

**A. Identification and Coding Information**

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

2. Date: October 1, 2009    Revised: January 20, 2010

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

4. Program: Sanitation    6. Planning Area: BI-County

5. Agency: **WSSC**

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

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

Program Costs	Staff .....	....
	Other .....	....
Facility Costs	Maintenance .....	....
	Debt Service .....	....
Total Costs.....		....
Impact on Water or Sewer Rate.....		....

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

Cost Elements	(8) Total	(9) Thru FY '09	(10) Estimate FY '10	(11) Total 6 Years	(12) Year 1 FY '11	(13) Year 2 FY '12	(14) Year 3 FY '13	(15) Year 4 FY '14	(16) Year 5 FY '15	(17) Year 6 FY '16	(18) Beyond 6 Years
Planning, Design & Supervision	63,573	1,571	7,843	48,055	7,057	9,366	11,765	9,161	6,960	3,746	6,104
Land											
Site Improvements & Utilities											
Construction	364,816		2,947	297,572	27,579	70,384	82,577	36,947	32,915	47,170	64,297
Other	4,284	16	108	3,456	346	798	943	461	399	509	704
<b>Total</b>	<b>432,673</b>	<b>1,587</b>	<b>10,898</b>	<b>349,083</b>	<b>34,982</b>	<b>80,548</b>	<b>95,285</b>	<b>46,569</b>	<b>40,274</b>	<b>51,425</b>	<b>71,105</b>

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

Date First in Capital Program	FY 08
Date First Approved	FY 07
Initial Cost Estimate	426,753
Cost Estimate Last FY	290,352
Present Cost Estimate	432,673
Approved Request, Last FY	8,413
Total Expenditures & Encumbrances	1,587
Approval Request FY 11	34,982
Supplemental Approval Request Current FY (10)	

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

State Aid	432,673	1,587	10,898	349,083	34,982	80,548	95,285	46,569	40,274	51,425	71,105
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**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 Proposed FY 2009 - FY 2018 Capital Improvement Program information (October, 2009).

**Specific Data**  
The costs for this program are anticipated to be covered by the Bay Restoration Fund.

**Cost Change**  
The cost increase is due to revised estimates from DCWASA and a higher negotiated WSSC cost share.

**STATUS** Various Stages of Planning & Design (WSSC Contract Nos. CB4168L05 , CB4168Q05).

**OTHER**  
The project scope has remained the same. Expenditures and schedule shown in Block B are planning level estimates and may change based upon site conditions and design constraints.

**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.

**G. Status Information**

Land Status: Not Applicable

% Project Completion: P-65%

Est. Completion Date: FY 2019

**H. Map    Map Reference Code:**

**MAP NOT AVAILABLE**