

A. Identification and Coding Information

1. Project Number

Agency Number

Update Code

113806

W-73.20

Change

2. Date:

October 1, 2013

7. Pre PDF Pg.No.:

8. Req. Adeq. Pub. Fac.

Revised:

3. Project Name:

Potomac WFP Stage 2 Disinfection Byproducts Rule Implementation

4. Program:

Sanitation

5. Agency:

WSSC

6. Planning Area:

Bi-County

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	4,152	2,721	1,411	20	20						
Land											
Site Improvements & Utilities											
Construction	5,745	1,350	4,200	195	195						
Other	583		561	22	22						
Total	10,480	4,071	6,172	237	237						

C. Funding Schedule (000's)											
WSSC Bonds	10,480	4,071	6,172	237	237						

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.

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. 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 due to actual design field services during construction contract amount and inflation.

STATUS

Under Construction (WSSC Contract Nos. BF5024A09 , BF5027A09).

OTHER

The project scope has remained the same. Expenditure and schedule projections shown above are based upon 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	682	15
Total Costs.....		682	15
Impact on Water or Sewer Rate.....		1¢	15

F. Approval and Expenditure Data (000's)

Date First in Capital Program

FY 11

Date First Approved

FY 11

Initial Cost Estimate

7,959

Cost Estimate Last FY

10,280

Present Cost Estimate

10,480

Approved Request, Last FY

3,322

Total Expenditures & Encumbrances

4,071

Approval Request FY 15

237

Supplemental Approval Request
Current FY (14)

G. Status Information

Land Status:

Public/Agency owned land

% Project Completion:

C-30%

Est. Completion Date:

July 2014

H. Map

Map Reference Code:

MAP NOT AVAILABLE