

A. Identification and Coding Information			2. Date: October 1, 2013	7. Pre PDF Pg.No.: 8. Req. Adeq. Pub. Fac.
1. Project Number	Agency Number	Update Code	Revised:	
143803	W-73.22	Change		
3. Project Name: Potomac WFP Pre-Filter Chlorination & Air Scour Improvements			5. Agency: WSSC	
4. Program: Sanitation			6. Planning Area:	

B. Expenditure Schedule (000's)											
Cost Elements	(8) Total	(9) Thru FY '13	(10) Estimate FY '14	(11) Total 6 Years	(12) Year 1 FY '15	(13) Year 2 FY '16	(14) Year 3 FY '17	(15) Year 4 FY '18	(16) Year 5 FY '19	(17) Year 6 FY '20	(18) Beyond 6 Years
Planning, Design & Supervision	1,907	57	444	1,406	667	389	214	136			
Land											
Site Improvements & Utilities											
Construction	5,000			5,000			3,056	1,944			
Other	1,028		67	961	100	58	491	312			
Total	7,935	57	511	7,367	767	447	3,761	2,392			

C. Funding Schedule (000's)											
WSSC Bonds	7,935	57	511	7,367	767	447	3,761	2,392			

D. Description & Justification

DESCRIPTION

This project provides for the planning, design and construction of a pre-filter chlorination system for the Potomac Water Filtration Plant. It also includes evaluation of retrofitting an air scour system into the existing plant filters, and the planning, design and construction of an appropriate system if the evaluation deems it favorable for implementation.

JUSTIFICATION

Plans & Studies

Engineering Standard - I. M. S. Cap Monitoring Operation, and Maintenance Instructions, ITT Water & Wastewater, Leopold, Inc., (April 2009). Memo from John Geibel, P.E., Sr. Product Engineer @ ITT Water & Wastewater, Leopold, Inc. - Potomac Filtration Plant Visit April 2009 - to Joseph Johnson, Potomac Plant Superintendent, (May 2010);

Specific Data

The Potomac Water Filtration Plant has experienced six separate incidents of catastrophic filter underdrain failures since October 2006. Subsequent investigation conducted by WSSC and ITT Leopold, suppliers of the failed underdrain systems, revealed that the ITT Leopold underdrain system with an Integral Media Support (IMS) cap is not compatible with the biologically active filters at the Potomac WFP.

Cost Change

Total project cost has increased based on revised construction cost estimates.

STATUS Preliminary Design (WSSC Contract No. BF5339A12,).

OTHER

The project scope has remained the same. Expenditure and schedule projections shown in Block B above are planning level estimates, and may change based on site-specific conditions and design constraints. The project schedule has been delayed by eleven months due to a new A/E selection process.

COORDINATION

Montgomery County Government and Prince George's County Government.

NOTE This project supports 100% System Improvement.

E. Annual Operating Budget Impact (000's)				FY of Impact
Program Costs	Staff		
	Other		
Facility Costs	Maintenance		
	Debt Service	546	19
Total Costs.....		546	19
Impact on Water or Sewer Rate.....		1¢	19

F. Approval and Expenditure Data (000's)

Date First in Capital Program	FY 14
Date First Approved	FY 14
Initial Cost Estimate	5,602
Cost Estimate Last FY	5,602
Present Cost Estimate	7,935
Approved Request, Last FY	759
Total Expenditures & Encumbrances	57
Approval Request FY 15	767
Supplemental Approval Request Current FY (14)	

G. Status Information

Land Status: Not Applicable
 % Project Completion: D-0%
 Est. Completion Date: February 2018

H. Map Map Reference Code:

MAP NOT APPLICABLE