

Sewer Operation and Maintenance

401-02-Wastewater Treatment

Fund/Agency: 401/23	Sewer Operation and Maintenance	
Personnel Services	\$9,165,961	<p>CAPS Percentage of Agency Total</p> <p>A pie chart titled 'CAPS Percentage of Agency Total' is located on the right side of the table. It is divided into two segments: a blue segment representing 'Wastewater Treatment' at 28.7% and a yellow segment representing 'All Other Agency CAPS' at 71.3%. A legend below the chart identifies the colors: a blue square for 'Wastewater Treatment' and a yellow square for 'All Other Agency CAPS'.</p>
Operating Expenses	\$8,195,208	
Recovered Costs	\$0	
Capital Equipment	\$185,000	
Total CAPS Cost:	\$17,546,169	
Federal Revenue	\$0	
State Revenue	\$0	
User Fee Revenue	\$0	
Other Revenue	\$0	
Total Revenue:	\$0	
Net CAPS Cost:	\$17,546,169	
Positions/SYE involved in the delivery of this CAPS	165/165	

► CAPS Summary

Wastewater Treatment is responsible for operating and maintaining the County's wastewater treatment facility, the Noman M. Cole, Jr. Pollution Control Plant (NCPCP). The NCPCP is currently undergoing expansion of capacity from 54 mgd to 67 mgd. This expansion includes improvements for odor control and nitrogen removal to meet requirements of the Chesapeake Bay agreement.

► Method of Service Provision

The NCPCP is operated 24 hours a day, 365 days a year.

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► Performance/Workload Related Data

Title	FY 1998 Actual	FY 1999 Actual	FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate
Million gallons of wastewater treated per day	45.1	41.5	42.8	46.1	46.3
Cost per million gallons treated	\$897	\$969	\$994	\$1,140	\$1,140
Percent of odor-free days	92%	93%	92%	95%	96%
Odor complaints	32	25	30	20	15

► Mandate Information

This CAPS is Federally or State mandated. The percentage of this CAPS' resources utilized to satisfy the mandate is 76 - 100%. The specific Federal or State code and a brief description of the code follows:

Federal

- P.L. 92-500
- USCS Title 33, Clean Water Act - Mandates the adoption of water quality standards and it's required review every three years.
- EPA Regulations
- Federal Water Quality Standards 40 CFR 131 - specifies minimum requirements for water quality standards.

State

- Code of Virginia Title 62.1 Chapter 3.1, WATERS OF THE STATE, PORTS AND HARBORS, State Water Control Law - requires monitoring and reporting of all wastewater discharges limits to ensure compliance with water quality standards.
- Code of Virginia Title 32.1-164 Environmental Health Services - requires engineered design for new or upgraded facility be consistent with public health and water quality standards for wastewater treatment and collection systems.
- State Water Control Board Regulations VR680-14-01 through 03; requires the permitting and monitoring of operation of all wastewater facilities within the State.
- Department Environmental Quality Regulation VR355-17-02 - specifies mandated requirements for water quality standards.

► User Fee Information

See Fund 400, Sewer Revenues for User Fee Information.