Bacteria TMDL Implementation Progress Update – FY2025

SOURCE	STRATEGY	HOW	FISCAL ANALYSIS	MEASURE	TIMELINE	MILESTONE	STATUS
What are the sources of bacteria pollution?	*How to reduce/control pollution from source*	*How is strategy being implemented?*	*What is the expected resource need? Funding source? Already budgeted for?*	*How is successful implementation quantitatively or qualitatively measured?*	*When do you expect completion?*	*Intermediate goals expected to know that progress is being made?*	*Summary and date*
Failing Septic Systems	Retirement/Conversion of septic systems	Continued implementation of the County's Septic-to-Sewer Connection Program	Capital Budget. Budgeted for in FY 2026.	Number of private septic systems retired/converted to public sewer per year	Ongoing	Conversion of 400 private septic systems to public sewer connections between 2017 and 2025 (*MD Phase III WIP Local Area Sector Goals*)	In FY25, 12 septic systems were retired/converted throughout the County, 11 of which were located in Bacteria TMDL watersheds. A total of 223 septic-to-sewer connections have been completed between FY2017 and FY2025.
Sanitary Sewer Overflows (SSOs)	Abatement of SSOs	Upgrade and repair of sanitary sewer infrastructure	Capital Budget. Budgeted for in FY 2026.	Number of Sewer Pump Station (SPS) Upgrade projects completed per year Number of SSOs per year. Amount (gallons) of sewage spilled per year.	Ongoing		In FY25, 0 SPS upgrade projects were completed within bacteria TMDL watersheds, and 0 new projects were added within bacteria TMDL watersheds (see *Table 1* below). In FY25, 46 SSOs were reported throughout the County, with 25 SSOs reported within bacteria TMDL watersheds (a 4% decrease and 0% change from FY24, respectively). In FY25 34,240 total gallons of sewage were spilled within bacteria TMDL watersheds (a 35% increase from FY24).
Illicit Discharges	Find and correct illegal discharges to stormdrain system from illicit connections and upland pollution sources.	Continued implementation of the County's Illicit Discharge Detection and Elimination (IDDE) Program	DPW BWPR Operating Budget. Budgeted for in FY 2026.	Number of outfalls screened for dry-weather discharge per year (150 minimum).	Ongoing		In FY25, 163 outfalls were screened for dry weather discharge under the County's IDDE program; two (2) confirmed illicit discharges were found.

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Impervious Surfaces (stormwater runoff)	Reduce and/or treat stormwater runoff from impervious surfaces	Continued implementation of new stormwater management practices and retrofitting of pre-2002 stormwater management facilities.	Capital Budget. Budgeted for in FY 2026.		Ongoing		In FY25, three (3) upland BMP projects were completed in bacteria TMDL watersheds. Twelve (12) projects within bacteria TMDL watersheds are currently in the design phase. A total of 172 upland BMP projects have been completed in bacteria TMDL watersheds between 2012 and 2025. *For a complete list of projects, please refer to Appendix D of the *Anne Arundel Countywide TMDL Stormwater Implementation Plan -FY 25 Annual Progress Report*
Pet Waste	Reduce the amount of pet waste	Continued implementation and expansion of pet waste outreach program	DPW BWPR Operating Budget. Budgeted for in FY 2026.	Number of pet waste stations installed by County and partner organizations per year. Number of outreach events attended.	Ongoing		The County continues to provide pet waste stations to interested communities. In FY25, nine (9) pet waste stations were provided to residential neighborhoods throughout the County – all nine stations were installed within bacteria TMDL watersheds. In FY25, the County presented informational/educational material related to the pet waste outreach program at nine (9) outreach events.
Goose Waste	Reduce amount of fecal pollution in stormwater pond effluent from Canada Geese at County-maintained stormwater facilities.	Deter goose congregation and filter overland flow at County stormwater facilities by implementing native no-mow vegetative buffers around pond.	DPW BWPR and SIP Operating Budgets. Budgeted for in FY 2026.	Number of ponds in which no-mow buffers have been implemented per year.	Ongoing		No-mow buffers have been implemented at eight (8) County-maintained stormwater ponds.
Street Sweeping	Reduce bacteria input to stormwater system	Routinely conduct street sweeping of curbed streets, focusing on routes in impaired watersheds, routes that lack engineered stormwater quality controls, and areas considered to be pollutant hotspots	DPW BWPR Operating Budget. Budgeted for in FY 2026.	Curb-miles swept per year.	Ongoing		In FY25, 6,685 curb-miles were swept countywide.

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Table 1. Discrete Sewage Pumping Station Upgrade Projects (Active or Completed in FY25) in Bacteria TMDL Watersheds.

Project	Project Title	Current Status	Description	TMDL Watershed	Qty. of Pump Stations Being Upgraded	Total Budgeted Costs[1]	Expended and/or Encumbered as of July 2025
S799200	Mayo Collection Sys Upgrade	Active	Expansion of Mayo Wastewater Collection and Conveyance System to accommodate planned growth within Mayo Sewer service area	Rhode River/Cadle Creek	18	$34,540,180	$10,056,054
S806217	SPS Fac Gen Replacement	Active	Design of replacement and installation of generators at SPS throughout the County (Design 2 contract)	Countywide	-	$34,116,094[2]	$738,405
S806222	SPS Gen Replace CMI Service	Active	Provision of CM/I services for the replacement of generators and fuel tanks at sewage pumping stations throughout Anne Arundel County.	Countywide	-	$34,116,094[2]	$30,458
S806223	SPS Fac Gen Replacement	Active	Replacement and installation of generators and fuel tanks at six (6) sewage pumping station	Bear Neck Creek, Duval Creek, South River Mainstem	6	$34,116,094[2]	$1,682,128
S806700	Cinder Cove FM Rehab	Active	Construction of 10,000 linear feet of 30” force main	Patapsco River / Furnace Creek	-	$14,508,000	$10,264,603
S808100	CATTAIL CREEK FM REPLACEMENT	Active	Construction of the replacement of 17,000 lf of 24" and greater force main (FM) beginning at the Cattail Creek SPS and ending at a gravity manhole in College Parkway. This project will replace aging, at-risk infrastructure to increase the reliability of the conveyance system and reduce risks for spills resulting from infrastructure failures	Magothy River Mainstem	1	$38,820,000	$31,561, 872

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Project	Project Title	Current Status	Description	TMDL Watershed	Qty. of Pump Stations Being Upgraded	Total Budgeted Costs[2]	Expended and/or Encumbered as of July 2025
S808200	GRINDER PUMP REPL/UPGRD PRGM	Active	Multi-year sewer infrastructure investigation, rehabilitation and replacement program to ensure the adequacy of the County's Wastewater Collection System	Countywide	-	$6,990,000	$3,027,456
X7388000	Sewer Main Replace/Recon	Active	Maintenance and replacement of sewer main lines countywide	Countywide	-	$196,064,106	$139,968,038
				Total	**____**	**$325,038,380**	**$197,329,014**

[1] Total Budgeted Cost derived from FY2025 Anne Arundel County Approved Capital Budget and Program and includes current and prior appropriation and approved program totals through FY2030
[2] Total Budgeted Cost for this project includes completed and active SPS upgrades countywide; however, the total budget is not broken down at the level of individual projects. Some individual projects may be outside of bacteria TMDL watersheds. Therefore, only the total project cost is listed.
[3]Total budgeted costs for all projects includes only one count of the Countywide SPS Fac Gen upgrades active and completed with a total budget of $34,116,094.

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