

**A. Identification and Coding Information**

1. Project Number	Agency Number	Update Code
083800	S-22.10	Change

2. Date: October 1, 2012

7. Pre PDF Pg.No.: 8. Req. Adeq. Pub. Fac.

Revised: May 9, 2013

3. Project Name: Blue Plains WWTP: Enhanced Nutrient Removal

5. Agency: **WSSC**

4. Program: **Sanitation** 6. Planning Area: Bi-County

**B. Expenditure Schedule (000's)**

	(8) Total	(9) Thru FY '12	(10) Estimate FY '13	(11) Total 6 Years	(12) Year 1 FY '14	(13) Year 2 FY '15	(14) Year 3 FY '16	(15) Year 4 FY '17	(16) Year 5 FY '18	(17) Year 6 FY '19	(18) Beyond 6 Years
Cost Elements											
Planning, Design & Supervision	103,294	46,850	18,342	35,715	12,038	9,260	5,588	4,244	3,537	1,048	2,387
Land											
Site Improvements & Utilities											
Construction	297,648	43,005	64,497	187,803	48,324	51,079	39,717	35,022	13,650	11	2,343
Other	3,111		828	2,236	604	603	453	393	172	11	47
<b>Total</b>	<b>404,053</b>	<b>89,855</b>	<b>83,667</b>	<b>225,754</b>	<b>60,966</b>	<b>60,942</b>	<b>45,758</b>	<b>39,659</b>	<b>17,359</b>	<b>1,070</b>	<b>4,777</b>

**C. Funding Schedule (000's)**

WSSC Bonds	180,016	10,846	30,263	135,051	22,089	26,067	38,199	33,395	14,574	727	3,856
State Aid	213,580	78,379	51,646	82,858	37,594	33,361	5,340	4,324	1,938	301	697
City of Rockville	10,457	630	1,758	7,845	1,283	1,514	2,219	1,940	847	42	224

**D. Description & Justification**

**DESCRIPTION**

This project provides funding for WSSC's share of the Blue Plains Enhanced Nutrient Removal projects required to achieve nutrient removal to levels below BNR levels to meet the Chesapeake Bay water quality targets determined in the 2005 Tributary Strategy process. Sub-projects include: Nitrogen Removal Facilities, Centrate Treatment, Enhanced Clarification Facility, and Blue Plains Tunnel and Dewatering Pumping Station.

Service Area Bi-County Area

Capacity 370 MGD

**JUSTIFICATION**

**Plans & Studies**

Chesapeake Bay Program Tributary Strategies Process (2005); Blue Plains Strategic Process Study, Metcalf & Eddy (2005); Selection of the Enhanced Nitrogen Removal Process Alternative for the Blue Plains Advanced Wastewater Treatment Facility, Metcalf & Eddy (2009); DCWASA Approved FY 2013 Capital Improvement Program, and the Blue Plains Intermunicipal Agreement of 2012.

**Specific Data**

The funding schedule reflects the final cost sharing agreement with the Maryland Department of the Environment.

**Cost Change**

Total project cost increase is based on revised construction cost estimates from DCWASA. Projects extending beyond those supported by State Aid include rehabilitation and upgrades to older projects.

**STATUS** Not Applicable (WSSC Contract Nos. CB4168L05 , CB4168Q05).

**OTHER**

The project scope has remained the same. Project costs are derived from the DCWASA Capital & Operating Budget 10-year forecast and latest project management data, and reflect DCWASA's current expenditure estimates and schedules.

**COORDINATION**

Maryland Department of the Environment, U.S. Environmental Protection Agency, Region III and District of Columbia Water & Sewer Authority (responsible for design and construction).

**NOTE** This project supports 100% Environmental Regulation.

**E. Annual Operating Budget Impact (000's)** FY of Impact

Program Costs	Staff .....	.....
	Other .....	.....
Facility Costs	Maintenance .....	.....
	Debt Service .....	14917 .....
<b>Total Costs</b> .....		14917 .....
Impact on Water or Sewer Rate.....		32¢ .....

**F. Approval and Expenditure Data (000's)**

Date First in Capital Program	FY 08
Date First Approved	FY 07
Initial Cost Estimate	648
Cost Estimate Last FY	395,287
Present Cost Estimate	404,053
Approved Request, Last FY	73,377
Total Expenditures & Encumbrances	89,855
Approval Request FY 14	60,966
Supplemental Approval Request Current FY (13)	

**G. Status Information**

Land Status: Not applicable  
 % Project Completion: On-Going  
 Est. Completion Date: On-Going

**H. Map Map Reference Code:**

**MAP NOT AVAILABLE**