

A. Identification and Coding Information

1. Project Number	Agency Number	Update Code
113806	W-73.20	Change

2. Date: October 1, 2011

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

Revised:

3. Project Name: Potomac WFP Stage 2 Disinfection Byproducts Rule Implementation

5. Agency: **WSSC**

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

B. Expenditure Schedule (000's)

Cost Elements	(8) Total	(9) Thru FY '11	(10) Estimate FY '12	(11) Total 6 Years	(12) Year 1 FY '13	(13) Year 2 FY '14	(14) Year 3 FY '15	(15) Year 4 FY '16	(16) Year 5 FY '17	(17) Year 6 FY '18	(18) Beyond 6 Years
Planning, Design & Supervision	1,899	1,223	55	621	467	154					
Land											
Site Improvements & Utilities											
Construction	6,493	72	500	5,921	5,250	671					
Other	1,065		83	982	858	124					
Total	9,457	1,295	638	7,524	6,575	949					

C. Funding Schedule (000's)

WSSC Bonds	9,457	1,295	638	7,524	6,575	949					
------------	-------	-------	-----	-------	-------	-----	--	--	--	--	--

D. Description & Justification

DESCRIPTION

This project provides for the design, upgrade and expansion of the existing sulfuric acid system and the design and construction of new ferric chloride and caustic soda feed systems and related facilities capable of reliably providing low pH coagulation at the plant design capacity of 285 MGD in order to meet the EPA Stage 2 Disinfection Byproducts Rule.

22-109

Service Area Bi-County Area

JUSTIFICATION

Plans & Studies

Stage 2 Disinfection Byproducts Rule Compliance Strategy Studies (November 2008).

Specific Data

The sulfuric acid system upgrades and new ferric chloride feed system are necessary to facilitate the enhanced coagulation strategy to comply with the EPA Stage 2 Disinfection Byproducts Rule on or before April 2012. The caustic soda feed system will supplement raw water alkalinity when ferric chloride is fed and may also be used to adjust finished water pH.

Cost Change

Project costs were increased based upon final design estimates.

STATUS Final Design Complete (WSSC Contract Nos. BF5024A09 , BF5027A09).

OTHER

The project scope has remained the same. Expenditure and schedule projections shown above are design level estimates and may change based on site-specific conditions and actual bid.

COORDINATION

Montgomery County Department of Environmental Protection, Maryland Department of the Environment, Prince George's County Department of Environmental Resources, U.S. Environmental Protection Agency, Region III and WSSC Project W-73.16, Potomac WFP Improvements.

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	694	15
Total Costs.....		694	15
Impact on Water or Sewer Rate.....		1¢	15

F. Approval and Expenditure Data (000's)

Date First in Capital Program	<input type="text" value="FY 11"/>
Date First Approved	<input type="text" value="FY 11"/>
Initial Cost Estimate	<input type="text" value="7,959"/>
Cost Estimate Last FY	<input type="text" value="8,993"/>
Present Cost Estimate	<input type="text" value="9,457"/>
Approved Request, Last FY	<input type="text" value="4,217"/>
Total Expenditures & Encumbrances	<input type="text" value="1,295"/>
Approval Request FY 13	<input type="text" value="6,575"/>
Supplemental Approval Request Current FY (12)	<input type="text"/>

G. Status Information

Land Status: Public/Agency owned land
 % Project Completion: D-100%
 Est. Completion Date: August 2013

H. Map Map Reference Code:

MAP NOT AVAILABLE