

**A. Identification and Coding Information**

1. Project Number	Agency Number	Update Code
083802	S-53.22	Change

2. Date: October 1, 2011

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

Revised:

3. Project Name: Seneca WWTP Expansion, Part 2

5. Agency: **WSSC**

4. Program: **Sanitation** 6. Planning Area: Lower Seneca P.A. 18

**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	6,060	2,905	631	2,524	1,262	1,104	158				
Land											
Site Improvements & Utilities											
Construction	23,416		7,025	16,391	9,366	4,683	2,342				
Other	2,658		766	1,892	1,063	579	250				
<b>Total</b>	<b>32,134</b>	<b>2,905</b>	<b>8,422</b>	<b>20,807</b>	<b>11,691</b>	<b>6,366</b>	<b>2,750</b>				

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

SDC	32,134	2,905	8,422	20,807	11,691	6,366	2,750				
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**D. Description & Justification**

**DESCRIPTION**

22-28 This project provides for the planning, design, and construction of improvements at the Seneca WWTP necessary to meet the projected growth in this service area while adhering to the requirements of the Maryland Department of the Environment (MDE) Enhanced Nutrient Removal (ENR) Program at 26 MGD (an increase from 20 MGD). The project will provide an additional aeration basin, an additional 150-foot clarifier, expansion of the filter gallery to include 4 new sand filters designed for phosphorous removal down to the permit goal of 0.18 mg/l at the maximum month flow of 33 MGD (design flow is 26 MGD), and biosolids handling system improvements. The biosolids handling improvements consist of an additional centrifuge and biosolids conveyance modifications which will provide system redundancy. The electrical distribution system will also be evaluated.

**Service Area** Seneca Creek Drainage Basin

**JUSTIFICATION**

**Plans & Studies**

ENR Alternatives for the Seneca Wastewater Treatment Plant, Gannett Fleming (June 2005); Maryland Department of the Environment, Feasibility Study Approval Letter (July 27, 2005); WSSC Preliminary Engineering Report (September 2008); Design Criteria Report (November 2008).

**Specific Data**

The planned improvements at the Seneca WWTP will adhere to the requirements of MDE's ENR Program at 26 MGD in accordance with the reduction goals under the Chesapeake Bay 2000 Agreement. The design provides for phosphorous removal down to the permit goal of 0.18 mg/l at the maximum month flow of 33 MGD (design flow is 26 MGD).

**Cost Change**

The cost estimate was revised downward to reflect the current construction cost estimate.

**STATUS** Under Construction (WSSC Contract No. CD4260B05, ).

**OTHER**

The project scope has remained the same. The expenditures and schedule projections shown in Block B are based upon bids received.

**COORDINATION**

Montgomery County Government, Montgomery County Department of Environmental Protection, Maryland Department of the Environment and WSSC Project S-53.21, Seneca WWTP Enhanced Nutrient Removal.

**NOTE** This project supports 100% Growth.

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

		FY of Impact
Program Costs	Staff .....	....
	Other .....	....
Facility Costs	Maintenance .....	....
	Debt Service .....	1737 .... 00
<b>Total Costs</b> .....		1737 .... 00
Impact on Water or Sewer Rate.....	4¢ .....	00

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

Date First in Capital Program	FY 08
Date First Approved	FY 07
Initial Cost Estimate	16,478
Cost Estimate Last FY	39,321
Present Cost Estimate	32,134
Approved Request, Last FY	11,695
Total Expenditures & Encumbrances	2,905
Approval Request FY 13	11,691
Supplemental Approval Request Current FY (12)	

**G. Status Information**

Land Status: Public/Agency owned land  
 % Project Completion: C-0%  
 Est. Completion Date: January 2015

**H. Map Map Reference Code:**

**MAP NOT AVAILABLE**