

DuPont – Waynesboro Natural Resource Damage Assessment and Restoration Settlement

Proposal Submission Procedures for: Water Quality Restoration and Protection

August 25, 2017

Administered by the Virginia Secretary of Natural Resources

INTRODUCTION

The purpose of this document is to solicit project recommendations consistent with the terms of the DuPont-Waynesboro Natural Resource Damage Assessment and Restoration settlement described below. The recommendations will be provided to the Secretary of Natural Resources for the Secretary's use as part of the DuPont Waynesboro Trustee Council (Trustee Council). The Trustee Council consists of two Trustees: the Secretary of Natural Resources on behalf of the Commonwealth of Virginia and the U.S. Department of the Interior, acting by and through the U.S. Fish and Wildlife Service.

The Trustee Council is responsible for the identification, selection, and implementation of projects pursuant to the DuPont Waynesboro – South River/South Fork Shenandoah River/Shenandoah River Restoration Plan/Environmental Assessment (RP/EA), which was developed with public input to restore natural resources and the services they provide that were injured by releases of mercury from the DuPont Waynesboro Site. The United States, the Commonwealth of Virginia, and E.I. du Pont de Nemours and Company (DuPont) lodged a Consent Decree (CD), which included the RP/EA as Appendix B, on December 15, 2016 with the U.S. District Court for the Western District of Virginia, Harrisonburg Division. The Court entered the CD on July 28, 2017. Under the terms of the CD, DuPont is required to pay \$42,069,916.78 to the Trustees.

Approximately \$10 million is available specifically for water quality protection and enhancement projects.

Through the procedures outlined in this document, the Trustee Council seeks proposals to consider for funding through the DuPont settlement. The Trustee Council will make the final selection of proposed projects to be funded.

FOR INFORMATION

1. Information about the settlement, consent decree and other materials can be found at:
https://www.fws.gov/northeast/virginiafield/environmentalcontaminants/dupont_waynesboro.html
2. Copies of this document and other materials related to the settlement can be found at:
<http://naturalresources.virginia.gov/>
3. Contact Information for Water Quality Grants:

Russ Baxter
Deputy Secretary of Natural Resources
804-786-0044
russ.baxter@governor.virginia.gov

GRANT APPLICATION / AWARD PROCESS

Applications will be reviewed and ranked in accordance with the priority ranking criteria provided in this document or in referenced agency documents. Based on the provisions of the settlement, the ranking process and providing the greatest environmental benefit to the target watershed as practicable, the TC will authorize a project funding list. The authorized funding list (including recipient name and grant amount) will be posted on the website of the Secretary of Natural Resources (www.naturalresources.virginia.gov) Department of Environmental Quality (DEQ) (www.deq.virginia.gov) and the Department of Conservation and Recreation (DCR) (www.dcr.virginia.gov). The TC will then issue Letters of Commitment to all recipients on the authorized project funding list so that they may proceed with their projects with the certainty of a funding commitment. DEQ and DCR staff will work with the authorized grant recipients as they complete the grant commitments.

Applications may be sent in paper or electronic format by October 9, 2017 to the following addresses:

By Mail:

Office of the Secretary of Natural Resources
Attn: DuPont Settlement
P.O. Box 1475
Richmond, Virginia 23218

By UPS, Courier or other means:

Office of the Secretary of Natural Resources
Attn: DuPont Settlement
Patrick Henry Building, 4th Floor
1111 E. Broad St.
Richmond, Virginia 23219

By email:

natural.resources@governor.virginia.gov (Please put "DuPont Settlement" in the subject line)

IMPORTANT DATES

Opening date for grant proposals is August 25, 2017 and they must be received by October 9, 2017.

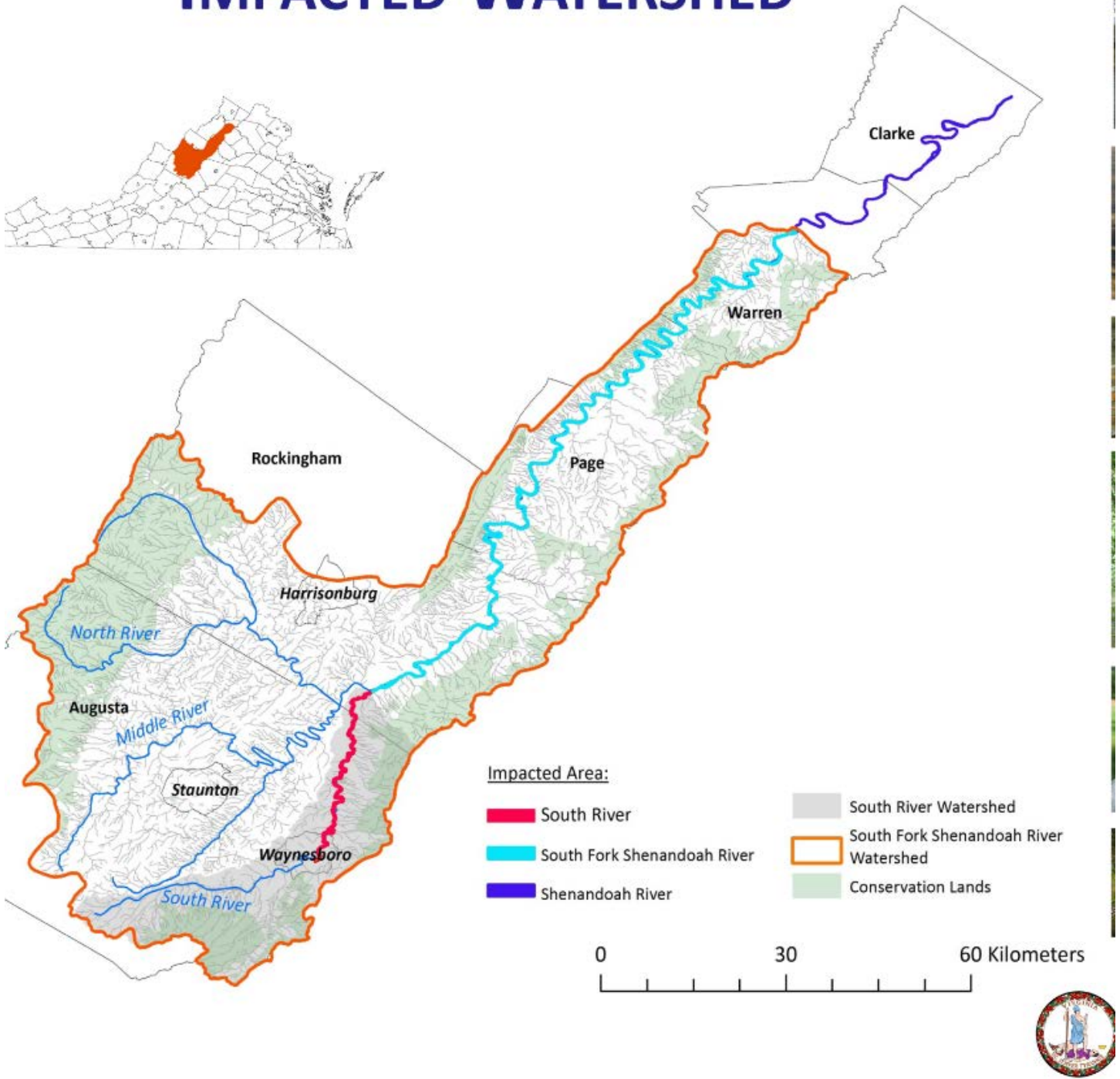
ELIGIBLE APPLICANTS:

Local governments, meaning any county, city, town, municipal corporation, authority, district, commission, or political subdivisions, including Soil and Water Conservation Districts created by the General Assembly, or pursuant to the Constitution or laws of the Commonwealth within the subject area, are eligible to apply for grants as are public educational institutions and registered 501 (c)(3) nonprofit organizations. Eligible applicants may collaborate on grant requests and such collaboration is encouraged to achieve the greatest water quality benefit

ELIGIBLE WATERSHED

The following map shows the watersheds that are eligible to receive grant funds.

IMPACTED WATERSHED



PART 1:

Agricultural Best Management Practices to Protect or Improve Water Quality

Agricultural Best Management Practices (BMPs) with a lifespan of at least 5 to 15 years that restore and protect water quality in the project area are preferred. This section outlines the application process for eligible BMPs, and necessary administrative and technical support.

The Virginia Agricultural Best Management Practices Cost-share Program (VACS) is administered by the Virginia Soil and Water Conservation Board and Department of Conservation and Recreation (DCR) through Virginia's Soil and Water Conservation Districts (SWCDs). The Program's goal is to improve water quality in the state's streams, rivers, and the Chesapeake Bay. VACS provides cost-share assistance to implement approved Best Management Practices (BMPs). The VACS emphasizes the implementation of agricultural BMPs in locations that provide the greatest nutrient and sediment reductions. Cost-shared BMPs must maximize nutrient and sediment reductions, by implementing the most cost-effective BMPs possible in locations that achieve the greatest pollutant reductions on a field by field basis.

Eligible Practices

The following practices implemented in the designated watersheds in the following Soil and Water Conservation Districts, Headwaters, Shenandoah Valley and Lord Fairfax are eligible for grants for the settlement:

1. Pending SL-6 (Stream Exclusion) practices in the designated watershed in Headwaters and Lord Fairfax Soil and Water Conservation Districts that applied in FY 2015.

District	BMP_ID	Practice Code	Status	Total Estimated Cost Share Payment
HEADWATERS	208474	SL-6	Pending	\$ 35,450.00
HEADWATERS	208547	SL-6	Pending	\$ 34,651.00
LORD FAIRFAX	207034	SL-6	Pending	\$ 126,681.50
LORD FAIRFAX	207035	SL-6	Pending	\$ 121,973.50
TOTAL				\$ 318,756.00

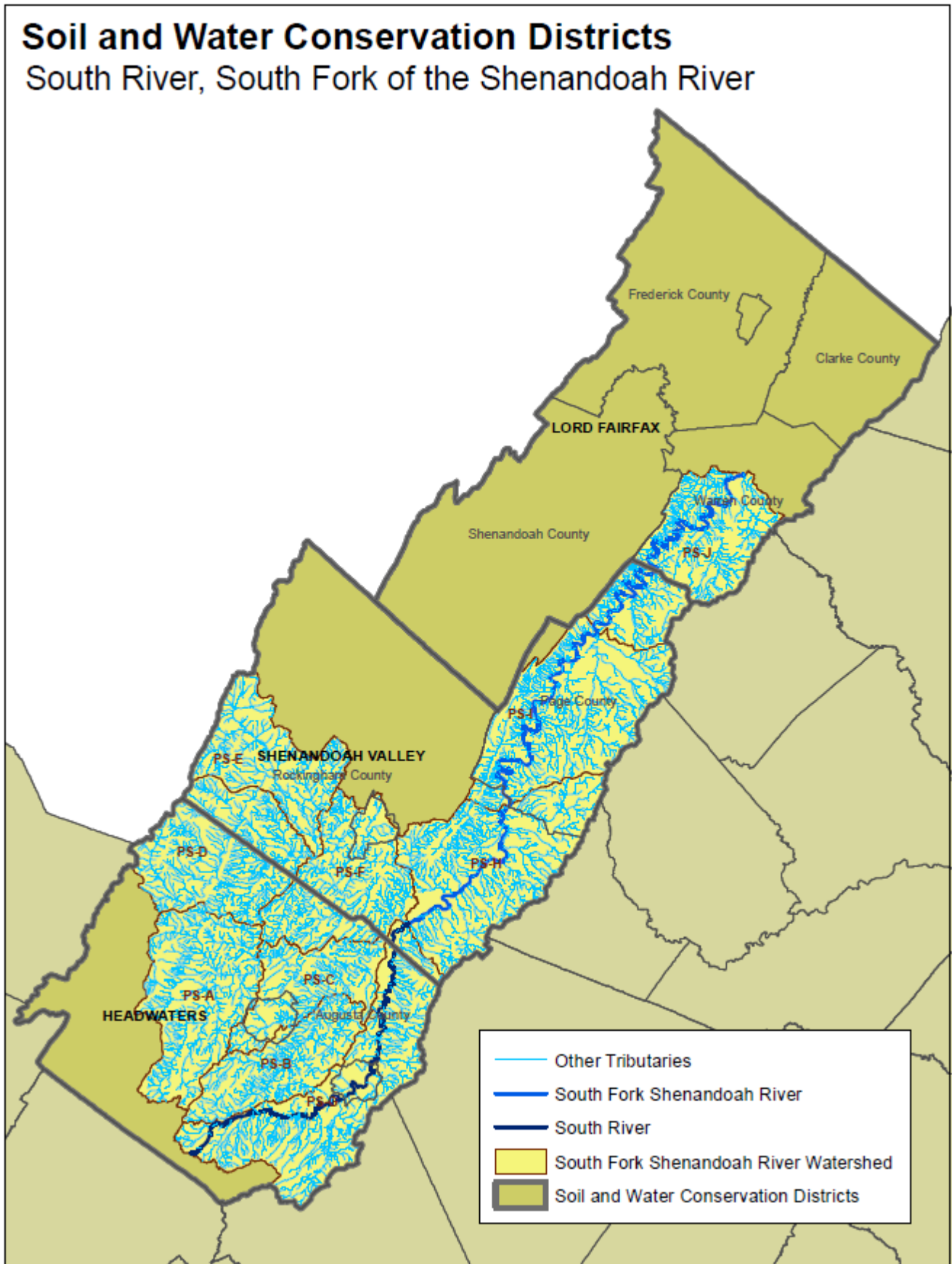
2. Virginia Agricultural BMPs: The following practices are determined to be most effective in meeting water quality objectives of the settlement for the longest period of time and are therefore determined to be eligible for cost-share grants from the settlement.

Practice Code	Practice Name	Revision Date	BMP Lifespan (yrs.)	Requires NM Plan	Recommended Percent Reimbursement	Recommended Payment Cap
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Practice Code	Practice Name	Revision Date	BMP Lifespan (yrs.)	Requires NM Plan	Recommended Percent Reimbursement	Recommended Payment Cap
FR-1	Reforestation of Erodible Crop and Pastureland	3/2016	10 – 15		90% of approved components	Plus * \$25 – 50/ac.
FR-3	Woodland Buffer Filter Area	3/2016	10 – 15		90% of approved components	Plus * \$100 - \$250/ ac. Based on conifers vs. hardwoods
SL-6	Stream Exclusion with Grazing Land Management (min. 35 ft. buffer)	3/2017	10		100%	No cap
SL-7	Extension of CREP Watering Systems	3/2016	10 -15 based on CREP contract		90%	\$70,000
SL-9	Grazing Land Management	3/2017	10	X	90%	\$70,000
WP-1	Sediment Retention, Erosion or Water Control Structures	3/2017	10		90%	\$70,000*
WP-2A	Streambank Stabilization	3/2016	5		90%	\$70,000
WP-4	Animal Waste Control Facility	3/2017	10	X	100%	No cap
WP-4B	Dairy Loafing Lot Management System	3/2017	10	X	100%	No cap
WP-6	Agricultural Chemical & Fertilizer Handling Facility	3/2017	10	X	90%	\$70,000
WQ-1	Grass Filter Strips (min. 35 ft. buffer)	3/2016	5		90%	\$70,000

Note: Payment caps (and all BMP lifespans) are from the DCR Program Year 2018 Virginia Agricultural Cost-Share (VACS) BMP Manual: <http://dswcapps.dcr.virginia.gov/htdocs/agbmpman/agbmptoc.htm>

Area of Eligibility within designated Soil and Water Conservation Districts



Grant Procedures for Agricultural BMPs

- DCR/applicable SWCDs advertise the approved BMP list, eligible sub-watersheds, and deadline for applications by agricultural producers.
- SWCDs accept project applications (using current cost-share forms) and designate projects for settlement consideration in the Agricultural BMP Tracking System.
- SWCDs may include any pending SL-6 (livestock stream exclusion) projects in their project lists, including any existing applications since FY2015, so long as they fall within the designated area.
- SWCDs provide preliminary cost estimates and Conservation Efficiency Factor (CEF) ranking by deadline pursuant to ranking procedures contained in DCR’s “Policy and Procedures on Soil and Water Conservation District Cost-Share and Technical Assistance Funding Allocations (Fiscal Year 2018) (Approved May 23, 2017)” .
- DCR reviews the list of project applications and associated CEF rankings to make recommendations to settlement trustees.
- Trustees determine which projects are approved for funding.
- DCR notifies SWCDs of funding awards.
- SWCDs approve projects to proceed and signs contracts.
- Projects proceed to completion and receive necessary engineering support and project inspections.
- Funds dispersed to SWCDs upon project completion as defined in project contract.

Procedures for Projects that Include Collaboration between Soil and Water Conservation Districts and other Eligible partners

Some Soil and Water Districts may wish to collaborate on projects that include local governments, non-agricultural landowners or other eligible applicants. Such collaborations should use the form included in Part Two and provide additional information about the nature of the project, the role of each partner, the practices to be employed and any other information that would give a full picture of the methods and results for the Trustee Council to consider.

PART 2:

Stormwater control, Stream Restoration and other nonpoint source control projects that Protect or Improve Water Quality in developed areas or use stream restoration as part of a pollution control project.

ELIGIBLE PROJECTS

Projects for reducing, treating and preventing stormwater runoff from reaching streams and rivers including but not limited to: planting streamside buffers, stabilizing eroding stream banks, erosion and sediment control structures in existing developed areas, restoring degraded streams under natural stream channel design in developed or undeveloped areas, retrofitting urban areas with low impact design methods including pervious pavement, rain gardens, rainwater collection systems or other recognized methods of low impact stormwater control. Projects that include long-term protections for riparian buffer areas will be prioritized.

GRANT ELIGIBLE EXPENSES

Grants may be used for any reasonable and necessary costs associated with the stormwater management or stream restoration project, including all associated planning, design, permitting, inspection, construction costs and monitoring. Grant proposals must address an existing stormwater pollution problem or prevents a future environmental problem due to stormwater runoff. The TC may reduce the scope and size of a project to ensure the greatest financial and environmental benefit from as many projects as possible.

INELIGIBLE GRANT COSTS

The following expenses cannot be included when determining the allowable amount of a grant:

1. Salaries and other expenses of municipal employees are not allowable expenses for reimbursement. In addition, the cost of Force Account Labor is ineligible.
2. Changes in the approved project scope without DEQ concurrence.
3. Change orders not attributable to the stormwater project or involving duplication of effort or work.
4. Any cost or expenditure that is determined to be unnecessary or unreasonable.
5. Costs to operate or maintain the project.
6. Any interest costs associated with funds borrowed for the planning, design, or construction of the project.

REIMBURSEMENT

Disbursement of grant funds will be made on a periodic reimbursement basis. Invoices must be submitted which fully substantiate all requests for disbursement of grant funds. All reimbursement requests must be reviewed and approved by DEQ staff prior to actual disbursement of funds by the TC. An original signed reimbursement request must be submitted to DEQ's Clean Water Financing and Assistance Program and one copy submitted to the DEQ Valley Regional Office. Further details regarding reimbursement for eligible

expenses will be included in grant award documents.

PROGRAM REQUIREMENTS

The following requirements are applicable to all projects funded through the grants:

1. Procurement of all funded goods/services must be made in conformance with the requirements of the Virginia Public Procurement Act, regardless of population size. DEQ will allow certification of engineering or construction procurement in order to streamline submittals.
2. When the grant includes land acquisition costs, the grantee must submit copies of the basic administrative reports and/or appraisals to substantiate the value of the land being purchased.
3. Stormwater best management practices (BMPs) listed on the Virginia Stormwater BMP Clearinghouse website shall be designed and constructed in accordance with all applicable standards and specifications provided by the Virginia Stormwater BMP Clearinghouse (<http://www.vwrrc.vt.edu/SWC/index.html>). Stormwater management facilities accepted for use by the USEPA Chesapeake Bay Program shall be designed and constructed in accordance with all applicable standards and specifications provided by the Chesapeake Bay Program. If the BMP is a retrofit that cannot fully meet the applicable design specifications, then it must meet them to the degree feasible, given space constraints and other limitations.
4. Provisions for the long-term responsibility and maintenance of the stormwater management facilities and other techniques specified to manage the quantity and quality of runoff, including an inspection and maintenance schedule, shall be developed and implemented for all projects funded. These provisions shall include, at a minimum, a description of the requirements for maintenance of the stormwater management facilities, a recommended schedule of inspection and maintenance, and the identification of a person or persons who will be responsible for maintenance. Long-term responsibility and maintenance requirements for stormwater management facilities located on private property shall be set forth in an instrument recorded in the local land records and shall be consistent with 9VAC25-870-112 of the Virginia Stormwater Management Program (VSMP) Permit Regulations.

PRIORITY RANKING CRITERIA

For urban restoration and stormwater control projects, DEQ will prioritize applications for grant assistance which are expected to provide the greatest water quality benefit will be given the highest funding priority.

HIGHEST TOTAL POSSIBLE SCORE = 580 PTS

I. POLLUTANT REDUCTION (MAXIMUM 100 points)

Points will be based on the calculated reduction of total phosphorous (TP) as a result of the proposed project. TP is the representative pollutant for stormwater in the Commonwealth and serves as a surrogate for other pollutants of concern. The established methodology for calculating the TP reduction for stormwater management projects is outlined in Attachment A. For the purchase of non-point source nutrient credits, the number of pounds of TP proposed for purchase will be the pollutant reduction amount.

II. COST EFFECTIVENESS (MAXIMUM 200 points)

Points will be based on the projected cost of the project divided by the calculated amount of TP reduction or the proposed pounds of TP to be purchased for non-point source nutrient credits.

III. IMPAIRED WATER BODIES (MAXIMUM 40 points)

Points will be based on the location and impact of the proposed project in relation to priority water bodies in the state. **Note: These categories (a – b) are additive.**

- a. Project is directly related to requirements of a local impaired stream TMDL 40 pts.
or
Project is directly related to a local impaired stream without a TMDL 20 pts.

IV. FISCAL STRESS-(COLG Composite Stress Index) (MAXIMUM 75 points)

50 of the points for county and city applicants will be based on the latest available Commission on Local Government composite fiscal stress index. Town applicants will be assigned the points of the surrounding county. Any applicant with a project serving more than one jurisdiction (such as public service authorities or towns located in two counties) will be assigned a weighted average from the component scores. An additional 25 points will be awarded to applicants that have established a dedicated local funding/revenue mechanism for stormwater capital projects.

V. READINESS TO PROCEED (MAXIMUM 100 points)

Because it is important that grant recipients proceed quickly with their proposed projects, applicants that can proceed immediately with their proposed projects, or demonstrate an advanced state of readiness, will be given the highest points under this category.

Stormwater Management Projects:

- Final design plans approved by the locality 75 pts.
- Design plans submitted and under review by the locality 70 pts.
- Preliminary / Concept engineering completed 55 pts.
- Executed engineering contract with approved task order and notice to proceed issued for this project 40 pts.
- Project included in current year Capital Improvement Plan 25 pts.
- Project identified in Comprehensive Stormwater Management plan, Watershed Management Plan, or TMDL Action Plan 15 pts.

VI. METHODOLOGY FOR CALCULATING TOTAL PHOSPHORUS REDUCTION

For the purpose of determining pollution reduction rankings, applicants shall submit expected reductions of Total Phosphorus (TP) only. This shall be calculated as follows:

- 1) For Virginia BMP Clearinghouse BMPs, USEPA Chesapeake Bay Program BMPs, and BMP retrofits:
 - a) **Initial TP loads** (in pounds) shall be calculated on the Site Data tab of the Virginia Runoff Reduction Method Spreadsheet (Version 3.0, April 2016; 2011 or 2013 BMP Stds & Specs). Instructions for using the Spreadsheet can be found in Guidance Memo No. 16-2001 *Virginia Runoff Reduction Method Compliance Spreadsheet User's Guide & Documentation* (April 2016).
 - b) **TP load reductions** (in pounds) shall be determined using the following methods, as specified:
 - i) If the proposed BMP is on the Attachment A list, then the TP load reduction shall be calculated using the TP removal efficiency assigned to the selected BMP in the table.
 - ii) If the BMP being installed, enhanced, or converted cannot fully meet the design specifications for an Attachment A BMP, then the TP load reduction shall be determined using the retrofit equations or performance curves developed in the *Recommendations of the Expert Panel to Define Removal Rates for Urban Stormwater Retrofit Projects* (January 2015), on the Chesapeake Bay Program website at: http://www.chesapeakebay.net/documents/Final-CBP-Approved-Expert-Panel-Report-on-Stormwater-Retrofits-long_012015.pdf
- 2) If the project constitutes a land use change (e.g., planting trees where impervious surface once existed, etc.), the initial TP load shall be calculated as directed in paragraph 1a above. The reduction shall be calculated using the Site Data tab of the Virginia Runoff Reduction Method Spreadsheet. The initial TP load calculated using this tab of the Spreadsheet shall be compared to the TP load calculated after reflecting the changes in the land cover cells.
- 3) TP load reduction for Urban Stream Restoration projects shall be determined by using the default rate of 0.068 pounds/linear foot or the Protocols defined in the *Recommendations of the Expert Panel to Define Removal Rates for Individual Stream Restoration Projects* (September 2014) on the Chesapeake Bay Program website at: http://www.chesapeakebay.net/documents/Stream_Panel_Report_Final_08282014_Appendices_A_G.pdf

TP load reduction for Dry Channel Regenerative Stormwater Conveyance projects shall be determined by using Protocol 4 in the above listed document. Additionally, applications for stream restoration projects must include a written description of the site selection process for the project including documentation (i.e. Rosgen stream channel classification, watershed study, conceptual design plans, BMPs within the watershed, etc.) and photographs of the reach of stream to be restored.
- 4) TP load reduction for Shoreline Management projects shall be determined by using the Protocols defined in the *Recommendations of the Expert Panel to Define Removal Rates for Shoreline Management Project* (July 2015) on the Chesapeake Bay Program website at: http://www.chesapeakebay.net/documents/Shoreline_Management_Protocols_Final_Approved_07132015-WQGIT-approved.pdf
- 5) If an applicant proposes to enhance or convert an existing pond or other BMP that was in place on or before June 30, 2009 (the baseline date for the Chesapeake Bay TMDL load allocations), only the incremental increase in pollution treatment capacity will be eligible for scoring for this grant process. Proposals to increase the treatment capacity of a BMP that was lost due to lack of routine maintenance being performed will not be eligible for grant funds.

Virginia Stormwater BMP Clearinghouse Non-Proprietary BMPs		
BMP Clearinghouse Specification #	Practice	Total Phosphorus Mass Load Removal (TR, as %)
2	Sheetflow to Conservation Area	50 to 75 ¹
	Sheetflow to Vegetated Filter Strip	50
3	Grass Channel	24 to 41 ¹
5	Vegetated Roof Level 1	45
	Vegetated Roof Level 2	60
7	Permeable Pavement Level 1	59
	Permeable Pavement Level 2	81
8	Infiltration Level 1	63
	Infiltration Level 2	93
9	Bioretention Level 1	55
	Bioretention Level 2	90
	Urban Bioretention	55
10	Dry Swale Level 1	52
	Dry Swale Level 2	76
11	Wet Swale Level 1	20
	Wet Swale Level 2	40
12	Filtering Practice Level 1	60
	Filtering Practice Level 2	65
13	Constructed Wetland Level 1	50
	Constructed Wetland Level 2	75
14	Wet Pond Level 1	50 (45 for coastal plain) ²
	Wet Pond Level 2	75 (65 for coastal plain) ²
15	Extended Detention Pond Level 1	15
	Extended Detention Pond Level 2	31
Virginia Stormwater BMP Clearinghouse Proprietary Devices		
Device Type	Device Name	Total Phosphorus Mass Load Removal (TR, as %)
Hydrodynamic Manufactured Devices	Aqua-Swirl Stormwater Treatment System	20
	BaySeparator	20
	Continuous Deflective Separator (CDS)	20
	Downstream Defender	20
	Dual Vortex Separator (DVS)	20
	First Defense	20
	Hydroguard	20
	Stormceptor MAX	20
	Stormceptor OSR	20
	Stormceptor STC	20
	StormPro	20
	Storm Water Quality Unit	20
	Terre Kleen Hydrodynamic Separator	20
	V2B1	20
	The Vortechs System	20
CrystalClean Separator – Single Vault	25	

Virginia Stormwater BMP Clearinghouse Proprietary Devices		
Device Type	Device Name	Total Phosphorus Mass Load Removal (TR, as %)
Filtering Manufactured Devices	Aqua Filter Stormwater Filtration System	40
	StormTech Isolator Row	40
	Up-Flo Filter with CPZ Media	40
	The Stormwater Management Stormfilter with ZPG Media	45
	BayFilter Stormwater Cartridge System	50
	Filtterra Bioretention Systems	50
	Jellyfish Filter	50
	Modular Wetland System Linear (MWS-Linear)	50
	Perk Filter	50
The Stormwater Management StormFilter with Phosphosorb media	50	
Chesapeake Bay Program BMPs, Established Efficiencies		
Practice		Total Phosphorus Mass Load Removal (TR, as %)
Wet Ponds and Wetlands		45
Dry Detention Ponds and Hydrodynamic Structures		10
Dry Extended Detention Ponds		20
Infiltration Practices w/o Sand, Veg.		85
Infiltration Practices w/ Sand, Veg.		85
Filtering Practices		60
Bioretention C/D soils, underdrain		45
Bioretention A/B soils, underdrain		75
Bioretention, A/B soils, no underdrain		85
Vegetated Open Channels, C/D soils, no underdrain		10
Vegetated Open Channels, A/B soils, no underdrain		45
Bioswale		75
Permeable Pavement w/o Sand, Veg. C/D soils, underdrain		20
Permeable Pavement w/o Sand, Veg. A/B soils, underdrain		50
Permeable Pavement w/o Sand, Veg. A/B soils, no underdrain		80
Permeable Pavement w/ Sand, Veg. C/D soils, underdrain		20
Permeable Pavement w/ Sand, Veg. A/B soils, underdrain		50
Permeable Pavement w/ Sand, Veg. A/B soils, no underdrain		80
Chesapeake Bay Program BMPs Hydrogeomorphic Region Impacted Efficiencies		
Practice	Hydrogeomorphic Region(s)	Total Phosphorus Mass Load Removal (TR, as %)
Wetland Restoration	Appalachian Plateau Siliciclastic	12
Wetland Restoration	Coastal Plain Dissected Uplands; Coastal Plain Uplands; Coastal Plain Lowlands	50
Wetland Restoration	Blue Ridge; Mesozoic Lowlands; Piedmont Crystalline; Piedmont Carbonate; Valley and Ridge Siliciclastic; Valley and Ridge Carbonate	26
Notes:		
¹ See design specifications for more information.		
² Lower nutrient removal in parentheses applies to wet ponds in coastal plain terrain		

Instructions for the Application for the Grant from the DuPont-Waynesboro Settlement

Section A – Organizational Data

Provide the project name as it appears (or will appear) on the design plans. Provide the contact information for the locality and for the engineering firm that will be designing the project if available.

Documentation: Commonwealth of Virginia substitute W-9 form must be provided.

Section B – Proposed Funding

Provide the amount of funds requested. Provide the source(s) and amount(s) of local match funds.

[If the project is a green infrastructure project (such as a green roof or permeable pavement) that is in place of a conventional technology, the applicant has the option of requesting funding for only the incremental project costs if desired. If so, the applicant must provide both the projected cost of the conventional technology and the green technology to substantiate the request for the incremental costs. The incremental costs will then be used to determine the project's cost effectiveness as well as the grant amount requested.]

Section C – Water Quality Data

Provide the latitude and longitude for the center of the project, in decimal degrees. Provide the name of the stream / waterbody that is being addressed by the project. Provide the river basin for the above mentioned stream / waterbody.

Section D – Project Description & Statement of Need

Provide a description of the proposed project, including the type of project (BMP), area treated by the BMP in acres, any TMDL or impaired water addressed by the project, if the project is relevant to a TMDL Implementation Plan, and other relevant information pertaining to the project. Describe the need for the proposed project. Needs should be in the areas of restoring, protecting, or preventing pollution in settlement area.

[If the project is a stream restoration, you must also provide a written description of the site selection process for the project, including documentation (e.g. Rosgen stream channel classification, watershed study, conceptual design plans, existing BMPs within the watershed, etc.) and photographs of the reach of stream to be restored.]

Section E: Pollutant Reduction

The established methodology for calculating the TP reduction is outlined in Part VI of the guidelines.

Documentation: To verify pollutant reduction calculations, the following information is **required** with the application:

1. Print out the Site Data tab of the Virginia Reduction Method spreadsheet showing the data entered and the resultant TP load. Supporting documentation with rationale for parameter selection must be provided to demonstrate that the parameter estimates are valid for the project.
2. Provide a narrative explaining which pollution reduction calculation methodology was selected, why it is appropriate for the project, the calculated phosphorus load reduction, any assumptions with supporting documentation, and parameters selected with rationale for selection (must be provided to demonstrate that the estimates are valid for the project.) All supporting calculations must be provided.
3. If the project is a retrofit of an existing BMP, provide photographs showing the BMP before the upgrade. Provide a narrative describing the upgrade / enhancement and the incremental phosphorus reduction achieved utilizing the references, with supporting documentation. Rationale and calculated estimates for the BMP's current (former) efficiency must be provided.

Section F – Readiness-To-Proceed

For items 1-6, choose the highest (most advanced) project status option that accurately reflects the current status of the project.

For items 7-8, check either yes or no, as appropriate.

Documentation: Only provide documentation of the highest (most advanced) status option:

- For item 1, provide final design plans and local approval.
- For item 2, provide design plans.
- For item 3, provide concept engineering plan.
- For item 4, provide executed contract, task order, and notice to proceed.
- For item 6, provide Comprehensive SWM Plan, Watershed Management Plan, or TMDL Action Plan.
- For item 8, attach documentation of acquisition.

Section G – Project Budget Information

Provide a breakdown of the project budget. The contingency amount should be no more than 5% of the Storm-water BMP Construction amount. **Ensure that the total is the same amount as the Total Project Cost in Section B of the application.**

Documentation: Provide information such as professional services task orders, engineer's opinion of probable cost, and appraisals/basic administrative reports to substantiate the project budget figures.

Section H: Locality stormwater data

Check questions on the locality's dedicated revenue source for stormwater and MS4 permit and explain the project's relationship to the MS4 permit if applicable.

Documentation: Attach evidence of the dedicated revenue source for a stormwater management program.

Section I – Assurances and Certifications

Provide name, title, signature, and date.

Section J – Attachments

Provide all appropriate attachments.

SECRETARY OF NATURAL RESOURCES
DUPONT-WAYNESBORO SETTLEMENT
STORMWATER PROJECTS

SECTION A - ORGANIZATIONAL DATA

Name of Project:

Name of Applicant:

Applicant Address:

Contact Person:

Phone: Email:

Name of Engineer:

Engineer Address:

Contact Person:

Phone: Email:

SECTION B - PROPOSED FUNDING

PROJECT FUNDING

a) Amount of Grant Funds Requested

b) Total Project Cost

SECTION C – WATER QUALITY DATA

Location of Project Latitude Longitude

(Latitude and Longitude of project is a required entry on this application)

Name of Stream / Waterbody impacted by stormwater runoff being addressed by the project

River Basin for Receiving Stream / Waterbody

SECTION D -BRIEF PROJECT DESCRIPTION AND STATEMENT OF NEED

(attach additional pages if necessary)

SECTION E -POLLUTANT REDUCTION

The calculated Total Pounds (Per Year) of Total Phosphorous reduced as a result of this project

= pounds per year

SECTION F - READINESS-TO-PROCEED

ANTICIPATED SCHEDULE

	<i>Schedule Item Description</i>	<i>Date</i>
a.	Notice to Proceed on Design	
b.	Completion of Plans/Specifications	
c.	Plans and Specs Approved	
d.	Advertise for Bids	
e.	Bid Opening	
f.	Award Contracts	
g.	Estimated Construction Time (expressed in months)	

SECTION F - READINESS-TO-PROCEED

PROJECT STATUS

	Check One
1. Final Designs approved by Locality?	
2. Design Plans submitted and under review by Locality?	
3. Preliminary / Concept Engineering complete?	
4. Executed engineering contract with approved task order and notice to proceed issued for the project?	
5. Project included in the CURRENT YEAR Capital Improvement Plan?	
6. Project identified in Comprehensive Stormwater Management Plan, Watershed Management Plan, or TMDL Action Plan?	

	Yes	No
7. Is acquisition of land and/or easements necessary to complete project?		
8. Has the land and/or easements necessary for the project already been acquired?		

SECTION G -PROJECT BUDGET INFORMATION

Legal / Administration	
Land, Right-of-Way	
Architectural Engineering Basic Fees	
Project Inspection Fees	
Other (Explain)	
Stormwater BMP Construction	
Contingencies	
TOTAL*	

*This amount should be the exact same as the amount in Item c) Total Project Cost, Section B, Page 1.

SECTION H

	Yes	No	N/A
Is the applicant subject to an MS4 discharge permit in accordance with §62.1-44.5?			
Does the project address requirements of your MS4 permit?			

If yes, explain:

Name of MS4 Permittee if different from Applicant

SECTION I - ASSURANCES AND CERTIFICATIONS

The undersigned representative of the applicant certifies that the information contained herein and the attached statements and exhibits are true, correct and complete to the best of their knowledge and belief. The undersigned also agrees to clarify or supplement information pertaining to this application upon request.

Name:

Title:

Signature: _____

Date:

SECTION J - ATTACHMENTS

Include all required attachments appropriate for your application. The following is a list of potential attachments:

- 1) [Commonwealth of Virginia substitute W-9 form](#) from DEQ web site (required of **all** applications, Section A)
- 2) Documentation of project costs for conventional technology and for green technology (only required if applicant chooses incremental cost option for a green infrastructure project, Section B).
- 3) Documentation supporting site selection process and photographs of the reach of stream (only required for stream restoration projects, Section D).
- 4) Documentation supporting the Pollution Reduction methodology, calculations, text, etc. (Section E)
- 5) Documentation of highest project status option. (Section F)
- 6) Information substantiating project budget figures. (Section G)
- 7) Documentation of Dedicated Revenue Source for Stormwater Management Program. (Section H)