debris</u> Improve coordination with the D.C. Department of the Environment (previously DOH) and the D.C. Department of Consumer and Regulatory Affairs for erosion/sediment control.	10/10/03	Completed. Letter sent to the respective agencies on 07/18/03 seeking to improve coordination regarding control of construction debris and the prevention of its entry into the sewer system. The letter lists opportunities for improvement and better coordination and provides contact personnel and telephone numbers.
p. 20, V.16.a. (ii)	<u>Public Notification; CSO Signs – National Park Service</u> Apply to the National Park Service (NPS) for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. John G. Parsons, Associate Regional Director, for NPS to install the signs. In their letter of 11/25/03, NPS denied approval for placement of new signs.
p. 20, V.16.a.(iii)	<u>CSO Signs – WASA Controlled Sites</u> Install two new signs at WASA controlled CSO outfalls: 009-012 and one sign each at CSO outfalls 001 and 003.	04/07/04	Completed. Signs installed 2/12/04.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – National Zoo</u> Apply to the National Zoo for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Marc M. Mueller, National Zoological Park Resident Engineer, to install the signs. The Zoo approved placement of new signs in their letter of 12/13/03.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – Navy Yard</u> Apply to the Navy Yard for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Thomas P. Lewis Chief, Environmental and Safety Division for the Navy Yard to install the signs. In their letter of 11/17/03, Navy Yard denied approval for placement of new signs.
p. 21, V.16.a. (iv)	<u>Public Notification; CSO Signs – Southeast Federal Center</u> Apply to Southeast Federal Center for a permit to install new CSO sign.	11/10/03	Completed. Made written application on 09/04/03 to Mr. Steven Richard, Director, Service Delivery Support Division for SE Federal Center to install the sign. In their letter of 12/19/03, SE Federal Center denied approval for placement of new signs.
p. 21, V.16.a.(iv)	<u>CSO Signs –National Zoo</u> Install new signs at CSO outfalls 041-045 after approval by National Zoo.	06/10/04	Completed. Signs installed 4/12/04.
pp. 21-22, V.16.b.(i) (a)-(g)	<u>Public Notification – Web site</u> Maintain accurate and up-to-date CSO information on the WASA web site as outlined in the CD.	10/10/03	Completed. Web site updated as outlined in the CD on 07/14/03 and quarterly thereafter.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	2004 – Completed in August and December. 2005 – Completed in April and September. 2006 – Completed in April and October. 2007 – Completed in April and October. 2008 – Completed in April
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	2004 – Completed in August and December. 2005 – Completed in April and September. 2006 – Completed in April and October. 2007 – Completed in April and October. 2008 – Completed in April

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 23, V.16.b.(iii) (c)(i)	<u>Public Notification - Notification lights</u> Submit documents for required approvals to install and operate CSO warning lights on the Anacostia and Potomac Rivers.	12/31/03	Completed.
p. 23, V.16.b.(iii) (c)(i)	<u>Public Notification – Notification lights</u> Place in Operation.	20 months after receipt of approvals August 21, 2008	Completed. Written certification provided on August 6 <sup>th</sup> from Engineering Program Manager confirming that the CSO Event Indicator Lights were placed in operation on August 4 <sup>th</sup> in compliance with the requirements set forth in the consent decree.
p. 26, VIII.20.	<u>Civil Penalty</u> Pay a penalty of \$250,000 to the U. S. Department of Justice.	11/10/03	Completed. An electronic transfer of \$250,000 to the U.S. Department of Justice was performed on 11/10/03.
p. 27, IX.23.-30.	<u>Supplemental Environmental Projects (SEPs)</u> Submit to EPA detailed scope of work and exact location of SEP.	04/07/04	Completed. WASA submitted its proposed SEP on April 1, 2004. EPA provided comments in a May 18, 2004 letter and in a May 25, 2004 conference call. WASA submitted a revised scope of work addressing EPA's comments on August 23, 2004. WASA received EPA's written approval of the proposed SEP on January 24, 2005.
p. 27, IX.24	<u>Supplemental Environmental Project</u> Place in Operation.	04/10/07	Project placed in service 04/10/07.
p. 30, X.31.	<u>Citizen Community Project</u> Pay the Chesapeake Bay Foundation \$300,000 for the design, installation, and maintenance of green roof demonstration projects.	11/10/03	Completed. An electronic transfer of \$300,000 to the Chesapeake Bay Foundation was performed on 11/10/03.



**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**  
Serving the Public • Protecting the Environment

## **3-Party Consent Decree Status Report: Quarter No. 1 2009**

Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)

**April 2009**



DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY  
Washington, D.C.

*3-Party Consent Decree Status Report*  
Quarter No.1 - 2009

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## 1. INTRODUCTION

The District of Columbia Water and Sewer Authority (WASA or Authority) entered into a Consent Decree (CD) with the U.S. Government and certain citizen plaintiffs to resolve allegations regarding the combined sewer system (CSS). The following consent decree was lodged with and entered by the court on June 25, 2003 and October 10, 2003, respectively:

United States District Court for the District of Columbia  
Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)  
Consent Decree

The CD requires that WASA submit written status reports to the Environmental Protection Agency (EPA) and the citizen plaintiffs by the 28<sup>th</sup> day of the month following the end of each calendar quarter. The CD requires that the following be provided in each status report:

- The due dates and other terms that WASA is required to meet since the date of the last quarterly statement, whether and to what extent WASA has met these requirements, and the reasons for any noncompliance.
- A general description of the work completed within the three-month period, and a projection of work to be performed during the next three-month period.
- All other items as specified in Section V (Compliance Program and Schedules) of the CD including the status of the catch basin cleaning.

This report covers the months January through March 2009, which is Quarter No. 1 in 2009. Note that the CD requires posting certain information on WASA's web site, including the Combined Sewer System (CSS) Quarterly Reports. The web site addresses for these items are as follows:

- WASA's web site: [www.dcwasa.com](http://www.dcwasa.com)
- CSS Quarterly Reports on WASA's web site: [http://www.dcwasa.com/education/css/css\\_reports.cfm](http://www.dcwasa.com/education/css/css_reports.cfm)

## 2. REQUIREMENTS DUE IN CURRENT QUARTER

The following is a status report for requirements due in the current quarter:

REQUIREMENTS DUE IN CURRENT QUARTER			
Reference	Requirement	Due Date	Status
p. 12, V.10.e.i	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains.	Quarterly, following EPA's approval letter of 04/11/07	DCWASA open bids for the Outfall Sewers Project on March 18, 2009. Ulliman Schutte offer the low bid of \$42,267,000. On March 24 <sup>th</sup> , The Environment Quality and Operations Committee recommended approval to the Board of Directors. The Board approved award of the contract; contract documents are in preparation. WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 15, V.12.e.(iv)	<u>Potomac Pumping Station</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacity of 460 mgd.	09/01/08	The required equipment has been installed and placed in service. DCWASA issued a letter to the consent decree parties describing problems encountered with certifying the hydraulic capacities of the pumping station. Pumping specialists were contracted with WASA to determine the possible causes of the problem. Several meetings were conducted during the report period and action was taken to modify 3 of the 5 the pump intake channels. Modifications to the remaining pump intake channels will be implemented in the near future. On February 27, 2009 a status update meeting was held to review the pump test results conducted to date. Additional testing is planned during the 2 <sup>nd</sup> quarter report period in order to establish reliable pump performance.

### 3. REQUIREMENTS DUE NEXT QUARTER

The following is a status report for requirements due in the next quarter.

REQUIREMENTS DUE NEXT QUARTER			
Reference	Requirement	Due Date	Status
NONE			

### 4. REQUIREMENTS DUE AFTER NEXT QUARTER

The following are requirements due after next quarter. Only those activities which are not addressed in prior tables are include

REQUIREMENTS DUE AFTER NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 12, V.10.e.i	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains.	04/11/11	WASA is in the process of awarding a construction contract to rehabilitate the Outfall Sewers in to convey 1076 mgd by the due date.
p. 16, V.12.i.	<u>Inspect the three 60-inch Anacostia Siphons</u> Inspect siphons at least once every ten (10) years and clean and repair as necessary.	07/01/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 29, IX.28	<u>Supplemental Environmental Project</u> Operate and Maintain.	5 yrs after placing in operation April 10, 2012	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 29, IX.27	<u>Supplemental Environmental Project</u> Submit SEP completion report.	5 yrs after placing in operation April 10, 2012	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

## 5. ON-GOING REQUIREMENTS

The following is a status report for requirements that are performed at periodic intervals at an on-going basis.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 4, II.3.	<u>Application and Scope</u> Provide a copy of the Consent Decree (CD) to any consultant or contractor selected to perform any activity required by the CD.	As required	Completed in Quarter No. 4, 2003. WASA will send additional letters and copies of the CD to affected Project Design Engineers (PDEs) as they are retained for other projects required by the CD.
p. 10, V.10.a.(iv)	<u>Replace Inflatable Dams</u> Operate and maintain all inflatable dams.	Ongoing after 04/01/04	Inspection and maintenance of the inflatable dams is performed monthly and is documented in the CSS Quarterly Report, Section 2.5, Table 2-11, which is available on WASA's web site. Wet weather operations are reported on Table 2-12.
p. 10, V.10.b.(i) (a-e)(ii) (d.)(iv)	<u>Tide Gate Repair &amp; Replacement</u> Operate and maintain all tide gates.	Ongoing after 10/10/03	Inspection and maintenance of the tide gates is performed monthly and is documented in the CSS Quarterly Report, Section 2.2, Table 2, which is available on WASA's web site.
p. 12, V.11.	<u>Pretreatment</u> Maintain and update the current pretreatment program as required by the Clean Water Act, Pretreatment Regulations, and the NPDES Permit.	Ongoing after 10/10/03	The Pretreatment Program is being maintained and updated. The program submits reports and updates annually to EPA.

### ON-GOING ACTIVITIES

Reference	Requirement	Due Date	Status
p. 11, V.10.c.	<u>Maximization of Storage in the Collection System – Catch Basins</u> <ul style="list-style-type: none"> <li>○ Clean at least 85 % of the catch basins in CSS at least annually</li> <li>○ Inspect catch basins in CSO areas tributary to the Anacostia River at least two times per year and clean such basins more frequently as indicated by the inspections.</li> </ul>	Annually	Catch basin cleaning totals are reported in WASA's CSS Quarterly report, in Section 4, available on WASA's web site. Calendar year to date totals for this quarter are as follows:
			<div style="text-align: center;">Item No of Catch Basins % of Total</div> <p>Catch Basin in CSS: 10,871 (1)</p> <p>Catch Basins in CSS Cleaned: 3904 36%</p> <p>Catch Basins in Anacostia CSS: 5,954 (1)</p> <p>Catch Basins in Anacostia CSS Inspected Once: 2256 37.9 %</p> <p>Catch Basins in Anacostia CSS Inspected Twice: 394 6.6 %</p>
			Notes: (1) Catch basin quantities are estimated based on count of catch basins on sewer maps and on experience of field crews.

### ON-GOING ACTIVITIES

Reference	Requirement	Due Date	Status
p. 13, V.12.a.(i) (ii)	<u>Maximization of Flow to the POTW for Treatment</u> Operate and maintain the collection system to maximize flow to Blue Plains and treat all flows conveyed to permit requirements.	Ongoing after 10/10/03	Operation and maintenance status of the collection system and pumping stations is reported in Section 2 of the CSS quarterly report, available on WASA's web site. The pumping stations and collection system have been operated to maximize the flow to Blue Plains within the constraints of the system. During the period covered by this report, the maximum hourly rate to Complete Treatment exceeded 511 mgd, the rate established as the limit for Phases 1 through 7 of the Blue Plains Liquid Process Improvement Program.
p.14.12.b. (v)	<u>Main and O Pumping Station</u> Maintain a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	Ongoing after 04/16/08	The number of pumps and screens available for service at Main and O Pumping Station is reported in Section 2 of the CSS Quarterly Report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 14, V.12.c.(v)	<u>East Side Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 08/01/06	The number of pumps and screens available for service at East Side Pumping Station is reported in Section 2 of the CSS Quarterly Report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 14, V.12.d.(iv)	<u>Poplar Point Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 10/10/03	The number of pumps and screens available for service at Poplar Point Pumping Station is reported in Section 2 of the CSS Quarterly report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 15, V.12.e.(v)	<u>Potomac Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 460 mgd.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 17, V.13.b	<u>Facilitate Reports from Public of Dry Weather Overflows</u> <ul style="list-style-type: none"> <li>• Include DWO information on water/sewer bill inserts.</li> <li>• Staff and maintain phone line to receive reports on DWOs.</li> </ul>	Ongoing after 10/10/03	<ul style="list-style-type: none"> <li>• DWO information is included on all water/sewer bill inserts for CSO program.</li> <li>• Phone line and staff remain in operation to receive DWO reports.</li> </ul>

### ON-GOING ACTIVITIES

Reference	Requirement	Due Date	Status
p. 18, V.14.	<u>Control of Solids and Floatable Material in CSOs</u> Conduct visual wet weather surveys at outfalls 009 through 012 to assess the extent of floatables discharged.	Ongoing after 10/10/03	Visual surveys completed in the quarter are included in Section 5 of the CSS Quarterly Report, which is available on WASA's web site, and is reported to EPA with the monthly NPDES report.
p. 18, V.15.	<u>Pollution Prevention Programs</u> Maintain the MS4 pollution prevention programs.	Ongoing after 10/10/03	The MS4 Pollution Prevention Program is being maintained and updated. The program produces an annual report
p. 18, V.15.	<u>Pollution Prevention Programs</u> Continue to periodically educate the public about pollution prevention through its newsletters and web site.	Ongoing after 10/10/03	Information about pollution prevention is included on WASA website. In addition, twice a year, informational pamphlets are included in the water/sewer bills mailed to citizens.
p. 19, V.16.a.(i)	<u>Public Notification – CSO Signs</u> Conduct monthly inspections of CSO warning signs and replace, repair or clear obstructions as required.	Monthly	Inspection and replacement of signs is documented in Section 2 of the CSS Quarterly Reports, available on WASA's web site.
p. 21, V.16.b.	<u>Public Notification – Web Site</u> Maintain general info on CSOs, 12 most current CSS Quarterly Reports, and annual/quarterly CSO discharge volumes.	Ongoing after 10/10/03	This information is on WASA's web site, and it is updated regularly.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	CSO informational pamphlets were distributed to citizens with their water/sewer bill twice in 2004, 2005, 2006, 2007 and 2008.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	CSO informational pamphlets were mailed to local marinas twice in 2004, 2005, 2006, 2007 and 2008.



ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 24, V.17.a.	<u>Monitoring</u> Report CSO overflows at remote (SCADA-monitored) sites.	04/28/04	Information on CSO overflows reported at SCADA-monitored sites is included in Table 2-12 of the CSS Quarterly Reports, available on WASA's web site, and is reported to EPA with the monthly NPDES report.
p. 25, VII.19.(a). (b).(c)	<u>Reporting</u> Submit quarterly consent decree status reports.	28 <sup>th</sup> day of month after end of each calendar quarter	WASA submitted its first Quarterly Report on January 27, 2004 for Quarter No. 4 in 2003 and has submitted a report for each calendar quarter since. This report satisfies the latest reporting requirement.

## 6. REQUIREMENTS COMPLETED IN PRIOR QUARTERS

The following summarizes completed requirements reported in prior quarters.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 8, V.9.a.-j.	<u>Proper Operation and Regular Maintenance</u> Submit a written O&M program to EPA for review and comment but not approval.	06/30/04	Completed. Written O&M program submitted to EPA for review on 6/30/04.
p. 10, V.10.a.(iii)	<u>Replace Inflatable Dams</u> Replace all twelve existing inflatable dams and place all replacement dams in operation.	03/31/04	Completed. All inflatable dams were in operation as of 03/29/04 under Contract 01-0080 issued to Corman Construction Inc.
p. 10, V.10.b.(i) (a-e)(ii)(c.)	<u>Tide Gate Repair &amp; Replacement</u> Repair or replace tide gates at five CSO structures and place in operation.	11/10/03	Completed. All tide gates were placed in operation as of 08/29/03 under Contract 02-0070, Job Number AX01.
p. 11, V.10.d.	<u>Amendments to Sewer System Regulations</u> Recommend sewer regulation amendments to the D.C. Government to limit storm water inflow from any and all new construction and major renovations.	11/10/03	Completed. Three proposed code changes were submitted to the Council of the District of Columbia on October 22, 2003.
p. 14, V.12.b.(ii)	<u>Main &amp; O Pumping Station Rehab</u> Submit documents for required approvals to rehabilitate Main and O Street Pumping Stations to 240 and 45 mgd capacities.	03/01/04	Completed. Documents were submitted to DCRA and the Army Corps of Engineers by the deadline.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 13, V.12.b. (iii)	<u>Main &amp; O Pumping Stations</u> Award construction contract for rehabilitation.	04/01/05	Completed. Contract awarded to W.M. Schlosser Company, Inc. on February 23, 2005.
p. 13, V.12.b. (iv)	<u>Main &amp; O Pumping Stations</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	05/01/08	Completed. Written certification provided on April 16, 2008 from Engineer of Record to WASA confirming that the pumping equipment and ancillary systems installed at each station satisfied the requirements set forth in the consent decree.
p. 14, V.12.c.(ii)	<u>East Side Pumping Station</u> Submit documents for the required approvals for the rehabilitation of Eastside Pumping Station to achieve a pumping capacity of 45 mgd.	08/01/04	Completed. Documents were submitted to DCRA on August 13, 2003.
p. 14, V.12.c.(iii)	<u>East Side Pumping Station</u> Award construction contract for rehabilitation.	08/01/04	Construction contract awarded 06/04/04 to Ulliman Schutte Construction, LLC
p. 14, V.12.c.(iv)	<u>East Side Pumping Station</u> Place in operation.	08/01/06	Completed. Pumps placed into service on July 21, 2006.
p. 15, V.12.d.(ii)	<u>Poplar Point Pumping Station</u> Submit pump test data to EPA demonstrating a pumping capacity of 45 mgd at Poplar Point Pumping Station.	11/10/03	Completed. Delivery of the package occurred on 12/02/03.
p. 15, V.12.e.	<u>Potomac Pumping Station Rehab</u> Submit documents for required approvals.	06/01/04	Completed. WASA submitted the Permit Application to DCRA on 5/21/04.
p. 15, V.12.e.(iii)	<u>Potomac Pumping Station</u> Award construction contract for rehabilitation.	09/01/05	Completed. Contract awarded to Ulliman Schutte Construction, LLC on March 14, 2005.
p. 16, V.12.f.(i)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Submit documents for required approvals to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	10/20/03	Completed. Building Permit issued 10/12/01.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 16, V.12.f.(ii)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Award construction contracts to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	07/31/03	Completed. Contract number 02-0130 awarded to W. M. Schlosser Co. Inc. on 07/17/03 for grit removal upgrades.
p. 16, V.12.f.(iii)	<u>Improvements at Blue Plains – Grit Chamber 1&amp;2 and Influent Screens.</u> Placed in operation	07/31/07	Completed on 07/27/07.
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/06	Completed. CCTV completed by due date. No repair or cleaning was required.
p. 17, V.13.a. (i)-(iii)	<u>System Modifications to Prevent DWOs</u> Correct regulator and/or CSS deficiencies to address dry weather overflows at CSO outfalls 007, 027, 005, 020, 023, 015, 014, and 024 and place in operation.	12/31/03	<p>Completed. This item consists of replacement of regulator structures to reduce the likelihood of DWOs at the specified outfalls.</p> <p>Following facilities placed in operation by 11/24/03 under Contract 01-0020 to Corman Construction:</p> <ul style="list-style-type: none"> <li>• CSO 027 – Structure 43a , Potomac &amp; water St NW</li> <li>• CSO 005 – Structure 7, Railroad Ave &amp; W St SE</li> <li>• CSO 020 – Structure 34a, 23<sup>rd</sup> St near C St NW</li> <li>• CSO 014 – Structure 18, 6<sup>th</sup> and M St. SE</li> <li>• CSO 024 – Structure 38a, 30<sup>th</sup> St south of K St NW</li> </ul> <p>Following Structures placed in operation by 12/19/03 under contract to C&amp;F Construction</p> <ul style="list-style-type: none"> <li>• CSO 007 – Structure 9, 13<sup>th</sup> and Ridge SE</li> <li>• CSO 015 – Structure 19 &amp; 19a, 9<sup>th</sup> and M St SE</li> </ul> <p>The following work was completed by WASA prior to June 2003:</p> <ul style="list-style-type: none"> <li>• CSO 023 – Rock Creek P.S., install level sensor to indicate risk of DWO</li> </ul>

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Add DWO information to web site.	10/10/03	Completed. DWO information added to web site on 7/14/03.
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Include DWO information in a pamphlet with the sewer bill.	Semi-annually	2004 – Completed in August and December. 2005 – Completed in April and September. 2006 – Completed in April and October. 2007 – Completed in April and October. 2008 – Completed in April
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Maintain a Customer Service Hotline with staff trained to receive DWO reports.	10/10/03	Completed. Customer Service Hotline made operational, staff trained 07/24/03, 08/27/03 and 08/28/03.
p.17 V.13.b and p.22 V.16.b	<u>Public Notification Requirements</u> WASA shall provide information pamphlets on CSO location and activity.	12/31/05	Semi-Annual information pamphlets were provided to the public; one distribution in April 2005 and another in September 2005. This completes this requirement.
p. 18, V.13.c.(ii) (iii)	<u>DWO Management Program</u> Provide video cameras and training to inspection staff.	10/10/03	Completed. Three JVC digital camcorders were purchased and received on 09/07/00 and training provided for inspection staff on 09/26/00.
p. 18, V.13.d.	<u>Control of Construction Debris</u> Improve coordination with the D.C. Department of the Environment (previously DOH) and the D.C. Department of Consumer and Regulatory Affairs for erosion/sediment control.	10/10/03	Completed. Letter sent to the respective agencies on 07/18/03 seeking to improve coordination regarding control of construction debris and the prevention of its entry into the sewer system. The letter lists opportunities for improvement and better coordination and provides contact personnel and telephone numbers.
p. 20, V.16.a. (ii)	<u>Public Notification; CSO Signs – National Park Service</u> Apply to the National Park Service (NPS) for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. John G. Parsons, Associate Regional Director, for NPS to install the signs. In their letter of 11/25/03, NPS denied approval for placement of new signs.
p. 20, V.16.a.(iii)	<u>CSO Signs – WASA Controlled Sites</u> Install two new signs at WASA controlled CSO outfalls: 009-012 and one sign each at CSO outfalls 001 and 003.	04/07/04	Completed. Signs installed 2/12/04.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – National Zoo</u> Apply to the National Zoo for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Marc M. Mueller, National Zoological Park Resident Engineer, to install the signs. The Zoo approved placement of new signs in their letter of 12/13/03.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – Navy Yard</u> Apply to the Navy Yard for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Thomas P. Lewis Chief, Environmental and Safety Division for the Navy Yard to install the signs. In their letter of 11/17/03, Navy Yard denied approval for placement of new signs.
p. 21, V.16.a. (iv)	<u>Public Notification; CSO Signs – Southeast Federal Center</u> Apply to Southeast Federal Center for a permit to install new CSO sign.	11/10/03	Completed. Made written application on 09/04/03 to Mr. Steven Richard, Director, Service Delivery Support Division for SE Federal Center to install the sign. In their letter of 12/19/03, SE Federal Center denied approval for placement of new signs.
p. 21, V.16.a.(iv)	<u>CSO Signs –National Zoo</u> Install new signs at CSO outfalls 041-045 after approval by National Zoo.	06/10/04	Completed. Signs installed 4/12/04.
pp. 21-22, V.16.b.(i) (a)-(g)	<u>Public Notification – Web site</u> Maintain accurate and up-to-date CSO information on the WASA web site as outlined in the CD.	10/10/03	Completed. Web site updated as outlined in the CD on 07/14/03 and quarterly thereafter.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	2004 – Completed in August and December. 2005 – Completed in April and September. 2006 – Completed in April and October. 2007 – Completed in April and October. 2008 – Completed in April and October
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	2004 – Completed in August and December. 2005 – Completed in April and September. 2006 – Completed in April and October. 2007 – Completed in April and October. 2008 – Completed in April and October

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 23, V.16.b.(iii) (c)(i)	<u>Public Notification - Notification lights</u> Submit documents for required approvals to install and operate CSO warning lights on the Anacostia and Potomac Rivers.	12/31/03	Completed.
p. 23, V.16.b.(iii) (c)(i)	<u>Public Notification – Notification lights</u> Place in Operation.	20 months after receipt of approvals August 21, 2008	Completed. Written certification provided on August 6 <sup>th</sup> from Engineering Program Manager confirming that the CSO Event Indicator Lights were placed in operation on August 4 <sup>th</sup> in compliance with the requirements set forth in the consent decree.
p. 26, VIII.20.	<u>Civil Penalty</u> Pay a penalty of \$250,000 to the U. S. Department of Justice.	11/10/03	Completed. An electronic transfer of \$250,000 to the U.S. Department of Justice was performed on 11/10/03.
p. 27, IX.23.-30.	<u>Supplemental Environmental Projects (SEPs)</u> Submit to EPA detailed scope of work and exact location of SEP.	04/07/04	Completed. WASA submitted its proposed SEP on April 1, 2004. EPA provided comments in a May 18, 2004 letter and in a May 25, 2004 conference call. WASA submitted a revised scope of work addressing EPA's comments on August 23, 2004. WASA received EPA's written approval of the proposed SEP on January 24, 2005.
p. 27, IX.24	<u>Supplemental Environmental Project</u> Place in Operation.	04/10/07	Project placed in service 04/10/07.
p. 30, X.31.	<u>Citizen Community Project</u> Pay the Chesapeake Bay Foundation \$300,000 for the design, installation, and maintenance of green roof demonstration projects.	11/10/03	Completed. An electronic transfer of \$300,000 to the Chesapeake Bay Foundation was performed on 11/10/03.



**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**  
Serving the Public • Protecting the Environment

## **3-Party Consent Decree Status Report: Quarter No. 2 2009**

Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)

**July 2009**

DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY  
Washington, D.C.

*3-Party Consent Decree Status Report*  
Quarter No.2 - 2009

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## 1. INTRODUCTION

The District of Columbia Water and Sewer Authority (WASA or Authority) entered into a Consent Decree (CD) with the U.S. Government and certain citizen plaintiffs to resolve allegations regarding the combined sewer system (CSS). The following consent decree was lodged with and entered by the court on June 25, 2003 and October 10, 2003, respectively:

United States District Court for the District of Columbia  
Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)  
Consent Decree

The CD requires that WASA submit written status reports to the Environmental Protection Agency (EPA) and the citizen plaintiffs by the 28<sup>th</sup> day of the month following the end of each calendar quarter. The CD requires that the following be provided in each status report:

- The due dates and other terms that WASA is required to meet since the date of the last quarterly statement, whether and to what extent WASA has met these requirements, and the reasons for any noncompliance.
- A general description of the work completed within the three-month period, and a projection of work to be performed during the next three-month period.
- All other items as specified in Section V (Compliance Program and Schedules) of the CD including the status of the catch basin cleaning.

This report covers the months April through June 2009, which is Quarter No. 2 in 2009. Note that the CD requires posting certain information on WASA's web site, including the Combined Sewer System (CSS) Quarterly Reports. The web site addresses for these items are as follows:

- WASA's web site: [www.dcwasa.com](http://www.dcwasa.com)
- CSS Quarterly Reports on WASA's web site: [http://www.dcwasa.com/education/css/css\\_reports.cfm](http://www.dcwasa.com/education/css/css_reports.cfm)

## 2. REQUIREMENTS DUE IN CURRENT QUARTER

The following is a status report for requirements due in the current quarter:

REQUIREMENTS DUE IN CURRENT QUARTER			
Reference	Requirement	Due Date	Status
p. 15, V.12.e.(iv)	<u>Potomac Pumping Station</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacity of 460 mgd.	09/01/08	The required equipment has been installed and placed in service. DCWASA issued a letter to the consent decree parties describing problems encountered with certifying the hydraulic capacities of the pumping station. Pumping specialists were contracted with WASA to determine the possible causes of the problem. A series of tests were concluded in April. Test results indicated that the pump outputs were not sufficient to allow certification. During May WASA completed the removal of the crescent plates from the pump intake channels resulting in limited improvement to pump performance. On June 2 and June 25, 2009, meetings were conducted with pump experts to review test results. The experts recommended modeling the pump intake system using computational fluid dynamics (CFD) to assist in determining whether additional work on the pump intakes would improve pump performance. CFD modeling is underway. During the Quarter WASA has provided monthly updates to the Consent Decree parties on the status of this issue.

### 3. REQUIREMENTS DUE NEXT QUARTER

The following is a status report for requirements due in the next quarter.

REQUIREMENTS DUE NEXT QUARTER			
Reference	Requirement	Due Date	Status
NONE			

### 4. REQUIREMENTS DUE AFTER NEXT QUARTER

The following are requirements due after next quarter. Only those activities which are not addressed in prior tables are include

REQUIREMENTS DUE AFTER NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 12, V.10.e.i	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains.	04/11/11	WASA has awarded a construction contract to rehabilitate the Outfall Sewers in to convey 1076 mgd by the due date.
p. 16, V.12.i.	<u>Inspect the three 60-inch Anacostia Siphons</u> Inspect siphons at least once every ten (10) years and clean and repair as necessary.	07/01/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 29, IX.28	<u>Supplemental Environmental Project</u> Operate and Maintain.	5 yrs after placing in operation April 10, 2012	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 29, IX.27	<u>Supplemental Environmental Project</u> Submit SEP completion report.	5 yrs after placing in operation April 10, 2012	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

## 5. ON-GOING REQUIREMENTS

The following is a status report for requirements that are performed at periodic intervals at an on-going basis.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 4, II.3.	<u>Application and Scope</u> Provide a copy of the Consent Decree (CD) to any consultant or contractor selected to perform any activity required by the CD.	As required	Completed in Quarter No. 4, 2003. WASA will send additional letters and copies of the CD to affected Project Design Engineers (PDEs) as they are retained for other projects required by the CD.
p. 10, V.10.a.(iv)	<u>Replace Inflatable Dams</u> Operate and maintain all inflatable dams.	Ongoing after 04/01/04	Inspection and maintenance of the inflatable dams is performed monthly and is documented in the CSS Quarterly Report, Section 2.5, Table 2-11, which is available on WASA's web site. Wet weather operations are reported on Table 2-12.
p. 10, V.10.b.(i) (a-e)(ii) (d.)(iv)	<u>Tide Gate Repair &amp; Replacement</u> Operate and maintain all tide gates.	Ongoing after 10/10/03	Inspection and maintenance of the tide gates is performed monthly and is documented in the CSS Quarterly Report, Section 2.2, Table 2, which is available on WASA's web site.
p. 12, V.10.e.i	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains.	Quarterly, following EPA's approval letter of 04/11/07	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 12, V.11.	<u>Pretreatment</u> Maintain and update the current pretreatment program as required by the Clean Water Act, Pretreatment Regulations, and the NPDES Permit.	Ongoing after 10/10/03	The Pretreatment Program is being maintained and updated. The program submits reports and updates annually to EPA.

### ON-GOING ACTIVITIES

Reference	Requirement	Due Date	Status
p. 11, V.10.c.	<u>Maximization of Storage in the Collection System – Catch Basins</u> <ul style="list-style-type: none"> <li>○ Clean at least 85 % of the catch basins in CSS at least annually</li> <li>○ Inspect catch basins in CSO areas tributary to the Anacostia River at least two times per year and clean such basins more frequently as indicated by the inspections.</li> </ul>	Annually	Catch basin cleaning totals are reported in WASA's CSS Quarterly report, in Section 4, available on WASA's web site. Calendar year to date totals for this quarter are as follows:
			<div style="text-align: center;">Item No of Catch Basins % of Total</div> <p>Catch Basin in CSS: 10,871 (1)</p> <p>Catch Basins in CSS Cleaned: 9,617 88.5 %</p> <p>Catch Basins in Anacostia CSS: 5,954 (1)</p> <p>Catch Basins in Anacostia CSS Inspected Once: 5,356 90.0 %</p> <p>Catch Basins in Anacostia CSS Inspected Twice: 2,431 40.8 %</p>
			Notes: (1) Catch basin quantities are estimated based on count of catch basins on sewer maps and on experience of field crews.

### ON-GOING ACTIVITIES

Reference	Requirement	Due Date	Status
p. 13, V.12.a.(i) (ii)	<u>Maximization of Flow to the POTW for Treatment</u> Operate and maintain the collection system to maximize flow to Blue Plains and treat all flows conveyed to permit requirements.	Ongoing after 10/10/03	Operation and maintenance status of the collection system and pumping stations is reported in Section 2 of the CSS quarterly report, available on WASA's web site. The pumping stations and collection system have been operated to maximize the flow to Blue Plains within the constraints of the system. During the period covered by this report, the maximum hourly rate to Complete Treatment exceeded 511 mgd, the rate established as the limit for Phases 1 through 7 of the Blue Plains Liquid Process Improvement Program.
p.14.12.b. (v)	<u>Main and O Pumping Station</u> Maintain a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	Ongoing after 04/16/08	The number of pumps and screens available for service at Main and O Pumping Station is reported in Section 2 of the CSS Quarterly Report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 14, V.12.c.(v)	<u>East Side Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 08/01/06	The number of pumps and screens available for service at East Side Pumping Station is reported in Section 2 of the CSS Quarterly Report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 14, V.12.d.(iv)	<u>Poplar Point Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 10/10/03	The number of pumps and screens available for service at Poplar Point Pumping Station is reported in Section 2 of the CSS Quarterly report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 15, V.12.e.(v)	<u>Potomac Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 460 mgd.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 17, V.13.b	<u>Facilitate Reports from Public of Dry Weather Overflows</u> <ul style="list-style-type: none"> <li>• Include DWO information on water/sewer bill inserts.</li> <li>• Staff and maintain phone line to receive reports on DWOs.</li> </ul>	Ongoing after 10/10/03	<ul style="list-style-type: none"> <li>• DWO information is included on all water/sewer bill inserts for CSO program.</li> <li>• Phone line and staff remain in operation to receive DWO reports.</li> </ul>

### ON-GOING ACTIVITIES

Reference	Requirement	Due Date	Status
p. 18, V.14.	<u>Control of Solids and Floatable Material in CSOs</u> Conduct visual wet weather surveys at outfalls 009 through 012 to assess the extent of floatables discharged.	Ongoing after 10/10/03	Visual surveys completed in the quarter are included in Section 5 of the CSS Quarterly Report, which is available on WASA's web site, and is reported to EPA with the monthly NPDES report.
p. 18, V.15.	<u>Pollution Prevention Programs</u> Maintain the MS4 pollution prevention programs.	Ongoing after 10/10/03	The MS4 Pollution Prevention Program is being maintained and updated. The program produces an annual report
p. 18, V.15.	<u>Pollution Prevention Programs</u> Continue to periodically educate the public about pollution prevention through its newsletters and web site.	Ongoing after 10/10/03	Information about pollution prevention is included on WASA website. In addition, twice a year, informational pamphlets are included in the water/sewer bills mailed to citizens.
p. 19, V.16.a.(i)	<u>Public Notification – CSO Signs</u> Conduct monthly inspections of CSO warning signs and replace, repair or clear obstructions as required.	Monthly	Inspection and replacement of signs is documented in Section 2 of the CSS Quarterly Reports, available on WASA's web site.
p. 21, V.16.b.	<u>Public Notification – Web Site</u> Maintain general info on CSOs, 12 most current CSS Quarterly Reports, and annual/quarterly CSO discharge volumes.	Ongoing after 10/10/03	This information is on WASA's web site, and it is updated regularly.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	CSO informational pamphlets were distributed to citizens with their water/sewer bill twice in 2004, 2005, 2006, 2007 and 2008 and in April 2009.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	CSO informational pamphlets were mailed to local marinas twice in 2004, 2005, 2006, 2007 and 2008 and in April 2009.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 24, V.17.a.	<u>Monitoring</u> Report CSO overflows at remote (SCADA-monitored) sites.	04/28/04	Information on CSO overflows reported at SCADA-monitored sites is included in Table 2-12 of the CSS Quarterly Reports, available on WASA's web site, and is reported to EPA with the monthly NPDES report.
p. 25, VII.19.(a). (b).(c)	<u>Reporting</u> Submit quarterly consent decree status reports.	28 <sup>th</sup> day of month after end of each calendar quarter	WASA submitted its first Quarterly Report on January 27, 2004 for Quarter No. 4 in 2003 and has submitted a report for each calendar quarter since. This report satisfies the latest reporting requirement.

## 6. REQUIREMENTS COMPLETED IN PRIOR QUARTERS

The following summarizes completed requirements reported in prior quarters.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 8, V.9.a.-j.	<u>Proper Operation and Regular Maintenance</u> Submit a written O&M program to EPA for review and comment but not approval.	06/30/04	Completed. Written O&M program submitted to EPA for review on 6/30/04.
p. 10, V.10.a.(iii)	<u>Replace Inflatable Dams</u> Replace all twelve existing inflatable dams and place all replacement dams in operation.	03/31/04	Completed. All inflatable dams were in operation as of 03/29/04 under Contract 01-0080 issued to Corman Construction Inc.
p. 10, V.10.b.(i) (a-e)(ii)(c.)	<u>Tide Gate Repair &amp; Replacement</u> Repair or replace tide gates at five CSO structures and place in operation.	11/10/03	Completed. All tide gates were placed in operation as of 08/29/03 under Contract 02-0070, Job Number AX01.
p. 11, V.10.d.	<u>Amendments to Sewer System Regulations</u> Recommend sewer regulation amendments to the D.C. Government to limit storm water inflow from any and all new construction and major renovations.	11/10/03	Completed. Three proposed code changes were submitted to the Council of the District of Columbia on October 22, 2003.
p. 14, V.12.b.(ii)	<u>Main &amp; O Pumping Station Rehab</u> Submit documents for required approvals to rehabilitate Main and O Street Pumping Stations to 240 and 45 mgd capacities.	03/01/04	Completed. Documents were submitted to DCRA and the Army Corps of Engineers by the deadline.



REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 13, V.12.b. (iii)	<u>Main &amp; O Pumping Stations</u> Award construction contract for rehabilitation.	04/01/05	Completed. Contract awarded to W.M. Schlosser Company, Inc. on February 23, 2005.
p. 13, V.12.b. (iv)	<u>Main &amp; O Pumping Stations</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	05/01/08	Completed. Written certification provided on April 16, 2008 from Engineer of Record to WASA confirming that the pumping equipment and ancillary systems installed at each station satisfied the requirements set forth in the consent decree.
p. 14, V.12.c.(ii)	<u>East Side Pumping Station</u> Submit documents for the required approvals for the rehabilitation of Eastside Pumping Station to achieve a pumping capacity of 45 mgd.	08/01/04	Completed. Documents were submitted to DCRA on August 13, 2003.
p. 14, V.12.c.(iii)	<u>East Side Pumping Station</u> Award construction contract for rehabilitation.	08/01/04	Construction contract awarded 06/04/04 to Ulliman Schutte Construction, LLC
p. 14, V.12.c.(iv)	<u>East Side Pumping Station</u> Place in operation.	08/01/06	Completed. Pumps placed into service on July 21, 2006.
p. 15, V.12.d.(ii)	<u>Poplar Point Pumping Station</u> Submit pump test data to EPA demonstrating a pumping capacity of 45 mgd at Poplar Point Pumping Station.	11/10/03	Completed. Delivery of the package occurred on 12/02/03.
p. 15, V.12.e.	<u>Potomac Pumping Station Rehab</u> Submit documents for required approvals.	06/01/04	Completed. WASA submitted the Permit Application to DCRA on 5/21/04.
p. 15, V.12.e.(iii)	<u>Potomac Pumping Station</u> Award construction contract for rehabilitation.	09/01/05	Completed. Contract awarded to Ulliman Schutte Construction, LLC on March 14, 2005.
p. 16, V.12.f.(i)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Submit documents for required approvals to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	10/20/03	Completed. Building Permit issued 10/12/01.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 16, V.12.f.(ii)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Award construction contracts to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	07/31/03	Completed. Contract number 02-0130 awarded to W. M. Schlosser Co. Inc. on 07/17/03 for grit removal upgrades.
p. 16, V.12.f.(iii)	<u>Improvements at Blue Plains – Grit Chamber 1&amp;2 and Influent Screens.</u> Placed in operation	07/31/07	Completed on 07/27/07.
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/06	Completed. CCTV completed by due date. No repair or cleaning was required.
p. 17, V.13.a. (i)-(iii)	<u>System Modifications to Prevent DWOs</u> Correct regulator and/or CSS deficiencies to address dry weather overflows at CSO outfalls 007, 027, 005, 020, 023, 015, 014, and 024 and place in operation.	12/31/03	<p>Completed. This item consists of replacement of regulator structures to reduce the likelihood of DWOs at the specified outfalls.</p> <p>Following facilities placed in operation by 11/24/03 under Contract 01-0020 to Corman Construction:</p> <ul style="list-style-type: none"> <li>• CSO 027 – Structure 43a , Potomac &amp; water St NW</li> <li>• CSO 005 – Structure 7, Railroad Ave &amp; W St SE</li> <li>• CSO 020 – Structure 34a, 23<sup>rd</sup> St near C St NW</li> <li>• CSO 014 – Structure 18, 6<sup>th</sup> and M St. SE</li> <li>• CSO 024 – Structure 38a, 30<sup>th</sup> St south of K St NW</li> </ul> <p>Following Structures placed in operation by 12/19/03 under contract to C&amp;F Construction</p> <ul style="list-style-type: none"> <li>• CSO 007 – Structure 9, 13<sup>th</sup> and Ridge SE</li> <li>• CSO 015 – Structure 19 &amp; 19a, 9<sup>th</sup> and M St SE</li> </ul> <p>The following work was completed by WASA prior to June 2003:</p> <ul style="list-style-type: none"> <li>• CSO 023 – Rock Creek P.S., install level sensor to indicate risk of DWO</li> </ul>

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Add DWO information to web site.	10/10/03	Completed. DWO information added to web site on 7/14/03.
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Include DWO information in a pamphlet with the sewer bill.	Semi-annually	2004 – Completed in August and December. 2005 – Completed in April and September. 2006 – Completed in April and October. 2007 – Completed in April and October. 2008 – Completed in April
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Maintain a Customer Service Hotline with staff trained to receive DWO reports.	10/10/03	Completed. Customer Service Hotline made operational, staff trained 07/24/03, 08/27/03 and 08/28/03.
p.17 V.13.b and p.22 V.16.b	<u>Public Notification Requirements</u> WASA shall provide information pamphlets on CSO location and activity.	12/31/05	Semi-Annual information pamphlets were provided to the public; one distribution in April 2005 and another in September 2005. This completes this requirement.
p. 18, V.13.c.(ii) (iii)	<u>DWO Management Program</u> Provide video cameras and training to inspection staff.	10/10/03	Completed. Three JVC digital camcorders were purchased and received on 09/07/00 and training provided for inspection staff on 09/26/00.
p. 18, V.13.d.	<u>Control of Construction Debris</u> Improve coordination with the D.C. Department of the Environment (previously DOH) and the D.C. Department of Consumer and Regulatory Affairs for erosion/sediment control.	10/10/03	Completed. Letter sent to the respective agencies on 07/18/03 seeking to improve coordination regarding control of construction debris and the prevention of its entry into the sewer system. The letter lists opportunities for improvement and better coordination and provides contact personnel and telephone numbers.
p. 20, V.16.a. (ii)	<u>Public Notification; CSO Signs – National Park Service</u> Apply to the National Park Service (NPS) for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. John G. Parsons, Associate Regional Director, for NPS to install the signs. In their letter of 11/25/03, NPS denied approval for placement of new signs.
p. 20, V.16.a.(iii)	<u>CSO Signs – WASA Controlled Sites</u> Install two new signs at WASA controlled CSO outfalls: 009-012 and one sign each at CSO outfalls 001 and 003.	04/07/04	Completed. Signs installed 2/12/04.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – National Zoo</u> Apply to the National Zoo for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Marc M. Mueller, National Zoological Park Resident Engineer, to install the signs. The Zoo approved placement of new signs in their letter of 12/13/03.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – Navy Yard</u> Apply to the Navy Yard for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Thomas P. Lewis Chief, Environmental and Safety Division for the Navy Yard to install the signs. In their letter of 11/17/03, Navy Yard denied approval for placement of new signs.
p. 21, V.16.a. (iv)	<u>Public Notification; CSO Signs – Southeast Federal Center</u> Apply to Southeast Federal Center for a permit to install new CSO sign.	11/10/03	Completed. Made written application on 09/04/03 to Mr. Steven Richard, Director, Service Delivery Support Division for SE Federal Center to install the sign. In their letter of 12/19/03, SE Federal Center denied approval for placement of new signs.
p. 21, V.16.a.(iv)	<u>CSO Signs –National Zoo</u> Install new signs at CSO outfalls 041-045 after approval by National Zoo.	06/10/04	Completed. Signs installed 4/12/04.
pp. 21-22, V.16.b.(i) (a)-(g)	<u>Public Notification – Web site</u> Maintain accurate and up-to-date CSO information on the WASA web site as outlined in the CD.	10/10/03	Completed. Web site updated as outlined in the CD on 07/14/03 and quarterly thereafter.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	2004 – Completed in August and December. 2005 – Completed in April and September. 2006 – Completed in April and October. 2007 – Completed in April and October. 2008 – Completed in April and October
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	2004 – Completed in August and December. 2005 – Completed in April and September. 2006 – Completed in April and October. 2007 – Completed in April and October. 2008 – Completed in April and October

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 23, V.16.b.(iii) (c)(i)	<u>Public Notification - Notification lights</u> Submit documents for required approvals to install and operate CSO warning lights on the Anacostia and Potomac Rivers.	12/31/03	Completed.
p. 23, V.16.b.(iii) (c)(i)	<u>Public Notification – Notification lights</u> Place in Operation.	20 months after receipt of approvals August 21, 2008	Completed. Written certification provided on August 6 <sup>th</sup> from Engineering Program Manager confirming that the CSO Event Indicator Lights were placed in operation on August 4 <sup>th</sup> in compliance with the requirements set forth in the consent decree.
p. 26, VIII.20.	<u>Civil Penalty</u> Pay a penalty of \$250,000 to the U. S. Department of Justice.	11/10/03	Completed. An electronic transfer of \$250,000 to the U.S. Department of Justice was performed on 11/10/03.
p. 27, IX.23.-30.	<u>Supplemental Environmental Projects (SEPs)</u> Submit to EPA detailed scope of work and exact location of SEP.	04/07/04	Completed. WASA submitted its proposed SEP on April 1, 2004. EPA provided comments in a May 18, 2004 letter and in a May 25, 2004 conference call. WASA submitted a revised scope of work addressing EPA's comments on August 23, 2004. WASA received EPA's written approval of the proposed SEP on January 24, 2005.
p. 27, IX.24	<u>Supplemental Environmental Project</u> Place in Operation.	04/10/07	Project placed in service 04/10/07.
p. 30, X.31.	<u>Citizen Community Project</u> Pay the Chesapeake Bay Foundation \$300,000 for the design, installation, and maintenance of green roof demonstration projects.	11/10/03	Completed. An electronic transfer of \$300,000 to the Chesapeake Bay Foundation was performed on 11/10/03.



**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**  
Serving the Public • Protecting the Environment

## **3-Party Consent Decree Status Report: Quarter No. 3 2009**

Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)

**October 2009**

DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY  
Washington, D.C.

*3-Party Consent Decree Status Report*  
Quarter No.3 - 2009

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## 1. INTRODUCTION

The District of Columbia Water and Sewer Authority (WASA or Authority) entered into a Consent Decree (CD) with the U.S. Government and certain citizen plaintiffs to resolve allegations regarding the combined sewer system (CSS). The following consent decree was lodged with and entered by the court on June 25, 2003 and October 10, 2003, respectively:

United States District Court for the District of Columbia  
Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)  
Consent Decree

The CD requires that WASA submit written status reports to the Environmental Protection Agency (EPA) and the citizen plaintiffs by the 28<sup>th</sup> day of the month following the end of each calendar quarter. The CD requires that the following be provided in each status report:

- The due dates and other terms that WASA is required to meet since the date of the last quarterly statement, whether and to what extent WASA has met these requirements, and the reasons for any noncompliance.
- A general description of the work completed within the three-month period, and a projection of work to be performed during the next three-month period.
- All other items as specified in Section V (Compliance Program and Schedules) of the CD including the status of the catch basin cleaning.

This report covers the months July through October 2009, which is Quarter No. 3 in 2009. Note that the CD requires posting certain information on WASA's web site, including the Combined Sewer System (CSS) Quarterly Reports. The web site addresses for these items are as follows:

- WASA's web site: [www.dcwasa.com](http://www.dcwasa.com)
- CSS Quarterly Reports on WASA's web site: [http://www.dcwasa.com/education/css/css\\_reports.cfm](http://www.dcwasa.com/education/css/css_reports.cfm)



## 2. REQUIREMENTS DUE IN CURRENT QUARTER

The following is a status report for requirements due in the current quarter:

REQUIREMENTS DUE IN CURRENT QUARTER			
Reference	Requirement	Due Date	Status
p. 15, V.12.e.(iv)	<u>Potomac Pumping Station</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacity of 460 mgd.	09/01/08	The required equipment has been installed and placed in service. DCWASA issued a letter to the consent decree parties describing problems encountered with certifying the hydraulic capacities of the pumping station. During May, 2009 WASA completed the removal of the crescent plates from the pump intake channels resulting in limited improvement to pump performance. On June 2 and June 25, 2009, meetings were conducted with pump experts to review test results. The experts recommended modeling the pump intake system using computational fluid dynamics (CFD) to assist in determining whether additional work on the pump intakes would improve pump performance. CFD modeling was conducted. Computer runs indicated that straightening vanes installed in the spool pieces below the pump intakes may improve flow conditions. The design of new spool pieces incorporating straightening vanes has been completed, and fabrication of the spool piece for the first pump is underway. During the Quarter WASA has provided monthly updates to the Consent Decree parties on the status of this issue.

### 3. REQUIREMENTS DUE NEXT QUARTER

The following is a status report for requirements due in the next quarter.

REQUIREMENTS DUE NEXT QUARTER			
Reference	Requirement	Due Date	Status
NONE			

### 4. REQUIREMENTS DUE AFTER NEXT QUARTER

The following are requirements due after next quarter. Only those activities which are not addressed in prior tables are include

REQUIREMENTS DUE AFTER NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 12, V.10.e.i	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains.	04/11/11	WASA has awarded a construction contract to rehabilitate the Outfall Sewers in to convey 1076 mgd by the due date.
p. 16, V.12.i.	<u>Inspect the three 60-inch Anacostia Siphons</u> Inspect siphons at least once every ten (10) years and clean and repair as necessary.	07/01/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 29, IX.28	<u>Supplemental Environmental Project</u> Operate and Maintain.	5 yrs after placing in operation April 10, 2012	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 29, IX.27	<u>Supplemental Environmental Project</u> Submit SEP completion report.	5 yrs after placing in operation April 10, 2012	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

## 5. ON-GOING REQUIREMENTS

The following is a status report for requirements that are performed at periodic intervals at an on-going basis.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 4, II.3.	<u>Application and Scope</u> Provide a copy of the Consent Decree (CD) to any consultant or contractor selected to perform any activity required by the CD.	As required	Completed in Quarter No. 4, 2003. WASA will send additional letters and copies of the CD to affected Project Design Engineers (PDEs) as they are retained for other projects required by the CD.
p. 10, V.10.a.(iv)	<u>Replace Inflatable Dams</u> Operate and maintain all inflatable dams.	Ongoing after 04/01/04	Inspection and maintenance of the inflatable dams is performed monthly and is documented in the CSS Quarterly Report, Section 2.5, Table 2-11, which is available on WASA's web site. Wet weather operations are reported on Table 2-12.
p. 10, V.10.b.(i) (a-e)(ii) (d.)(iv)	<u>Tide Gate Repair &amp; Replacement</u> Operate and maintain all tide gates.	Ongoing after 10/10/03	Inspection and maintenance of the tide gates is performed monthly and is documented in the CSS Quarterly Report, Section 2.2, Table 2, which is available on WASA's web site.
p. 12, V.10.e.i	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains.	Quarterly, following EPA's approval letter of 04/11/07	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 12, V.11.	<u>Pretreatment</u> Maintain and update the current pretreatment program as required by the Clean Water Act, Pretreatment Regulations, and the NPDES Permit.	Ongoing after 10/10/03	The Pretreatment Program is being maintained and updated. The program submits reports and updates annually to EPA.

### ON-GOING ACTIVITIES

Reference	Requirement	Due Date	Status
p. 11, V.10.c.	<u>Maximization of Storage in the Collection System – Catch Basins</u> <ul style="list-style-type: none"> <li>○ Clean at least 85 % of the catch basins in CSS at least annually</li> <li>○ Inspect catch basins in CSO areas tributary to the Anacostia River at least two times per year and clean such basins more frequently as indicated by the inspections.</li> </ul>	Annually	Catch basin cleaning totals are reported in WASA's CSS Quarterly report, in Section 4, available on WASA's web site. Calendar year to date totals for this quarter are as follows:
			<div style="text-align: center;">Item No of Catch Basins % of Total</div> <p>Catch Basin in CSS: 10,871 (1)</p> <p>Catch Basins in CSS Cleaned: 12,168 111.9 %</p> <p>Catch Basins in Anacostia CSS: 5,954 (1)</p> <p>Catch Basins in Anacostia CSS Inspected Once: 5,954 100.0 %</p> <p>Catch Basins in Anacostia CSS Inspected Twice: 3,502 58.8 %</p>
			Notes: (1) Catch basin quantities are estimated based on count of catch basins on sewer maps and on experience of field crews.

### ON-GOING ACTIVITIES

Reference	Requirement	Due Date	Status
p. 13, V.12.a.(i) (ii)	<u>Maximization of Flow to the POTW for Treatment</u> Operate and maintain the collection system to maximize flow to Blue Plains and treat all flows conveyed to permit requirements.	Ongoing after 10/10/03	Operation and maintenance status of the collection system and pumping stations is reported in Section 2 of the CSS quarterly report, available on WASA's web site. The pumping stations and collection system have been operated to maximize the flow to Blue Plains within the constraints of the system. During the period covered by this report, the maximum hourly rate to Complete Treatment exceeded 511 mgd, the rate established as the limit for Phases 1 through 7 of the Blue Plains Liquid Process Improvement Program.
p.14.12.b. (v)	<u>Main and O Pumping Station</u> Maintain a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	Ongoing after 04/16/08	The number of pumps and screens available for service at Main and O Pumping Station is reported in Section 2 of the CSS Quarterly Report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 14, V.12.c.(v)	<u>East Side Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 08/01/06	The number of pumps and screens available for service at East Side Pumping Station is reported in Section 2 of the CSS Quarterly Report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 14, V.12.d.(iv)	<u>Poplar Point Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 10/10/03	The number of pumps and screens available for service at Poplar Point Pumping Station is reported in Section 2 of the CSS Quarterly report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 15, V.12.e.(v)	<u>Potomac Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 460 mgd.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 17, V.13.b	<u>Facilitate Reports from Public of Dry Weather Overflows</u> <ul style="list-style-type: none"> <li>• Include DWO information on water/sewer bill inserts.</li> <li>• Staff and maintain phone line to receive reports on DWOs.</li> </ul>	Ongoing after 10/10/03	<ul style="list-style-type: none"> <li>• DWO information is included on all water/sewer bill inserts for CSO program.</li> <li>• Phone line and staff remain in operation to receive DWO reports.</li> </ul>

### ON-GOING ACTIVITIES

Reference	Requirement	Due Date	Status
p. 18, V.14.	<u>Control of Solids and Floatable Material in CSOs</u> Conduct visual wet weather surveys at outfalls 009 through 012 to assess the extent of floatables discharged.	Ongoing after 10/10/03	Visual surveys completed in the quarter are included in Section 5 of the CSS Quarterly Report, which is available on WASA's web site, and is reported to EPA with the monthly NPDES report.
p. 18, V.15.	<u>Pollution Prevention Programs</u> Maintain the MS4 pollution prevention programs.	Ongoing after 10/10/03	The MS4 Pollution Prevention Program is being maintained and updated. The program produces an annual report
p. 18, V.15.	<u>Pollution Prevention Programs</u> Continue to periodically educate the public about pollution prevention through its newsletters and web site.	Ongoing after 10/10/03	Information about pollution prevention is included on WASA website. In addition, twice a year, informational pamphlets are included in the water/sewer bills mailed to citizens.
p. 19, V.16.a.(i)	<u>Public Notification – CSO Signs</u> Conduct monthly inspections of CSO warning signs and replace, repair or clear obstructions as required.	Monthly	Inspection and replacement of signs is documented in Section 2 of the CSS Quarterly Reports, available on WASA's web site.
p. 21, V.16.b.	<u>Public Notification – Web Site</u> Maintain general info on CSOs, 12 most current CSS Quarterly Reports, and annual/quarterly CSO discharge volumes.	Ongoing after 10/10/03	This information is on WASA's web site, and it is updated regularly.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	CSO informational pamphlets were distributed to citizens with their water/sewer bill twice in 2004, 2005, 2006, 2007 and 2008 and in April 2009.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	CSO informational pamphlets were mailed to local marinas twice in 2004, 2005, 2006, 2007 and 2008 and in April 2009.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 24, V.17.a.	<u>Monitoring</u> Report CSO overflows at remote (SCADA-monitored) sites.	04/28/04	Information on CSO overflows reported at SCADA-monitored sites is included in Table 2-12 of the CSS Quarterly Reports, available on WASA's web site, and is reported to EPA with the monthly NPDES report.
p. 25, VII.19.(a). (b).(c)	<u>Reporting</u> Submit quarterly consent decree status reports.	28 <sup>th</sup> day of month after end of each calendar quarter	WASA submitted its first Quarterly Report on January 27, 2004 for Quarter No. 4 in 2003 and has submitted a report for each calendar quarter since. This report satisfies the latest reporting requirement.

## 6. REQUIREMENTS COMPLETED IN PRIOR QUARTERS

The following summarizes completed requirements reported in prior quarters.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 8, V.9.a.-j.	<u>Proper Operation and Regular Maintenance</u> Submit a written O&M program to EPA for review and comment but not approval.	06/30/04	Completed. Written O&M program submitted to EPA for review on 6/30/04.
p. 10, V.10.a.(iii)	<u>Replace Inflatable Dams</u> Replace all twelve existing inflatable dams and place all replacement dams in operation.	03/31/04	Completed. All inflatable dams were in operation as of 03/29/04 under Contract 01-0080 issued to Corman Construction Inc.
p. 10, V.10.b.(i) (a-e)(ii)(c.)	<u>Tide Gate Repair &amp; Replacement</u> Repair or replace tide gates at five CSO structures and place in operation.	11/10/03	Completed. All tide gates were placed in operation as of 08/29/03 under Contract 02-0070, Job Number AX01.
p. 11, V.10.d.	<u>Amendments to Sewer System Regulations</u> Recommend sewer regulation amendments to the D.C. Government to limit storm water inflow from any and all new construction and major renovations.	11/10/03	Completed. Three proposed code changes were submitted to the Council of the District of Columbia on October 22, 2003.
p. 14, V.12.b.(ii)	<u>Main &amp; O Pumping Station Rehab</u> Submit documents for required approvals to rehabilitate Main and O Street Pumping Stations to 240 and 45 mgd capacities.	03/01/04	Completed. Documents were submitted to DCRA and the Army Corps of Engineers by the deadline.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 13, V.12.b. (iii)	<u>Main &amp; O Pumping Stations</u> Award construction contract for rehabilitation.	04/01/05	Completed. Contract awarded to W.M. Schlosser Company, Inc. on February 23, 2005.
p. 13, V.12.b. (iv)	<u>Main &amp; O Pumping Stations</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	05/01/08	Completed. Written certification provided on April 16, 2008 from Engineer of Record to WASA confirming that the pumping equipment and ancillary systems installed at each station satisfied the requirements set forth in the consent decree.
p. 14, V.12.c.(ii)	<u>East Side Pumping Station</u> Submit documents for the required approvals for the rehabilitation of Eastside Pumping Station to achieve a pumping capacity of 45 mgd.	08/01/04	Completed. Documents were submitted to DCRA on August 13, 2003.
p. 14, V.12.c.(iii)	<u>East Side Pumping Station</u> Award construction contract for rehabilitation.	08/01/04	Construction contract awarded 06/04/04 to Ulliman Schutte Construction, LLC
p. 14, V.12.c.(iv)	<u>East Side Pumping Station</u> Place in operation.	08/01/06	Completed. Pumps placed into service on July 21, 2006.
p. 15, V.12.d.(ii)	<u>Poplar Point Pumping Station</u> Submit pump test data to EPA demonstrating a pumping capacity of 45 mgd at Poplar Point Pumping Station.	11/10/03	Completed. Delivery of the package occurred on 12/02/03.
p. 15, V.12.e.	<u>Potomac Pumping Station Rehab</u> Submit documents for required approvals.	06/01/04	Completed. WASA submitted the Permit Application to DCRA on 5/21/04.
p. 15, V.12.e.(iii)	<u>Potomac Pumping Station</u> Award construction contract for rehabilitation.	09/01/05	Completed. Contract awarded to Ulliman Schutte Construction, LLC on March 14, 2005.
p. 16, V.12.f.(i)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Submit documents for required approvals to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	10/20/03	Completed. Building Permit issued 10/12/01.



REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 16, V.12.f.(ii)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Award construction contracts to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	07/31/03	Completed. Contract number 02-0130 awarded to W. M. Schlosser Co. Inc. on 07/17/03 for grit removal upgrades.
p. 16, V.12.f.(iii)	<u>Improvements at Blue Plains – Grit Chamber 1&amp;2 and Influent Screens.</u> Placed in operation	07/31/07	Completed on 07/27/07.
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/06	Completed. CCTV completed by due date. No repair or cleaning was required.
p. 17, V.13.a. (i)-(iii)	<u>System Modifications to Prevent DWOs</u> Correct regulator and/or CSS deficiencies to address dry weather overflows at CSO outfalls 007, 027, 005, 020, 023, 015, 014, and 024 and place in operation.	12/31/03	<p>Completed. This item consists of replacement of regulator structures to reduce the likelihood of DWOs at the specified outfalls.</p> <p>Following facilities placed in operation by 11/24/03 under Contract 01-0020 to Corman Construction:</p> <ul style="list-style-type: none"> <li>• CSO 027 – Structure 43a , Potomac &amp; water St NW</li> <li>• CSO 005 – Structure 7, Railroad Ave &amp; W St SE</li> <li>• CSO 020 – Structure 34a, 23<sup>rd</sup> St near C St NW</li> <li>• CSO 014 – Structure 18, 6<sup>th</sup> and M St. SE</li> <li>• CSO 024 – Structure 38a, 30<sup>th</sup> St south of K St NW</li> </ul> <p>Following Structures placed in operation by 12/19/03 under contract to C&amp;F Construction</p> <ul style="list-style-type: none"> <li>• CSO 007 – Structure 9, 13<sup>th</sup> and Ridge SE</li> <li>• CSO 015 – Structure 19 &amp; 19a, 9<sup>th</sup> and M St SE</li> </ul> <p>The following work was completed by WASA prior to June 2003:</p> <ul style="list-style-type: none"> <li>• CSO 023 – Rock Creek P.S., install level sensor to indicate risk of DWO</li> </ul>

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Add DWO information to web site.	10/10/03	Completed. DWO information added to web site on 7/14/03.
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Include DWO information in a pamphlet with the sewer bill.	Semi-annually	2004 – Completed in August and December. 2005 – Completed in April and September. 2006 – Completed in April and October. 2007 – Completed in April and October. 2008 – Completed in April
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Maintain a Customer Service Hotline with staff trained to receive DWO reports.	10/10/03	Completed. Customer Service Hotline made operational, staff trained 07/24/03, 08/27/03 and 08/28/03.
p.17 V.13.b and p.22 V.16.b	<u>Public Notification Requirements</u> WASA shall provide information pamphlets on CSO location and activity.	12/31/05	Semi-Annual information pamphlets were provided to the public; one distribution in April 2005 and another in September 2005. This completes this requirement.
p. 18, V.13.c.(ii) (iii)	<u>DWO Management Program</u> Provide video cameras and training to inspection staff.	10/10/03	Completed. Three JVC digital camcorders were purchased and received on 09/07/00 and training provided for inspection staff on 09/26/00.
p. 18, V.13.d.	<u>Control of Construction Debris</u> Improve coordination with the D.C. Department of the Environment (previously DOH) and the D.C. Department of Consumer and Regulatory Affairs for erosion/sediment control.	10/10/03	Completed. Letter sent to the respective agencies on 07/18/03 seeking to improve coordination regarding control of construction debris and the prevention of its entry into the sewer system. The letter lists opportunities for improvement and better coordination and provides contact personnel and telephone numbers.
p. 20, V.16.a. (ii)	<u>Public Notification; CSO Signs – National Park Service</u> Apply to the National Park Service (NPS) for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. John G. Parsons, Associate Regional Director, for NPS to install the signs. In their letter of 11/25/03, NPS denied approval for placement of new signs.
p. 20, V.16.a.(iii)	<u>CSO Signs – WASA Controlled Sites</u> Install two new signs at WASA controlled CSO outfalls: 009-012 and one sign each at CSO outfalls 001 and 003.	04/07/04	Completed. Signs installed 2/12/04.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – National Zoo</u> Apply to the National Zoo for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Marc M. Mueller, National Zoological Park Resident Engineer, to install the signs. The Zoo approved placement of new signs in their letter of 12/13/03.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – Navy Yard</u> Apply to the Navy Yard for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Thomas P. Lewis Chief, Environmental and Safety Division for the Navy Yard to install the signs. In their letter of 11/17/03, Navy Yard denied approval for placement of new signs.
p. 21, V.16.a. (iv)	<u>Public Notification; CSO Signs – Southeast Federal Center</u> Apply to Southeast Federal Center for a permit to install new CSO sign.	11/10/03	Completed. Made written application on 09/04/03 to Mr. Steven Richard, Director, Service Delivery Support Division for SE Federal Center to install the sign. In their letter of 12/19/03, SE Federal Center denied approval for placement of new signs.
p. 21, V.16.a.(iv)	<u>CSO Signs –National Zoo</u> Install new signs at CSO outfalls 041-045 after approval by National Zoo.	06/10/04	Completed. Signs installed 4/12/04.
pp. 21-22, V.16.b.(i) (a)-(g)	<u>Public Notification – Web site</u> Maintain accurate and up-to-date CSO information on the WASA web site as outlined in the CD.	10/10/03	Completed. Web site updated as outlined in the CD on 07/14/03 and quarterly thereafter.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	2004 – Completed in August and December. 2005 – Completed in April and September. 2006 – Completed in April and October. 2007 – Completed in April and October. 2008 – Completed in April and October
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	2004 – Completed in August and December. 2005 – Completed in April and September. 2006 – Completed in April and October. 2007 – Completed in April and October. 2008 – Completed in April and October

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 23, V.16.b.(iii) (c)(i)	<u>Public Notification - Notification lights</u> Submit documents for required approvals to install and operate CSO warning lights on the Anacostia and Potomac Rivers.	12/31/03	Completed.
p. 23, V.16.b.(iii) (c)(i)	<u>Public Notification – Notification lights</u> Place in Operation.	20 months after receipt of approvals August 21, 2008	Completed. Written certification provided on August 6 <sup>th</sup> from Engineering Program Manager confirming that the CSO Event Indicator Lights were placed in operation on August 4 <sup>th</sup> in compliance with the requirements set forth in the consent decree.
p. 26, VIII.20.	<u>Civil Penalty</u> Pay a penalty of \$250,000 to the U. S. Department of Justice.	11/10/03	Completed. An electronic transfer of \$250,000 to the U.S. Department of Justice was performed on 11/10/03.
p. 27, IX.23.-30.	<u>Supplemental Environmental Projects (SEPs)</u> Submit to EPA detailed scope of work and exact location of SEP.	04/07/04	Completed. WASA submitted its proposed SEP on April 1, 2004. EPA provided comments in a May 18, 2004 letter and in a May 25, 2004 conference call. WASA submitted a revised scope of work addressing EPA's comments on August 23, 2004. WASA received EPA's written approval of the proposed SEP on January 24, 2005.
p. 27, IX.24	<u>Supplemental Environmental Project</u> Place in Operation.	04/10/07	Project placed in service 04/10/07.
p. 30, X.31.	<u>Citizen Community Project</u> Pay the Chesapeake Bay Foundation \$300,000 for the design, installation, and maintenance of green roof demonstration projects.	11/10/03	Completed. An electronic transfer of \$300,000 to the Chesapeake Bay Foundation was performed on 11/10/03.



**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**  
Serving the Public • Protecting the Environment

## **3-Party Consent Decree Status Report: Quarter No. 4 2009**

Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)

**January 2010**

DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY  
Washington, D.C.

*3-Party Consent Decree Status Report*  
Quarter No.4 - 2009

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## 1. INTRODUCTION

The District of Columbia Water and Sewer Authority (WASA or Authority) entered into a Consent Decree (CD) with the U.S. Government and certain citizen plaintiffs to resolve allegations regarding the combined sewer system (CSS). The following consent decree was lodged with and entered by the court on June 25, 2003 and October 10, 2003, respectively:

United States District Court for the District of Columbia  
Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)  
Consent Decree

The CD requires that WASA submit written status reports to the Environmental Protection Agency (EPA) and the citizen plaintiffs by the 28<sup>th</sup> day of the month following the end of each calendar quarter. The CD requires that the following be provided in each status report:

- The due dates and other terms that WASA is required to meet since the date of the last quarterly statement, whether and to what extent WASA has met these requirements, and the reasons for any noncompliance.
- A general description of the work completed within the three-month period, and a projection of work to be performed during the next three-month period.
- All other items as specified in Section V (Compliance Program and Schedules) of the CD including the status of the catch basin cleaning.

This report covers the months October through December 2009, which is Quarter No. 4 in 2009. Note that the CD requires posting certain information on WASA's web site, including the Combined Sewer System (CSS) Quarterly Reports. The web site addresses for these items are as follows:

- WASA's web site: [www.dcwasa.com](http://www.dcwasa.com)
- CSS Quarterly Reports on WASA's web site: [http://www.dcwasa.com/education/css/css\\_reports.cfm](http://www.dcwasa.com/education/css/css_reports.cfm)

## 2. REQUIREMENTS DUE IN CURRENT QUARTER

The following is a status report for requirements due in the current quarter:

REQUIREMENTS DUE IN CURRENT QUARTER			
Reference	Requirement	Due Date	Status
p. 15, V.12.e.(iv)	<u>Potomac Pumping Station</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacity of 460 mgd.	09/01/08	The experts recommended modeling the pump intake system using computational fluid dynamics (CFD) to assist in determining whether additional work on the pump intakes would improve pump performance. CFD modeling was conducted. Computer runs indicated that straightening vanes installed in the spool pieces below the pump intakes may improve flow conditions. The design of new spool pieces incorporating straightening vanes has been completed. The spool piece for one pump has been installed. During the Quarter WASA has provided monthly updates to the Consent Decree parties on the status of this issue.



### 3. REQUIREMENTS DUE NEXT QUARTER

The following is a status report for requirements due the next quarter.

REQUIREMENTS DUE NEXT QUARTER			
Reference	Requirement	Due Date	Status
NONE			

### 4. REQUIREMENTS DUE AFTER NEXT QUARTER

The following are requirements due after next quarter. Only those activities which are not addressed in prior tables are include

REQUIREMENTS DUE AFTER NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 12, V.10.e.i	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains.	04/11/11	WASA has awarded a construction contract to rehabilitate the Outfall Sewers in to convey 1076 mgd by the due date.
p. 16, V.12.i.	<u>Inspect the three 60-inch Anacostia Siphons</u> Inspect siphons at least once every ten (10) years and clean and repair as necessary.	07/01/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 29, IX.28	<u>Supplemental Environmental Project</u> Operate and Maintain.	5 yrs after placing in operation April 10, 2012	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 29, IX.27	<u>Supplemental Environmental Project</u> Submit SEP completion report.	5 yrs after placing in operation April 10, 2012	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.

## 5. ON-GOING REQUIREMENTS

The following is a status report for requirements that are performed at periodic intervals at an on-going basis.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 4, II.3.	<u>Application and Scope</u> Provide a copy of the Consent Decree (CD) to any consultant or contractor selected to perform any activity required by the CD.	As required	Completed in Quarter No. 4, 2003. WASA will send additional letters and copies of the CD to affected Project Design Engineers (PDEs) as they are retained for other projects required by the CD.
p. 10, V.10.a.(iv)	<u>Replace Inflatable Dams</u> Operate and maintain all inflatable dams.	Ongoing after 04/01/04	Inspection and maintenance of the inflatable dams is performed monthly and is documented in the CSS Quarterly Report, Section 2.5, Table 2-11, which is available on WASA's web site. Wet weather operations are reported on Table 2-12.
p. 10, V.10.b.(i) (a-e)(ii) (d.)(iv)	<u>Tide Gate Repair &amp; Replacement</u> Operate and maintain all tide gates.	Ongoing after 10/10/03	Inspection and maintenance of the tide gates is performed monthly and is documented in the CSS Quarterly Report, Section 2.2, Table 2, which is available on WASA's web site.
p. 12, V.10.e.i	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains.	Quarterly, following EPA's approval letter of 04/11/07	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 12, V.11.	<u>Pretreatment</u> Maintain and update the current pretreatment program as required by the Clean Water Act, Pretreatment Regulations, and the NPDES Permit.	Ongoing after 10/10/03	The Pretreatment Program is being maintained and updated. The program submits reports and updates annually to EPA.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 11, V.10.c.	<u>Maximization of Storage in the Collection System – Catch Basins</u> <ul style="list-style-type: none"> <li>○ Clean at least 85 % of the catch basins in CSS at least annually</li> <li>○ Inspect catch basins in CSO areas tributary to the Anacostia River at least two times per year and clean such basins more frequently as indicated by the inspections.</li> </ul>	Annually	Catch basin cleaning totals are reported in WASA's CSS Quarterly report, in Section 4, available on WASA's web site. Calendar year to date totals for this quarter are as follows:
			<div>Item</div> <div>No of Catch Basins</div> <div>% of Total</div> Catch Basin in CSS: 10,871 (1)  Catch Basins in CSS Cleaned: 16,589 152.6%  Catch Basins in Anacostia CSS: 5,954 (1)  Catch Basins in Anacostia CSS Inspected Once: 5,954 100.0 %  Catch Basins in Anacostia CSS Inspected Twice: 5,954 100%
			Notes: (1) Catch basin quantities are estimated based on count of catch basins on sewer maps and on experience of field crews.

### ON-GOING ACTIVITIES

Reference	Requirement	Due Date	Status
p. 13, V.12.a.(i) (ii)	<u>Maximization of Flow to the POTW for Treatment</u> Operate and maintain the collection system to maximize flow to Blue Plains and treat all flows conveyed to permit requirements.	Ongoing after 10/10/03	Operation and maintenance status of the collection system and pumping stations is reported in Section 2 of the CSS quarterly report, available on WASA's web site. The pumping stations and collection system have been operated to maximize the flow to Blue Plains within the constraints of the system. During the period covered by this report, the maximum hourly rate to Complete Treatment exceeded 511 mgd, the rate established as the limit for Phases 1 through 7 of the Blue Plains Liquid Process Improvement Program.
p.14.12.b. (v)	<u>Main and O Pumping Station</u> Maintain a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	Ongoing after 04/16/08	The number of pumps and screens available for service at Main and O Pumping Station is reported in Section 2 of the CSS Quarterly Report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 14, V.12.c.(v)	<u>East Side Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 08/01/06	The number of pumps and screens available for service at East Side Pumping Station is reported in Section 2 of the CSS Quarterly Report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 14, V.12.d.(iv)	<u>Poplar Point Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 10/10/03	The number of pumps and screens available for service at Poplar Point Pumping Station is reported in Section 2 of the CSS Quarterly report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 15, V.12.e.(v)	<u>Potomac Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 460 mgd.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 17, V.13.b	<u>Facilitate Reports from Public of Dry Weather Overflows</u> <ul style="list-style-type: none"> <li>• Include DWO information on water/sewer bill inserts.</li> <li>• Staff and maintain phone line to receive reports on DWOs.</li> </ul>	Ongoing after 10/10/03	<ul style="list-style-type: none"> <li>• DWO information is included on all water/sewer bill inserts for CSO program.</li> <li>• Phone line and staff remain in operation to receive DWO reports.</li> </ul>

### ON-GOING ACTIVITIES

Reference	Requirement	Due Date	Status
p. 18, V.14.	<u>Control of Solids and Floatable Material in CSOs</u> Conduct visual wet weather surveys at outfalls 009 through 012 to assess the extent of floatables discharged.	Ongoing after 10/10/03	Visual surveys completed in the quarter are included in Section 5 of the CSS Quarterly Report, which is available on WASA's web site, and is reported to EPA with the monthly NPDES report.
p. 18, V.15.	<u>Pollution Prevention Programs</u> Maintain the MS4 pollution prevention programs.	Ongoing after 10/10/03	The MS4 Pollution Prevention Program is being maintained and updated. The program produces an annual report.
p. 18, V.15.	<u>Pollution Prevention Programs</u> Continue to periodically educate the public about pollution prevention through its newsletters and web site.	Ongoing after 10/10/03	Information about pollution prevention is included on WASA's website. In addition, twice a year, informational pamphlets are included in the water/sewer bills mailed to citizens.
p. 19, V.16.a.(i)	<u>Public Notification – CSO Signs</u> Conduct monthly inspections of CSO warning signs and replace, repair or clear obstructions as required.	Monthly	Inspection and replacement of signs is documented in Section 2 of the CSS Quarterly Reports, available on WASA's web site.
p. 21, V.16.b.	<u>Public Notification – Web Site</u> Maintain general info on CSOs, 12 most current CSS Quarterly Reports, and annual/quarterly CSO discharge volumes.	Ongoing after 10/10/03	This information is on WASA's web site, and it is updated regularly.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	CSO informational pamphlets were distributed to citizens with their water/sewer bill twice in 2004, 2005, 2006, 2007, 2008 and 2009.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	CSO informational pamphlets were mailed to local marinas twice in 2004, 2005, 2006, 2007 and 2008 and in April and October 2009.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 24, V.17.a.	<u>Monitoring</u> Report CSO overflows at remote (SCADA-monitored) sites.	04/28/04	Information on CSO overflows reported at SCADA-monitored sites is included in Table 2-12 of the CSS Quarterly Reports, available on WASA's web site, and is reported to EPA with the monthly NPDES report.
p. 25, VII.19.(a). (b).(c)	<u>Reporting</u> Submit quarterly consent decree status reports.	28 <sup>th</sup> day of month after end of each calendar quarter	WASA submitted its first Quarterly Report on January 27, 2004 for Quarter No. 4 in 2003 and has submitted a report for each calendar quarter since. This report satisfies the latest reporting requirement.

## 6. REQUIREMENTS COMPLETED IN PRIOR QUARTERS

The following summarizes completed requirements reported in prior quarters.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 8, V.9.a.-j.	<u>Proper Operation and Regular Maintenance</u> Submit a written O&M program to EPA for review and comment but not approval.	06/30/04	Completed. Written O&M program submitted to EPA for review on 6/30/04.
p. 10, V.10.a.(iii)	<u>Replace Inflatable Dams</u> Replace all twelve existing inflatable dams and place all replacement dams in operation.	03/31/04	Completed. All inflatable dams were in operation as of 03/29/04 under Contract 01-0080 issued to Corman Construction Inc.
p. 10, V.10.b.(i) (a-e)(ii)(c.)	<u>Tide Gate Repair &amp; Replacement</u> Repair or replace tide gates at five CSO structures and place in operation.	11/10/03	Completed. All tide gates were placed in operation as of 08/29/03 under Contract 02-0070, Job Number AX01.
p. 11, V.10.d.	<u>Amendments to Sewer System Regulations</u> Recommend sewer regulation amendments to the D.C. Government to limit storm water inflow from any and all new construction and major renovations.	11/10/03	Completed. Three proposed code changes were submitted to the Council of the District of Columbia on October 22, 2003.
p. 14, V.12.b.(ii)	<u>Main &amp; O Pumping Station Rehab</u> Submit documents for required approvals to rehabilitate Main and O Street Pumping Stations to 240 and 45 mgd capacities.	03/01/04	Completed. Documents were submitted to DCRA and the Army Corps of Engineers by the deadline.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 13, V.12.b. (iii)	<u>Main &amp; O Pumping Stations</u> Award construction contract for rehabilitation.	04/01/05	Completed. Contract awarded to W.M. Schlosser Company, Inc. on February 23, 2005.
p. 13, V.12.b. (iv)	<u>Main &amp; O Pumping Stations</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	05/01/08	Completed. Written certification provided on April 16, 2008 from Engineer of Record to WASA confirming that the pumping equipment and ancillary systems installed at each station satisfied the requirements set forth in the consent decree.
p. 14, V.12.c.(ii)	<u>East Side Pumping Station</u> Submit documents for the required approvals for the rehabilitation of Eastside Pumping Station to achieve a pumping capacity of 45 mgd.	08/01/04	Completed. Documents were submitted to DCRA on August 13, 2003.
p. 14, V.12.c.(iii)	<u>East Side Pumping Station</u> Award construction contract for rehabilitation.	08/01/04	Construction contract awarded 06/04/04 to Ulliman Schutte Construction, LLC
p. 14, V.12.c.(iv)	<u>East Side Pumping Station</u> Place in operation.	08/01/06	Completed. Pumps placed into service on July 21, 2006.
p. 15, V.12.d.(ii)	<u>Poplar Point Pumping Station</u> Submit pump test data to EPA demonstrating a pumping capacity of 45 mgd at Poplar Point Pumping Station.	11/10/03	Completed. Delivery of the package occurred on 12/02/03.
p. 15, V.12.e.	<u>Potomac Pumping Station Rehab</u> Submit documents for required approvals.	06/01/04	Completed. WASA submitted the Permit Application to DCRA on 5/21/04.
p. 15, V.12.e.(iii)	<u>Potomac Pumping Station</u> Award construction contract for rehabilitation.	09/01/05	Completed. Contract awarded to Ulliman Schutte Construction, LLC on March 14, 2005.
p. 16, V.12.f.(i)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Submit documents for required approvals to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	10/20/03	Completed. Building Permit issued 10/12/01.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 16, V.12.f.(ii)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Award construction contracts to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	07/31/03	Completed. Contract number 02-0130 awarded to W. M. Schlosser Co. Inc. on 07/17/03 for grit removal upgrades.
p. 16, V.12.f.(iii)	<u>Improvements at Blue Plains – Grit Chamber 1&amp;2 and Influent Screens.</u> Placed in operation	07/31/07	Completed on 07/27/07.
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/06	Completed. CCTV completed by due date. No repair or cleaning was required.
p. 17, V.13.a. (i)-(iii)	<u>System Modifications to Prevent DWOs</u> Correct regulator and/or CSS deficiencies to address dry weather overflows at CSO outfalls 007, 027, 005, 020, 023, 015, 014, and 024 and place in operation.	12/31/03	<p>Completed. This item consists of replacement of regulator structures to reduce the likelihood of DWOs at the specified outfalls.</p> <p>Following facilities placed in operation by 11/24/03 under Contract 01-0020 to Corman Construction:</p> <ul style="list-style-type: none"> <li>• CSO 027 – Structure 43a , Potomac &amp; water St NW</li> <li>• CSO 005 – Structure 7, Railroad Ave &amp; W St SE</li> <li>• CSO 020 – Structure 34a, 23<sup>rd</sup> St near C St NW</li> <li>• CSO 014 – Structure 18, 6<sup>th</sup> and M St. SE</li> <li>• CSO 024 – Structure 38a, 30<sup>th</sup> St south of K St NW</li> </ul> <p>Following Structures placed in operation by 12/19/03 under contract to C&amp;F Construction</p> <ul style="list-style-type: none"> <li>• CSO 007 – Structure 9, 13<sup>th</sup> and Ridge SE</li> <li>• CSO 015 – Structure 19 &amp; 19a, 9<sup>th</sup> and M St SE</li> </ul> <p>The following work was completed by WASA prior to June 2003:</p> <ul style="list-style-type: none"> <li>• CSO 023 – Rock Creek P.S., install level sensor to indicate risk of DWO</li> </ul>



REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Add DWO information to web site.	10/10/03	Completed. DWO information added to web site on 7/14/03.
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Include DWO information in a pamphlet with the sewer bill.	Semi-annually	2004 – Completed in August and December. 2005 – Completed in April and September. 2006 – Completed in April and October. 2007 – Completed in April and October. 2008 – Completed in April and October. 2009 – Completed in April.
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Maintain a Customer Service Hotline with staff trained to receive DWO reports.	10/10/03	Completed. Customer Service Hotline made operational, staff trained 07/24/03, 08/27/03 and 08/28/03.
p.17 V.13.b and p.22 V.16.b	<u>Public Notification Requirements</u> WASA shall provide information pamphlets on CSO location and activity.	12/31/05	Semi-Annual information pamphlets were provided to the public; one distribution in April 2005 and another in September 2005. This completes this requirement.
p. 18, V.13.c.(ii) (iii)	<u>DWO Management Program</u> Provide video cameras and training to inspection staff.	10/10/03	Completed. Three JVC digital camcorders were purchased and received on 09/07/00 and training provided for inspection staff on 09/26/00.
p. 18, V.13.d.	<u>Control of Construction Debris</u> Improve coordination with the D.C. Department of the Environment (previously DOH) and the D.C. Department of Consumer and Regulatory Affairs for erosion/sediment control.	10/10/03	Completed. Letter sent to the respective agencies on 07/18/03 seeking to improve coordination regarding control of construction debris and the prevention of its entry into the sewer system. The letter lists opportunities for improvement and better coordination and provides contact personnel and telephone numbers.
p. 20, V.16.a. (ii)	<u>Public Notification; CSO Signs – National Park Service</u> Apply to the National Park Service (NPS) for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. John G. Parsons, Associate Regional Director, for NPS to install the signs. In their letter of 11/25/03, NPS denied approval for placement of new signs.
p. 20, V.16.a.(iii)	<u>CSO Signs – WASA Controlled Sites</u> Install two new signs at WASA controlled CSO outfalls: 009-012 and one sign each at CSO outfalls 001 and 003.	04/07/04	Completed. Signs installed 2/12/04.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – National Zoo</u> Apply to the National Zoo for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Marc M. Mueller, National Zoological Park Resident Engineer, to install the signs. The Zoo approved placement of new signs in their letter of 12/13/03.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – Navy Yard</u> Apply to the Navy Yard for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Thomas P. Lewis Chief, Environmental and Safety Division for the Navy Yard to install the signs. In their letter of 11/17/03, Navy Yard denied approval for placement of new signs.
p. 21, V.16.a. (iv)	<u>Public Notification; CSO Signs – Southeast Federal Center</u> Apply to Southeast Federal Center for a permit to install new CSO sign.	11/10/03	Completed. Made written application on 09/04/03 to Mr. Steven Richard, Director, Service Delivery Support Division for SE Federal Center to install the sign. In their letter of 12/19/03, SE Federal Center denied approval for placement of new signs.
p. 21, V.16.a.(iv)	<u>CSO Signs –National Zoo</u> Install new signs at CSO outfalls 041-045 after approval by National Zoo.	06/10/04	Completed. Signs installed 4/12/04.
pp. 21-22, V.16.b.(i) (a)-(g)	<u>Public Notification – Web site</u> Maintain accurate and up-to-date CSO information on the WASA web site as outlined in the CD.	10/10/03	Completed. Web site updated as outlined in the CD on 07/14/03 and quarterly thereafter.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	2004 – Completed in August and December. 2005 – Completed in April and September. 2006 – Completed in April and October. 2007 – Completed in April and October. 2008 – Completed in April and October. 2009 – Completed in April.

### REQUIREMENTS COMPLETED IN PRIOR QUARTERS

Reference	Requirement	Due Date	Status
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	2004 – Completed in August and December. 2005 – Completed in April and September. 2006 – Completed in April and October. 2007 – Completed in April and October. 2008 – Completed in April and October. 2009 – Completed in April.
p. 23, V.16.b.(iii) (c)(i)	<u>Public Notification - Notification lights</u> Submit documents for required approvals to install and operate CSO warning lights on the Anacostia and Potomac Rivers.	12/31/03	Completed.
p. 23, V.16.b.(iii) (c)(i)	<u>Public Notification – Notification lights</u> Place in Operation.	20 months after receipt of approvals August 21, 2008	Completed. Written certification provided on August 6 <sup>th</sup> from Engineering Program Manager confirming that the CSO Event Indicator Lights were placed in operation on August 4 <sup>th</sup> in compliance with the requirements set forth in the consent decree.
p. 26, VIII.20.	<u>Civil Penalty</u> Pay a penalty of \$250,000 to the U. S. Department of Justice.	11/10/03	Completed. An electronic transfer of \$250,000 to the U.S. Department of Justice was performed on 11/10/03.
p. 27, IX.23.-30.	<u>Supplemental Environmental Projects (SEPs)</u> Submit to EPA detailed scope of work and exact location of SEP.	04/07/04	Completed. WASA submitted its proposed SEP on April 1, 2004. EPA provided comments in a May 18, 2004 letter and in a May 25, 2004 conference call. WASA submitted a revised scope of work addressing EPA's comments on August 23, 2004. WASA received EPA's written approval of the proposed SEP on January 24, 2005.
p. 27, IX.24	<u>Supplemental Environmental Project</u> Place in Operation.	04/10/07	Project placed in service 04/10/07.
p. 30, X.31.	<u>Citizen Community Project</u> Pay the Chesapeake Bay Foundation \$300,000 for the design, installation, and maintenance of green roof demonstration projects.	11/10/03	Completed. An electronic transfer of \$300,000 to the Chesapeake Bay Foundation was performed on 11/10/03.



**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**  
Serving the Public • Protecting the Environment

## **3-Party Consent Decree Status Report: Quarter No. 1 2010**

Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)

**April 2010**

DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY  
Washington, D.C.

*3-Party Consent Decree Status Report*  
Quarter No.1 - 2010

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## 1. INTRODUCTION

The District of Columbia Water and Sewer Authority (WASA or Authority) entered into a Consent Decree (CD) with the U.S. Government and certain citizen plaintiffs to resolve allegations regarding the combined sewer system (CSS). The following consent decree was lodged with and entered by the court on June 25, 2003 and October 10, 2003, respectively:

United States District Court for the District of Columbia  
Civil Action No. 1:00CV00183TFH  
Civil Action No. 02-2511 (TFH)  
Consent Decree

The CD requires that WASA submit written status reports to the Environmental Protection Agency (EPA) and the citizen plaintiffs by the 28<sup>th</sup> day of the month following the end of each calendar quarter. The CD requires that the following be provided in each status report:

- The due dates and other terms that WASA is required to meet since the date of the last quarterly statement, whether and to what extent WASA has met these requirements, and the reasons for any noncompliance.
- A general description of the work completed within the three-month period, and a projection of work to be performed during the next three-month period.
- All other items as specified in Section V (Compliance Program and Schedules) of the CD including the status of the catch basin cleaning.

This report covers the months January through March 2010, which is Quarter No. 1 in 2010. Note that the CD requires posting certain information on WASA's web site, including the Combined Sewer System (CSS) Quarterly Reports. The web site addresses for these items are as follows:

- WASA's web site: [www.dcwasa.com](http://www.dcwasa.com)
- CSS Quarterly Reports on WASA's web site: [http://www.dcwasa.com/education/css/css\\_reports.cfm](http://www.dcwasa.com/education/css/css_reports.cfm)

## 2. REQUIREMENTS DUE IN CURRENT QUARTER

The following is a status report for requirements due in the current quarter:

REQUIREMENTS DUE IN CURRENT QUARTER			
Reference	Requirement	Due Date	Status
p. 15, V.12.e.(iv)	<u>Potomac Pumping Station</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacity of 460 mgd.	09/01/08	The experts recommended modeling the pump intake system using computational fluid dynamics (CFD) to assist in determining whether additional work on the pump intakes would improve pump performance. CFD modeling was conducted. Computer runs indicated that straightening vanes installed in the spool pieces below the pump intakes may improve flow conditions. The design of new spool pieces incorporating straightening vanes has been completed. The spool piece for one pump has been installed and tested. The remaining two spool pieces are being fabricated. Installation will follow.

### 3. REQUIREMENTS DUE NEXT QUARTER

The following is a status report for requirements due the next quarter.

REQUIREMENTS DUE NEXT QUARTER			
Reference	Requirement	Due Date	Status
NONE			

### 4. REQUIREMENTS DUE AFTER NEXT QUARTER

The following are requirements due after next quarter. Only those activities which are not addressed in prior tables are include

REQUIREMENTS DUE AFTER NEXT QUARTER			
Reference	Requirement	Due Date	Status
p. 12, V.10.e.i	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains.	04/11/11	WASA has awarded a construction contract to rehabilitate the Outfall Sewers in to convey 1076 mgd by the due date.
p. 16, V.12.i.	<u>Inspect the three 60-inch Anacostia Siphons</u> Inspect siphons at least once every ten (10) years and clean and repair as necessary.	07/01/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/11	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 29, IX.28	<u>Supplemental Environmental Project</u> Operate and Maintain.	5 yrs after placing in operation April 10, 2012	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 29, IX.27	<u>Supplemental Environmental Project</u> Submit SEP completion report.	5 yrs after placing in operation April 10, 2012	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.



## 5. ON-GOING REQUIREMENTS

The following is a status report for requirements that are performed at periodic intervals at an on-going basis.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 4, II.3.	<u>Application and Scope</u> Provide a copy of the Consent Decree (CD) to any consultant or contractor selected to perform any activity required by the CD.	As required	Completed in Quarter No. 4, 2003. WASA will send additional letters and copies of the CD to affected Project Design Engineers (PDEs) as they are retained for other projects required by the CD.
p. 10, V.10.a.(iv)	<u>Replace Inflatable Dams</u> Operate and maintain all inflatable dams.	Ongoing after 04/01/04	Inspection and maintenance of the inflatable dams is performed monthly and is documented in the CSS Quarterly Report, Section 2.5, Table 2-11, which is available on WASA's web site. Wet weather operations are reported on Table 2-12.
p. 10, V.10.b.(i) (a-e)(ii) (d.)(iv)	<u>Tide Gate Repair &amp; Replacement</u> Operate and maintain all tide gates.	Ongoing after 10/10/03	Inspection and maintenance of the tide gates is performed monthly and is documented in the CSS Quarterly Report, Section 2.2, Table 2, which is available on WASA's web site.
p. 12, V.10.e.i	<u>Assurance of Conveyance Capacity</u> Ensure collections system has capacity to convey 1076 mgd to Blue Plains.	Quarterly, following EPA's approval letter of 04/11/07	WASA is monitoring the activity associated with this requirement and based on the information currently available, expects to meet the deadline.
p. 12, V.11.	<u>Pretreatment</u> Maintain and update the current pretreatment program as required by the Clean Water Act, Pretreatment Regulations, and the NPDES Permit.	Ongoing after 10/10/03	The Pretreatment Program is being maintained and updated. The program submits reports and updates annually to EPA.

### ON-GOING ACTIVITIES

Reference	Requirement	Due Date	Status
p. 11, V.10.c.	<u>Maximization of Storage in the Collection System – Catch Basins</u> <ul style="list-style-type: none"> <li>○ Clean at least 85 % of the catch basins in CSS at least annually</li> <li>○ Inspect catch basins in CSO areas tributary to the Anacostia River at least two times per year and clean such basins more frequently as indicated by the inspections.</li> </ul>	Annually	Catch basin cleaning totals are reported in WASA's CSS Quarterly report, in Section 4, available on WASA's web site. Calendar year to date totals for this quarter are as follows:
			<div style="text-align: center;">Item No of Catch Basins % of Total</div> <p>Catch Basin in CSS: 10,871 (1)</p> <p>Catch Basins in CSS Cleaned: 2,852 26.2%</p> <p>Catch Basins in Anacostia CSS: 5,954 (1)</p> <p>Catch Basins in Anacostia CSS Inspected Once: 1,301 21.8 %</p> <p>Catch Basins in Anacostia CSS Inspected Twice: 0 0.0%</p>
			Notes: (1) Catch basin quantities are estimated based on count of catch basins on sewer maps and on experience of field crews.

### ON-GOING ACTIVITIES

Reference	Requirement	Due Date	Status
p. 13, V.12.a.(i) (ii)	<u>Maximization of Flow to the POTW for Treatment</u> Operate and maintain the collection system to maximize flow to Blue Plains and treat all flows conveyed to permit requirements.	Ongoing after 10/10/03	Operation and maintenance status of the collection system and pumping stations is reported in Section 2 of the CSS quarterly report, available on WASA's web site. The pumping stations and collection system have been operated to maximize the flow to Blue Plains within the constraints of the system. During the period covered by this report, the maximum hourly rate to Complete Treatment exceeded 511 mgd, the rate established as the limit for Phases 1 through 7 of the Blue Plains Liquid Process Improvement Program.
p.14.12.b. (v)	<u>Main and O Pumping Station</u> Maintain a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	Ongoing after 04/16/08	The number of pumps and screens available for service at Main and O Pumping Station is reported in Section 2 of the CSS Quarterly Report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 14, V.12.c.(v)	<u>East Side Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 08/01/06	The number of pumps and screens available for service at East Side Pumping Station is reported in Section 2 of the CSS Quarterly Report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 14, V.12.d.(iv)	<u>Poplar Point Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 45 mgd.	Ongoing after 10/10/03	The number of pumps and screens available for service at Poplar Point Pumping Station is reported in Section 2 of the CSS Quarterly report, available at WASA's web site. The report shows that the station's firm capacity was available for the period covered by this report.
p. 15, V.12.e.(v)	<u>Potomac Pumping Station</u> Maintain a Firm Sanitary Pumping Capacity of 460 mgd.	Ongoing after rehab complete	This requirement takes effect after the rehabilitation is completed.
p. 17, V.13.b	<u>Facilitate Reports from Public of Dry Weather Overflows</u> <ul style="list-style-type: none"> <li>• Include DWO information on water/sewer bill inserts.</li> <li>• Staff and maintain phone line to receive reports on DWOs.</li> </ul>	Ongoing after 10/10/03	<ul style="list-style-type: none"> <li>• DWO information is included on all water/sewer bill inserts for CSO program.</li> <li>• Phone line and staff remain in operation to receive DWO reports.</li> </ul>

### ON-GOING ACTIVITIES

Reference	Requirement	Due Date	Status
p. 18, V.14.	<u>Control of Solids and Floatable Material in CSOs</u> Conduct visual wet weather surveys at outfalls 009 through 012 to assess the extent of floatables discharged.	Ongoing after 10/10/03	Visual surveys completed in the quarter are included in Section 5 of the CSS Quarterly Report, which is available on WASA's web site, and is reported to EPA with the monthly NPDES report.
p. 18, V.15.	<u>Pollution Prevention Programs</u> Maintain the MS4 pollution prevention programs.	Ongoing after 10/10/03	The MS4 Pollution Prevention Program is being maintained and updated. The program produces an annual report.
p. 18, V.15.	<u>Pollution Prevention Programs</u> Continue to periodically educate the public about pollution prevention through its newsletters and web site.	Ongoing after 10/10/03	Information about pollution prevention is included on WASA's website. In addition, twice a year, informational pamphlets are included in the water/sewer bills mailed to citizens.
p. 19, V.16.a.(i)	<u>Public Notification – CSO Signs</u> Conduct monthly inspections of CSO warning signs and replace, repair or clear obstructions as required.	Monthly	Inspection and replacement of signs is documented in Section 2 of the CSS Quarterly Reports, available on WASA's web site.
p. 21, V.16.b.	<u>Public Notification – Web Site</u> Maintain general info on CSOs, 12 most current CSS Quarterly Reports, and annual/quarterly CSO discharge volumes.	Ongoing after 10/10/03	This information is on WASA's web site, and it is updated regularly.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	CSO informational pamphlets were distributed to citizens with their water/sewer bill twice in 2004, 2005, 2006, 2007 and 2008 and in April and October 2009.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	CSO informational pamphlets were mailed to local marinas twice in 2004, 2005, 2006, 2007 and 2008 and in April and October 2009.

ON-GOING ACTIVITIES			
Reference	Requirement	Due Date	Status
p. 24, V.17.a.	<u>Monitoring</u> Report CSO overflows at remote (SCADA-monitored) sites.	04/28/04	Information on CSO overflows reported at SCADA-monitored sites is included in Table 2-12 of the CSS Quarterly Reports, available on WASA's web site, and is reported to EPA with the monthly NPDES report.
p. 25, VII.19.(a). (b).(c)	<u>Reporting</u> Submit quarterly consent decree status reports.	28 <sup>th</sup> day of month after end of each calendar quarter	WASA submitted its first Quarterly Report on January 27, 2004 for Quarter No. 4 in 2003 and has submitted a report for each calendar quarter since. This report satisfies the latest reporting requirement.

## 6. REQUIREMENTS COMPLETED IN PRIOR QUARTERS

The following summarizes completed requirements reported in prior quarters.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 8, V.9.a.-j.	<u>Proper Operation and Regular Maintenance</u> Submit a written O&M program to EPA for review and comment but not approval.	06/30/04	Completed. Written O&M program submitted to EPA for review on 6/30/04.
p. 10, V.10.a.(iii)	<u>Replace Inflatable Dams</u> Replace all twelve existing inflatable dams and place all replacement dams in operation.	03/31/04	Completed. All inflatable dams were in operation as of 03/29/04 under Contract 01-0080 issued to Corman Construction Inc.
p. 10, V.10.b.(i) (a-e)(ii)(c.)	<u>Tide Gate Repair &amp; Replacement</u> Repair or replace tide gates at five CSO structures and place in operation.	11/10/03	Completed. All tide gates were placed in operation as of 08/29/03 under Contract 02-0070, Job Number AX01.
p. 11, V.10.d.	<u>Amendments to Sewer System Regulations</u> Recommend sewer regulation amendments to the D.C. Government to limit storm water inflow from any and all new construction and major renovations.	11/10/03	Completed. Three proposed code changes were submitted to the Council of the District of Columbia on October 22, 2003.
p. 14, V.12.b.(ii)	<u>Main &amp; O Pumping Station Rehab</u> Submit documents for required approvals to rehabilitate Main and O Street Pumping Stations to 240 and 45 mgd capacities.	03/01/04	Completed. Documents were submitted to DCRA and the Army Corps of Engineers by the deadline.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 13, V.12.b. (iii)	<u>Main &amp; O Pumping Stations</u> Award construction contract for rehabilitation.	04/01/05	Completed. Contract awarded to W.M. Schlosser Company, Inc. on February 23, 2005.
p. 13, V.12.b. (iv)	<u>Main &amp; O Pumping Stations</u> Place in operation following rehab to achieve a Firm Sanitary Pumping Capacities of 240 and 45 mgd, respectively.	05/01/08	Completed. Written certification provided on April 16, 2008 from Engineer of Record to WASA confirming that the pumping equipment and ancillary systems installed at each station satisfied the requirements set forth in the consent decree.
p. 14, V.12.c.(ii)	<u>East Side Pumping Station</u> Submit documents for the required approvals for the rehabilitation of Eastside Pumping Station to achieve a pumping capacity of 45 mgd.	08/01/04	Completed. Documents were submitted to DCRA on August 13, 2003.
p. 14, V.12.c.(iii)	<u>East Side Pumping Station</u> Award construction contract for rehabilitation.	08/01/04	Construction contract awarded 06/04/04 to Ulliman Schutte Construction, LLC
p. 14, V.12.c.(iv)	<u>East Side Pumping Station</u> Place in operation.	08/01/06	Completed. Pumps placed into service on July 21, 2006.
p. 15, V.12.d.(ii)	<u>Poplar Point Pumping Station</u> Submit pump test data to EPA demonstrating a pumping capacity of 45 mgd at Poplar Point Pumping Station.	11/10/03	Completed. Delivery of the package occurred on 12/02/03.
p. 15, V.12.e.	<u>Potomac Pumping Station Rehab</u> Submit documents for required approvals.	06/01/04	Completed. WASA submitted the Permit Application to DCRA on 5/21/04.
p. 15, V.12.e.(iii)	<u>Potomac Pumping Station</u> Award construction contract for rehabilitation.	09/01/05	Completed. Contract awarded to Ulliman Schutte Construction, LLC on March 14, 2005.
p. 16, V.12.f.(i)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Submit documents for required approvals to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	10/20/03	Completed. Building Permit issued 10/12/01.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 16, V.12.f.(ii)	<u>Improvements at Blue Plains – Grit Chambers 1&amp;2 and Influent Screens</u> Award construction contracts to rehabilitate grit chamber buildings 1 and 2 and influent screening facilities.	07/31/03	Completed. Contract number 02-0130 awarded to W. M. Schlosser Co. Inc. on 07/17/03 for grit removal upgrades.
p. 16, V.12.f.(iii)	<u>Improvements at Blue Plains – Grit Chamber 1&amp;2 and Influent Screens.</u> Placed in operation	07/31/07	Completed on 07/27/07.
p. 16, V.12.i.	<u>Eastside Interceptor Cleaning</u> Inspect the Eastside Interceptor and the lower section of the Northeast Boundary Sewer every five years and clean and repair as necessary.	07/26/06	Completed. CCTV completed by due date. No repair or cleaning was required.
p. 17, V.13.a. (i)-(iii)	<u>System Modifications to Prevent DWOs</u> Correct regulator and/or CSS deficiencies to address dry weather overflows at CSO outfalls 007, 027, 005, 020, 023, 015, 014, and 024 and place in operation.	12/31/03	<p>Completed. This item consists of replacement of regulator structures to reduce the likelihood of DWOs at the specified outfalls.</p> <p>Following facilities placed in operation by 11/24/03 under Contract 01-0020 to Corman Construction:</p> <ul style="list-style-type: none"> <li>• CSO 027 – Structure 43a , Potomac &amp; water St NW</li> <li>• CSO 005 – Structure 7, Railroad Ave &amp; W St SE</li> <li>• CSO 020 – Structure 34a, 23<sup>rd</sup> St near C St NW</li> <li>• CSO 014 – Structure 18, 6<sup>th</sup> and M St. SE</li> <li>• CSO 024 – Structure 38a, 30<sup>th</sup> St south of K St NW</li> </ul> <p>Following Structures placed in operation by 12/19/03 under contract to C&amp;F Construction</p> <ul style="list-style-type: none"> <li>• CSO 007 – Structure 9, 13<sup>th</sup> and Ridge SE</li> <li>• CSO 015 – Structure 19 &amp; 19a, 9<sup>th</sup> and M St SE</li> </ul> <p>The following work was completed by WASA prior to June 2003:</p> <ul style="list-style-type: none"> <li>• CSO 023 – Rock Creek P.S., install level sensor to indicate risk of DWO</li> </ul>

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Add DWO information to web site.	10/10/03	Completed. DWO information added to web site on 7/14/03.
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Include DWO information in a pamphlet with the sewer bill.	Semi-annually	2004 – Completed in August and December. 2005 – Completed in April and September. 2006 – Completed in April and October. 2007 – Completed in April and October. 2008 – Completed in April and October. 2009 – Completed in April.
p. 17, V.13.b.	<u>Facilitate Reports from Public of DWOs</u> Maintain a Customer Service Hotline with staff trained to receive DWO reports.	10/10/03	Completed. Customer Service Hotline made operational, staff trained 07/24/03, 08/27/03 and 08/28/03.
p.17 V.13.b and p.22 V.16.b	<u>Public Notification Requirements</u> WASA shall provide information pamphlets on CSO location and activity.	12/31/05	Semi-Annual information pamphlets were provided to the public; one distribution in April 2005 and another in September 2005. This completes this requirement.
p. 18, V.13.c.(ii) (iii)	<u>DWO Management Program</u> Provide video cameras and training to inspection staff.	10/10/03	Completed. Three JVC digital camcorders were purchased and received on 09/07/00 and training provided for inspection staff on 09/26/00.
p. 18, V.13.d.	<u>Control of Construction Debris</u> Improve coordination with the D.C. Department of the Environment (previously DOH) and the D.C. Department of Consumer and Regulatory Affairs for erosion/sediment control.	10/10/03	Completed. Letter sent to the respective agencies on 07/18/03 seeking to improve coordination regarding control of construction debris and the prevention of its entry into the sewer system. The letter lists opportunities for improvement and better coordination and provides contact personnel and telephone numbers.
p. 20, V.16.a. (ii)	<u>Public Notification; CSO Signs – National Park Service</u> Apply to the National Park Service (NPS) for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. John G. Parsons, Associate Regional Director, for NPS to install the signs. In their letter of 11/25/03, NPS denied approval for placement of new signs.
p. 20, V.16.a.(iii)	<u>CSO Signs – WASA Controlled Sites</u> Install two new signs at WASA controlled CSO outfalls: 009-012 and one sign each at CSO outfalls 001 and 003.	04/07/04	Completed. Signs installed 2/12/04.



REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – National Zoo</u> Apply to the National Zoo for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Marc M. Mueller, National Zoological Park Resident Engineer, to install the signs. The Zoo approved placement of new signs in their letter of 12/13/03.
p. 21, V.16.a.(iv)	<u>Public Notification; CSO Signs – Navy Yard</u> Apply to the Navy Yard for a permit to install new CSO signs.	11/10/03	Completed. Made written application on 08/22/03 and written follow-up on 11/5/03 to Mr. Thomas P. Lewis Chief, Environmental and Safety Division for the Navy Yard to install the signs. In their letter of 11/17/03, Navy Yard denied approval for placement of new signs.
p. 21, V.16.a. (iv)	<u>Public Notification; CSO Signs – Southeast Federal Center</u> Apply to Southeast Federal Center for a permit to install new CSO sign.	11/10/03	Completed. Made written application on 09/04/03 to Mr. Steven Richard, Director, Service Delivery Support Division for SE Federal Center to install the sign. In their letter of 12/19/03, SE Federal Center denied approval for placement of new signs.
p. 21, V.16.a.(iv)	<u>CSO Signs –National Zoo</u> Install new signs at CSO outfalls 041-045 after approval by National Zoo.	06/10/04	Completed. Signs installed 4/12/04.
pp. 21-22, V.16.b.(i) (a)-(g)	<u>Public Notification – Web site</u> Maintain accurate and up-to-date CSO information on the WASA web site as outlined in the CD.	10/10/03	Completed. Web site updated as outlined in the CD on 07/14/03 and quarterly thereafter.
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Semi-annually, prepare an information pamphlet/insert containing CSO information and distribute in the water bills.	Twice per year	2004 – Completed in August and December. 2005 – Completed in April and September. 2006 – Completed in April and October. 2007 – Completed in April and October. 2008 – Completed in April and October. 2009 – Completed in April and October.

REQUIREMENTS COMPLETED IN PRIOR QUARTERS			
Reference	Requirement	Due Date	Status
p. 22, V.16.b.(ii)	<u>Public Notification – Information pamphlets/inserts</u> Distribute CSO pamphlet/insert semi-annually to boat rental facilities, marinas, tackle shops, and other public locations along affected river segments.	Twice per year	2004 – Completed in August and December. 2005 – Completed in April and September. 2006 – Completed in April and October. 2007 – Completed in April and October. 2008 – Completed in April and October. 2009 – Completed in April and October.
p. 23, V.16.b.(iii) (c)(i)	<u>Public Notification - Notification lights</u> Submit documents for required approvals to install and operate CSO warning lights on the Anacostia and Potomac Rivers.	12/31/03	Completed.
p. 23, V.16.b.(iii) (c)(i)	<u>Public Notification – Notification lights</u> Place in Operation.	20 months after receipt of approvals August 21, 2008	Completed. Written certification provided on August 6 <sup>th</sup> from Engineering Program Manager confirming that the CSO Event Indicator Lights were placed in operation on August 4 <sup>th</sup> in compliance with the requirements set forth in the consent decree.
p. 26, VIII.20.	<u>Civil Penalty</u> Pay a penalty of \$250,000 to the U. S. Department of Justice.	11/10/03	Completed. An electronic transfer of \$250,000 to the U.S. Department of Justice was performed on 11/10/03.
p. 27, IX.23.-30.	<u>Supplemental Environmental Projects (SEPs)</u> Submit to EPA detailed scope of work and exact location of SEP.	04/07/04	Completed. WASA submitted its proposed SEP on April 1, 2004. EPA provided comments in a May 18, 2004 letter and in a May 25, 2004 conference call. WASA submitted a revised scope of work addressing EPA's comments on August 23, 2004. WASA received EPA's written approval of the proposed SEP on January 24, 2005.
p. 27, IX.24	<u>Supplemental Environmental Project</u> Place in Operation.	04/10/07	Project placed in service 04/10/07.
p. 30, X.31.	<u>Citizen Community Project</u> Pay the Chesapeake Bay Foundation \$300,000 for the design, installation, and maintenance of green roof demonstration projects.	11/10/03	Completed. An electronic transfer of \$300,000 to the Chesapeake Bay Foundation was performed on 11/10/03.

## CSO Community Presentations



# Agenda

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- **Background**
  - ✓ **WASA**
  - ✓ **Combined Sewer Overflow Control Program**
- **Trash Control (Solids and Floatables)**
- **Proper Disposal of Household Hazardous Substances**
  - ✓ **About DPW**
  - ✓ **How to dispose of household hazardous wastes**
  - ✓ **Recycling**

# What is WASA?

- Independent Authority formed in 1996
- Formerly Water and Sewer Utility Administration (WASUA) under Dept. of Public Utilities
- Services Provided
  - ✓ Water Distribution
  - ✓ Wastewater Collection and Treatment
  - ✓ Storm Water Collection and Conveyance
- Serves
  - ✓ District
  - ✓ Parts of Maryland & Virginia



Blue Plains Wastewater Treatment Plant



# What Services are Provided By WASA?

Services Provided by WASA in District	Services <u>not</u> Provided By WASA
Water Distribution	Street cleaning
Wastewater collection and treatment	Trash collection, recycling
Catch basin Cleaning (D.C. & Fed Gov also cleans some basins)	Leaf pickup
Maintenance and operation of storm water pumping stations	Collection of hazardous substances (oil, paint, etc.)

# What Types of Sewer Systems are in D.C?

## ■ Combined Sewer System

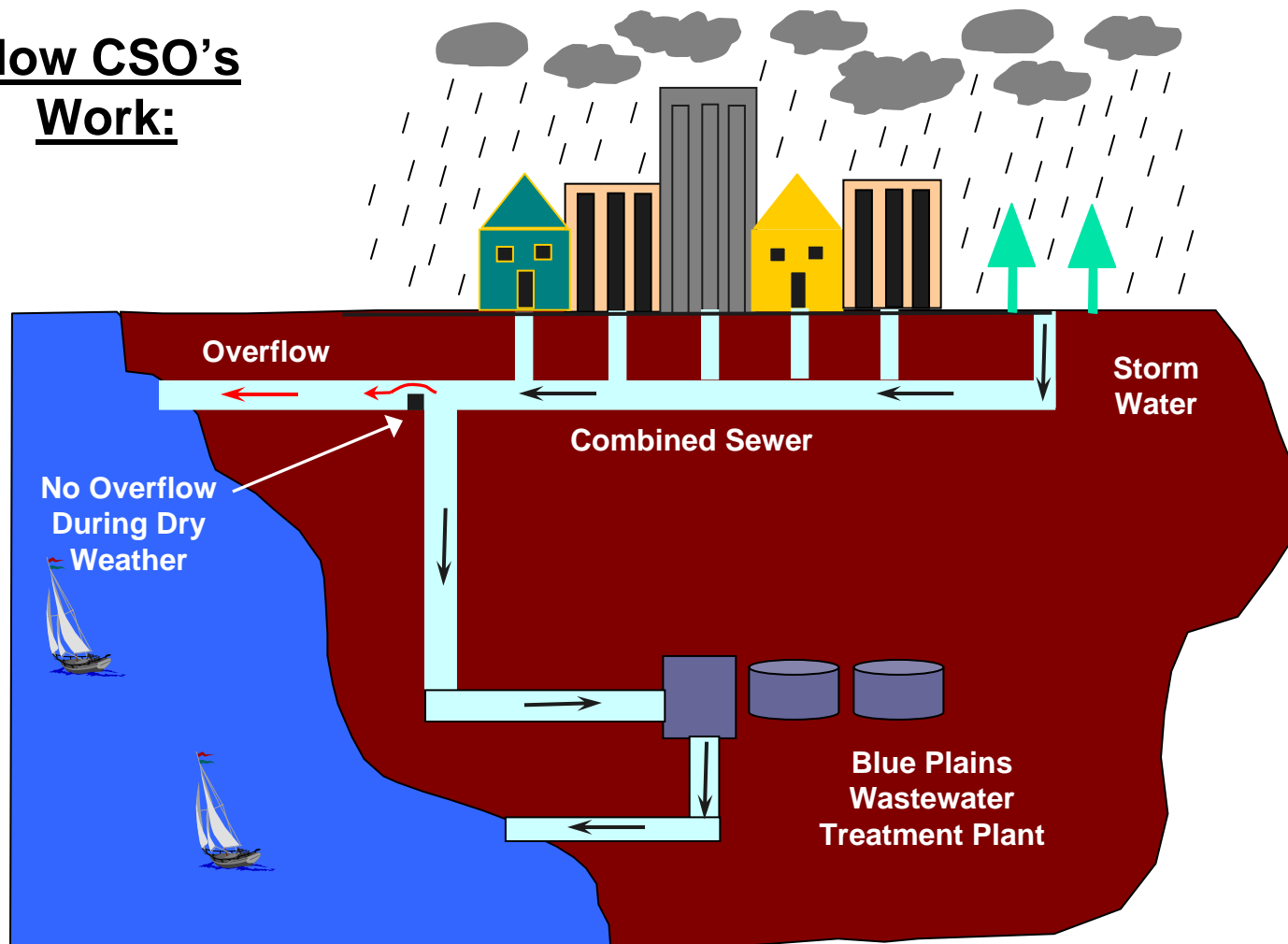
- ✓ 1 pipe in the street
- ✓ Handles both runoff from storms and wastewater
- ✓ Mostly in older sections
- ✓ Stopped building combined sewer early 1900's
- ✓ Typical of older cities (Boston, NY, Chicago, etc.)

## ■ Separate Sewer System

- ✓ 2 pipes in street
- ✓ 1 pipe handles runoff from storms, other handles wastewater
- ✓ In newer sections
- ✓ Modern practice
- ✓ Typical of newer cities (Phoenix, Las Vegas, etc.)

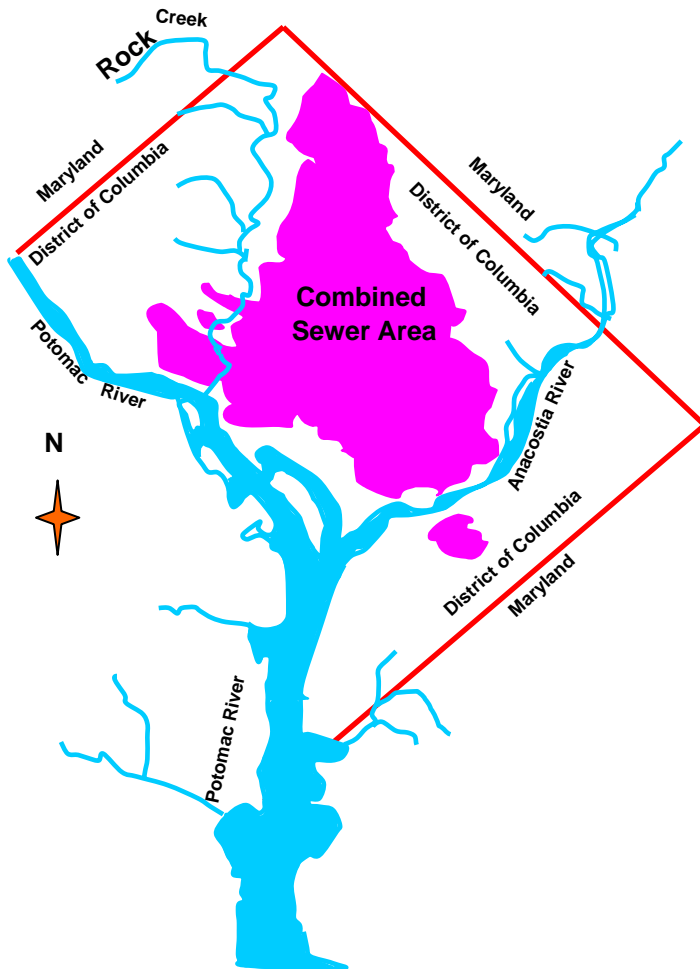
# What is a CSO?

## How CSO's Work:





# Where are Combined Sewers in the District?



- 1/3 area is combined (12,478 ac)
- 2/3 area has separate storm and sanitary sewers
- 53 CSO outfalls

# Why are CSOs a Concern?

- Can adversely affect quality of receiving waters
- Primary concerns:
  - ✓ Bacteria levels
  - ✓ Contribute to low dissolved oxygen in water
    - Potential for fish stress or fish kills
    - Affects other aquatic life
  - ✓ Aesthetics - contributes to trash on waterways



**CSO 017 to Anacostia River  
during Hurricane Floyd**

# What is WASA to doing to Control CSOs?

- **Near Term**

- ✓ 40% reduction in overflow volume by 2008

- **Longer Term (Long Term Control Plan)**

- ✓ 20 year plan (2005-2025) to construction CSO controls
- ✓ 96% overall reduction in CSO overflow volume (98% reduction to Anacostia River)
- ✓ Anacostia projects will be first
- ✓ Starting facility planning for Anacostia Projects in 2005

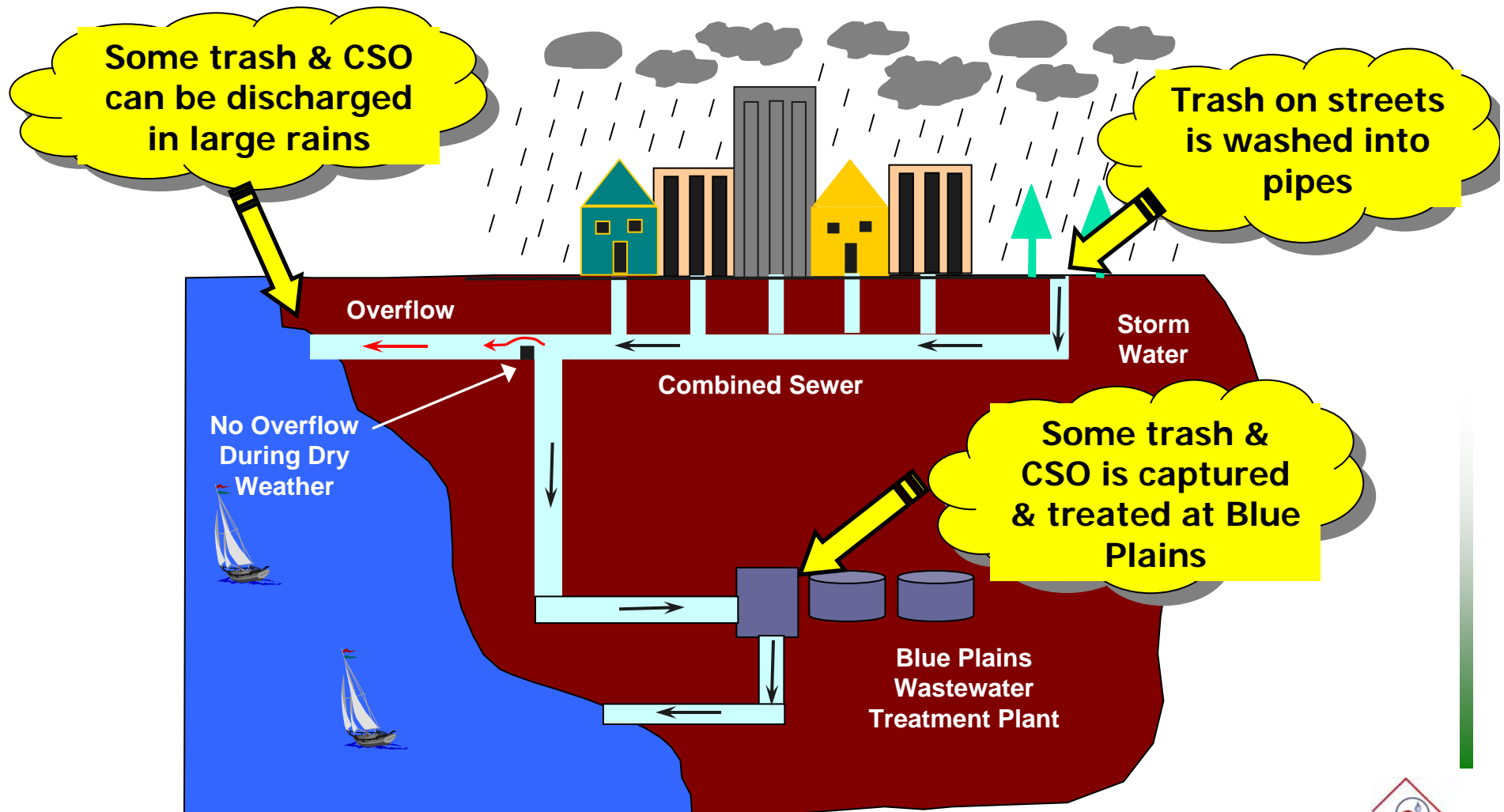


# What are Solids and Floatables (Trash)?

- Trash or debris that can be washed into receiving waters during storms
  - ✓ *Litter* (cans, candy wrappers, napkins, etc)
  - ✓ Items in wastewater (sanitary products, etc other)



# How does Trash Reach Rivers in Combined Sewer System?





# How does Trash Reach Rivers in Separate Sewer System?



Trash on Streets



Is washed into sewers



Discharges to River

- Typically, no treatment is provided for storm water
- If catch basins don't catch trash, it reaches waterways



# What is WASA Doing to Reduce Trash in Rivers?

---

- Regular catch basin cleaning
- Anacostia Floatable Debris Removable Program
- Demonstration Projects
  - ✓ Netting system on Anacostia River
  - ✓ Bar Racks at 2 Rock Creek CSOs
- Long Term Plan for Reducing CSOs (Long Term Control Plan)
- Districts MS4 Permit Program for Separate Storm Sewer System



# Catch Basin Cleaning



9th and D Street, NW

12/7/2000 10:54am



# Anacostia River Floatable Debris Removal Program

- Continuing Program
- Removes average of 70 tons/month
- Works cooperatively with U.S. Army Corps of Engineers



WASA Skimmer Boat



# Solids and Floatables Demonstration Projects

- Demonstration project on Anacostia River to remove solids and floatables
- Operational since April 2000
- Typically removes 400-1000 lbs per rain event



Netting System at CSO 018  
to Anacostia River

# The Environment and You

- The environment is where you.....

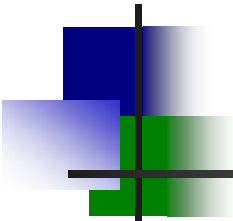
- ✓ Work

- ✓ Play

- ✓ Live



- Three really good reasons to do your part to improve your surroundings.
- DC WASA is working to improve water quality in the region's rivers: Rock Creek, the Anacostia and the Potomac.



# What can you do to Reduce Trash on our Rivers?

---

## DO NOT

- Litter
- Use catch basins as trash cans
- Dispose of motor oil or hazardous materials in storm drains or trash
- Dispose of cooking oil or grease to sewer

## DO

- Dispose of trash in approved receptacles
- Keep streets and neighborhoods clean
- Dispose of motor oil and household hazardous wastes in approved manners
- Dispose of cooking oil /grease with trash





# About DPW

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- The Department of Public Works (DPW) provides trash and recycling collection and container service to residents living in buildings with three or fewer units.

- DPW Contact information:

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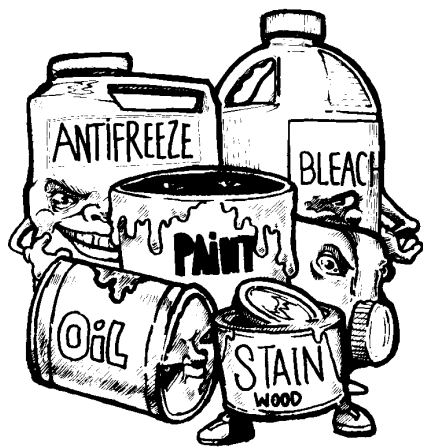
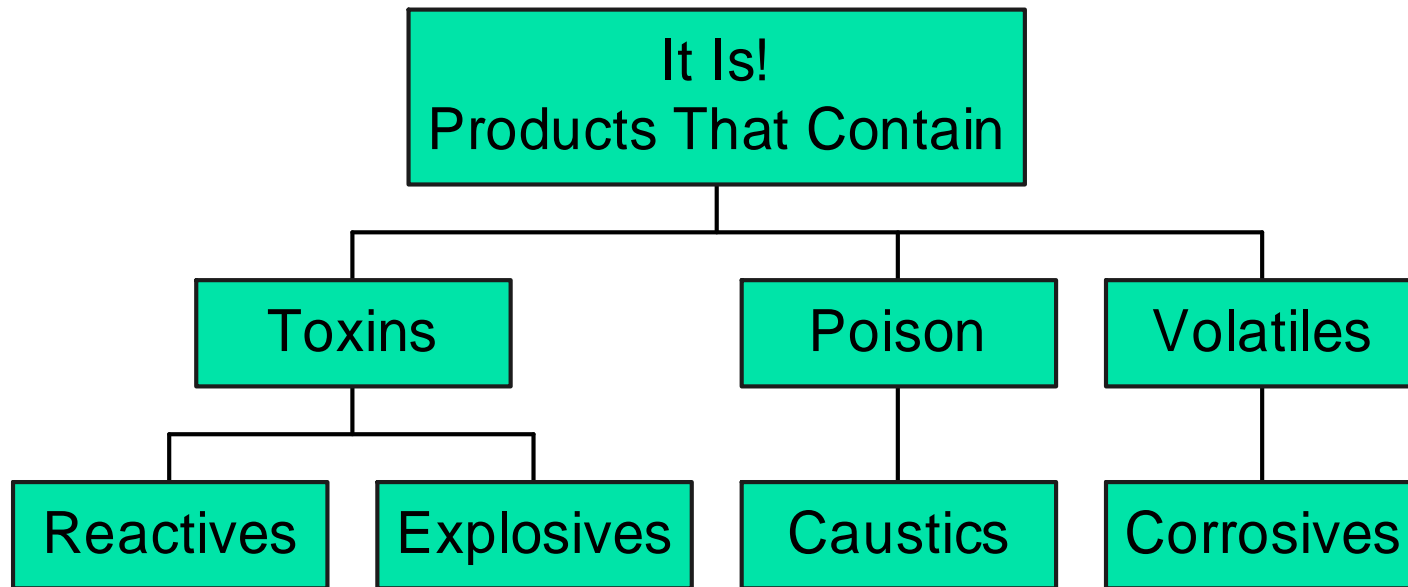
**Washington, DC 20009**

**(202) 727-1000**

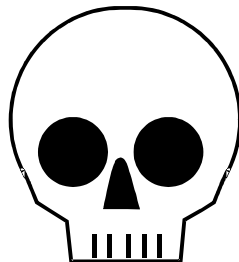
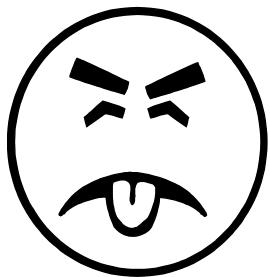
*Note: Apartment dwellers, those who live in buildings with businesses, and office buildings need to contract for their own collection of trash and recycled materials.*



# What is it?



# What is it?



- There are almost 27,000 different hazardous materials in consumer products sold in the United States.
- These products are chemical products found in resident's homes that can be used for a variety of tasks.



# Electronic Materials

- Concern with lead, mercury, chromium, cadmium, arsenic; (Known as PBTs).
- In 315 million computers: 1.2 billion pounds of lead; 400,000 pounds of mercury and 1.2 million pounds of chromium.



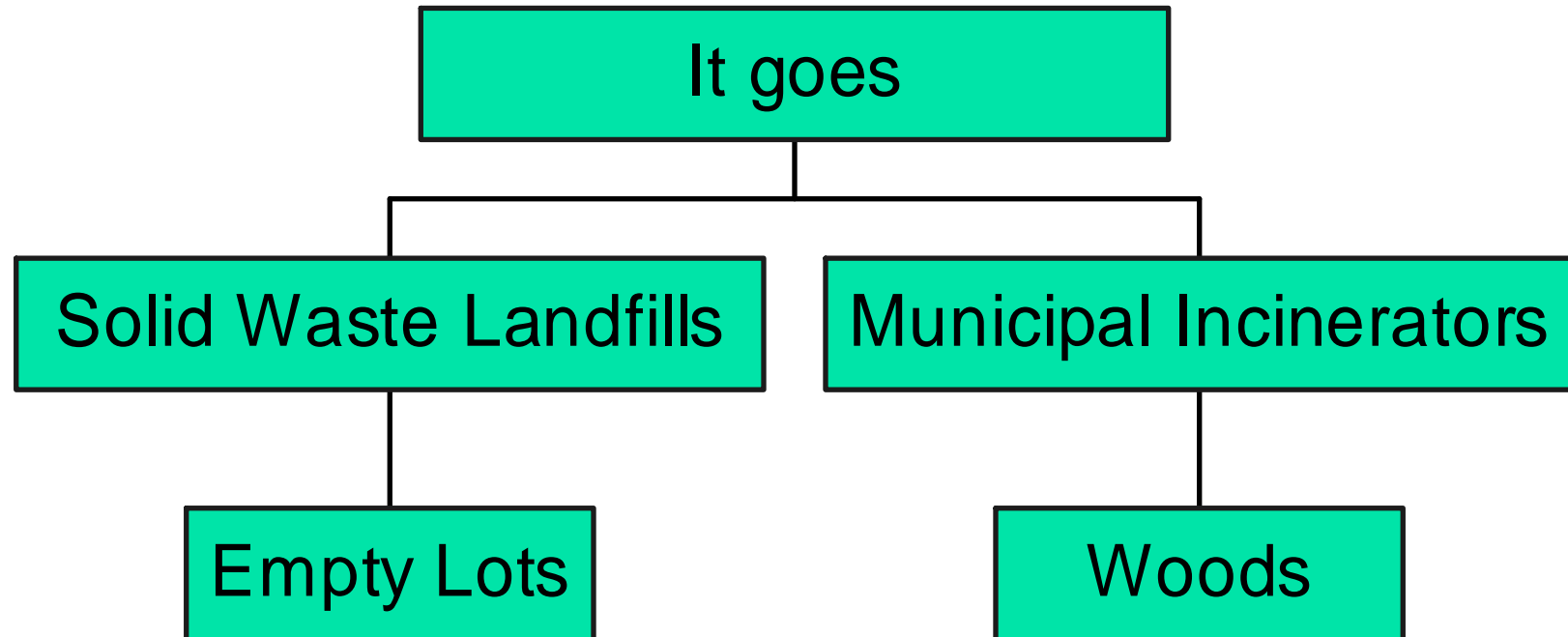
# Where can I find Hazardous Household Materials in my home?

- You may find household hazardous materials in just about any room of your home. Places where these materials are commonly found include:

- ✓ Bathroom
- ✓ Garden
- ✓ Car
- ✓ Garage
- ✓ Bedroom
- ✓ Basement
- ✓ Kitchen
- ✓ Workshop
- ✓ Study



# Where HHP Go without a program?



# How should Household Hazardous Materials be Handled?

- **Dispose of Household Hazardous Materials properly!**
  - ✓ Some of these chemicals are hazardous and should NEVER be poured down sinks or in catch basins.
- **The District has scheduled Household Hazardous Waste Collections, twice per year. Some typical household hazardous wastes are:**
  - ✓ Nail polish remover, bug spray, bleach, old medicine
  - ✓ Batteries, lighter fluid, shoe polish, house cleansers, moth balls
  - ✓ Varnish, glue, turpentine, paint, pesticides, pool chemicals
  - ✓ Motor oil, gasoline, antifreeze, car wax, windshield wiper fluid
- **Call the Citywide Call Center for more information (202) 727-1000.**







# Recycling

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- D.C. promotes recycling
- Free recycling bins may be obtained from the District by calling the Citywide Call Center at (202) 727-1000.
- D.C. collects newspaper, corrugated cardboard, computer and office paper, metal food and beverage cans, plastic bottles and jugs, glass jars and bottles.
- DC recycling website:  
<http://www.recycle.dpw.dc.gov/recycle/site/default.asp>





# What about Yard Waste?

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- Do not rake leaves into the gutter
  - ✓ Yard waste can obstruct the flow and clog catch basins, causing flooding
- The District has a schedule for yard waste collection. Call the Citywide Call Center (202) 727-1000 to find out or visit <http://www.dpw.dc.gov/dpw/site/default.asp>



# What can Businesses do to Help?

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- **Restaurants**

- ✓ Install and maintain grease traps or interceptors

- **Automobile shops**

- ✓ Dispose of fluids responsibly

- **All businesses**

- ✓ Dispose of trash in receptacles that prevent littering from people, birds and animals and wind



# What other Public Services are Offered?

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- Alleys receive scheduled cleaning. Help the effort by picking up loose trash, controlling weeds and keep trees from overhanging alley.
- Collection of Bulk Goods: The District will help you with disposal of large household items. DO NOT place these items in the street gutter
- Call the Citywide Call Center for more information and scheduling (202) 727-2000.

# Where can I get more Information?

- **WASA – water and sewer questions**
  - ✓ General WASA Info: 202-787-2000
  - ✓ Customer Service: 202-612-3400
  - ✓ Questions about CSOs: Mohsin Siddique, 202-787-2634 or [mohsin\\_siddique@dcwasa.com](mailto:mohsin_siddique@dcwasa.com)
  - ✓ Web site: [www.dcwasa.com](http://www.dcwasa.com)
  
- **D.C. Government – trash and household hazardous waste questions**
  - ✓ Citywide Call Center at (202) 727-1000.
  - ✓ Web site: [http://dc.gov/mayor/customer\\_service/core\\_services.shtm](http://dc.gov/mayor/customer_service/core_services.shtm)



# Questions and Answers



# District of Columbia Water and Sewer Authority



## Community Education Program:

### Floatable Pollution Reduction and Proper Disposal of Household Materials

Winter 2005



# Agenda

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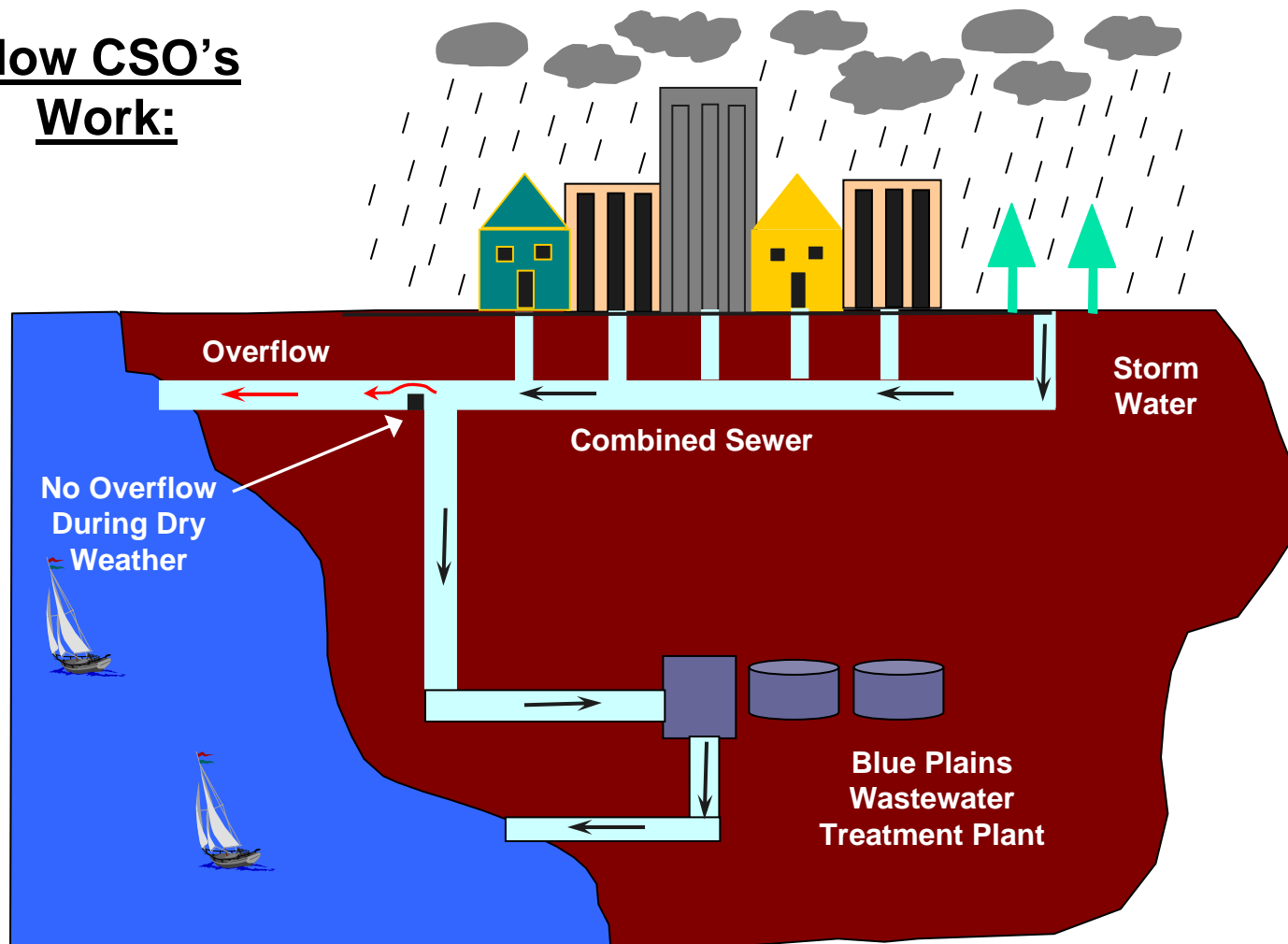
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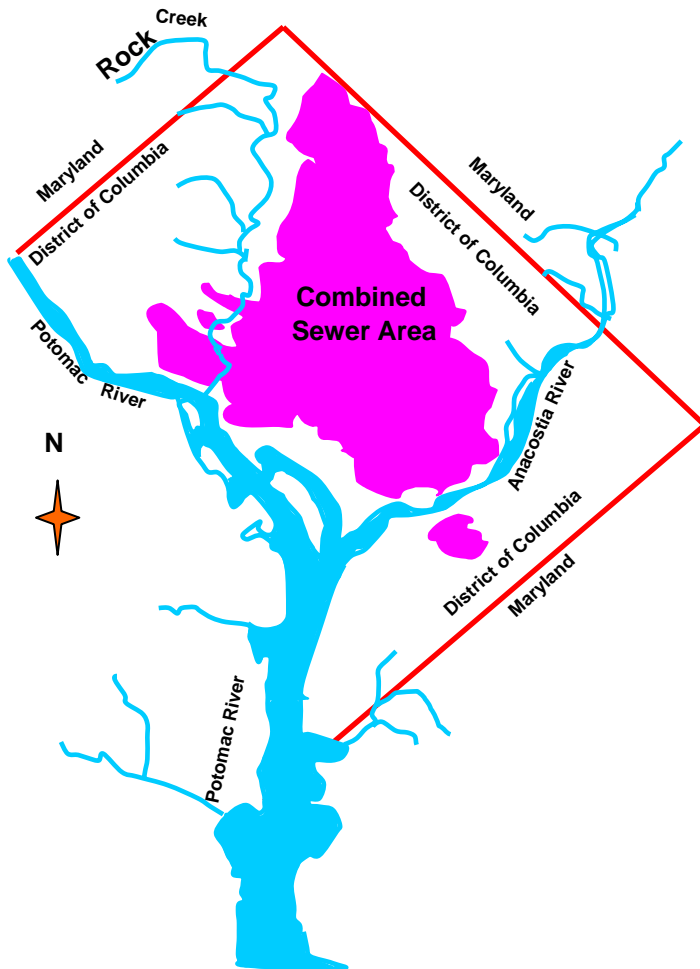


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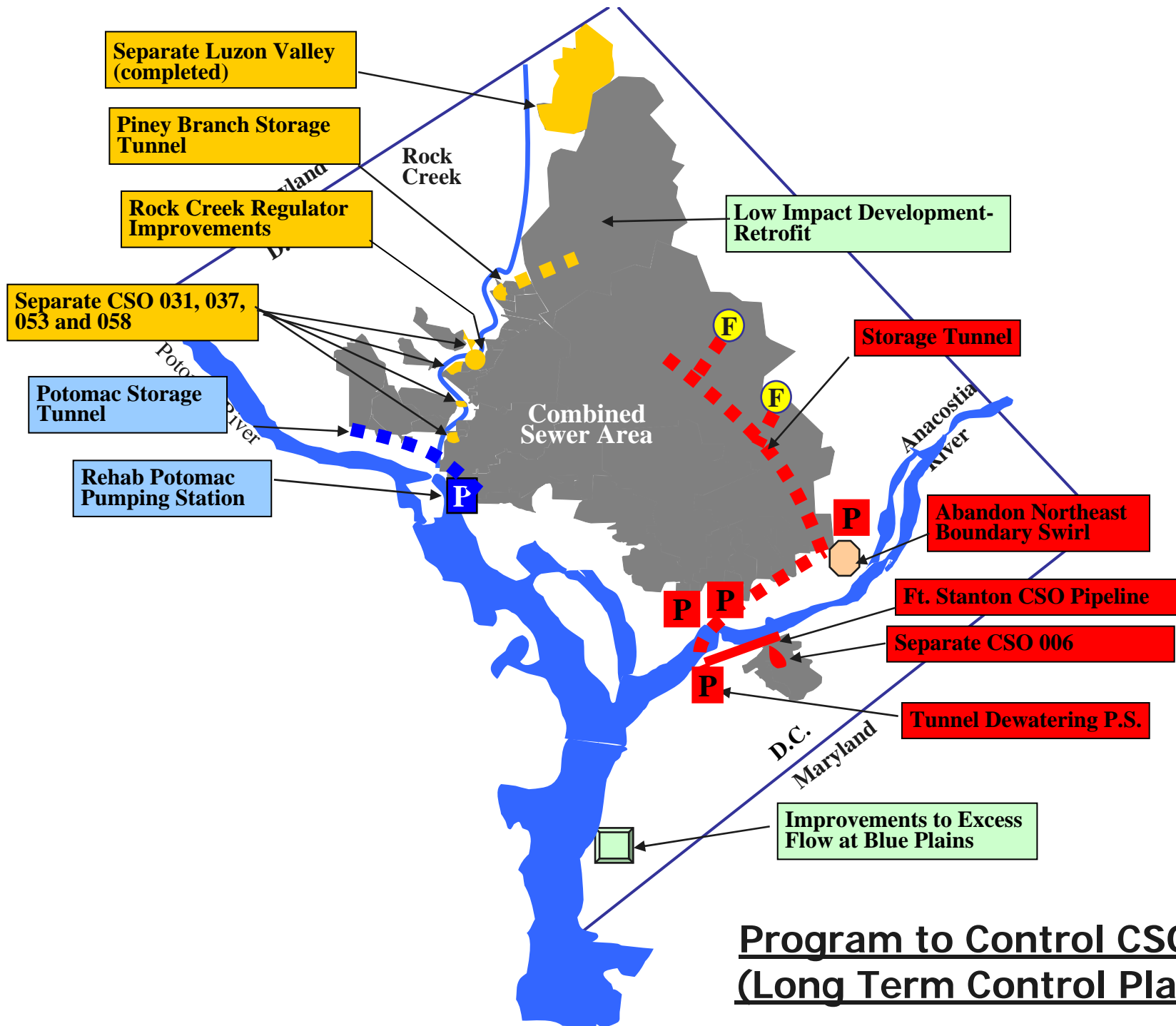
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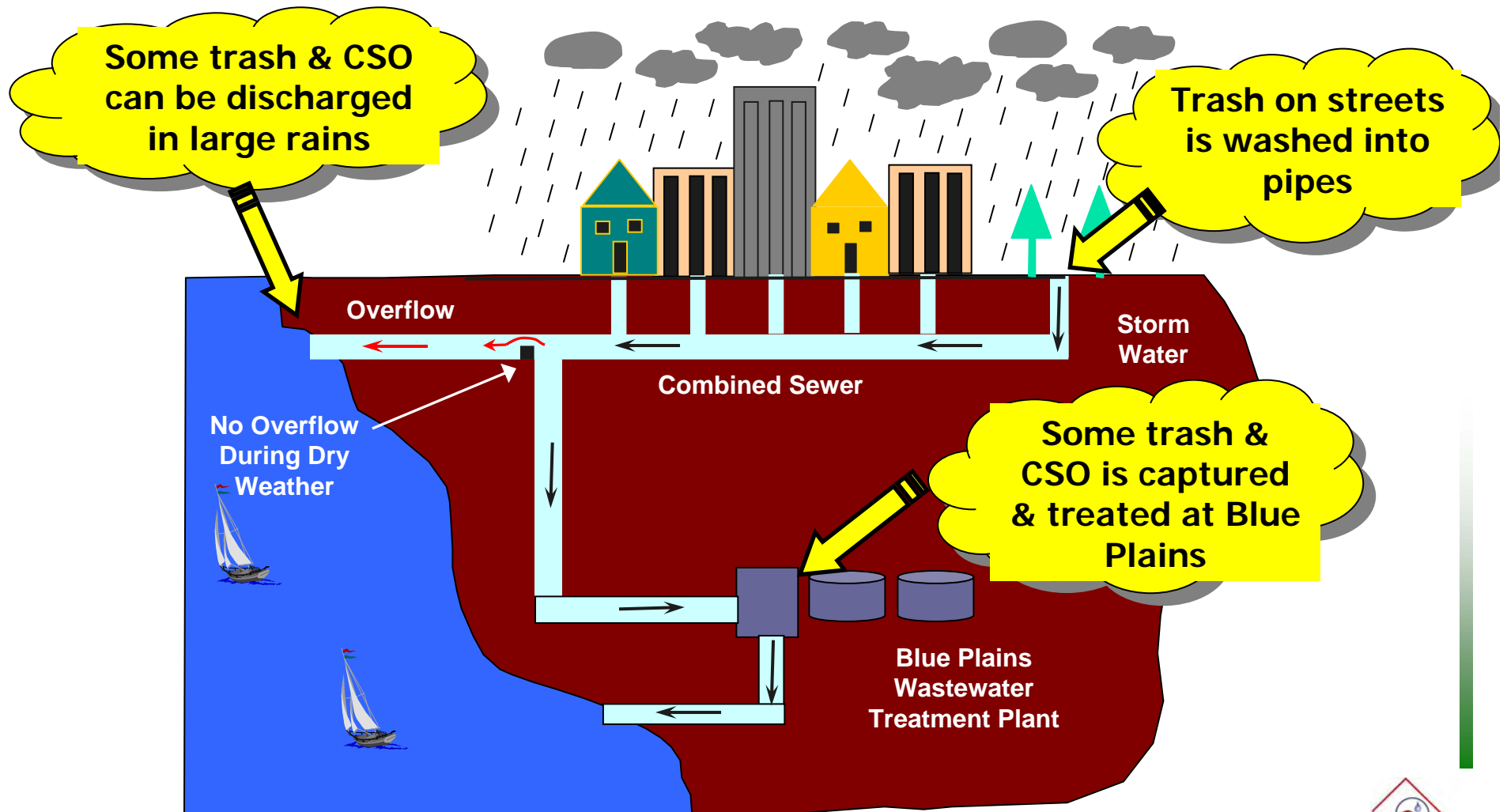
## Program to Control CSOs (Long Term Control Plan)

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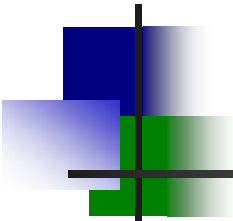
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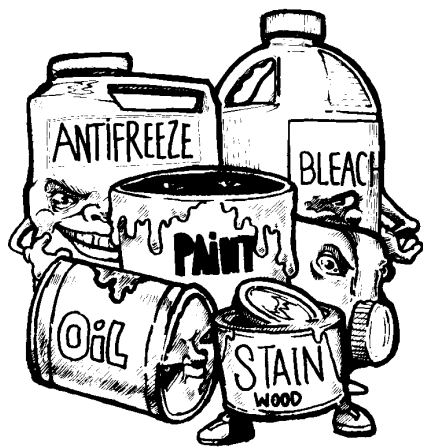
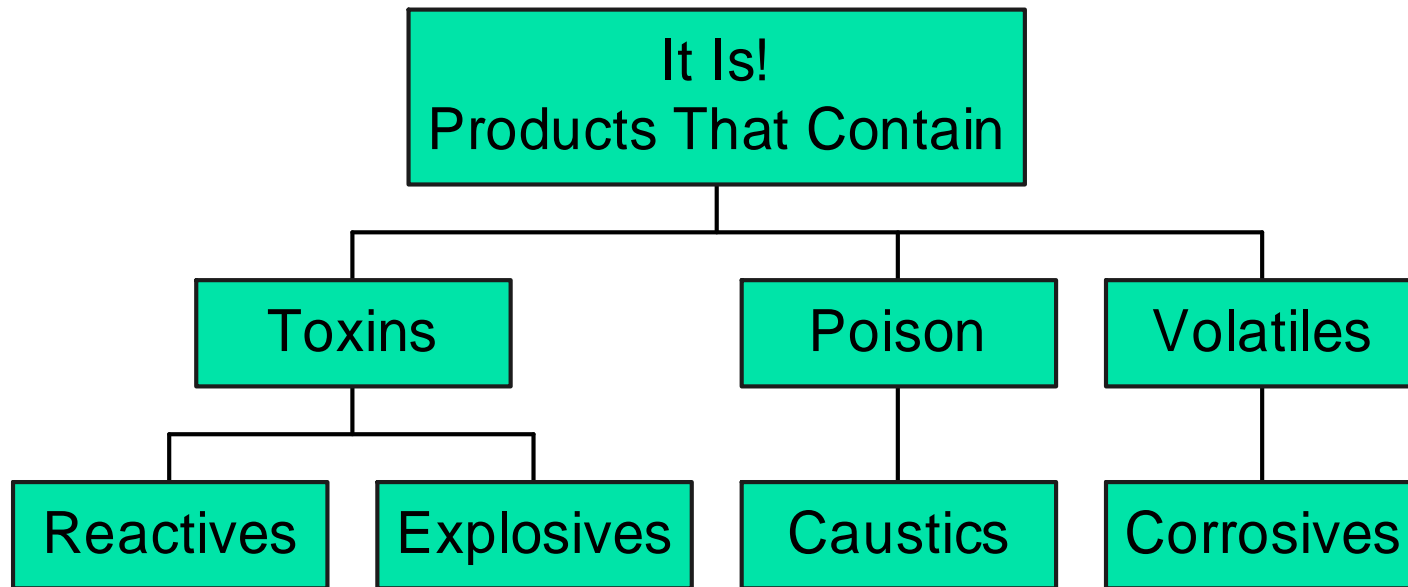
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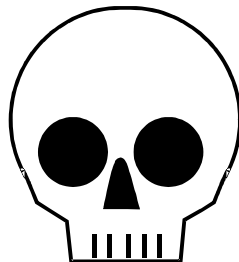
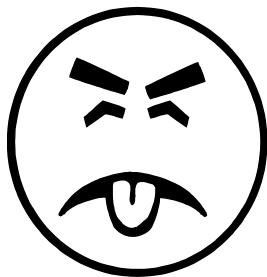


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- These products are chemical products found in resident's homes that can be used for a variety of tasks.

# Electronic Materials

- Concern with lead, mercury, chromium, cadmium, arsenic; (Known as PBTs).
- In 315 million computers: 1.2 billion pounds of lead; 400,000 pounds of mercury and 1.2 million pounds of chromium.



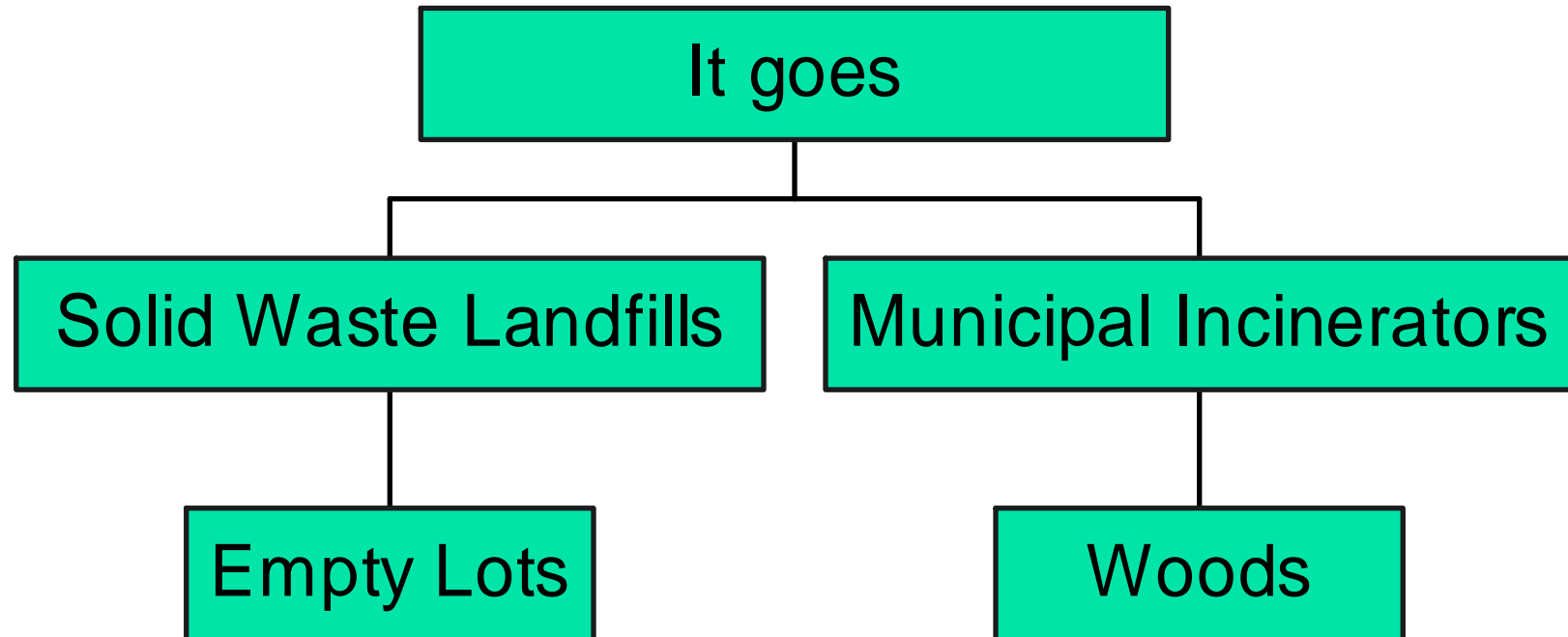
# Where can I find Hazardous Household Materials in my home?

- You may find household hazardous materials in just about any room of your home. Places where these materials are commonly found include:

- ✓ Bathroom
- ✓ Garden
- ✓ Car
- ✓ Garage
- ✓ Bedroom
- ✓ Basement
- ✓ Kitchen
- ✓ Workshop
- ✓ Study



# Where HHP Go without a program?



# How should Household Hazardous Materials be Handled?

- **Dispose of Household Hazardous Materials properly!**
  - ✓ Some of these chemicals are hazardous and should NEVER be poured down sinks or in catch basins.
- **The District has scheduled Household Hazardous Waste Collections, twice per year. Some typical household hazardous wastes are:**
  - ✓ Nail polish remover, bug spray, bleach, old medicine
  - ✓ Batteries, lighter fluid, shoe polish, house cleansers, moth balls
  - ✓ Varnish, glue, turpentine, paint, pesticides, pool chemicals
  - ✓ Motor oil, gasoline, antifreeze, car wax, windshield wiper fluid
- **Call the Citywide Call Center for more information (202) 727-1000.**









# Recycling

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- Free recycling bins may be obtained from the District by calling the Citywide Call Center at (202) 727-1000.
- D.C. collects newspaper, corrugated cardboard, computer and office paper, metal food and beverage cans, plastic bottles and jugs, glass jars and bottles.
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# What about Yard Waste?

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- Do not rake leaves into the gutter
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- The District has a schedule for yard waste collection. Call the Citywide Call Center (202) 727-1000 to find out or visit <http://www.dpw.dc.gov/dpw/site/default.asp>





# What can Businesses do to Help?

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- **Restaurants**

- ✓ Install and maintain grease traps or interceptors

- **Automobile shops**

- ✓ Dispose of fluids responsibly

- **All businesses**

- ✓ Dispose of trash in receptacles that prevent littering from people, birds and animals and wind

# What other Public Services are Offered?

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- Alleys receive scheduled cleaning. Help the effort by picking up loose trash, controlling weeds and keep trees from overhanging alley.
- Collection of Bulk Goods: The District will help you with disposal of large household items. DO NOT place these items in the street gutter
- Call the Citywide Call Center for more information and scheduling (202) 727-2000.

# Where can I get more Information?

- **WASA – water and sewer questions**
  - ✓ General WASA Info: 202-787-2000
  - ✓ Customer Service: 202-612-3400
  - ✓ Questions about CSOs: Mohsin Siddique, 202-787-2634 or [mohsin\\_siddique@dcwasa.com](mailto:mohsin_siddique@dcwasa.com)
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# Questions and Answers

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# District of Columbia Water and Sewer Authority



## Community Education Program:

### Floatable Pollution Reduction and Proper Disposal of Household Materials

Autumn 2006



# Agenda

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- **Background**
  - ✓ **WASA**
  - ✓ **Combined Sewer Overflow Control Program**
- **Trash Control (Solids and Floatables)**
- **Proper Disposal of Hazardous Substances**

# What is WASA?

- Independent Authority formed in 1996
- Formerly Water and Sewer Utility Administration (WASUA) under Dept. of Public Utilities
- Services Provided
  - ✓ Water Distribution
  - ✓ Wastewater Collection and Treatment
  - ✓ Storm Water Collection and Conveyance
- Serves
  - ✓ District
  - ✓ Parts of Maryland & Virginia



Blue Plains Wastewater Treatment Plant





# What Services are Provided By WASA?

Services Provided by WASA in District	Services <u>not</u> Provided By WASA
Water distribution	Street cleaning
Wastewater collection and treatment	Trash collection, recycling
Catch basin cleaning	Leaf pickup
Maintenance and operation of storm water pumping stations	Collection of hazardous substances (oil, paint, etc.)



# What Types of Sewer Systems are in D.C?

## ■ Combined Sewer System

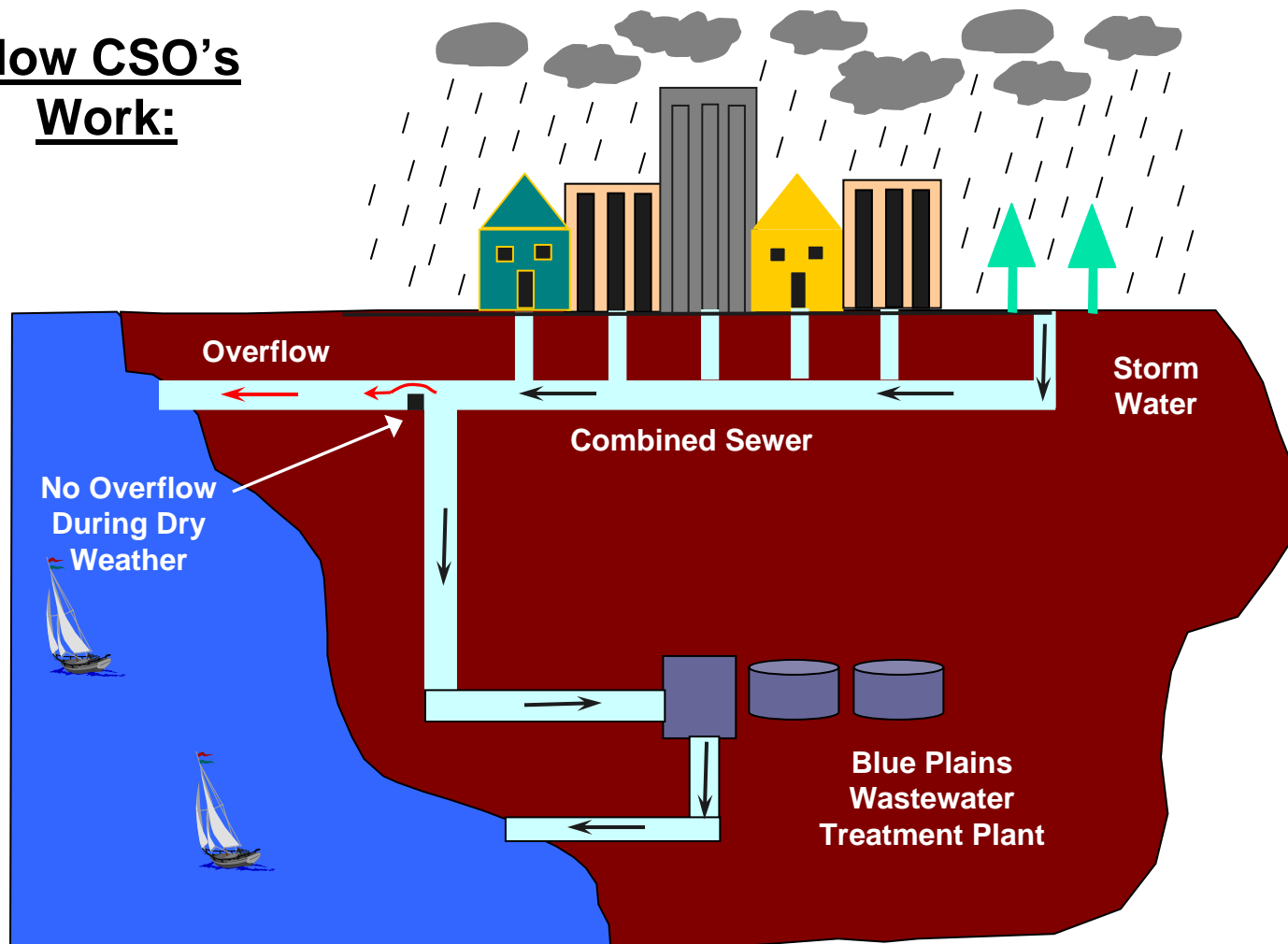
- ✓ 1 pipe in the street
- ✓ Handles both runoff from storms and wastewater
- ✓ Mostly in older sections
- ✓ Stopped building combined sewer early 1900's
- ✓ Typical of older cities (Boston, NY, Chicago, etc.)

## ■ Separate Sewer System

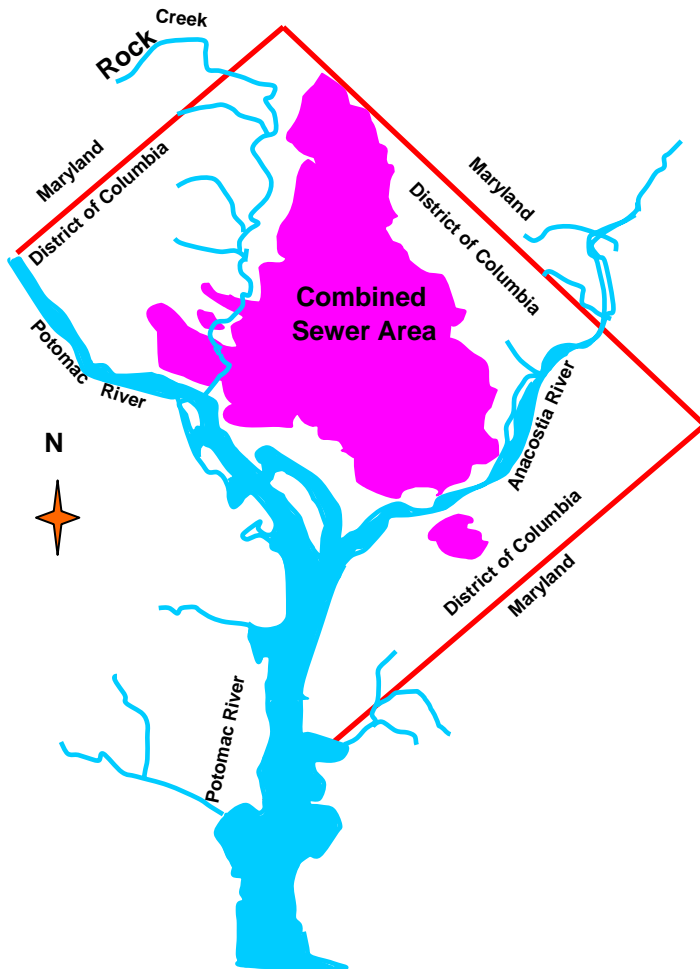
- ✓ 2 pipes in street
- ✓ 1 pipe handles runoff from storms, other handles wastewater
- ✓ In newer sections
- ✓ Modern practice
- ✓ Typical of newer cities (Phoenix, Las Vegas, etc.)

# What is a CSO?

## How CSO's Work:



# Where are Combined Sewers in the District?



- 1/3 area is combined (12,478 ac)
- 2/3 area has separate storm and sanitary sewers
- 53 CSO outfalls

# Why are CSOs a Concern?

- Can adversely affect quality of receiving waters
- Primary concerns:
  - ✓ Bacteria levels
  - ✓ Contribute to low dissolved oxygen in water
    - Potential for fish stress or fish kills
    - Affects other aquatic life
  - ✓ Aesthetics - contributes to trash on waterways



**CSO 017 to Anacostia River  
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# What is WASA to doing to Control CSOs?

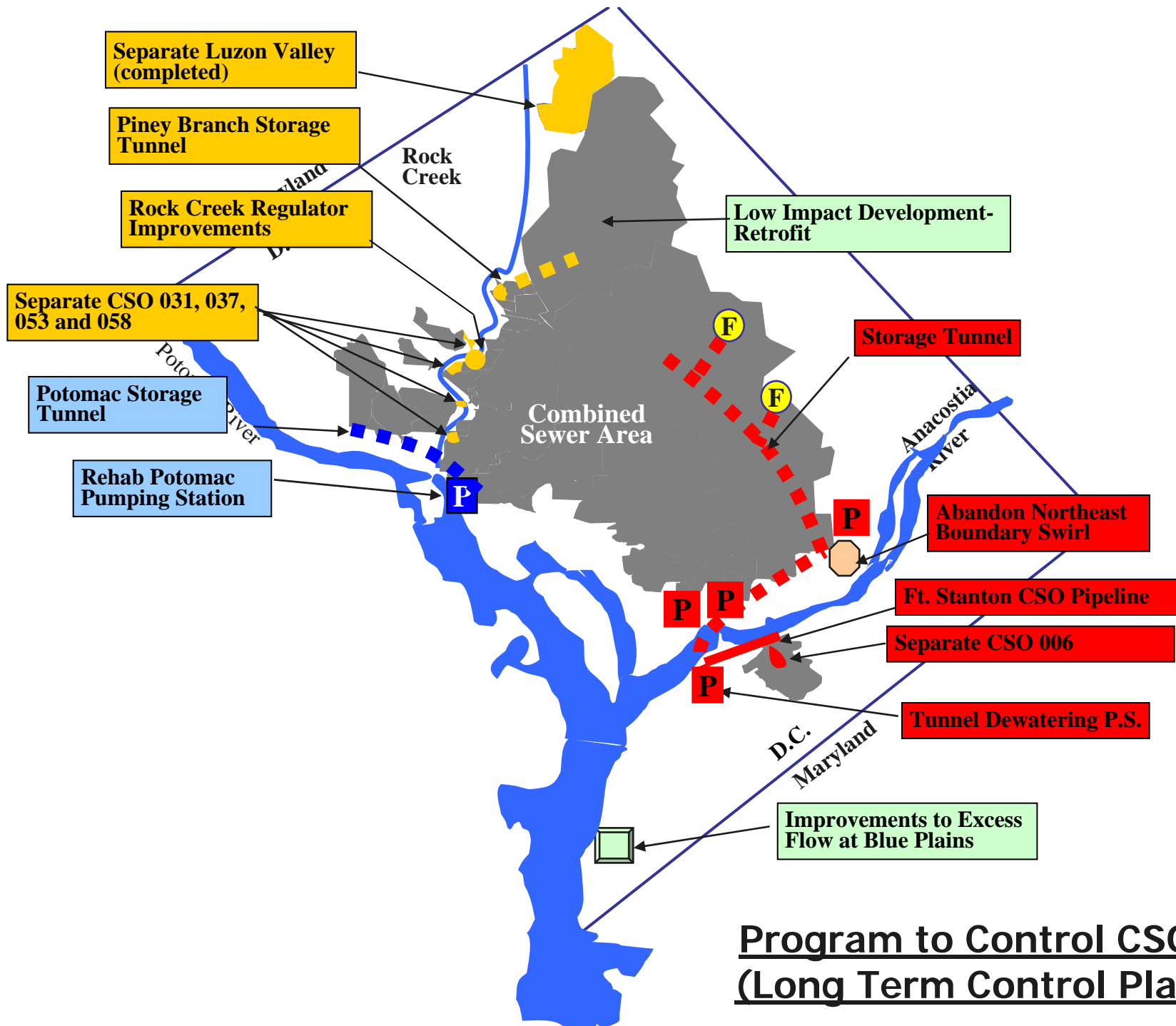
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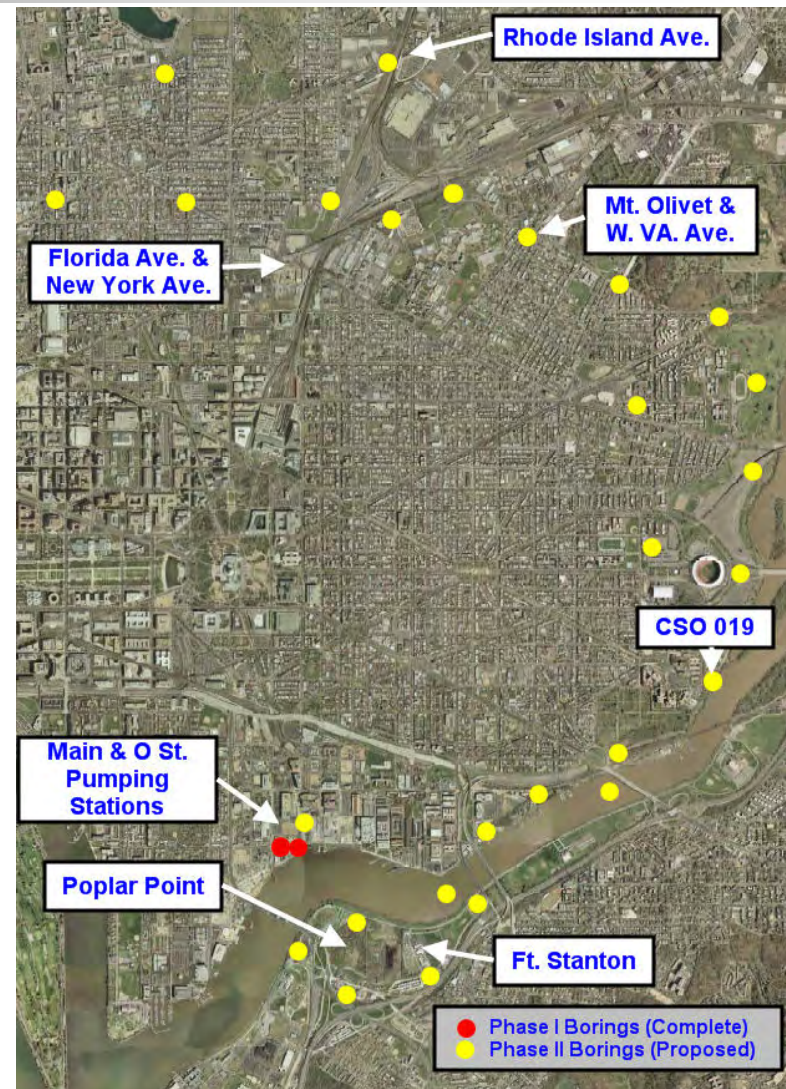


## Program to Control CSOs (Long Term Control Plan)



# Facility Plan for Anacostia Tunnel

- Underway now
- Evaluating tunnel alignments
- Exploring subsurface conditions
- Completion in 2008



Preliminary Boring Locations



# Typical Equipment for Subsurface Investigations



Typical Sonic Drilling Equipment



Typical Geophysical Survey Equipment



# Long Term CSO Control Plan - Anacostia River Projects Planned Geophysical Surveys

- Primary Purpose is to Identify Elevation and Quality of Bedrock Surface
- Cables Along Ground Surface in 470 ft Lengths with Geophones and Seismograph
- Periodic Noise from Energy Source
- Minor Traffic Impact at Street Crossings
- Surveys Along NY Ave. at Night

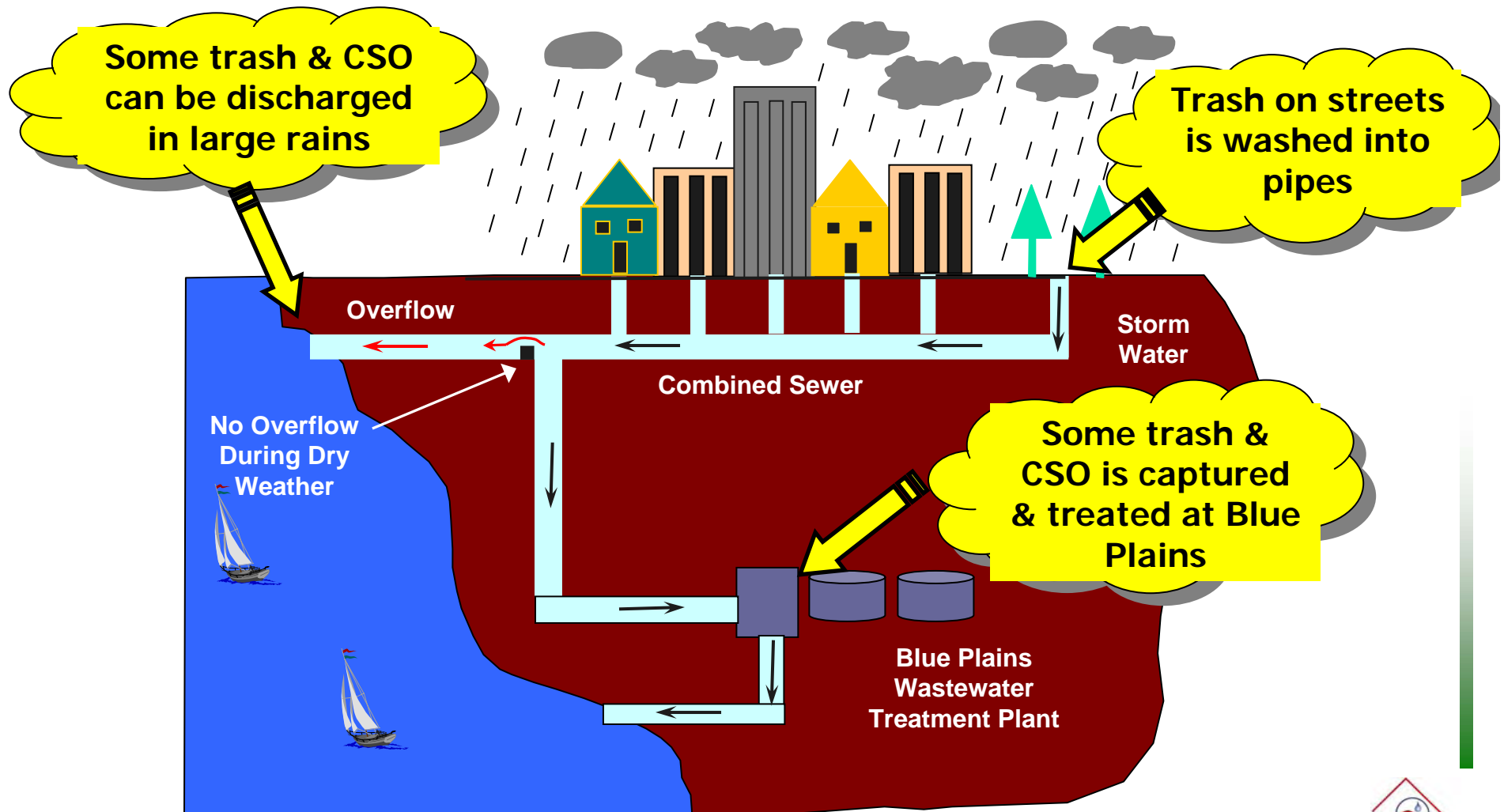


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- Trash or debris that can be washed into receiving waters during storms
  - ✓ *Litter* (cans, candy wrappers, napkins, etc)
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# How does Trash Reach Rivers in Combined Sewer System?





# How does Trash Reach Rivers in Separate Sewer System?



Trash on Streets



Is washed into sewers



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- If catch basins don't catch trash, it reaches waterways

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- Regular catch basin cleaning
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  - ✓ Netting system on Anacostia River
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# Catch Basin Cleaning



# Anacostia River Floatable Debris Removal Program

- Continuing Program
- Removes average of 70 tons/month
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WASA Skimmer Boat



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Netting System at CSO 018  
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# Questions and Answers





# District of Columbia Water and Sewer Authority



## **Community Education Program:** **Combined Sewer Overflow Control Project Update,** **Floatable Pollution Reduction** **and** **Proper Disposal of Household Materials** **Autumn 2007**



# Agenda

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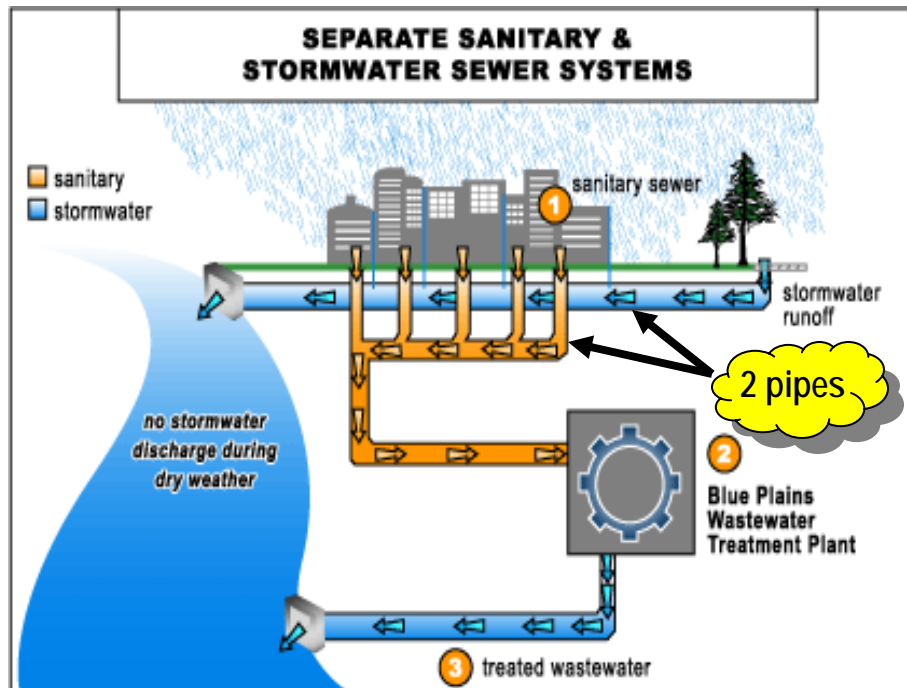
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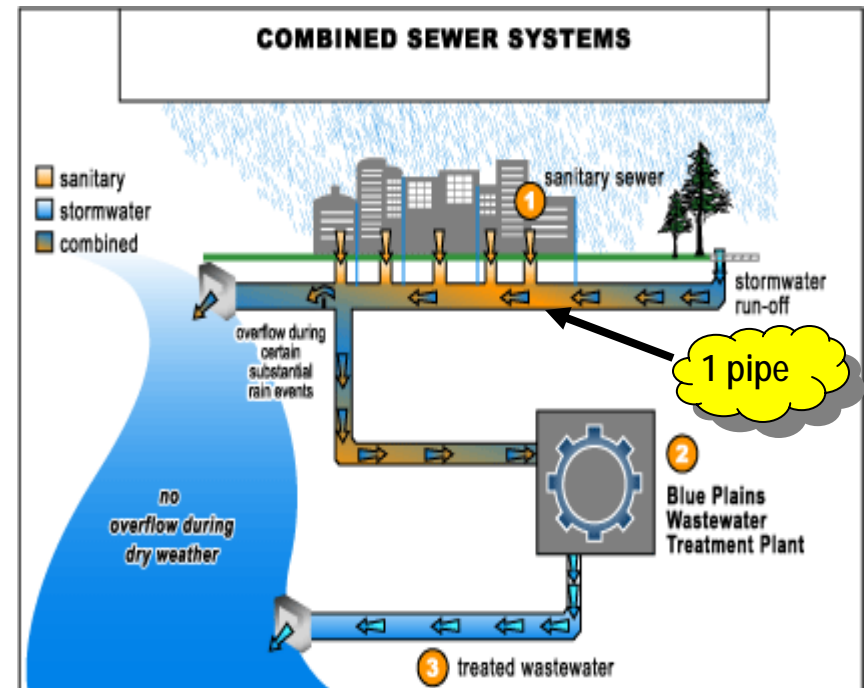
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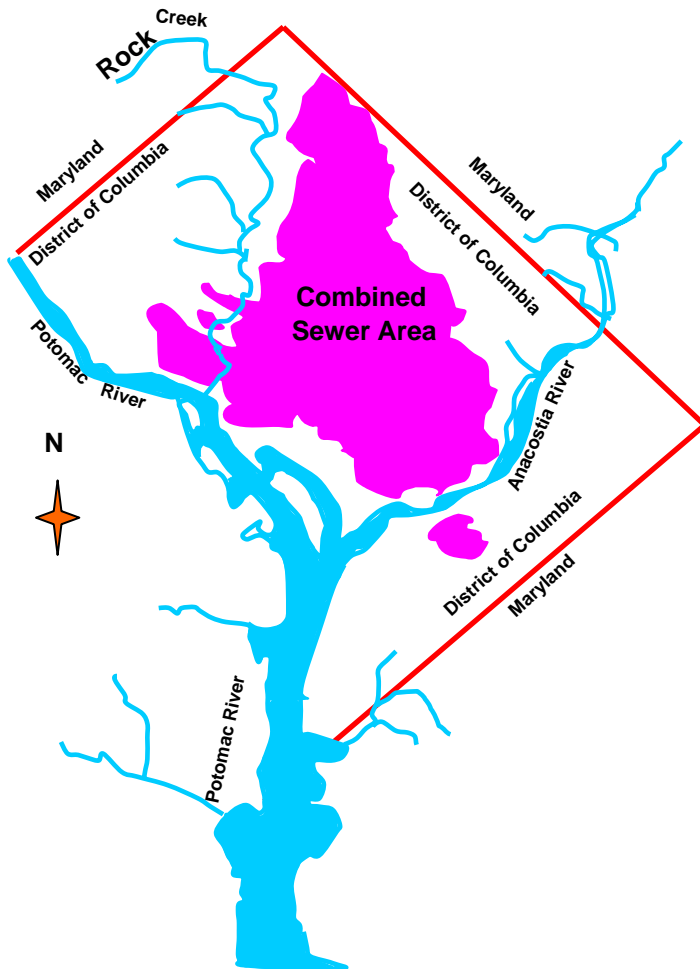


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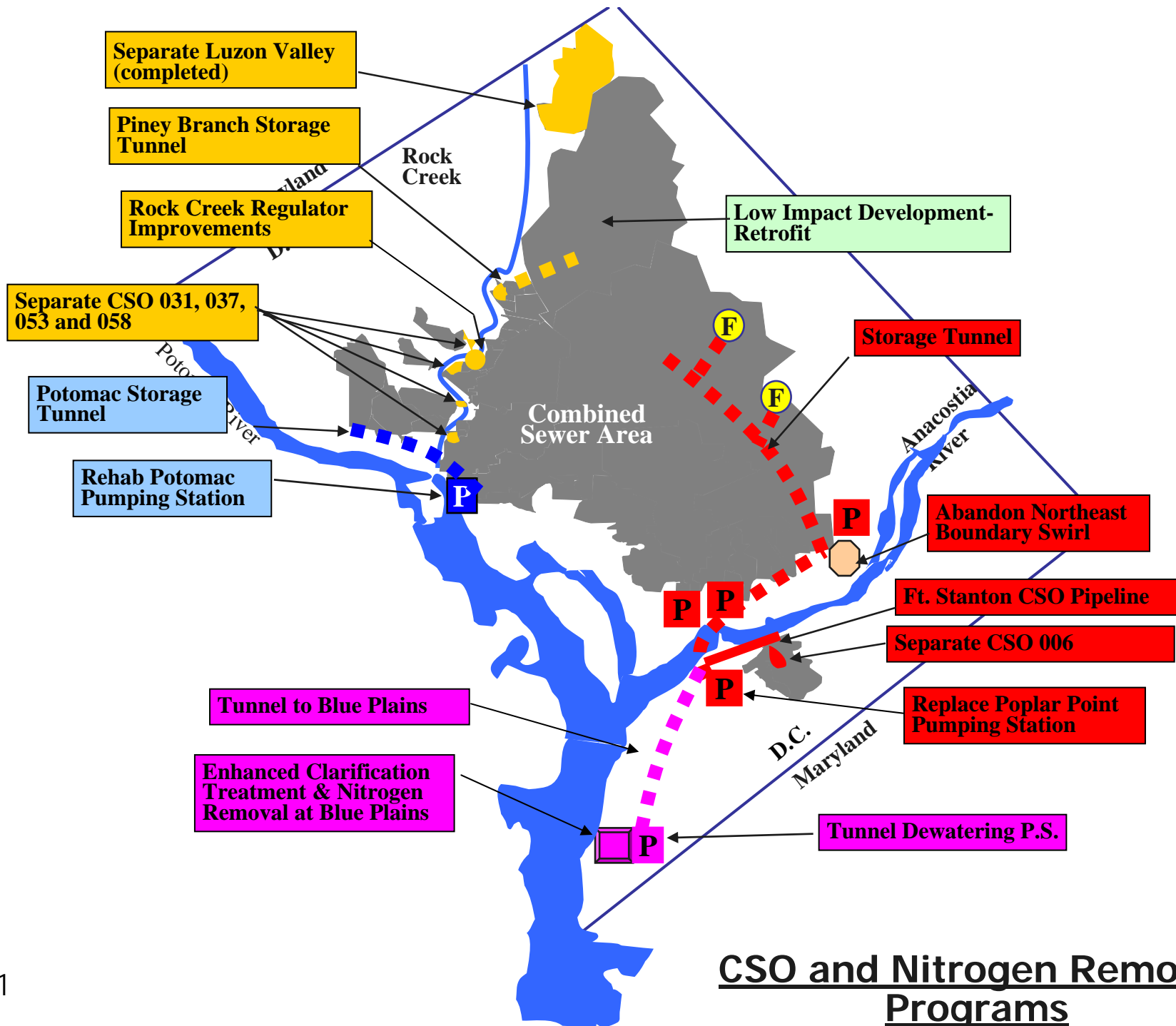




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  - ✓ Already built LIDs at Bryant Street & Eastside PS
  - ✓ Submitted a plan for additional LIDs to EPA for approval
  - ✓ Set aside \$500,000 to monitor effectiveness of LIDs installed on WASA facilities



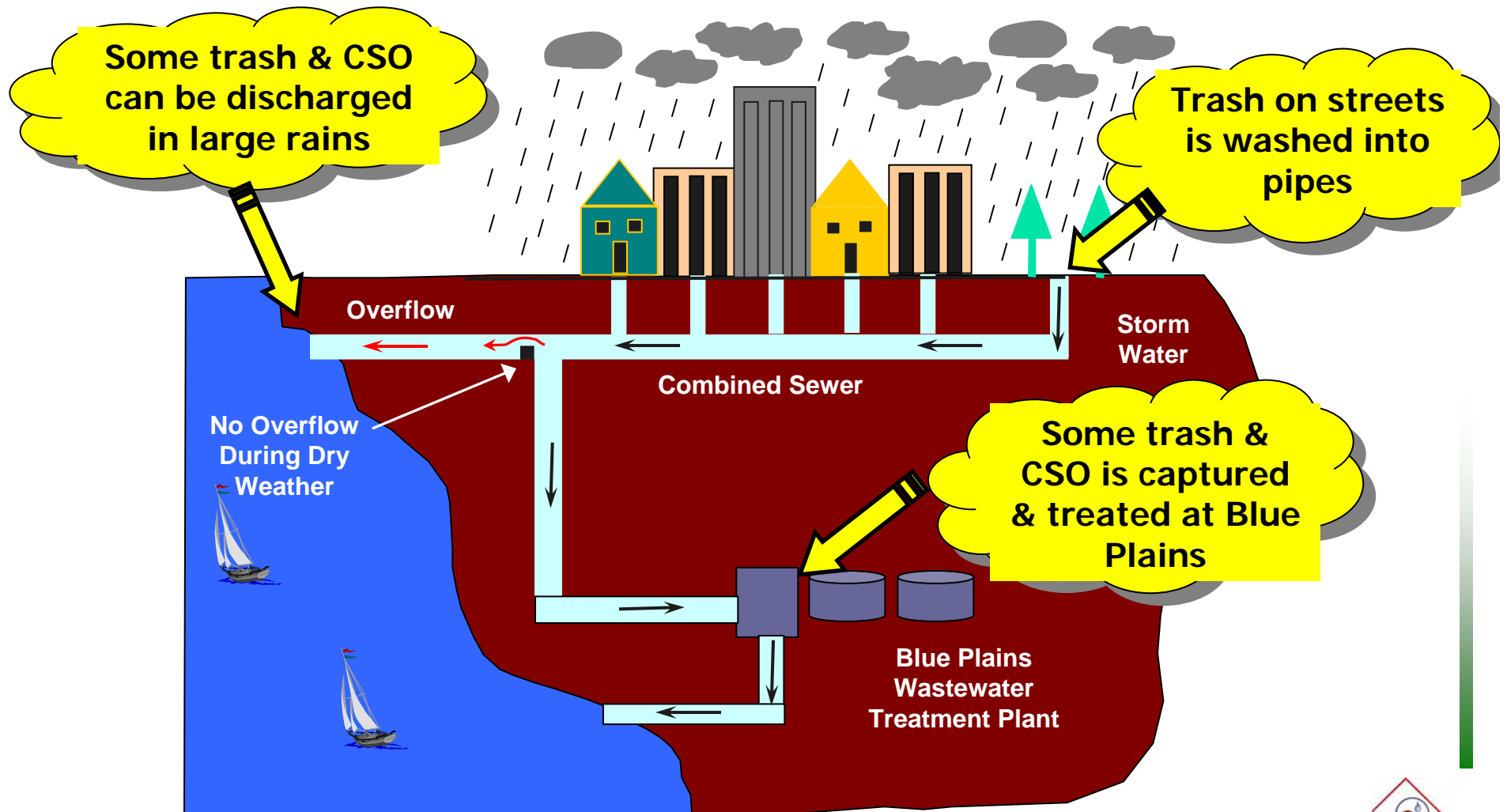
## CSO and Nitrogen Removal Programs

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  - ✓ Motor oil, gasoline, antifreeze, car wax, windshield wiper fluid
- Next Date: Oct. 27, 2007, 9 am to 3 pm at Benning Road Trash Transfer Station, 3200 Benning Road, NE.
- More info:
  - ✓ Citywide Call Center: (202) 727-1000
  - ✓ <http://dpw.dc.gov/dpw>

# What about Recycling & Yard Waste

## RECYCLING

- Call District Citywide Call Center at (202) 727-1000 for recycling bins.
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## YARD WASTE

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- District has schedule for yard waste collection. Call the Citywide Call Center (202) 727-1000 to find out or visit <http://dpw.dc.gov/dpw/cwp/view,a,1203,q,518129.asp>
- Leaves may be taken to Fort Totten Transfer Station, located at 4900 Bates Road, NE, from 1 pm to 5 pm, Monday through Friday and 8 am to 3 pm on Saturday. Call (202) 576-6803.

# What can Businesses do to Help?

- **Restaurants**

- ✓ Install and maintain grease traps or interceptors

- **Automobile shops**

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# Anacostia River CSO Control Project Facility Plan Update

- Establish system operation
- Select alignment (Interface with agencies and projects)
- Site key facilities
- Investigate subsurface (geotechnical)
- Public participation
- Complete facility Plan 2008



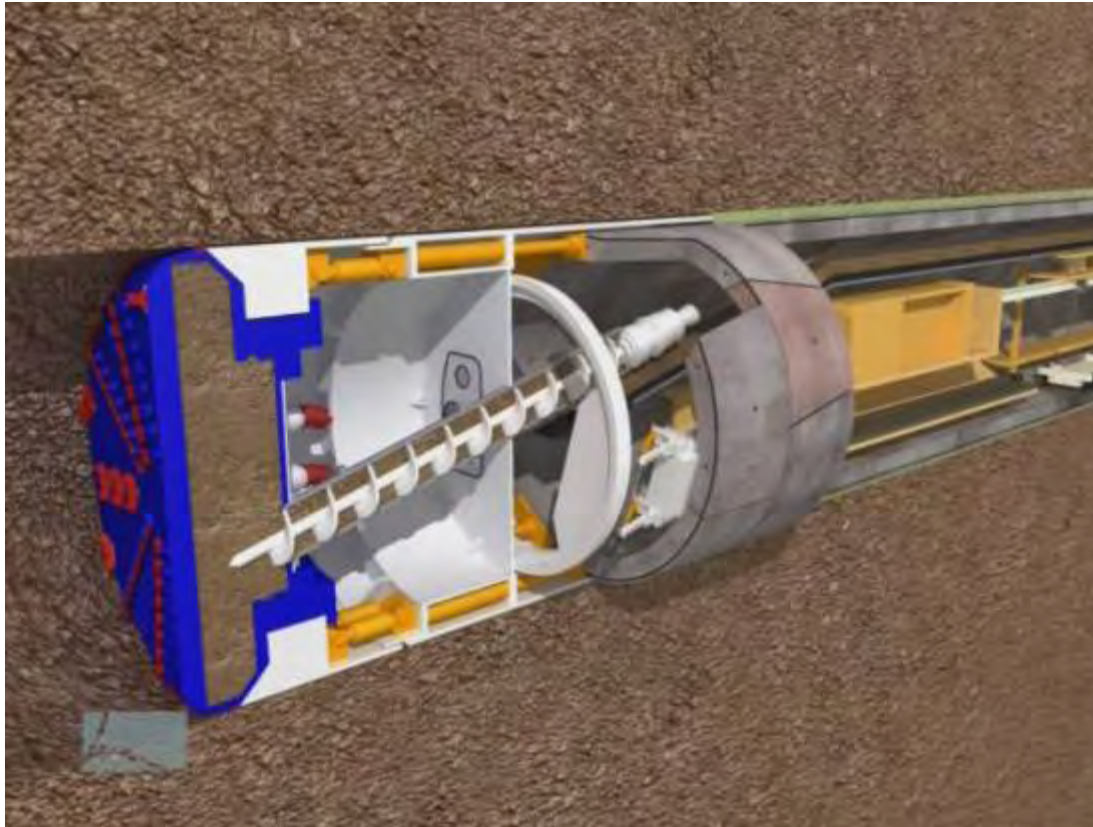
## Anacostia River Projects Facility Plan: Key Facilities



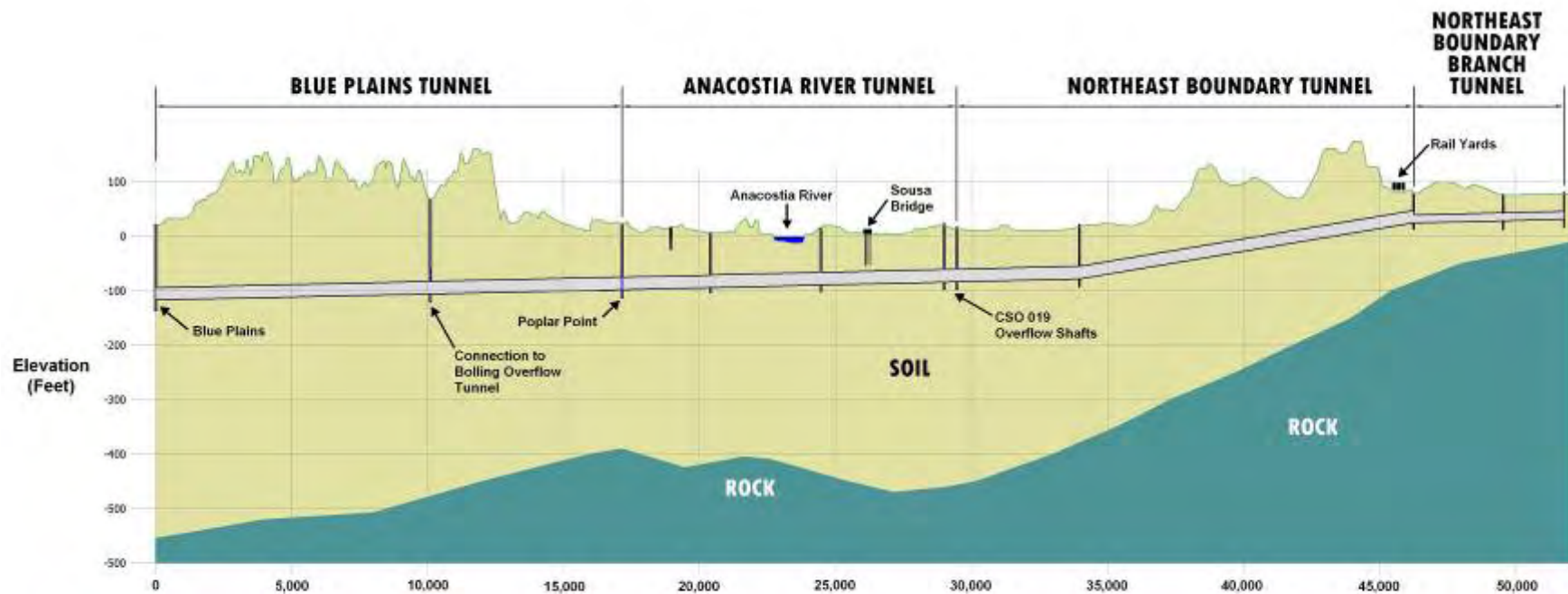
- Tunnels
- Shafts
- Diversions
- Tunnel Overflows
- Diversion Sewers



# Tunnels Constructed by Tunnel Boring Machine

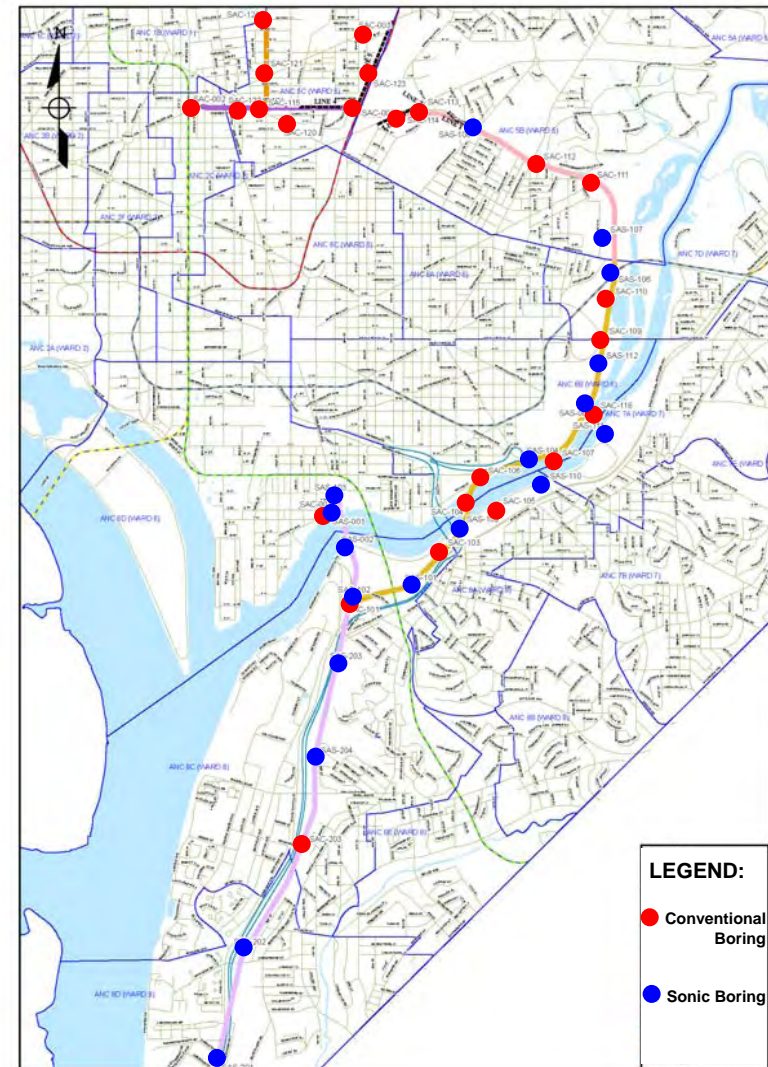


# Tunnel Depth





# Anacostia River Projects Facility Plan: Geotechnical Investigations



# Construction Complete 2018

- BPT (Blue Plains Tunnel)
- BOT (Bolling Overflow Tunnel)
- ART (Anacostia River Tunnel)
- CSO Diversions





# Construction Complete 2025

- NEBT (NE Boundary Tunnel)
- Branch Tunnels
  - ✓ R Street
  - ✓ 1<sup>st</sup> NW
  - ✓ Rhode Island Ave.
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**Winter 2008**



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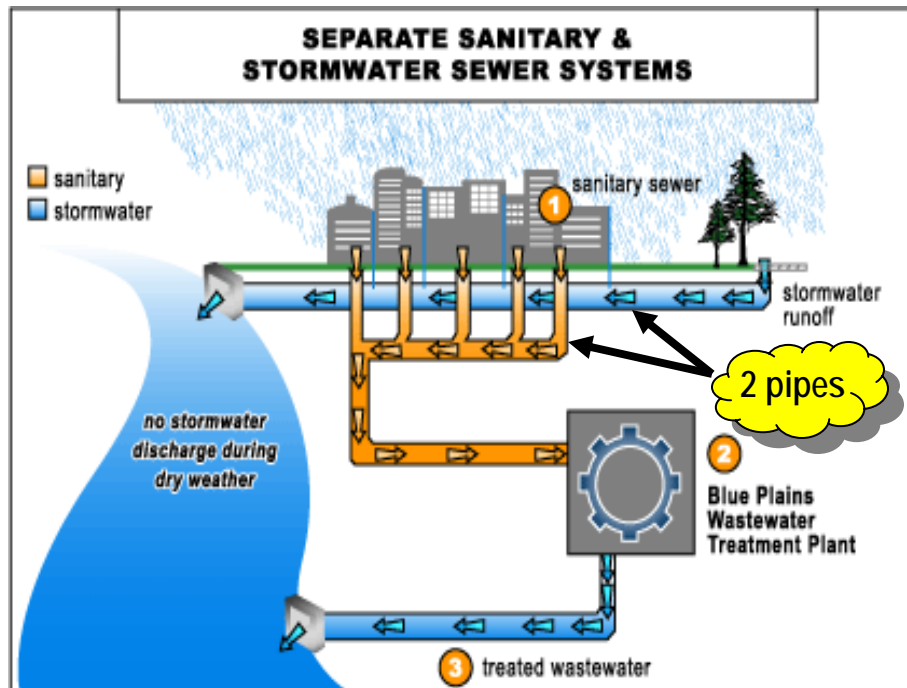
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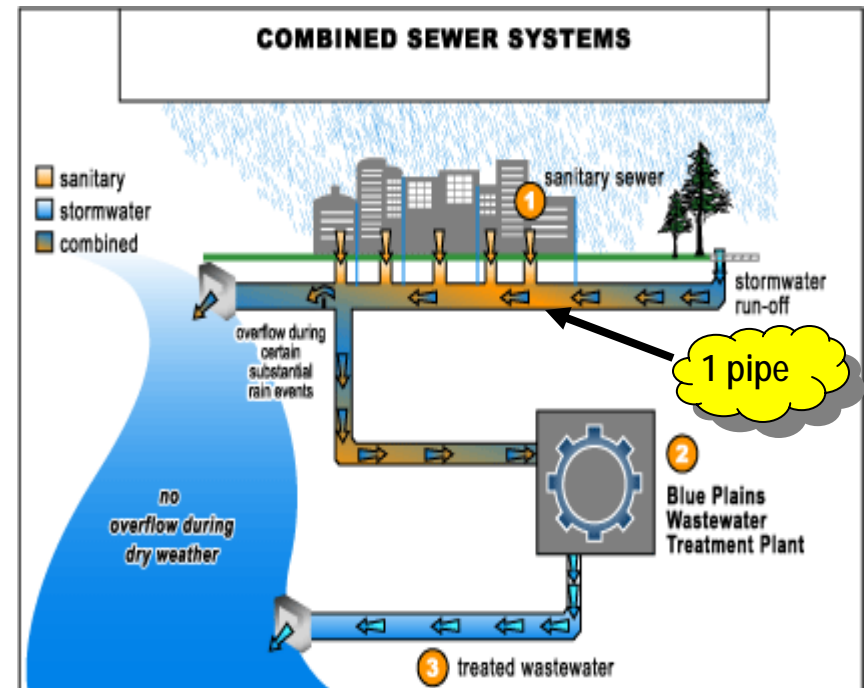
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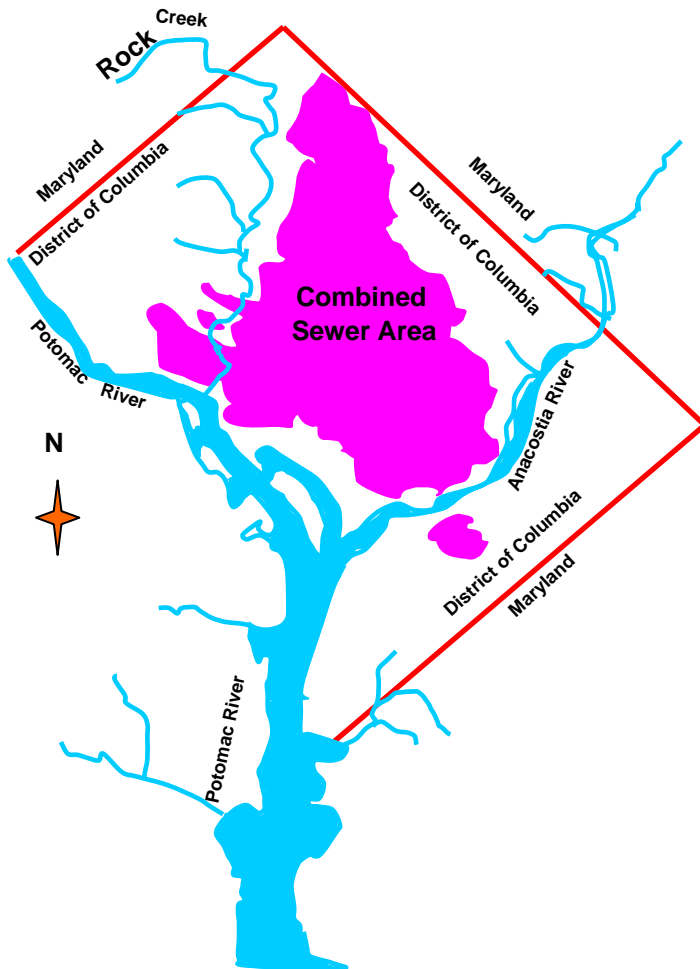


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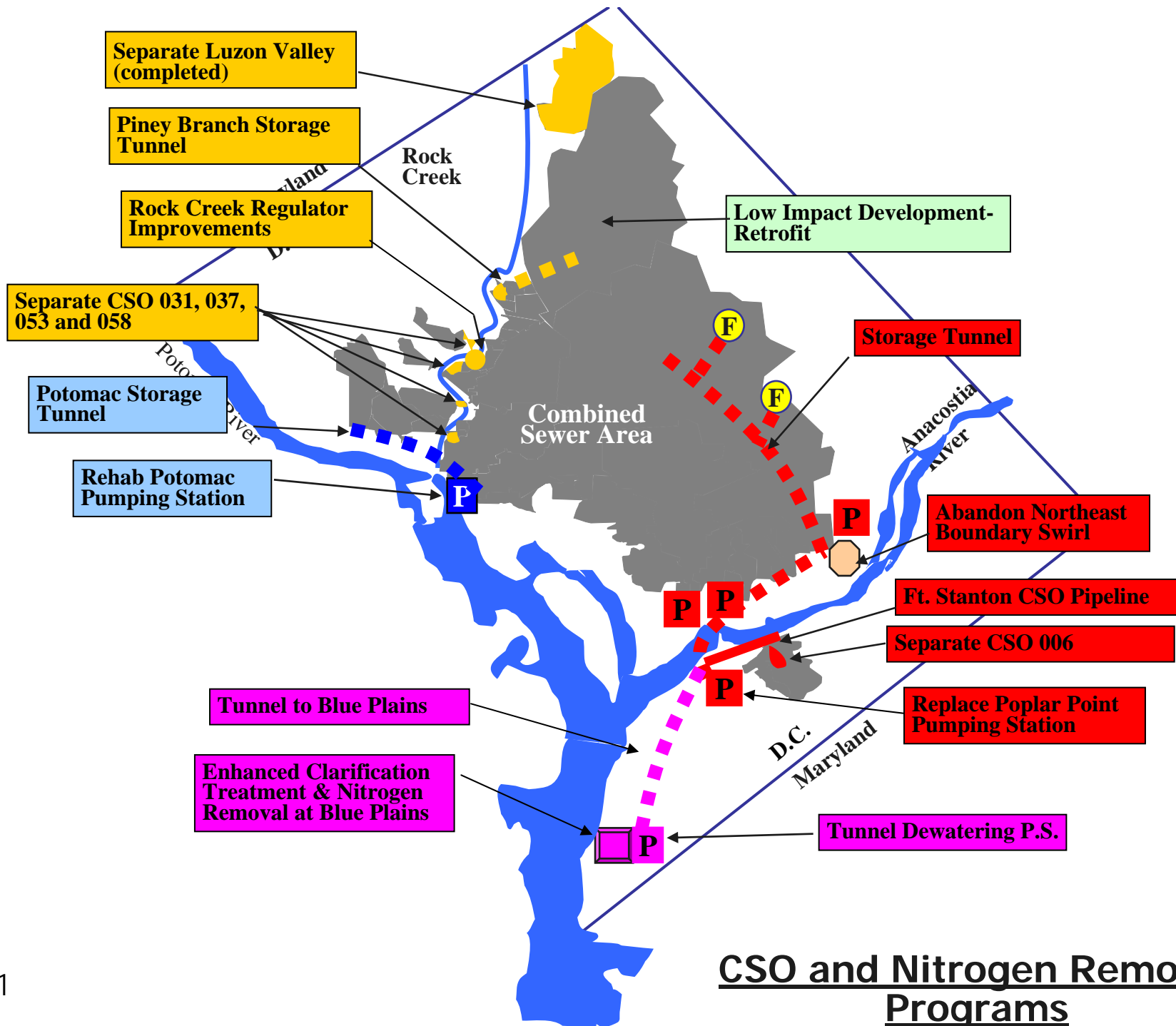


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- **WASA has allocated \$3,000,000 to install LIDs on its own facilities:**
  - ✓ Already built LIDs at Bryant Street & Eastside PS
  - ✓ Submitted a plan for additional LIDs to EPA for approval
  - ✓ Set aside \$500,000 to monitor effectiveness of LIDs installed on WASA facilities





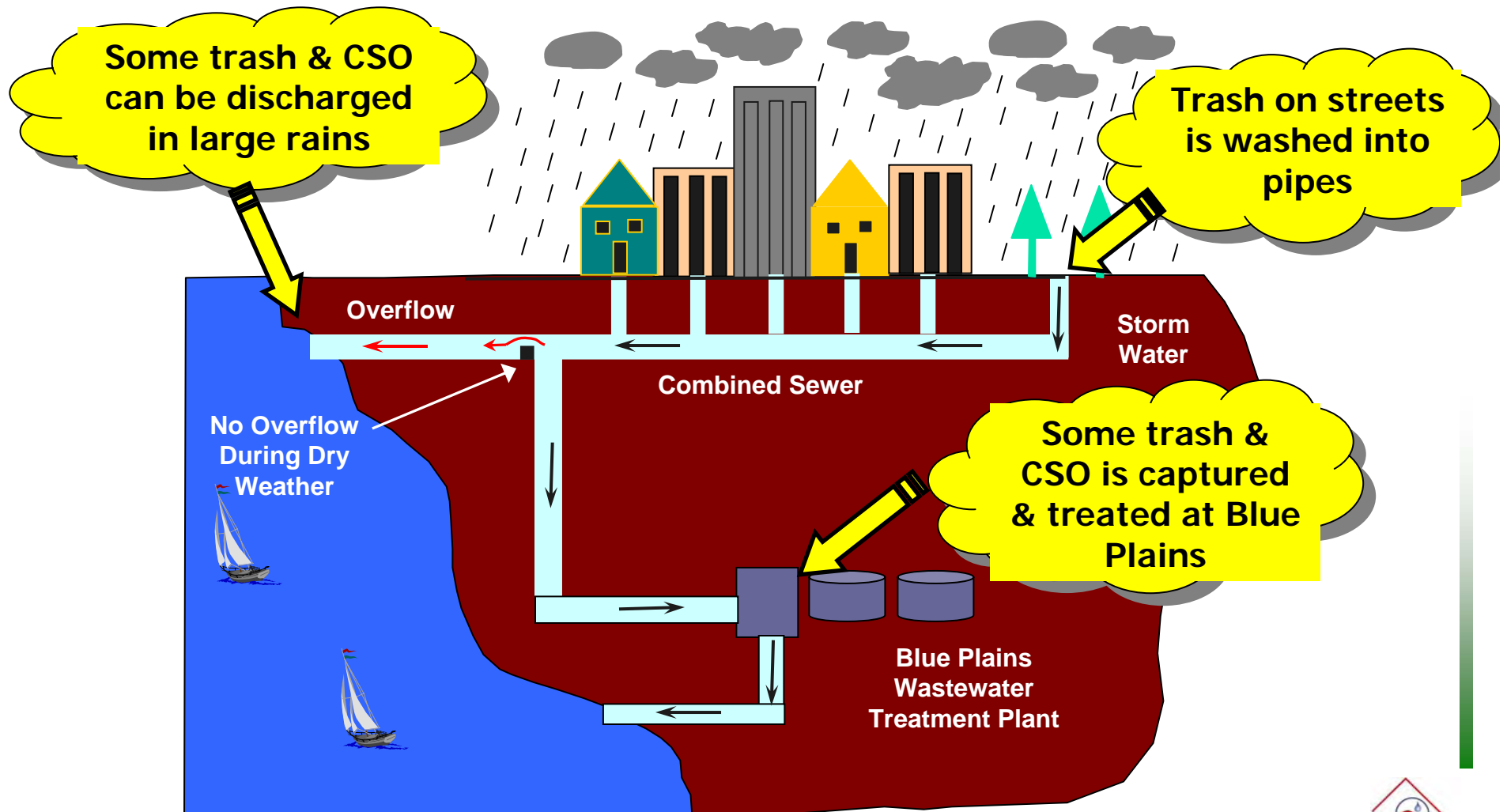
## CSO and Nitrogen Removal Programs

# What are Solids and Floatables (Trash)?

- Trash or debris that can be washed into receiving waters during storms
  - ✓ *Litter* (cans, candy wrappers, napkins, etc)
  - ✓ Items in wastewater (sanitary products, etc other)



# How does Trash Reach Rivers in Combined Sewer System?



# How does Trash Reach Rivers in Separate Sewer System?



Trash on Streets



Is washed into sewers



Discharges to River

- Typically, no treatment is provided for stormwater
- If catch basins don't catch trash, it reaches waterways

# What is WASA Doing to Reduce Trash in Rivers?

- Regular catch basin cleaning
- Long Term Plan for Reducing CSOs (Long Term Control Plan)
- Anacostia Floatable Debris Removable Program
- Demonstration Projects
  - ✓ Netting system on Anacostia River
  - ✓ Bar Racks at two Rock Creek CSOs



# Catch Basin Cleaning



# Anacostia River Floatable Debris Removal Program

- Continuing Program
- Removes average of 70 tons/month
- Works cooperatively with U.S. Army Corps of Engineers



WASA Skimmer Boat



# Solids and Floatables Demonstration Projects

- Demonstration project on Anacostia River to remove solids and floatables
- Operational since April 2000
- Typically removes 400-1000 lbs per rain event



Netting System at CSO 018  
to Anacostia River



# What can you do to Reduce Trash on our Rivers?

## DO NOT

- Litter
- Use catch basins as trash cans
- Dispose of motor oil or hazardous materials in storm drains or trash
- Dispose of cooking oil or grease to sewer

## DO

- Dispose of trash in approved receptacles
- Keep streets and neighborhoods clean
- Dispose of motor oil and hazardous wastes in approved manners
- Dispose of cooking oil /grease with trash

# How should Hazardous Materials be Handled?

- Don't pour down sinks or in catch basins.
- District has scheduled weekly Household Hazardous Waste Collections. Some typical household hazardous wastes are:
  - ✓ Nail polish remover, bug spray, bleach, old medicine
  - ✓ Batteries, lighter fluid, shoe polish, house cleansers, moth balls
  - ✓ Varnish, glue, turpentine, paint, pesticides, pool chemicals
  - ✓ Motor oil, gasoline, antifreeze, car wax, windshield wiper fluid
- Locations: Benning Road Trash Transfer Station, 3200 Benning Road, NE and Fort Totten Trash Transfer Station, 4900 Bates Road, NE
- Times: Saturdays, except holidays, 8 am to 3 pm
- More info:
  - ✓ Citywide Call Center: 311
  - ✓ <http://dpw.dc.gov/dpw>

# What about Recycling & Yard Waste

## RECYCLING

- Call District Citywide Call Center at 311 or from outside the District at (202) 737-4404 or dial for recycling bins.
- D.C. collects newspaper, corrugated cardboard, computer and office paper, metal food and beverage cans, plastic bottles and jugs, glass jars and bottles.
- DC recycling website:  
<http://recycle.dpw.dc.gov/recycle/site/default.asp>

## YARD WASTE

- Don't rake leaves into the gutter
  - ✓ Yard waste can obstruct the flow and clog catch basins, causing flooding
- District has schedule for yard waste collection. Call the Citywide Call Center at 311 to find out or visit  
<http://dpw.dc.gov/dpw/cwp/view,a,1202,q,640237.asp>
- Leaves may be taken to Fort Totten Transfer Station, located at 4900 Bates Road, NE, from 1 pm to 5 pm, Monday through Friday and 8 am to 3 pm on Saturday. Call 311.

# What can Businesses do to Help?

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- **Restaurants**

- ✓ Install and maintain grease traps or interceptors

- **Automobile shops**

- ✓ Dispose of fluids responsibly

- **All businesses**

- ✓ Dispose of trash in receptacles that prevent littering from people, birds and animals and wind

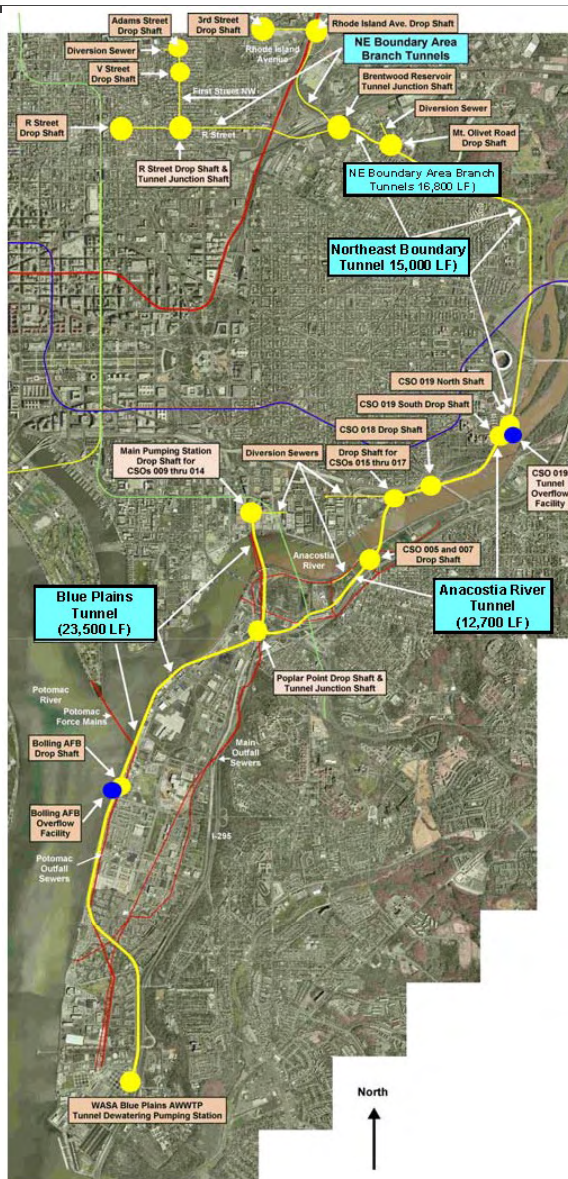
# Anacostia River CSO Control Project Facility Plan Update

- Establish system operation
- Select alignment (Interface with agencies and projects)
- Site key facilities
- Investigate subsurface (geotechnical)
- Public participation
- Complete Facility Plan 2008 – Draft prepared
- Summary Facility Plan Report submitted to EPA



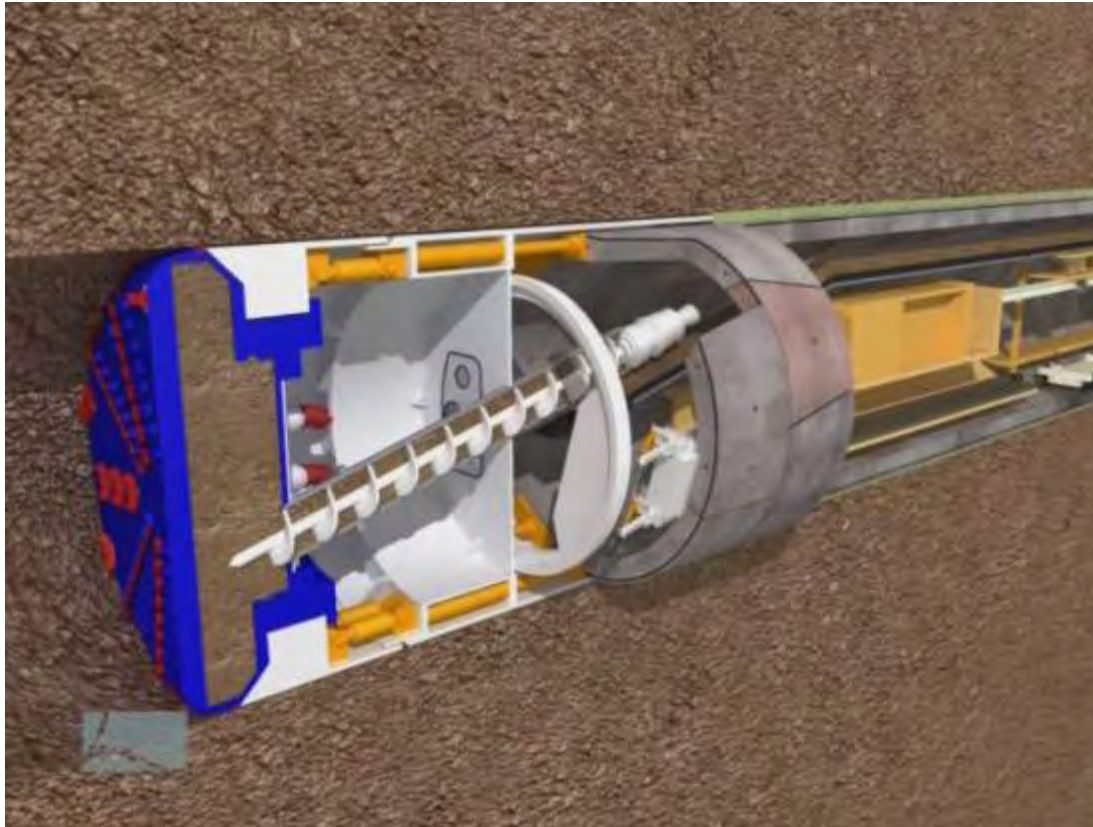


# Anacostia River Projects Facility Plan: Key Facilities



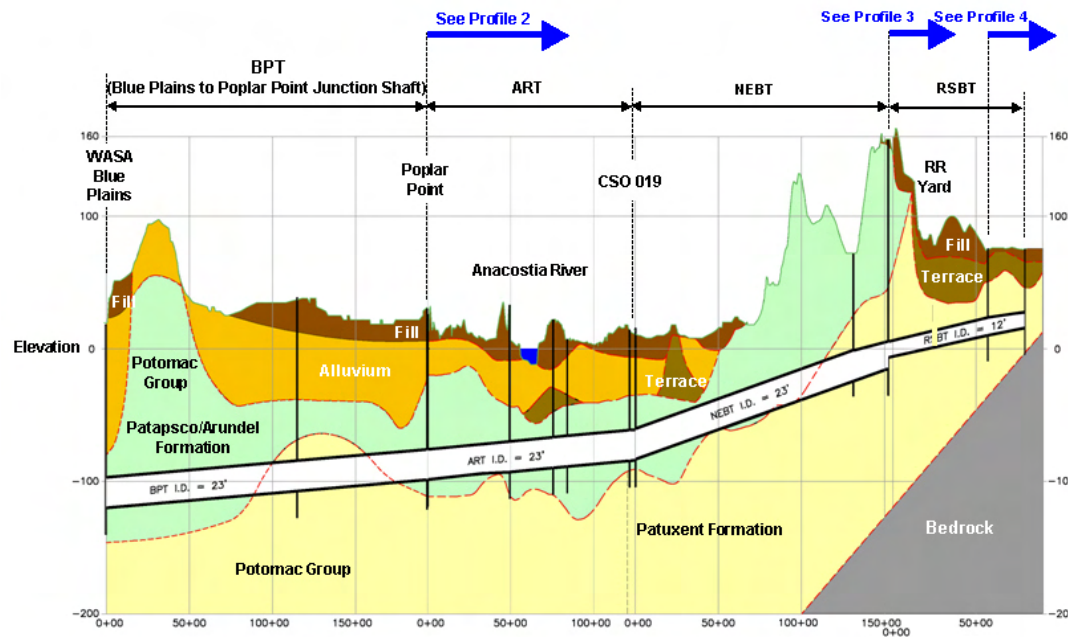
- Tunnels
- Shafts
- Diversions
- Tunnel Overflows
- Diversion Sewers

# Tunnels Constructed by Tunnel Boring Machine

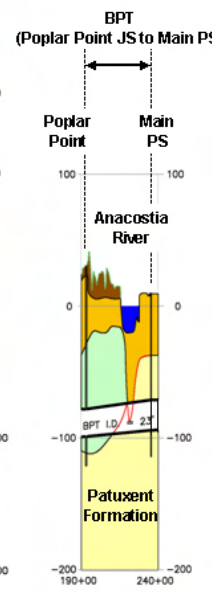




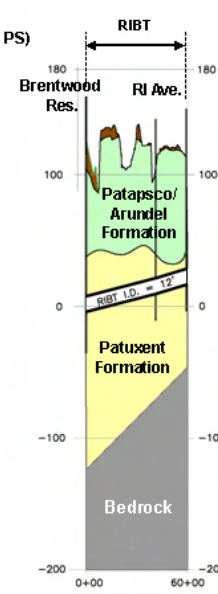
# Tunnel Depth



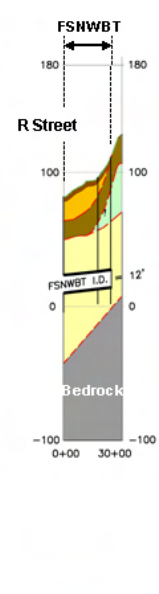
Profile 1: Continous Profile of Tunnel System



Profile 2



Profile 3



Profile 4

## TUNNELS:

BPT = Blue Plains Tunnel  
 ART = Anacostia River Tunnel  
 NEBT = Northeast Boundary Tunnel  
 RSBT = R Street Branch Tunnel  
 RIBT = Rhode Island Branch Tunnel  
 FSNWBT = First Street NW Branch Tunnel

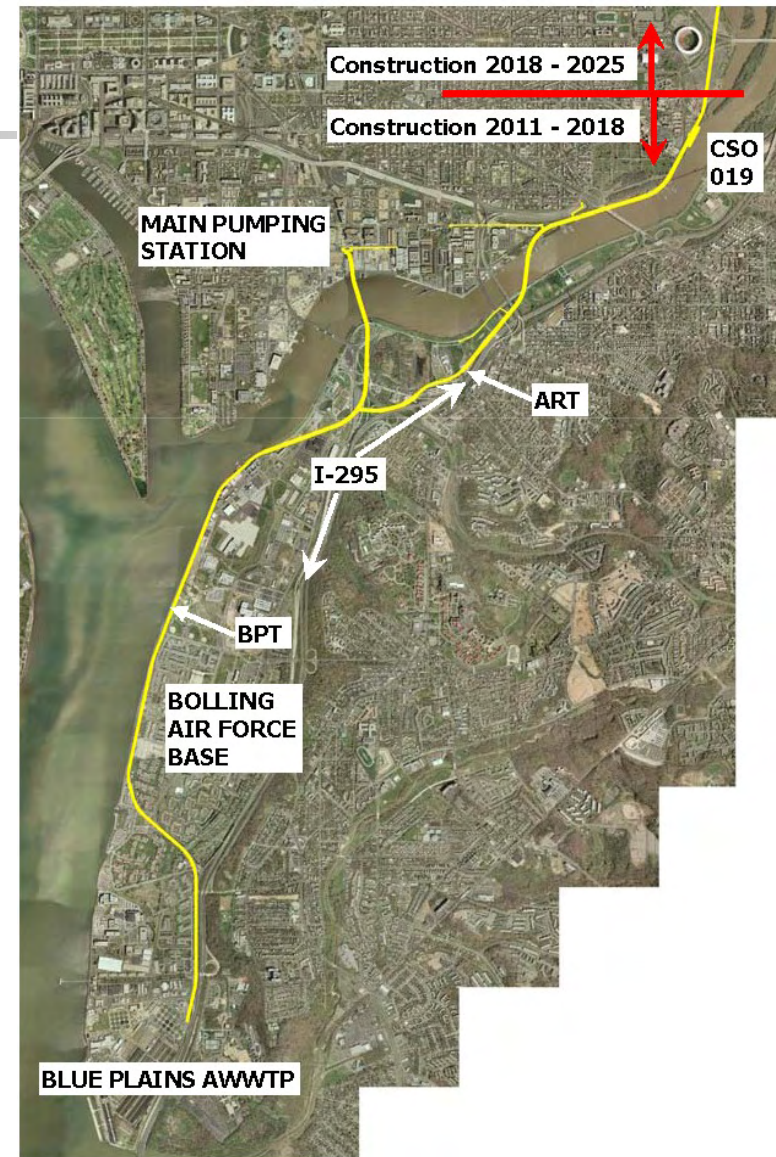


# Anacostia River Projects Facility Plan: Geotechnical Investigations



# Construction Complete 2018

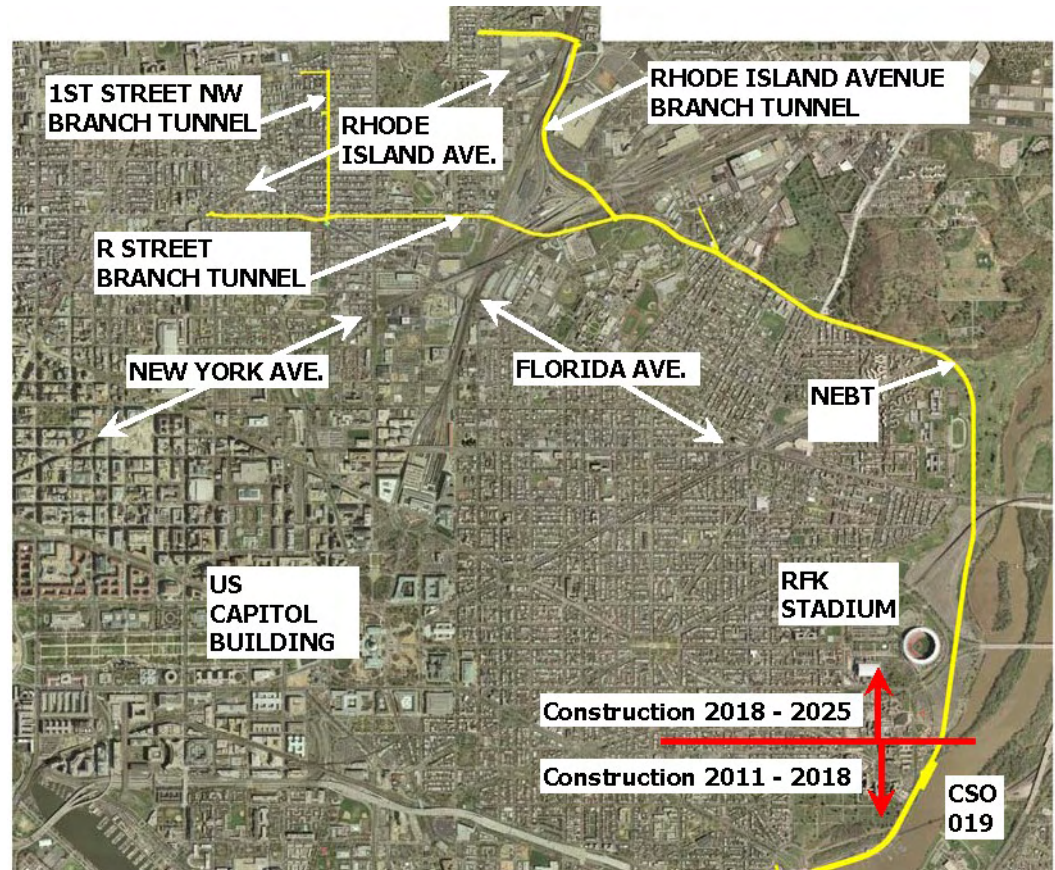
- BPT (Blue Plains Tunnel)
- ART (Anacostia River Tunnel)
- CSO Diversions





# Construction Complete 2025

- NEBT (Northeast Boundary Tunnel)
- Branch Tunnels
  - ✓ R Street
  - ✓ 1<sup>st</sup> NW
  - ✓ Rhode Island Ave.
- CSO Diversions



# Where can I get more Information?

- **WASA – water and sewer questions**
  - ✓ Customer Service: 202-354-3600
  - ✓ Emergencies: 202-612-3400
  - ✓ Questions about CSOs: Ronald E. Bizzarri, 202-787-2014, [Ronald.Bizzarri@dcwasa.com](mailto:Ronald.Bizzarri@dcwasa.com) or Dr. Mohsin Siddique, 202-787-2634, [mohsin.siddique@dcwasa.com](mailto:mohsin.siddique@dcwasa.com)
  - ✓ Web site: [www.dcwasa.com](http://www.dcwasa.com)
  
- **D.C. Government – trash and hazardous waste questions**
  - ✓ Citywide Call Center at 311.
  - ✓ Web site: <http://dpw.dc.gov>