



8.0 PROGRAM FUNDING

The NPDES program has consistently maintained adequate funding to support the requirements of the program. This section outlines approved budgets for 2007, which operated under Fiscal Year (FY) 2008 and FY 2007 budgets, and information on prior years (FY 2006 & FY 2005) for comparison. The section also describes requests for FY 2009. Both operating and capital improvement project (CIP) budgets are discussed.

The Operating Budget requires annual requests, with approval granted from year-to-year. Funds from the Operating Budget generally do not carry over from year-to-year. Like the Operating Budget, the Capital Improvement Project (CIP) Budget requires an annual submission, with approval granted from year-to-year. Unlike Operating Budgets, submissions include projections for the next five out-years. Also, money not spent in the CIP carries over into following years, but is still accounted for in the year it was approved.

8.1 PROPOSED FY 2009 OPERATING BUDGET

The FY 2009 budget year will begin July 1, 2008. The budget includes a request for \$172,572 in personnel expenses and \$480,897 in operating expenses for a total of \$653,469. This request is an increase of \$85,146 over the previous year.

The FY 2009 budget year contains a number of unknowns because of permit renewal issues. Regulatory authorities may add new permit requirements that increase the liability for meeting Total Maximum Daily Load (TMDL) limits. New TMDLs are currently under development for the entire Monocacy Basin, which would regulate pollution in about two-thirds of the County. These limits cannot be met solely through voluntary measures currently employed by the permit compliance program because they may require the County to control pollutant loads from privately owned land and prevent pollution from new development. New permit requirements are projected to increase the level of coordination required by the Watershed Management Section and other divisions. Additional requirements for Retrofit/Restoration projects to restore watersheds and reduce untreated impervious areas are projected to strain existing resources but the exact impacts will not be known until the permit renewal process is complete. For this reason, the program request for FY 2009 reflects roughly the same resources as FY 2008, described in the section below, plus County-wide escalations, an increase from CIP-required monitoring costs, and a 15% increase to consultant funds.

In FY 2009, the County will continue to use its operating funds to develop GIS layers, conduct required analyses, prepare required reports, and monitor stream restoration and stormwater management facility retrofit projects in an effort to maximize water quality benefits using efforts that are definable and the effects of which are measurable. Staff will also focus on community outreach and voluntary restoration projects in several key watersheds to meet requirements of TMDL regulations, Watershed Management Plans, and Stream Restoration/Stormwater Management Facility Retrofit Reports. Staff will continue to build and enhance data tracking tools that measure implementation success.

In FY 2009, staff will conduct permit renewal application activities, including the required public process. Staff will continue to leverage funds and efforts through its partnerships with outside grantors and through its coordination of the Monocacy & Catoctin Watershed Alliance (MCWA). The MCWA was formed from the steering committees of two County-sponsored Watershed Restoration Action Strategies (WRAS); the MCWA will continue its efforts to implement the WRAS plans to protect and restore water quality and habitat through voluntary programs. Grants will continue to fund the County's Community Restoration Coordinator into FY 2009. Staff is planning to apply for additional funds for this position through grants, but will also seek for a full-time position to be approved in the county budget with the FY 2011 request. Staff will also work to meet requirements of the TMDL to restrict sediment and phosphorus loads to Lake Linganore.

8.2 APPROVED FY 2008 OPERATING BUDGET

The FY 2008 budget year began July 1, 2007. Staff plans to complete its extended year of its permit on March 11, 2008 fully funded and in full compliance. The Division of Public Works acquired funds for FY 2008 that met the budget needs for NPDES. Funding includes: \$172,088 budgeted for personnel costs and \$396,235 budgeted for program operating funds, for a total of \$568,323, an increase of \$32,939 over the previous year.

\$20,423 from the operating budget was used in FY 2008 as cost share for a Chesapeake Bay Trust grant entitled "Toms Creek Stewardship Project". The grant award of \$12,100 (\$32,532 total) is being used for outreach and to construct demonstration projects for stormwater quality in northern Frederick County. \$9,214 in FY 2008 operating funds was used in a cash match for an EPA 319 grant for the Bennett Creek Urban Wetlands Program. The grant, passed through MDE, is in the amount of \$176,500. The grant also includes \$107,853 in-kind from the CIP and a \$600 in-kind match from Environmental Concern for a workshop they will present. The grant total for the Bennett Creek Urban Wetlands Program is \$294,167 and will be used for education, outreach, monitoring, and demonstration projects for urban wetlands.

NPDES-required tasks using FY 2008 funds are presented in Table 8-1.

Table 8-1. Tasks assigned using FY 2008 funds
Stream Monitoring and Analysis in Priority Watersheds
MD2000 Manual Monitoring and Analysis
Graphic Design and Printing of Outreach Materials Including Signs
Storm Drain Digitizing, QA/QC
Materials for Community Restoration Projects
Refine Watershed Boundaries and Delineate Subwatersheds
Monitor CIP projects
Grant cost shares for Toms Creek, Bennett Creek projects

8.3 PREVIOUS YEARS' OPERATING BUDGETS

8.3.1 FY 2007 Operating Budget

The FY 2007 budget year began July 1, 2006. Staff ended the second five-year permit period on March 11, 2007 fully funded and in full compliance. The Division of Public Works acquired funds for FY 2007 that met the budget needs for NPDES. Funding included: \$159,984 budgeted for personnel costs and \$375,400 budgeted for program operating funds, for a total of \$535,384. The approved budget contained an additional \$60,000 which was moved into other budgets. Funding also included \$10,000 transferred to Environmental Compliance to conduct stormwater management facility inspections and wet/dry screenings for illicit discharges and \$50,000 added to the Capital Program for Watershed Assessments in the Bennett Creek Watershed CIP. The CIP reflected the increase but the Budget Office initially had not decreased the Operating Budget in the original appropriation, so a budget transfer was conducted to move these funds into the correct budget lines.

An additional \$9,015 from the NPDES budget was transferred to NPDES-related grant budgets as cost shares from personnel accounts for a 319(h) EPA grant for an Urban Wetlands Pilot in the Bennett Creek Watershed. An additional \$71,300 was added to the grant budget funds for the new grant.

NPDES-required tasks using FY 2007 funds are presented in Table 8-2.

Stream Monitoring and Analysis in Priority Watersheds
MD2000 Manual Monitoring and Analysis
Graphic Design and Printing of Outreach Materials Including Signs
Storm Drain Digitizing, QA/QC
Publishing Public Notices
Materials for Community Restoration Projects
Refine Watershed Boundaries and Delineate Subwatersheds
Develop Urban Wetlands Program in Bennett Creek Pilot Watershed

8.3.2 FY 2006 Operating Budget

The FY 2006 budget was active from July 1, 2005 to June 30, 2006. The Division of Public Works acquired funds for FY 2006 that met the \$554,740 budget needs for NPDES. The FY 2006 budget restored previous funding levels and included an additional Project Manager I position to support NPDES permit activities. The FY 2006 budget included \$420,186 for the NPDES program operating funds, plus \$144,583 in salary and fringe funds for the program manager and staff, for a total of \$564,769.

In FY 2006, Frederick County received \$9,800 from the Potomac Conservancy for landowner outreach and map creation in the Fahrney and Pleasant Branches of the Bennett Creek Watershed. These funds were passed through from the Chesapeake Bay Trust (CBT). Frederick

County DPW also garnered its own \$25K CBT grant for the Libertytown Stewards project in the Linganore Watershed. DPW won several other grants that began in the 2006 portion of FY 2006 and continue into future fiscal years. The National Fish and Wildlife Foundation awarded DPW \$40K for outreach in the Linganore Watershed using EPA 319 funds. DPW also applied, through MDE, for \$216K in 319(h) Incremental Funds to be used for restoration projects in the Linganore Watershed. These grants fund a 75%-time Community Restoration Coordinator, in addition to the outreach and projects.

NPDES-required tasks assigned to contractors using FY 2006 funds are presented in Table 8-3.

Table 8-3. Tasks assigned using FY 2006 funds
Stream Monitoring in Priority Watersheds
Flowmeter Monitoring and Analysis
Graphic Design and Printing of Outreach Materials
Storm Drain Digitizing QA/QC, Planimetrics/Ortho Review, GIS Strategic Plan
Monitoring Data Compilation/Management
USFWS Cooperative Agreement for Stream Restoration Design Review
Watershed Signage

8.3.3 FY 2005 Operating Budget

The Fiscal Year 2005 budget was active from July 1, 2004 to June 30, 2005. The Fiscal Year 2005 budget included \$380,255 for the NPDES program operating funds, plus \$90,735 in salary and fringe funds for the program manager and part-time staff, for a total of \$470,990 (\$71,230 less than FY 2004). As stated in the 2003 Annual Report, the budget was reduced in 2005 by 5%, but did not impact NPDES-related activities due to early and below-budget completion of GIS projects and the availability of grant funding.

Frederick County received its second \$40,000 in grant funds in July 2004 (in FY 2005) to create a WRAS in the Upper Monocacy Watershed. This work was completed at the end of June 2005. EPA provided the funds through the Clean Water Act Section 319 program. The grant award also enabled DNR to conduct watershed management planning. The ability to obtain future funds from DNR, EPA, and other agencies is enhanced by participation in this project.

NPDES-required tasks assigned to contractors in FY 2005 are presented in Table 8-4.

Table 8-4. Tasks assigned using FY 2005 funds
Stream Monitoring in Priority Watersheds
<i>2000 Maryland Stormwater Design Manual Study Phase III</i>
Flowmeter Monitoring and Analysis
Survey of Organizations Collecting Watershed Data, Sediment/Erosion Control Presentation, and Catalog of Datasets
Graphic Design and Printing of Outreach Materials
Monitoring Data Compilation/Management

8.4 PROPOSED FY 2009 CAPITAL IMPROVEMENT PROJECT BUDGET

Table 8-5 shows the FY 2009 proposed CIP project budgets and stages of development. These projects are described in greater detail in Section 7.6.

Table 8-5. CIP Project Funds Requested for FY 2009		
Project	Funds Requested in FY 2009	Narrative of Project Status
14 9899 C48001 Ballenger Creek Stream Restoration	\$0	Project completed in 2007.
14 9899 C48010 Lower Bush Creek Watershed	\$0	Project completed in 2007. Small corrections to drainage required.
14 9899 C48011 Upper and Lower Linganore Creek Watershed	\$0	All funds approved by FY 2008. Project in design by end of 2007.
14 9899 C48007 Bennett Creek Watershed	\$109,590	Funds for site improvements, inspection, land acquisition requested for FY 2009. Draft Watershed Plan completed by end of 2007 and retrofit study in progress.
No budget code Catoclin Creek Watershed	\$137,090	Funds for Watershed Management Plan., Restoration/Retrofit Assessment, Project Management requested for FY 2009.

8.5 APPROVED FY 2008 CAPITAL IMPROVEMENT PROJECT BUDGET

Table 8-6 shows the FY 2008 proposed CIP project budgets and stages of development. These projects are described in greater detail in Section 7.6.

Table 8-6. CIP Project Funds Approved in FY 2008		
Project	Funds Requested in FY 2008	Narrative of Project Status
14 9899 C48001 Ballenger Creek Stream Restoration	\$0	All project funds already available.
14 9899 C48010 Lower Bush Creek Watershed	\$0	All project funds already available.
14 9899 C48011 Upper and Lower Linganore Creek Watershed	\$241,580	Remainder of funds for Construction.
14 9899 C48007 Bennett Creek Watershed	\$72,940	Funds for land acquisition and site improvements.

8.6 APPROVED FY 2007 CAPITAL IMPROVEMENT PROJECT BUDGET

Table 8-7 shows the FY 2007 CIP project budgets and stages of development. These projects are described in greater detail in Section 7.6.

Project	Approved Budget	Narrative of Project Status
14 9899 C48001 Ballenger Creek Stream Restoration	\$449,880	All project funds available. Project 100% designed, was constructed summer 2007.
14 9899 C48010 Lower Bush Creek Watershed	\$337,070	All project funds available. Project 100% designed, was constructed fall 2007.
14 9899 C48011 Upper and Lower Linganore Creek Watershed	\$150,250	Funds for design available. Restoration/Retrofit Assessment Completed.
14 9899 C48007 Bennett Creek Watershed	\$128,930	Funds available for Watershed and Retrofit Assessments. Design scope under development.

8.7 FY 2005-2006 CAPITAL IMPROVEMENT PROJECT BUDGET

The following section describes the 2005-2006 budgets and discusses future projections.

A design engineering RFP was issued in spring 2005 with three awards: Tetra Tech, Inc., Greenhorne and O'Mara, and the Brightwater/CCJM/Ecosite Joint Venture. The first task awarded was a stream restoration project at Ballenger Creek Elementary School. This project will treat stormwater from the school site and reduce nitrogen and sediment transport in the stream. A second task at Urbana High School was also awarded after MDE approved the site as part of the requirements for Bush Creek (since the project area straddles the Bush Creek watershed and the Bennett Creek Watershed). The Urbana High School project will primarily retrofit existing stormwater management and will reduce pollutants from the bus parking area. The NPDES Storm Sewer System CIP funding for FY 2005-2006 reflects the permit-defined goal to "maximize water quality benefits in priority subwatersheds using efforts that are definable and the effects of which are measurable."

Table 8-8 presents an overview of the approved CIP budget to date. Additional details are provided in Appendix L. Construction costs for all watersheds are currently based on the cost estimates from the Bush Creek Stream Restoration and Stormwater Retrofit Assessment study.

Table 8-8. FY 2006 status of CIP projects		
Project	Approved Budget	Narrative of Project Status
14 9899 C48001 Ballenger Creek Stream Restoration	\$449,880	30% design for the project was underway. All project funds were available.
14 9899 C48011 Upper and Lower Linganore Creek Watershed	\$65,150	The FY 2006 budget included \$65,150.00 land acquisition, site improvements, and project management. The Restoration/Retrofit assessment was completed in 2005 using operating funds.
14 9899 C48010 Lower Bush Creek Watershed	\$310,070	Project at Urbana High School was 30% designed in FY 2006. All funds for this project except construction were available.

Evaluation: Frederick County continues to maintain adequate funding to support its NPDES MS4 permit program. The stream restoration project in Ballenger Creek and the stormwater retrofit project in Bush Creek Watershed were completed in 2007. A draft Watershed Plan was completed for Bennett Creek in 2007. The design for the Linganore Creek Watershed Stream Restoration Project was underway by the end of 2007. Adequate funding has been requested and maintained to meet NPDES requirements in both the Operating and Capital Budgets. Adequate funding enabled the Watershed Management Section to complete its five-year permit cycle on March 11, 2007 in full compliance.

