

**DISTRICT OF COLUMBIA  
DRAFT FISCAL YEAR 2009  
CONSTRUCTION GRANTS PROJECT PRIORITY LIST  
FOR WATER POLLUTION CONTROL PROJECTS**

**Send comments to:**

**District Department of the Environment  
Water Quality Division  
51 N Street, N.E., 5<sup>th</sup> Floor  
Washington, D.C. 20002  
Attention: PPL 2009**

**District of Columbia  
Facility Number (32): 11-0001-001  
Permit Number (C2): DC 0021199**

**District of Columbia  
Water and Sewer Authority  
5000 Overlook Avenue, S.W.  
Washington, D.C. 20032**

## **DISTRICT DEPARTMENT OF THE ENVIRONMENT**

### **NOTICE OF PUBLIC HEARING**

The District Department of Environment (DDOE) invites the public to present its comments at a public hearing on the fiscal year (FY) 2009 and 2010 Project Priority Lists (PPL) for the District of Columbia's Construction Grant Program. The PPLs delineate projects likely to receive Federal and D.C. funds to construct or improve wastewater treatment facilities and other related infrastructures for FY 2009 and in future years.

Copies of the Draft FY 2009 PPLs and additional information are on file at the Martin Luther King, Jr. Library, 901 G St., NW, Washington, D.C. 20001, and may be inspected during normal business hours. In addition, the document can be downloaded at the following website address <http://www.ddoe.dc.gov> under the Information section at the Public Notices & Hearings bullet.

**DATE:** Tuesday, March 3, 2009  
**TIME:** 6:00 p.m.  
**PLACE:** District Department of the Environment  
51 N Street, N.E., Washington, D.C. 20002  
6th Floor Conference Room  
New York Avenue Metro Stop

Persons who wish to testify are requested to furnish in writing, their names, addresses, telephone numbers, and the organization they represent, if any, to the attention of N. Shulterbrandt at the address below, by Thursday, February 26, 2009.

District Department of the Environment  
Water Quality Division  
51 N Street, N.E., 5<sup>th</sup> Floor  
Washington, D.C. 20002

Other persons present at the hearing who wish to be heard, may testify if there is time after those on the witness list have been called and heard. Persons are urged to submit duplicate copies of their written statements. All presentations shall be limited to five minutes. The hearing will end earlier if all persons wishing to make comments have been heard. Persons may submit written testimony by mail to the address above. Such written testimony is to be clearly marked "PPL Public Hearing 2009," and received by Friday, March 6, 2009. DDOE will consider all comments in its final decision.

For additional information, call 202-535-2600.

FY 2009-2010  
DISTRICT OF COLUMBIA  
CONSTRUCTION GRANTS (CG) DRAFT PROJECT PRIORITY LIST (PPL)

STATUS OF FUNDS

A. Available Federal Funds	Dollars
FY 2009 CG Federal Funds (Estimated)	3,374,300
FY 2010 CG Federal Funds (Estimated)	3,374,300
Proposed Economic Stimulus Bill	48,000,000
Total Available	\$54,748,600

B. Projected Expenditure of Funds (DC's Federal Share)

1. Reserves

FY 2009 604(b)	100,000
FY 2010 604(b)	100,000
Total Reserve:	200,000

2. Blue Plains AWTP Projects:

For details of Blue Plains wastewater facilities upgrade projects  
see fundable and planning portions of sheets attached

Fundable Portion	38,326,113
Planning Portion	54,316,133
Total Projects	\$92,642,246

3. Projects outside Blue Plains AWTP:

# For details of projects outside Blue Plains AWTP  
see fundable and planning portions of sheets attached

Fundable Portion	66,422,775
Planning Portion	190,248,581
Total Projects	\$256,671,356

Total Federal Funds Needed: \$349,513,602

C. Distribution of Funds

1. FY 2009 604(b) Grant	100,000
2. FY 2010 604(b) Grant	100,000
3. Project Oversight Grants to DDOE/ACOE	\$2,189,944
4. Anticipated Projects for Grant Requests FY09-see funding table for ranking	
Area Substation No. 6	\$5,853,240
Nitrification Facility Upgrade Phase 3	16,430,049
Sewer Later Rehab and Main Lining	12,000,000
Sewer Lining and Rehab	12,000,000
Watts Branch Sewer Rehabilitation	1,371,531
Sewer Rehabilitation -10-12th Sts, Pennsylvania Ave	792,600
Pennsylvania Avenue Storm Rehabilitation	2,929,416
Additional Tide Gate Improvements	1,773,584
Laboratory Upgrades	2,151,684
Low Area Trunk Sewer - Inspection and Cleaning	1,960,953

Biological Sludge Thickening	13,891,140
Rock Creek CSO Sewer Separation	4,725,000
Sewer Inspection and Cleaning	10,000,000
Outfall Sewer Rehabilitation	18,869,692
	,
Total FY 2009 Grant Awards	\$104,748,889

Anticipated Projects for Grant Request FY 10-see funding table for ranking

Total FY 2010 Grant Awards	\$0
	,

5. FY 09-10 Balance \$104,748,889 \*

\* FY 09 PPL has been expanded to include all potential projects to use the money from the proposed Economic Stimulus Bill. Grant funding up to 100% maybe possibly available.

\*\*Based on the amount of the Econmoc Stimulus Bill, 4% will go to ACOE and DDOE for project oversight

The project priority rating system uses a system that numerically score clean water projects based upon there contribution to protecting public health, improving compliance with regulatory standards and maintaing clean water reliability, safety and environment. The ranking system includes a provision allowing for funding of lower ranked projects (i.e for by passing higher ranked projects) based on exigent circumstances and implementability of the lower ranked projects relative to the higher projects proposed to be by-passed.

DRAFT  
DISTRICT OF COLUMBIA CONSTRUCTION GRANTS PROJECT PRIORITY LIST FOR FY 2009-2010

FUNDABLE PORTION

Priority Rank	Parent Project Number	Project Number	Project Step	Cert. Target Date	Project Description	Total Eligible Cost	100%	41%	4%	46%	8%	other funding	Funding Status
							TOTAL EST EPA Cost	DC Share Federal	PI Share Federal	MD Share Federal	VA Share Federal		
							Local Cost \$	Local Cost \$	Local Cost \$	Local Cost \$	Local Cost \$		
5/59	BR			6/2009	Nitrification Facility Upgrade Phase 3	40,073,291	40,073,291	16,430,049	1,602,932	18,433,714	3,205,863		A
8/52	EU01			2/2009	#Sewer Lateral Rehab and Main Lining	12,000,000	12,000,000	12,000,000					B
2/71	A419			3/2009	#Watts Branch Sewer Rehabilitation	5,486,122	5,486,122	1,371,530				4,114,592	B
1/76	BH02			3/2009	#Rock Creek CSO Separation	10,500,000	10,500,000	4,725,000				5,775,000	B
3/71	XB			2/2009	Biological Sludge Thickening	33,700,000	33,700,000	13,891,140	1,492,910	15,448,080	2,824,060		A
9/52	I901			3/2009	#Sewer Rehab - 10th-12th, vic. Penn. Ave.	792,600	792,600	792,600					B
10/52	BO04			3/2009	#Pennsylvania Ave Storm Sewer Rehab	2,929,416	2,929,416	2,929,416					B
6/57	D201			9/2009	#Outfall Sewer Rehabilitation	45,778,000	45,778,000	18,869,692	2,027,965	20,984,635	3,836,196		B
4/69	A403			4/2009	#Additional Tide Gate Improvements	1,773,584	1,773,584	1,773,584					B
13/20	CV			7/2009	Laboratory Upgrades	5,220,000	5,220,000	2,151,684	231,246	2,392,848	437,436		B
7/53	DR01			5/2009	#Low Area Trunk Sewer - Inspection & Cleanin	1,960,953	1,960,953	1,960,953					B
4/59	EV			9/2009	Area Substation No. 6	14,200,000	14,200,000	5,853,240	629,060	6,509,280	1,189,960		B
12/52				2/2009	#Sewer Inspection and Cleaning	10,000,000	10,000,000	10,000,000					B

DRAFT  
DISTRICT OF COLUMBIA CONSTRUCTION GRANTS PROJECT PRIORITY LIST FOR FY 2009-2010

FUNDABLE PORTION

Priority Rank	Parent Project Number	Project Number	Project Step	Cert. Target Date	Project Description	Total Eligible Cost	100%	41%	4%	46%	8%	other funding	Funding Status	
							TOTAL EST EPA Cost	DC Share Federal	PI Share Federal	MD Share Federal	VA Share Federal			
							Local Cost	Local Cost	Local Cost	Local Cost	Local Cost	Local Cost		
							\$	\$	\$	\$	\$	\$		
11/52				2/2009	#Sewer Rehabilitation and Lining	12,000,000	12,000,000	12,000,000					B	
									38,326,113	Projects at Blue Plains AWTP				
									<u>66,422,775</u>	Projects outside Blue Plains AWTP				
									104,748,888					
TOTAL FEDERAL FUNDS NEEDED (FUNDABLE PORTION)						196,413,966								

# Projects outside Blue Plains AWTP

DRAFT  
District Of Columbia Construction Grants Project Priority List for FY 2009-2010

Priority Rank	Parent Project Number	Project Number	Project Step	Cert. Target Date	Project Description	Planning Portion						Funding Status	
						Total Eligible Cost	100%	41%	4%	46%	8%		I & A
							TOTAL EST EPA Cost	DC Share Federal	PI Share Federal	MD Share Federal	VA Share Federal		
						Local Cost	Local Cost	Local Cost	Local Cost	Local Cost	Local Cost		
						\$	\$	\$	\$	\$	\$		
5/82		XA		9/2011	New Digestion Facilities	233,360,732	128,348,403	52,905,212	5,852,687	58,834,908	10,755,596	D	
							105,012,330	43,286,082	4,788,562	48,137,652	8,800,033		
4/92		E9		9/2011	Nitrogen Removal Facilities	300,902,762	165,496,519	68,217,665	7,546,641	75,863,604	13,868,608	D	
							135,406,243	55,814,453	6,174,525	62,070,222	11,347,043		
1/96		EG		9/2011	#Blue Plains Tunnel	239,584,197	131,771,308	54,316,133	6,008,772	60,403,968	11,042,436	D	
							107,812,889	44,440,473	4,916,268	49,421,428	9,034,720		
6/71		BI		9/2011	Secondary Aeration System Improvements	19,992,110	10,995,660	4,532,411	501,402	5,040,411	921,436	D	
							8,996,449	3,708,336	410,238	4,123,972	753,902		
3/92		E8		9/2012	Enhanced Clarification Facilities	206,435,118	113,539,315	46,800,906	5,177,393	52,046,422	9,514,595	D	
							92,895,803	38,291,650	4,236,049	42,583,436	7,784,668		
2/92		EE		9/2011	Centrate Treatment Facilities	78,480,821	43,164,451	17,792,387	1,968,299	19,786,585	3,617,181	D	
							35,316,369	14,557,407	1,610,426	16,189,024	2,959,512		
# Projects outside Blue Plains AWTP													
TOTAL FEDERAL FUNDS NEEDED (PLANNING PORTION)						1,078,755,740		54,316,133	Projects outside Blue Plains AWTP				
								190,248,581	Projects at Blue Plains AWTP				
								244,564,714					

**FY 2009 -2010**  
**DISTRICT OF COLUMBIA**  
**CONSTRUCTION GRANTS PROJECT PRIORITY LIST**

**JUSTIFICATION FOR GRANT REQUESTS**

**Biological Sludge Thickening**

This project entails the rehabilitation of Dissolved Air Flotation Thickeners that are used to process sludge from the biological wastewater treatment systems at Blue Plains. The rehabilitated equipment and systems will improve the reliability of solids processing thereby improving the entire treatment process.

The area of work is either inside a building or the runoff drains into the wastewater treatment process and therefore the construction will not generate any overland pollution. The project, along with other plant upgrades will further improve water quality of the receiving waters, which will have direct benefit for the residents of the District of Columbia and downstream jurisdictions.

**Nitrification Facility Upgrade Phase 3**

This project entails the rehabilitation of mixers in the Nitrification/Denitrification Reactors and replacement and consolidation of electrical switchgear. The rehabilitated and new equipment will support other ongoing upgrades to the nitrification/denitrification process at Blue Plains, making it possible to more reliably meet the Nitrogen Reduction Goals of the Chesapeake Bay Program required by EPA. The project is consistent with the regional water quality management plan.

Appropriate measures will be implemented to control pollution due to runoff, if any. The project, along with other point and non point source (NPS) pollution control projects, will further improve water quality of the receiving waters, and it will have direct benefit for the residents of the District of Columbia and downstream jurisdictions.

**Laboratory Upgrades**

This project will renovate the central laboratory building located at Blue Plains. This building was constructed around 1935, was last renovated in the early 1980s, and is in need of renovation of the building shell, doors, windows, and roof, as well as the heating, ventilation and air conditioning system. The project will refurbish the building interior, including floors, walls, and ceilings and replace laboratory benches and fume hoods. This project would abate the asbestos contained in the older building materials.

Appropriate measures will be implemented to control pollution due to runoff, if any. A laboratory in decent condition is essential to monitoring plant performance and effluent quality, and therefore meeting the NPDES permit requirements. The upgraded facility will contribute to the ability of the Advanced Wastewater Treatment Plant at Blue Plains to continue to produce the high quality effluent discharge required to maintain the water quality in the Potomac River, thereby benefiting the citizens of the District of Columbia and downstream jurisdictions.

#### **Area Substation No. 6**

This project provides a new Area Substation No. 6 (ASS-6) with three feeds to replace Area Substation No. 4 (ASS-4). ASS-4 is 30 years old and obsolete. The substation has only two feeds and does not provide the necessary reliability to meet current needs. ASS-4 would become a vault for other electrical equipment. The project includes structural, HVAC, and site work required for operation of the new area substation.

Appropriate measures will be implemented to control pollution due to runoff, if any. The upgraded facility will contribute to the ability of the Advanced Wastewater Treatment Plant at Blue Plains to continue to produce the high quality effluent discharge required to maintain the water quality in the Potomac River, thereby benefiting the citizens of the District of Columbia and downstream jurisdictions.

#### **Outfall Sewer Rehabilitation**

This project is to rehabilitate the Outfall Sewers, including manholes and Structures 1B, 2, 2a and 4. This project will rehabilitate approximately 20,000 linear feet of the Outfall Sewers from Main Pump Station to Blue Plains. Additionally, this project will convert a portion of the CSO 003 outfall into a relief sewer and clean portions of the North Interconnecting Branch Sewer. This project is required by a 3-party Consent Decree that requires beneficial occupancy by April 11, 2011.

Appropriate measures will be implemented to control pollution due to runoff, if any. The project, along with other point and non point source (NPS) pollution control projects, will further improve water quality of the receiving waters, and it will have direct benefit for the residents of the District of Columbia and downstream jurisdictions.

#### **Rock Creek CSO Separation**

This project entails work to separate storm sewers from sanitary sewers in the Rock Creek Basin. The benefit of the project is the reduction of combined sewer overflows into Rock Creek. The improvement to water quality in Rock Creek will benefit the citizens of the District of Columbia. Appropriate measures will be implemented to control pollution due to runoff, if any.

#### **Sewer Lateral Rehabilitation and Main Lining**

This project entails the repair or replacement of approximately 20,000 linear feet of local sewers and approximately 200 sewer laterals that have already been reported and cleaned out by the Department of Sewer Services on at least three occasions.

### **Watts Branch Sewer Rehabilitation**

This project is for the construction of sewer improvements around Watts Branch, a tributary to the Anacostia River in the NE quadrant of the District. Sewer improvements include the relocation of approximately 1,000 feet of sanitary sewer and the CIPP lining of approximately 2,000 feet of the sanitary interceptor sewer. The project, along with other point and non point source (NPS) pollution control projects, will further improve water quality of the receiving waters, and it will have direct benefit for the residents of the District of Columbia.

### **Pennsylvania Ave Storm Sewer Rehabilitation**

This project is for the design and construction of storm sewer improvements at two sites: Park Drive, SE at 32nd Street, SE and Bangor Street, SE between Pitts Place, SE and 16th Street, SE. Park Drive improvements will relocate a damaged storm sewer outfall, and the Bangor Street improvements will correct a localized, flooding problem.

### **Low Area Trunk Sewer - Inspection & Cleaning**

This project is for the cleaning and closed-circuit TV Inspection of the Low Area Trunk Sewer. The work involves cleaning and inspection of approximately 12,000 liner feet of 42-inch diameter combined and sanitary sewers and two 12-inch sewer siphons. The Low Area Trunk Sewer project begins at Pennsylvania Ave, NW at 13th Street, NW and ends at Main Pumping Station on 1st Street, SE.

### **Additional Tide Gate Improvements**

This project will construct tide gate improvements at 5 combined sewer locations in the District: CSO 003 (on Bolling AFB to the Anacostia River), CSO 005 and 007R (on NPS property to the Anacostia River), CSO 024 (near Washington Harbor in Georgetown to the Potomac River) and CSO 025 (under Whitehurst Freeway in Georgetown to Potomac River). The project, along with other point and non point source (NPS) pollution control projects, will further improve water quality of the receiving waters, and it will have direct benefit for the residents of the District of Columbia and downstream jurisdictions.

### **Sewer Rehab - 10th - 12th, Vic. Penn. Ave**

This project entails installation of a structural liner system for approximately 500 feet of 36-inch combined sewer pipe on 10th Street NW and approximately 530 feet of 30-inch combined sewer pipe on 12th Street NW.

### **Sewer Inspection and Cleaning**

This project entails inspection and cleaning of sewer pipes throughout the wastewater collection system. This project is necessary to restore integrity, reliability and capacity to the wastewater collection system. An additional benefit of this project is to identify deterioration of infrastructure before it fails so that adequate planning for replacement or rehabilitation can occur.

### **Sewer Rehabilitation and Lining**

This project entails rehabilitation and lining of sewer pipes in select locations throughout the wastewater collection system. This project is needed to replace aged infrastructure to restore integrity, reliability and capacity of the sanitary sewer system for the benefit of residents the District of Columbia.

## **EXPLANATION OF PROJECTS ON PPL PLANNING PORTION**

### **New Digestion Facilities (XA, previously 582/A1)**

This project will construct new digestion and appurtenant facilities capable of anaerobically digesting biosolids generated at the Blue Plains Advanced Wastewater Treatment Plant. The new facilities will replace the 12 existing digesters that were decommissioned in December 2000, and will consist of thermal hydrolysis trains, followed by mesophilic digestion, with appurtenant facilities to include a combined heat and power (CHP) facility to provide digester heating, thermal hydrolysis steam, and electrical power generation utilizing digester gas; and related dewatering, thickening and thickened sludge storage facilities. A Class A biosolids product will be produced.

Appropriate sediment and erosion control measures, which will be implemented during construction, will prevent runoff into the river. The reduction in biosolids production because of the new digesters will result in a fewer truck loads of biosolids being transported from the Blue Plains site. Benefits of the reduction in truckloads to citizens of the District of Columbia and other jurisdictions include a reduction in noise, odor and the risk of spills and accidents.

### **Nitrogen Removal Facilities**

The Total Nitrogen Removal Project is part of DC WASA's proposed Total Nitrogen -Wet Weather (TN/WW) Plan, which addresses the requirements of the Long Term Control Plan as well as the Chesapeake Bay Tributary Strategies for reducing nitrogen discharged into the Chesapeake Bay. The project entails removal of additional nitrogen from the wastewater prior to discharge from the Advanced Wastewater Treatment Plant at Blue Plains to the Potomac River.

### **Blue Plains Tunnel**

The Blue Plains Tunnel is part of DC WASA's proposed Total Nitrogen -Wet Weather (TN/WW) Plan, which addresses the requirements of the Long Term Control Plan as well as the Chesapeake Bay Tributary Strategies for reducing nitrogen discharged into the Chesapeake Bay. The principal components of this project are a 23 foot diameter tunnel from Main and O Streets to Blue Plains and a tunnel dewatering pump station at Blue Plains. The project improves the quality of discharge to the Potomac and Anacostia Rivers during wet weather events.

### **Secondary Aeration System Improvements**

The purpose of this project is to improve the reliability of the secondary treatment process, especially during wet weather flows. The improvements will reduce energy use and operating costs and provide a consistent quality influent to the nitrification and denitrification processes thereby increasing the reliability of the nitrogen removal system as well. This project will contribute to the ability of DCWASA to its NPDES permit limits, particularly for total nitrogen discharge from Blue Plains.

The improvements will contribute to the ability of the Advanced Wastewater Treatment Plant at Blue Plains to continue to produce the high quality effluent discharge required to maintain the water quality in the Potomac River, thereby benefiting the citizens of the District of Columbia and downstream jurisdictions.

**Enhanced Clarification Facilities**

The purpose of this project is to provide improved treatment capacity for increased flow to Blue Plains Advanced Wastewater Treatment Plant (AWTP) during wet weather conditions. It is anticipated that improvements to the collection system and reduction of combined sewer overflows under the CSS LTCP will result in higher wet weather flow volumes at Blue Plains.

**Centrate Treatment Facilities**

Once the anaerobic digesters are operating, the recycle flows from solids processing will contain significantly more ammonia than they currently do. A treatment system for the recycle flow will be beneficial to reduce the loading into the main process nitrification and denitrification processes.

Appropriate measures will be implemented to control pollution due to runoff, if any. The project, along with other point and non point source (NPS) pollution control projects, will further improve water quality of the receiving waters, and it will have direct benefit for the residents of the District of Columbia and downstream jurisdictions.

**DRAFT FY 2009-2010  
DISTRICT OF COLUMBIA  
CONSTRUCTION GRANTS PROJECT PRIORITY LIST  
PROJECT RANKING**

Project Description	Category I		Category II	Category III	Category IV	Category V	Total
	A	B					
	<b><u>Fundable Portion:</u></b>						
<b>Nitrification Facility Upgrade Phase 3</b>	15	10	0	9	15	10	59
<b>Watts Branch Sewer Rehabilitaion</b>	16	5	15	10	15	10	71
<b>Sewer Rehab, 10th, 12th, Penn. Ave.</b>	5	5	10	7	15	10	52
<b>Pennsylvania Ave. Storm Sewer Rehab</b>	5	5	10	7	15	10	52
<b>Outfall Sewer Rehabilitation</b>	10	5	10	7	15	10	57
<b>Additional Tide Gate Improvements</b>	15	5	15	9	15	10	69
<b>Laboratory Upgrades</b>	0	5	0	0	5	10	20
<b>Low Area Trunk Sewer Inpec. &amp; Cleaning</b>	8	5	15	9	10	6	53
<b>Area Substation No. 6</b>	15	5	15	9	5	10	59
<b>Sewer Inspection and Cleaning</b>	5	5	10	7	15	10	52
<b>Sewer Rehabilitation and Lining</b>	5	5	10	7	15	10	52
<b>Biological Sludge Thickening</b>	15	10	10	11	15	10	71
<b>Rock Creek CSO Separation</b>	15	10	15	11	15	10	76

**DRAFT FY 2009 -2010  
DISTRICT OF COLUMBIA  
CONSTRUCTION GRANTS PROJECT PRIORITY LIST  
PROJECT RANKING**

Project Description	Category I		Category II	Category III	Category IV	Category V	Total
	A	B					
<b><u>Planning Portion:</u></b>							
<b>New Digestion Facilities</b>	16	10	15	16	15	10	82
<b>Nitrogen Removal Facilities</b>	16	10	25	16	15	10	92
<b>Blue Plains Tunnel</b>	20	10	25	16	15	10	96
<b>Secondary Aeration System Improvements</b>	15	10	10	11	15	10	71
<b>Enhanced Clarification Facilities</b>	16	10	25	16	15	10	92
<b>Centrate Treatment Facilities</b>	16	10	25	16	15	10	92

## **APPENDIX I: RATING SYSTEM**

### Rating System and Criteria for Evaluation.

The District of Columbia's project priority system utilizes a five category numerical rating system. These incorporate some of the above criteria. Various factors germane to each category are identified and numerical values attributed to represent its relative importance, which in turn constitute the numerical values assigned to each category, reflecting its relevance to the District's waters.

Category I. Water pollution control needs and planning integration: Impairment of an existing and designated beneficial use by municipal discharge and WQM plan conformance.

The numerical rating for this category will be determined by the impact of the project on the water quality required for the designated water use by pollutants from existing municipal discharges. In awarding the points, the project's compliance with and role in the implementation and advancement of District of Columbia's and Regional water quality management plans, will also be taken into consideration.

#### **Maximum Score: 30**

A. Impact on water use - 20 points maximum.

In order to assess the relative severity of pollution on an existing use in a surface water segment only those parameters which are indicators of pollution from sewage effluent are considered. These include:

a. dissolved oxygen

- b. coliform bacteria
- c. suspended solids
- d. pH.
- e. Toxics.

Type of water use	Degree of Impact on Water Quality		
	Slight	Moderate	Significant
Class A Primary Water Contact recreation	8	18	20
Class B Secondary water Contact Recreation	3	7	15
Class C Propagation of Aquatic and Wildlife	5	10	19
Class D Public Water Supply	4	6	9
Class E Industrial	0	0	2
Class F Navigation	0	0	1

B. Planning Integration - 10 points maximum.

Project is in accordance with a certified or approved WQM plan - 10 points;

Project is in accordance with a generally accepted plan not yet formally certified or approved -5 points.

Category II. Elimination of the public health problem caused by the municipal discharge.

The numerical rating is based on the severity and urgency of the public health problem to be eliminated by the project.

Maximum Scores 25

- 25 - Eliminates or reduces a number of discharges of untreated sewage;
- 20 - Eliminates a discharge of untreated sewage;
- 15 - Reduces a discharge of untreated sewage;
- 10 - Provides additional pathogen removal.

Category III. Restoration of a designated existing water use (maintenance) or a future use (goal).

In this category, the numerical rating is determined by the impact of the project on restoring the quality of the water to the quality defined by Maintenance or to a higher quality defined by Restoration in the classification of use in the Water Quality Standards of the District of Columbia.

Maximum points are given to those projects which by themselves will restore the use. Those projects which will result in improvements but will not restore the use unless other construction grant projects are implemented, are awarded fewer points. Where nonpoint source controls will need to be implemented in

conjunction with the project, even fewer points are awarded. Minimum points are awarded to those projects which will not restore a use unless other construction grant projects and nonpoint source controls are implemented.

**Maximum Score: 20**

The impact may be determined by the following system based on the class of water use restoration or maintenance :

	Class	project alone	project & grant project	project & NPS control	project & Other grant & NPS control
Restoration	A	20	18	13	10
Maintenance	B	15	11	9	6
	C	18	14	12	7
	D	8	5	4	2
	E	3	0	0	0
	F	1	0	0	0

Category IV. Completion of existing project.

Numerical rating will be determined by the impact of the project on the

completion of existing project for which a grant(s) for a construction phase or segment was previously awarded.

**Maximum Score: 15**

The following guideline may be used to determine the rating :

15 - phase or segment of an initial project already under construction.

Points are to be prorated according to the fraction of the total wastewater flow to the POTW affected.

Category V. Population.

The numerical rating will be based on the distribution of water quality benefits expected to occur from the project.

**Maximum Score: 10**

- 10 - project will result in significant water quality benefits to the District of Columbia population and downstream jurisdictions;
- 6 - Primary benefits are to the District of Columbia population;
- 4 - Primary benefits are to the downstream population.

## **APPENDIX II: CATEGORY OF NEEDS**

### **EPA CATEGORY OF NEEDS**

EPA conducts Clean Watersheds Needs Surveys to describe and report the needs for water pollution control projects eligible for funding under the Clean Water State Revolving Fund. A need is a water quality or public health problem and an associated abatement cost eligible for funding. The CWNS 2000 used nine categories to describe and report the needs. The applicable categories for this PPL are as follows:

Category I: Secondary Wastewater Treatment

Category II: Advanced Wastewater Treatment

Category IIIb: Replacement/Rehabilitation

Category V: Combined Sewer Overflow Corrections

**FY 2009-2010 DISTRICT OF COLUMBIA  
CONSTRUCTION GRANTS PROJECT PRIORITY LIST**

**APPENDIX II: CATEGORY OF NEEDS**

<u>Project Number</u>	<u>Name of Project</u>	<u>EPA Category of Needs</u>
	<b><u>Fundable Portion</u></b>	
C-110027	Nitrification Facility Upgrade Phase 3	II
C-110027	Sewer Lateral Rehab and Main Lining	IIIb
C-110027	Watts Branch Sewer Rehabilitation	IIIb
C-110027	Sewer Rehabilitation -10 <sup>th</sup> -12 <sup>th</sup> , vic, Penn. Ave.	IIIb
C-110027	Pennsylvania Ave Storm Sewer Rehabilitation	IIIb
C-110027	Outfall Sewer Rehabilitation	IIIb
C-110027	Additional Tide Gate Improvements	IIIb
C-110027	Laboratory Upgrades	II
C-110027	Low Area Trunk Sewer – Inspection/Cleaning	IIIb
C-110027	Area Substation No. 6	I
C-110027	Sewer Inspection and Cleaning	IIIb
C-110027	Sewer Rehabilitation and Lining	IIIb
C-110027	Biological Sludge Thickening	I
C-110027	Rock Creek CSO Separation	V

**FY 2009-2010 DISTRICT OF COLUMBIA  
CONSTRUCTION GRANTS PROJECT PRIORITY LIST**

**APPENDIX II: CATEGORY OF NEEDS**

<u>Project Number</u>	<u>Name of Project</u>	<u>EPA Category of Needs</u>
-----------------------	------------------------	------------------------------

**Planning Portion**

C-110027	New Digestion Facilities	I
C-110027	Nitrogen Removal Facilities	II
C-110027	Blue Plains Tunnel	II
C-110027	Secondary Aeration System Improvements	I
C-110027	Enhanced Clarification Facilities	II
C-110027	Centrate Treatment Facilities	II

**FY 2009-2010 DISTRICT OF COLUMBIA  
CONSTRUCTION GRANTS PROJECT PRIORITY LIST**

**APPENDIX III: FUNDING STATUS DEFINITION**

A- Fundable Project - carryover. Prospective project on the State Project Priority List (PPL) which was carried over from the previous year's Project Priority List and is anticipated to receive funding during the current year. The project may, but need not be submitted to public hearing, provided such project was submitted to public hearing for the previous year.

B- Fundable Project - new. Prospective project on the State's PPL which is anticipated to receive funding during the current year. This must be submitted to public hearing pursuant to 40 CFR 25.

C- Fundable Project - contingency. Prospective project on the State's PPL which may receive funding through use of bypass provisions or through additional funds becoming available. The project must have been submitted to public hearing pursuant to 40 CFR 25 and be anticipated to be ready to proceed during the funding year.

D- Planning Project. Prospective project on the planning (beyond fundable) portion of the State's PPL. The project may, but need not, be submitted to public hearing.

S- Other projects - step 1 and 2 reserve. Project funded from reserve for step 1 and 2 projects.