



GROWING GREENER PLUS

Growing Greener Plus refers to the four grant programs described in this grant guidelines document. The four programs covered under this document are Growing Greener, 319 Nonpoint Source (NPS), Surface Mining Conservation and Reclamation Act (SMCRA) Bond Forfeiture, and Abandoned Mine Drainage (AMD) Set-Aside grants. All four of these grant programs can be applied for via the Commonwealth of Pennsylvania Electronic Single Application website using the Growing Greener Plus Grant Application (Form # 1010-FM-GC0001d) and the Task and Deliverable Budget Worksheet (Form # 1010-FM-GC0001e), which will be uploaded to the electronic application site.

Pennsylvania's Nonpoint Source Management Program establishes the overall strategy Pennsylvania will use to implement watershed restoration and protection activities. Ninety-six percent of the water-quality-impaired watersheds in Pennsylvania are polluted because of nonpoint sources of pollution, such as AMD, urban and agricultural runoff, atmospheric deposition, on-lot sewage systems, earthmoving, stream hydromodification and timber harvesting. Recognizing the negative impact human activities have on environmental resources throughout the Commonwealth, including the Chesapeake Bay Watershed, and the commitment the Commonwealth has made to address these impacts, Pennsylvania is continuing its focus with this year's grant round to reduce nonpoint source pollution reaching the Bay. The purpose of the Watershed Protection Grants and SMCRA AMD remediation grants is to address the concerns mentioned above through local, watershed-based planning, restoration and protection efforts.

Growing Greener

The Environmental Stewardship and Watershed Protection Act, commonly known as Growing Greener, was passed into law in December 1999. The statutory authority for these grants is found in Section 6105(b) of the Environmental Stewardship and Watershed Protection Act (27 Pa. C.S. 6101 *et seq.*). The primary purpose of this program is to restore impaired waters or protect degraded waters within the Commonwealth. Requirements for the Growing Greener Program are found beginning on Page 4 of the Growing Greener Plus Application Submittal Instructions (Form # 1010-FM-GC0001c).

Section 319 Nonpoint Source

Section 319 Nonpoint Source grant funds are provided to the Department each year from the U.S. Environmental Protection Agency and authorized through Section 319(h) of the federal Water Pollution Control Act. The primary activity of this program is to implement Section 319 Program Watershed Implementation Plans (WIPs) as approved by EPA. Guidelines for the Section 319 grant program are found on Pages 7 and 8 of the Growing Greener Plus Application Submittal Instructions (Form # 1010-FM-GC0001c).

Surface Mining Conservation and Reclamation Act Grants (Bond Forfeiture And AMD Set-Aside)

Grants under this program are authorized through Section 18 of the Surface Mining Conservation and Reclamation Act (SCMRA). Guidelines for Surface Mining Conservation and Reclamation Act Grants start on Page 9 of the Growing Greener Plus Application Submittal Instructions (Form # 1010-FM-GC0001c).

Application forms

Application forms for these four grant programs can be downloaded from the Growing Greener website at <http://www.dep.pa.gov/Citizens/GrantsLoansRebates/Growing-Greener> and under "Help for Applicants" or can be acquired from:

DEP Grants Center
Rachel Carson State Office Building
400 Market Street, 15th floor
P.O. Box 8776
Harrisburg, PA 17105-8776
717-705-5400

Timeline

Activity	Deadline
Contact appropriate DEP personnel identified in the DEP contacts document (Form # 1010-FM-GC0001i)	June 22, 2018
Submit Proposals	July 13, 2018

PLEASE REFER TO THE LINE-BY-LINE INSTRUCTIONS AS YOU COMPLETE THE APPLICATION. THESE INSTRUCTIONS CONTAIN VITAL INFORMATION TO HELP YOU PROPERLY COMPLETE THE APPLICATION. LINE-BY-LINE INSTRUCTIONS CAN BE FOUND IN FORM # 1010-FM-GC0001f.



GROWING GREENER PLUS GRANT APPLICATION PACKAGE INFORMATION

Submission Format – Applicants should submit their applications as outlined on Page 1 of the Submittal Instructions (Form # 1010-FM-GC0001c) utilizing the Growing Greener Plus Grant Application Checklist for Application Completeness (Form # 1010-FM-GC0001g).

Project Eligibility – Eligibility criteria for Growing Greener and 319 Nonpoint Source projects considered under this solicitation are listed on Pages 4-7 of the Growing Greener Plus Application Submittal Instructions (Form # 1010-FM-GC0001c). There are a number of program-specific criteria regarding the eligibility of projects focused on abandoned mine drainage (AMD) remediation. Projects to address mining-related issues may be funded from Surface Mining Conservation and Reclamation Act (SMCRA) bond forfeiture funds if the site is within a bond forfeiture site, by AMD Set-Aside funds if the project is covered by a Qualified Hydrologic Unit Plan (QHUP) or watershed where a QHUP is being developed; by 319 Nonpoint Source funds if located in areas covered by a 319 Nonpoint Source Watershed Implementation Plan (WIP); and by Growing Greener Watershed Protection funds for a limited number of projects not located within bond forfeiture sites, QHUPs or watersheds where QHUPs are under development, or 319 Nonpoint Source WIPs.

Awarding of project grants – Applicants or sponsors (in the event a sponsor is identified) chosen for funding under these grant programs will be required to execute a formal grant agreement with the Department of Environmental Protection (DEP). The agreement will include a detailed scope of work, project schedule, budget and other requirements.

Growing Greener Project Submissions – Projects being submitted for Growing Greener consideration within the Chesapeake Bay Watershed will need to address one or more of the specific Chesapeake Bay Watershed Activities as outlined on Page 4 of the Growing Greener Plus Application Submittal Instructions (Form # 1010-FM-GC0001c).

Projects submitted for Growing Greener consideration outside of the Chesapeake Bay Watershed will need to meet the project eligibility criteria outlined on Page 5 of the instructions. Preference will be given to those projects meeting the general and regional priority criteria outlined in Form # 1010-FM-GC-0001i.

Section 319 Project Submissions – Projects submitted for consideration under the federal Clean Water Act Section 319 Program will need to meet the project eligibility criteria outlined on Page 7 of the Growing Greener Plus Application Submittal Instructions (Form # 1010-FM-GC0001c), with preferential consideration given to those that address the prioritization criteria.

AMD Bond Forfeiture and Set-Aside Project Submissions – Projects submitted for SMCRA AMD Bond Forfeiture or Set-Aside grants will be evaluated based on the eligibility criteria outlined on Pages 9 through 11 of the Growing Greener Plus Application Submittal Instructions (Form # 1010-FM-GC0001c) and the AMD Prioritization Activities and Watersheds outlined in the document titled Abandoned Mine Drainage (AMD) Prioritization Activities and Watersheds (Form # 1010-FM-GC0001j).

Growing Greener Watershed Renaissance Initiative (GGWRI) – The GGWRI continues as a special watershed consideration. DEP is interested in funding the complete implementation of existing watershed restoration or implementation plans on small, priority watersheds listed as impaired on DEP's Integrated Report List. All impairments within the identified renaissance watershed must be addressed to the extent that upon completion, the total watershed would be expected to be able to be removed from the impaired list. A description and requirements of GGWRI projects can be found in the document titled Special Watershed Initiatives Under the Growing Greener Grants Program (Form # 1010-FM-GC0001h).

Growing Greener Threatened Special Protection Waters and Healthy Watersheds Initiative (GGHWI) – The GGHWI continues as a special watershed consideration. The Department is interested in funding projects directed at curtailing threats that are projected to lessen the integrity of a healthy waterbody or watershed. The goal is to protect healthy, intact aquatic ecosystems and watersheds and prevent their environmental degradation from impending circumstances. The project will NOT be a traditional restoration project and restoration will likely not even be a component of the project. GGHWI aims to avoid rather than treat a problem. A description and requirements of GGHWI projects can be found in the document titled Special Watershed Initiatives Under the Growing Greener Grants Program (Form # 1010-FM-GC0001h).

Task and Deliverable Budget Worksheet – Please complete a "Task and Deliverable Budget Worksheet" (Form # 1010-FM-GC0001e) for each deliverable and include estimated completion dates for each deliverable.

Right-To-Know – DEP’s amended “Public Access to Information and Right-to-Know Law Policy” clarifies the existing records management procedures of DEP in order to fulfill obligations under the Pennsylvania Right-to-Know Law as amended by Act 3 of 2008. The policy informs the public how to obtain DEP records. The policy can be viewed at: www.dep.pa.gov. Search the site for “Public Records” and then click on “Right-To-Know Procedure” to access “Public Access to Information and Right-to-Know Law Policy”.

Data Management – Any GIS data or electronic databases produced as a result of the grant must be provided to DEP without restrictions. Grantees are also required to submit data, information and document deliverables in a format consistent with DEP’s established funding program guidelines to support the tracking of program accomplishments. All of these submittals must be done in accordance with DEP’s “Guidance for Data Management” policy. The policy can be viewed at: www.dep.pa.gov/growinggreener. Click on “Help for Grant Recipients” under the “Related Documents” section on the right, then click on the “Guidance for Data Management” link under “General Grant Documents” section.



**GROWING GREENER PLUS
GRANT APPLICATION
YEAR 19 - 2017**

For DEP use only:

1. **Short Title:** _____

2. **Applicant/Sponsor Information:**

APPLICANT

SPONSOR (Only if different from Applicant)

Organization: _____ Organization: _____
Street: _____ Street: _____

City/State/(9 Digit) Zip: _____

City/State/(9 Digit) Zip: _____

Contact: _____ Contact: _____

Tel: () - Fax: () - Tel: () - Fax: () -

E-Mail: _____ E-Mail: _____

Federal Employer ID #/SAP Vendor # _____ Federal Employer ID #/SAP Vendor # _____

3. **Type of Organization:**

- | | |
|---|--|
| <input type="checkbox"/> School District / School | <input type="checkbox"/> Municipal Authority |
| <input type="checkbox"/> Conservation District | <input type="checkbox"/> Incorporated Watershed Association |
| <input type="checkbox"/> Council of Governments | <input type="checkbox"/> Incorporated Non-profit Organization |
| <input type="checkbox"/> County or Municipality | 501(c)(3) status? Yes <input type="checkbox"/> No <input type="checkbox"/> |
| <input type="checkbox"/> Educational Institution (Not eligible for SMCRA Bond Forfeiture and AMD Set-Aside) | PA Charitable Organization status? Yes <input type="checkbox"/> No <input type="checkbox"/> Exempt <input type="checkbox"/>
<small>(must provide proof)</small> |

4. **Project Location:**

County(ies): _____ Municipality(ies): _____

(Include marked Location Map, a Site Map, and an aerial photo with the project limits clearly marked on all three maps. Refer to form 1010-FM-GC0001f for further description of these required maps.)

Latitude: _____ Longitude: _____ Percent of Project in the Chesapeake Bay Watershed: _____

5. **Application/Project Category:**

Watershed Protection Grants (Growing Greener)
(check only one)

Section 319 Nonpoint Source Grants

j. 319 NPS Project

- a. Develop a watershed plan
- b. Education/outreach
- c. Design and/or construction
- d. Operation, maintenance and replacement
- e. Technical Assistance
- f. Evaluation, Assessment or Monitoring Tools
- g. Watershed group organization/support
- h. Watershed Renaissance Initiative
- i. Healthy Watersheds Initiative

Surface Mining Conservation and Reclamation Act (SMCRA)

- k. SMCRA Grants (Bond Forfeiture)
- l. AMD Set-Aside Grants

6. Name of the DEP Regional Watershed Manager, Mining staff or Office of Water Resources Planning staff person with whom you consulted about the proposed project (see the DEP Contacts Information document # 1010-FM-GC0001I): _____

7. **Budget Summary:** (Must be consistent with attached DEP Task and Deliverable Budget Worksheet forms – do not include cents; round to the nearest dollar.)

Category	Grant Request	+	Match (15% minimum)	=	Project Cost
Salaries/Benefits		+		=	
Travel		+		=	
Equipment and Supplies		+		=	
Administration (grant max 5%)		+		=	
Contractual		+		=	
Construction		+		=	
Other		+		=	
Total for each column:		+		=	

8. Are you willing to accept federal funding for this project? Yes No
9. Will your project be conducted on land you either own or control? Yes No
10. Will your project be conducted on land owned by other Commonwealth agencies? Yes No
Have you contacted the appropriate agency? Yes No
If yes, identify the person and agency contacted: _____ Yes No
11. Will your project directly or indirectly preclude access to or use of any forested land for the practice of sustainable forestry? Yes No
12. Is this project consistent with local comprehensive land use plans and zoning ordinances under Acts 67 & 68 of 2000? Yes No N/A
13. Will your project address Commonwealth Investment Criteria? Yes No
If you answered "Yes" to #13, complete a and b below.

- | | Permanent Full-time | Permanent Part-time | Temporary Full-time | Temporary Part-time |
|---|---------------------|---------------------|---------------------|---------------------|
| 13a. Number of NEW jobs created by project | _____ | _____ | _____ | _____ |
| 13b. Number of jobs RETAINED resulting from project | _____ | _____ | _____ | _____ |
- 14a. Is your project located in an area designated as an Environmental Justice community? Yes No
- 14b. Is your project located in an Act 47 Financially Distressed Municipality? Yes No
15. State the chapter 93 designation for the receiving waters of your project (N/A for multiple unit projects). _____
16. State the Impairment Source(s), Impairment Causes(s), and Reach Code listed for the receiving waters of your project. (Applicants are encouraged to navigate to <http://data-padep-1.opendata.arcgis.com/> and use the 2016 Integrated Report App to secure this information).

Impairment Source	Impairment Cause	Reach Code (14 digit)

17. Briefly discuss how the proposed project intends to address the listed Impairment Sources and Causes. Please limit your response to 500 words or less.

18. **Project Eligibility and General Priority Identification.** See the documents relating to the Special Watershed Initiatives (1010-FM-GC0001h), Growing Greener Priorities Outside of the Bay Watershed (1010-FM-GC0001i) and AMD Prioritizations (1010-FM-GC0001j) if applicable. With respect to the above referenced forms, list any criteria met or satisfied by the proposed project:

19. **Regional Priority Activity and Watershed Identification for Growing Greener and Section 319 Nonpoint Source Applications.** See the documents relating to the Special Watershed Initiatives (1010-FM-GC0001h), Growing Greener Priorities Outside of the Bay Watershed (1010-FM-GC0001i) and EPA Section 319 Priorities (1010-FM-GC0001k) if applicable. With respect to the above referenced forms, list any criteria met or satisfied by the proposed project:

20. **Mining Program Priorities for SMCRA Bond Forfeiture and AMD Set-Aside Grants.** See the document titled Abandoned Mine Drainage (AMD) Prioritization Activities and Watersheds (1010-FM-GC0001j) if applicable. With respect to the above referenced forms, list any criteria met or satisfied by the proposed project:

21. **Project Executive Summary:** (Please limit to 2,000 words)

21. **Project Executive Summary** (continued): (Please limit to 2,000 words)

ATTACH THE APPLICATION CHECKLIST AND THE REQUIRED ATTACHMENTS

CERTIFICATION AND SIGNATURE OF APPLICANT (REQUIRED) AND SPONSOR (IF APPLICABLE)

Applicant: I certify that the information in this application is true and correct to the best of my knowledge.

_____		_____
Applicant Organization		Date
_____	_____	_____
Printed Name	Signature	Title

Sponsor: I certify that the information in this application is true and correct to the best of my knowledge. I certify that I am willing to accept responsibility for a grant on behalf of the applicant.

_____		_____
Sponsor Organization		Date
_____	_____	_____
Printed Name	Signature	Title

**SEE THE GROWING GREENER PLUS APPLICATION SUBMITTAL INSTRUCTIONS
(form # 1010-FM-GC0001c),**

DEADLINE FOR SUBMITTAL IS JULY 13, 2018



GROWING GREENER PLUS APPLICATION SUBMITTAL INSTRUCTIONS

The application is required to be submitted as follows:

A full color PDF of the complete application package must be uploaded to eGrants no later than July 13, 2018.

One copy must be sent directly to the county conservation district where the project is located. If the project is located in multiple counties, contact your DEP watershed manager through your DEP regional office to determine the appropriate conservation district.

Late submissions will not be considered. Faxes and emails will not be accepted. Any additional materials submitted after the submission deadline will not be accepted.

Applications submitted by ineligible applicants or ineligible sponsors (in the event a sponsor is identified) will not be considered.

For Instructions on how to apply using eGrants, visit DEP's Growing Greener web page at: <http://www.dep.pa.gov/Citizens/GrantsLoansRebates/Growing-Greener/Pages/default.aspx>

For assistance with the eGrants system, please contact Department of Community and Economic Development Customer Service.

Customer Service

1-800-379-7448

M-F 8:30 – 5:00

ra-dcedcs@pa.gov (<mailto:ra-dcedcs@pa.gov>)

IF YOUR PROJECT GETS FUNDED...

- A formal grant agreement with DEP will be developed that includes a scope of work, budget and terms and conditions.
- The project must be completed by December 31, 2021, if funded by Growing Greener and June 30, 2021, if funded through Section 319.
- Surface Mining Conservation and Reclamation Act (SMCRA) Bond Forfeiture and AMD Set-Aside projects must be completed by the date specified in the grant agreement.
- Reimbursement will only be for project costs authorized in the budget and scope of work and incurred within the grant period of performance.
- An application for reimbursement package must be submitted quarterly. This package will consist of an application for reimbursement AFR, an application for reimbursement supplemental sheet (AFR-Supplemental) and a work progress report WPR outlining progress made throughout the quarter. The AFR package will be required quarterly following the schedule outlined below or more frequently if authorized by DEP. Delinquent activities reports may be rejected. The activities report submission schedule is as follows:

Quarter #	Reporting Period	Submission Deadline (on or about)
1	January – March	April 15
2	April – June	July 15
3	July – September	October 15
4	October – December	January 15

- A detailed plan that identifies the operational, maintenance & repair/replacement (OM&R) needs, responsible parties and established financial resources is required to be provided to the DEP project advisor before any reimbursable work is begun for all construction projects designed to treat AMD pollution. Long-term project repair/replacement must also be addressed in the OM&R plan, including: responsible parties, anticipated cost, and an estimated schedule for when repair and replacement is expected.
- Best management practice (BMP) verifications and reporting must be made to DEP once every 5 years or as stipulated in contract documents to satisfy federally approved verification and reporting protocols for specified BMPs constructed in the Chesapeake Bay Watershed. This verification and reporting requirement commences with the completion of the project and will be expected of grantees to ensure project integrity throughout its expected lifespan.
- If the project involves design and/or construction or OM&R and the grantee does not own or control the land where the project is to occur, a signed landowner – grantee agreement (LGA) must be received and approved by DEP before any reimbursable work commences on the project. If the grantee owns/controls the land, grantee landowner conditions (GLCs) will be made part of the grant agreement. Both the LGA and GLCs will include an OM&R Plan identifying maintenance tasks and responsible parties ensuring that the conservation practice/best management practice is properly maintained throughout the lifespan of the practice.

If the landowner is known at the time of application, the applicant must provide a landowner Letter of commitment or an executed LGA with the application. Once an award is made, the grantee must provide the executed LGA along with their signed grant documents if not included in the original application or indicate in the scope of work that it will be provided prior to commencement of work.

If the landowner is not known at the time of application submittal, this should be identified by the applicant. If an award is made, the grantee must indicate in the scope of work that the LGA will be provided prior to commencement of work.

Work on lands owned by DCNR will require an activities agreement (AA); the AA serves in lieu of a LGA and must be submitted in accordance with LGA submittal requirements described above.

- Current letters of commitment from project partners for match funding identified in the application budget must be provided at the time the grant agreement with DEP is developed. The letters of commitment must identify the dollar amount to be provided by the entity, the work that they are intending to do or what the funding is to go toward, and how they arrive at the dollar amount. Any match identified as "applied for" in the application must be secured and a letter of commitment must be provided when the grant agreement is developed. A grant agreement will not be executed for projects with "applied for" match or for projects where match cannot be appropriately documented at the time of grant agreement development.
- Any nutrient reduction credits realized from the Commonwealth-funded portion of the project, and recognized by DEP are the property of the Commonwealth, which maintains full ownership thereof. The grantee recognizes and releases all rights, claims, title or ownership to the nutrient reduction credits that are generated as a result of the Commonwealth-funded portion of the work specified in the grant agreement, for the time period covered by the GLCs or the LGA as applicable.
- Any aquatic resource compensation credits, including but not limited to wetland, waterway, aquatic habitat, floodplain or riparian credits, realized from the Commonwealth-funded portion of the project, and recognized by DEP, are the property of the Commonwealth, which maintains full ownership thereof. The grantee recognizes and releases all rights, claims, title or ownership to the aquatic resource compensation credits, in perpetuity, that are generated as a result of the Commonwealth-funded portion of the work specified in the grant agreement.
- Any GIS data or electronic databases produced as a result of the grant must be provided to DEP without restrictions in accordance with its "Guidance for Data Management" Policy and be so noted in the scope of work.
- Lab analysis done under the grant must be provided by a state-certified lab. Water quality testing activities funded under a Section 319 grant must follow an EPA-approved quality assurance project plan (QAPP) and the data must be provided to DEP for inclusion in the appropriate EPA database.
- For any construction of AMD passive treatment systems, grantees will be required to include with the final report one digital copy of the AMDTreat form, the OM&R Plan that includes the "as-built" drawings and site schematics in PDF format, and any water quality information in Excel format.

GROWING GREENER

Eligible Applicants

Eligible applicants must meet one of the following criteria or obtain a sponsor that meets one of the following criteria:

- Incorporated watershed association
- County or municipality
- County conservation district
- Council of governments; or
- Other authorized organization that is one of the following:
 - A tax-exempt corporation under Section 501(c)(3) of the Internal Revenue Code and registered with the Pennsylvania Bureau of Charitable Organizations. **If an applicant/sponsor is claiming an exemption from registering with the Bureau of Charitable Organizations, the applicant/sponsor must provide proof of such exemption with the application. Conservation commissions or foundations created by state or federal legislation or action are exempt from the incorporation requirement.**
 - an educational institution
 - a municipal authority

Note: Applications submitted by ineligible applicants or ineligible sponsors (in the event a sponsor is identified) will not be considered.

Project Eligibility Criteria

The Growing Greener program will be providing an increased emphasis on supporting project implementation within the Chesapeake Bay Watershed, such that projects within the Chesapeake Bay Watershed will be prioritized for their ability to address pollutants of critical importance to the Bay restoration effort. The eligibility criteria for the Growing Greener Grants is divided into two sections, one dedicated for projects that will occur within the Bay Watershed, and one dedicated for projects located in the Delaware, Ohio and other major basins outside of the Chesapeake Bay Watershed.

Projects within the Chesapeake Bay Watershed:

Project support within the Chesapeake Bay Watershed will focus on those activities that meet the following specific eligibility criteria:

- Projects that address nonpoint source pollution loadings coming from agricultural, stream degradation, abandoned mine drainage, and urban runoff.
- Projects that directly address sources of impairment specific to the receiving waterbody of the project as those sources of impairment are listed in the Integrated Report List.
- Projects implementing any of the following BMPs:
 - Riparian forest buffers
 - Streambank stabilization
 - Floodplain restoration on un-forested riparian lands
 - Streamside exclusionary fencing systems
 - Wetland creation/restoration/enhancement
 - Erosion and nutrient control practices on cropland, hayland and pastureland
 - Heavy use area protection
 - Animal waste storage systems
 - Manure treatment systems that address local or regional nutrient excess

- Urban/residential stormwater volume reduction/infiltration
- Urban/residential stormwater reuse
- Ag E&S, nutrient, and manure management planning
- Projects that provide for the collection and reporting of comprehensive BMP tracking and verification data, where the information meets the necessary criteria allowing it to be accepted for inclusion in the Bay model.
- The Department has developed two special watershed initiatives to further support its efforts on protecting and improving water quality. These special program initiatives are the Healthy Waters Initiative and the Renaissance Initiative. These initiatives address restoration and protection on a watershed scale.
- In addition to projects addressing an individual site for improvement, DEP will accept projects funding regional initiatives to enhance local watershed restoration and protection over a wider area where the need for such a project and the ability of the applicant to administer the program successfully is thoroughly demonstrated in the application.
- DEP will focus funding on regional initiatives that demonstrate the ability to enhance local watershed restoration and protection over a wider area where the ability of the applicant to administer the program successfully is clearly documented.

Projects meeting the criteria outlined above and which provide a reasonable expectation for a significant pollutant load reduction specific to the source(s) of impairment of the receiving waters in a cost-effective manner, will receive preference for funding within the Chesapeake Bay.

Projects Within the Ohio, Allegheny, Monongahela, Genesee, and Delaware River Basins:

DEP has established Growing Greener Priorities for watershed protection grants for activities proposed to occur in the major river basins of Pennsylvania, not including the Chesapeake Bay Watershed, to further define the types of projects most relevant to water resource protection and restoration efforts in those areas. Projects addressing these identified priorities will receive preference for funding (Form # 1010-FM-GC0001i).

Project support for activities outside the Bay basin must meet the following eligibility criteria, with preference given to those projects meeting the prioritization criteria outlined in the document titled Growing Greener Priorities for Watershed Protection Grants Outside the Bay Basin (Form # 1010-FM-GC0001i):

- Projects that will improve water quality on impaired watersheds including those polluted by agriculture, urban runoff, stream channel degradation, and AMD.
- Projects in non-impaired watersheds, where the watershed is threatened to become impaired due to nonpoint sources.
- Projects in special protection watersheds, where the watershed is threatened to become impaired.

DEP has developed two special watershed initiatives to further support its efforts on protecting and improving water quality. These special program initiatives are the Healthy Waters Initiative and the Renaissance Initiative (Form #1010-FM-GC0001h).

In addition to projects addressing an individual site for improvement, DEP will accept projects funding regional or statewide initiatives to enhance local watershed restoration and protection over a wider area where the need for such a project and the ability of the applicant to administer the program successfully is thoroughly demonstrated in the application.

Additional considerations for all Growing Greener applications

- Preference will be given to applicants proposing projects that address the Commonwealth Investment Criteria that increase job opportunities and foster sustainable businesses.
- Preference will be given to applicants proposing projects in designated environmental justice communities.
- Preference will be given to projects proposed in approved Act 47 financially distressed municipalities.
- Preference will be given to projects proposing to continue watershed based plan implementation.

- Preference will be given to projects proposed to accomplish or comply with minimum control measures (MCMs) in regulated municipal separate storm sewer system (MS4) communities.

Technical guidance is available to assist applicants in developing riparian forest buffer projects through DEP's Riparian Forest Buffer Technical Guidance (Document# 394-5600-001). Additional information is available through the Department of Conservation and Natural Resources (DCNR) who has developed a new and innovative riparian forest buffer program that provides funding to install buffers that involve products that can be harvested such as nuts, berries, wood floral's, forbs, and potentially woody biomass. Information on DCNR's Multifunctional Buffer Program can be found on DCNR's website at www.dcnr.state.pa.us/forestry/yourwoods/streambuffers/index.htm.

EPA SECTION 319 NONPOINT SOURCE GRANT

DEP receives Section 319(h) Nonpoint Source (NPS) grant funds from the U.S. Environmental Protection Agency (EPA) each year to implement Pennsylvania's approved Nonpoint Source Management Program (NPS Program).

Eligible Applicants

Eligible applicants must meet one of the following criteria or obtain a sponsor that meets one of the criteria:

- Incorporated watershed association
- County or municipality
- County conservation district
- Council of governments; or
- Other authorized organization that is one of the following:
 - A tax-exempt corporation under Section 501(c)(3) of the Internal Revenue Code and registered with the Pennsylvania Bureau of Charitable Organizations. **If an applicant/sponsor is claiming an exemption from registering with the Bureau of Charitable Organizations, the applicant/sponsor must provide proof of such exemption with the application.**
 - An educational institution
 - A municipal authority

Note: Applications submitted by ineligible applicants or ineligible sponsors (in the event a sponsor is identified) will not be considered.

Project Eligibility Criteria (Priorities)

- First priority will be given to applications that propose to address nonpoint source pollution originating from agriculture, stormwater runoff, stream channel degradation, and AMD where the proposed project is identified in a Section 319 Watershed Implementation Plan (WIP).
- Preference will be given to those projects that most effectively address the impairments of concern in an approved WIP in a cost-effective way. A listing of the watersheds with an approved WIP can be found on Form # 1010-FM-GC0001k; copies of the WIPs can be viewed at www.dep.pa.gov/nonpointsource.
- Second priority – If funds remain after funding projects within 319 WIP watersheds, applications that implement projects that address nonpoint sources of pollution to restore or protect water quality on a statewide or regional basis may be considered.

EPA's Section 319 grants cannot fund any projects or activities that are part of the National Pollution Discharge Elimination System (NPDES) program such as Concentrated Animal Feeding Operations (CAFOs) or Municipal Separate Storm Sewer Systems (MS4s) and cannot provide funding for activities on any farms that are not covered by a manure management plan or nutrient management plan.

If you have any questions concerning Section 319 grants and activities identified in 319 approved WIPs, please contact:

**Pennsylvania Department of Environmental Protection
Planning and Conservation Division
Box 8555
Harrisburg, PA 17105-8555
Phone: 717-772-5642**

Do not contact DEP District Mining Office staff for 319 mining projects.

SURFACE MINING CONSERVATION AND RECLAMATION ACT (SMCRA) GRANTS (BOND FORFEITURE)

Section 18(j) of the Surface Mining Conservation and Reclamation Act (SMCRA) allows DEP to award grants to municipalities, municipal authorities and appropriate incorporated nonprofit organizations from the SMCRA Fund. This includes SMCRA bond forfeiture grants.

Eligible applicants

Eligible applicants must meet one of the following criteria or obtain a sponsor that meets one of the criteria:

- County or municipality
- County conservation district
- Council of governments
- Municipal authority
- School district
- Other appropriate incorporated non-profit organization including the following:
 - Incorporated watershed association
 - Entity whose mission it is to further the protection, enhancement, conservation or preservation of the Commonwealth's environmental resources

Note: Applications submitted by ineligible applicants or ineligible sponsors (in the event a sponsor is identified) will not be considered.

Eligible Projects

Projects eligible for grants under this grant program are limited to the sites that fit the definition of "ABS Legacy Sites" (bond forfeiture sites) in 25 Pa Code §86.1 (mine sites permitted and bonded from July 31, 1982, to August 4, 2001, under the Alternated Bond System (ABS) where bonds have been forfeited).

Applicants must contact the local district mining office staff (Form # 1010-FM-GC0001I) to identify which ABS legacy bond forfeiture sites need remediation.

The primary focus of this grant program is the design, construction and/or rehabilitation of treatment facilities on ABS Legacy AMD discharge sites, but grants may also be awarded for ABS bond forfeited land reclamation projects. Projects most likely to significantly address the impacts of AMD discharges in a cost-effective way will receive preference for funding.

Letters of Commitment

If the project involves design and/or construction, the applicant must provide a SMCRA landowner letter of commitment or a consent of landowner to right of entry for study and design of mine reclamation project or a consent to right of entry for design and study and for construction, operation and maintenance of mine drainage treatment facility (ROE) with the application. Once an award is made, the grantee must provide the executed ROE with grant documents if not included in the original application or indicate in the scope of work that it will be provided prior to commencement of work.

Insurance Requirements

In the event a SMCRA bond forfeiture grant is awarded, the applicant shall require its subcontractors to purchase and maintain at their expense the following types of insurance, issued by companies licensed to do business in the Commonwealth or in jurisdictions with similar regulatory requirements:

- A. Worker's compensation insurance sufficient to cover all the employees of the subcontractor working to fulfill the grant agreement.
- B. Comprehensive general liability insurance, including bodily injury and property damage insurance, to protect the Commonwealth, the applicant and subcontractor from claims arising out of the performance of the grant activities. The amount of bodily injury insurance shall not be less than \$1,000,000 for injury to or death of

persons in a single occurrence. The amount of property damage insurance shall not be less than \$500,000 per occurrence of property damage.

- C. Automotive liability insurance, including bodily injury and property damage insurance, to protect the Commonwealth, applicant and subcontractor from claims arising out of the performance of the grant activities. The amount of bodily injury insurance shall not be less than \$1,000,000 for injury to or death of persons in a single occurrence. The amount of property damage insurance shall not be less than \$500,000 per occurrence of property damage.

Required insurances shall include as named insured's property owners in the project area from whom consents for right of entry have been obtained. Such coverage shall be required unless coverage for lesser amounts is deemed sufficient and approved in writing by DEP. In any event, prior to commencing work under any grant, the grantee will be required to provide to the Commonwealth certificates of insurance from its subcontractors.

If you have any questions concerning SMCRA Grants please contact DEP district mining office staff for the district in which the site is located.

AMD SET-ASIDE GRANTS

Section 18(j) of the Surface Mining Conservation and Reclamation Act (SMCRA) allows the Department to award grants to municipalities, municipal authorities and appropriate nonprofit organizations from the SMCRA Fund. This includes AMD Set-Aside grants.

Eligible Applicants

Eligible applicants must meet one of the following criteria or obtain a sponsor that meets one of the criteria:

- County or municipality
- County conservation district
- Council of governments
- Municipal authority
- School district
- Other appropriate incorporated non-profit organization including the following:
 - Incorporated watershed association
 - Entity whose mission it is to further the protection, enhancement, conservation or preservation of the Commonwealth's environmental resources

Note: Applications submitted by ineligible applicants or ineligible sponsors (in the event a sponsor is identified) will not be considered.

Eligible Projects

Projects eligible for grants under this grant program must be located in Qualified Hydrologic Units (QHUC) (formerly Hydrologic Unit Plans) or in areas where Qualified Hydrologic Units are being developed as defined by the federal SMCRA under the 2006 reauthorization (Form # 1010-FM-GC0001j).

The primary focus of the grants is abatement of AMD and/or treatment of AMD through treatment facility system construction. Grants may also be awarded for the design of treatment systems, or the operation and maintenance of existing passive and active treatment systems. Priority will be given to projects supportive of goals established in the appropriate QHUC.

The selection of projects will closely follow the AMD Set-Aside Guidelines developed in 2015 (Document # 106321/370-5500-001), particularly with regard to costs versus benefits, treatment system selection, and assurance of long-term (approximately 25 years) operation and maintenance of the treatment facility. Proposed passive treatment systems that would treat discharges that fall under the "high risk" category in Table 1 (risk analysis matrix for category (4) passive treatment systems) in the Set-Aside guidelines will not be funded in most circumstances. Assurance of long-term operation and maintenance is acceptable if it identifies a schedule of monitoring and maintenance as well as the responsible party. Relying on future state funding is unacceptable as assurance for routine monitoring and maintenance.

If you have any questions concerning Set-Aside Grants, please contact the following DEP staff:

Bituminous Region

Dave Leiford
Cambria Office
814-472-1886

Anthracite Region

Todd Wood
Wilkes-Barre Office
570-830-3171

GROWING GREENER PLUS APPLICATION FORM LINE-BY-LINE INSTRUCTIONS

(Applies to all grants unless noted otherwise)

The application document and attachments will be uploaded into the eGrants System

1. Short Title

Provide a short, descriptive title for your project. The title should be five words or less and clearly communicate project type, e.g. Orange Creek AMD Treatment System, Muddy Run Stream Bank Stabilization.

2. Applicant/Sponsor Information

To be a grantee, the applicant must meet one of the below bulleted criteria. Otherwise, the applicant must partner with a sponsor that meets one of the following criteria to act as grantee on the applicant's behalf. When a sponsor is used, the sponsor is the entity that enters into the grant agreement and is responsible for all aspects of the project, including payment for work performed. Use the applicant organization's/sponsor's legal name.

- Watershed organization recognized by DEP that promotes local watershed conservation efforts (organization must be incorporated);

For information on incorporating, contact the Department of State, Corporation Bureau at 1-888-659-9962.

- County or municipality (borough, township, etc.);
- County conservation district;
- Council of governments; or
- Other authorized organization involved in research, restoration, rehabilitation, planning, acquisition, development, education or other activities, that furthers the protection, enhancement, conservation, preservation or enjoyment of Pennsylvania's environmental, conservation, recreation or similar resources.

The organization must be:

- A tax-exempt corporation under Section 501(c)(3) of the Internal Revenue Code and registered with the Pennsylvania Bureau of Charitable Organizations. **If an applicant/sponsor is claiming an exemption from registering with the Bureau of Charitable Organizations, the applicant/sponsor must provide proof of such exemption with the application. Conservation commissions or foundations created by state or federal legislation or action are exempt from the incorporation requirement.**

For information on becoming a 501(c)(3) organization and assorted requirements, contact the Internal Revenue Service at 1-877-829-5500 or go to their website at www.irs.gov/charities/charitable/index.html.

For information on registering with the Bureau of Charitable Organizations, contact the Department of State, Bureau of Charitable Organizations, 207 North Office Bldg., Harrisburg, PA 17120, phone: 1-800-732-0999.

NOTE: SMCRA Bond Forfeiture and AMD Set-Aside applicants are not required to be 501(c)(3) nor registered charitable organizations.

- An educational institution (only School Districts qualify for SMCRA Bond Forfeiture and AMD Set-Aside funding) involved in these authorized activities, or
- A municipal authority.

3. Type of Organization

If a sponsor is named, select the type of organization for the sponsor. If not, select the type of organization for the applicant.

4. Project Location

Enter the project location county(ies) and municipality(ies). If the project location is statewide, enter "All" in the county field and leave municipality(ies) blank. If the project location does not cover the entire state but does include a select watershed(s) or another regionally defined area, please identify all the counties in the area selected; no municipality identification is needed in this case.

You are required to submit three unique maps; a location map, a site map, and an aerial photo. The location map should be small scale (“zoomed out”) and show the location of your project from the nearest named population center. Prepare the map so that someone who is not familiar with this area would be able to use the location map to navigate from their current location to the location of the project. The site map should be large scale (“zoomed in”) and show details such as where to park to enter the site, locations of BMPs, existing civil and topographic features and the like. The aerial photo should be of sufficient scale to show the site or area of the project and ambient land use. Mapping is not required for statewide projects. A location map and aerial photo are required for regional projects; however, a site map is not required for regional projects spanning a complete watershed or other defined and vast project area.

Indicate what percent of the project will take place within the Chesapeake Bay Watershed. Projects that occur in less than 50% of the Bay will be considered non-Bay for scoring, ranking, and funding purposes.

5. Application/Project Category

Watershed Protection Grants (Includes Growing Greener and 319)

Eligible proposals will address: nonpoint source pollution through local, watershed-based planning; the implementation of watershed based plans; or the implementation of BMPs designed to work synergistically with previous restoration efforts implemented at the local, watershed-scale. Check only one of the categories (a) through (i). (DEP reserves the right to change the proposed project type designation if it believes the proposal does not sufficiently match the project type identified).

If the project is to be submitted for 319 funding:

Section 319 Nonpoint Source Grants

Check box (j) if the project is being submitted for Section 319 Nonpoint Source Grants consideration. Please note that projects submitted for this grant type need to be for projects implemented in one of the 36 approved 319 watershed implementation plan (WIP) watersheds listed in the document titled EPA Section 319 Nonpoint Source Priorities (Form # 1010-FM-GC0001k), or for statewide projects relevant to Section 319 funding.

Or if the project is to be submitted for SMCRA funding:

Surface Mining Conservation and Reclamation Act (SMCRA)

Check box (k) for projects submitted under the bond forfeiture program where the sites fit the definition of “ABS Legacy Sites” in 25 Pa Code §86.1 (*ABS Legacy Sites*—mine sites, permitted under the Primacy Alternate Bonding System, that have a postmining pollutional discharge where the operator has defaulted on its obligation to adequately treat the discharge and, either the bond posted for the site is insufficient to cover the cost of treating the discharge, or a trust to cover the costs of treating the discharge was not fully funded and is insufficient to cover the cost of treating the discharge). The applicant must contact the local mining watershed manager listed on Page 2 of the document titled Pennsylvania Department of Environmental Protection Contact Information (Form # 1010-FM-GC0001l) to identify which ABS legacy bond forfeiture sites need remediation work.

Check box (l) for projects submitted under the set-aside program where project sites are located in Qualified Hydrologic Units (QHUPs) as defined by the Federal SMCRA under the 2006 reauthorization. A map and list of these watersheds is located in the document titled Abandoned Mine Drainage (AMD) Prioritization Activities and Watersheds (Form # 1010-FM-GC0001j).

6. Discussion with DEP Staff

Applicants must contact the appropriate DEP staff prior to preparing a grant application. Staff contact information can be found in the document titled Pennsylvania Department of Environmental Protection Contact Information (Form 1010-FM-GC0001l).

- Regional watershed managers should be contacted for Growing Greener projects.
- Watershed support staff under the Planning and Conservation Division should be contacted for watershed protection projects that are statewide or affect multiple DEP regions.
- Watershed support staff under the Planning and Conservation Division should be contacted for any Section 319 project, including mining projects, located in approved WIPs.
- Staff at the Bureau of Abandoned Mine Reclamation should be contacted for any AMD Set-Aside projects.
- District mining office staff should only be contacted for bond forfeiture projects and no other project type.

Keep in mind that a site visit is recommended for most projects; therefore, contacting the appropriate DEP staff person **prior** to June 22, 2018, would be advantageous. DEP staff can provide technical assistance and administrative insight (Form # 1010-FM-GC0001f) for appropriate contact information. Applicants are strongly encouraged to contact their county conservation district when developing projects and preparing their grant application. The conservation district coordinates activities and resources at the local level and may be able to connect you with other groups interested in the same watershed. A draft application sent in advance to the conservation district may facilitate such communication. County conservation district watershed specialists are listed at www.dep.pa.gov/growinggreener - under related information, contacts.

7. Budget Summary and Task and Deliverable Budget Worksheet

Note: For AMD treatment projects, a detailed final plan that addresses the operation, maintenance & repair/replacement needs of the project is required to be submitted to DEP as a project deliverable prior to completing the project.

Budget Summary

Complete the "Task and Deliverable Budget Worksheet". This will be uploaded on the addendum tab of your eGrants Application.

Use the "Task and Deliverable Budget Worksheet" to complete Item 7, "Budget Summary", on the Application Form.

The dollar amounts for each of the categories in the Budget Summary must match those developed in the "Task and Deliverable Budget Worksheet". For assistance on budgets, see the Primer for Fitting Charges with Budget Categories at www.dep.pa.gov/growinggreener, click on "Help for Applicants", "Additional Application Information."

For Growing Greener and AMD Set-Aside projects, a 15% match of the grant request is required. Eligible match contributions will be permitted for up to **THREE YEARS** prior to the grant submittal deadline date through the life of the grant agreement as long as the eligible match expenditures are directly related to the project. Only cash and in-kind match funds already committed and reserved for the project can be included within the budget and deliverables worksheet. All *applied for* match dollars yet to be confirmed by the provider may be described in the project description section including an indication of their status for approval, understanding that these uncommitted match funds may not be authorized for inclusion when calculating the 15% match obligation. If the project is relying on *applied for* match funds to meet the 15% match obligation, please indicate this in the budget summary section of the task and deliverables worksheet and provide sufficient documentation and justification in the application package for DEP review staff to consider when assessing match for the project application.

Match contributions cannot include other DEP funding sources, DEP County Environmental Initiative funding or DEP in-kind services, including laboratory analysis.

You may provide additional budget information for reviewers to evaluate the project.

Section 319 Nonpoint Source and SMCRA grants do not have a match requirement, but any match provided will improve the competitiveness of the application. In the event of an award for an SMCRA project, the percent of match identified in the application will be required as part of the terms of the grant agreement entered into with DEP. All match must be expended within the grant period of performance.

The "Task and Deliverable Budget Worksheet" must be uploaded in eGrants.

Prevailing Wage

Please note that, if the grant project includes construction work where the total project cost is greater than \$25,000, the Act of August 15, 1961 (P.L. 987), as amended, known as the Pennsylvania Prevailing Wage Act (43 P.S. 165-1 *et seq.*) may apply. Construction is defined to mean public work projects including construction, reconstruction, demolition, alteration and/or repair work other than maintenance work. It is the responsibility of the applicant or sponsor to contact the PA Department of Labor and Industry, Bureau of Labor Law Compliance at 1-800-932-0665 for guidance.

8. Accepting Federal Funds

Only those applications with the "Yes" box checked will be considered for EPA Section 319 NPS and other potential federal funding including SMCRA Bond Forfeiture and AMD Set-Aside funding. By checking "Yes" you are agreeing to accept all conditions/restrictions of that funding source.

9. Projects on Grantee-Owned Lands

If the project is not located on land owned or controlled by the grantee, a landowner letter of commitment or landowner-grantee agreement is required to be submitted with the application for all design and/or construction and OM&R projects.

10. Projects on State-Owned Lands

If your project is located on land owned or controlled by the Commonwealth of Pennsylvania (not to include State or Commission owned roadways or transportation related right-of-ways (i.e., Bureau of Forestry, Bureau of State Parks, Pennsylvania Game Commission, Pennsylvania Fish & Boat Commission)), **you must contact the appropriate agency for landowner consent and submit a landowner letter of commitment with your application.** Following is contact information:

DCNR Bureau of Forestry: Ryan Szuch – 717-787-2980

DCNR Bureau of State Parks: Rachel Reese – 717-787-6674

Pennsylvania Game Commission: Mike DiMatteo – 717-787-4250, Ext. 3602

Pennsylvania Fish & Boat Commission: Bernie Kiesnoski – 814-359-5108

If your project is proposed to occur on a state-owned or commission-owned road or transportation related right-of-way, include in the project description a discussion on the steps that have been or will be taken to obtain a highway occupancy permit as required by the responsible entity and also include a discussion as to why Growing Greener funds are appropriate for use for the proposed project. The latter should acknowledge the roadway owner's responsibilities regarding design, implementation and maintenance of green infrastructure, stormwater management, and where applicable, MS-4 permit compliance.

11. Sustainable Forestry

The Environmental Stewardship and Watershed Protection Act requires that no monies shall be used for any purpose that, directly or indirectly, precludes access to or use of any forested land for the practice of sustainable forestry and commercial production of timber or other forest products. A "yes" answer to this question will disqualify the application.

12. Land Use Planning

Grant applications are evaluated for their consistency with DEP Policy for Consideration of Comprehensive Plans and Zoning Ordinances, Acts 67 and 68 of 2000. Grant applicants must complete and submit the appropriate form or letter(s) as identified in the Land Use Policy for projects involving Design and/or Construction, Technical Assistance or Developing a Watershed Plan.

The land use policy is available in "Help for Applicants" found at www.dep.pa.gov/growinggreener, click on Act 67 and 68 Land Use Planning.

The Land Use Planning Form and Multi-Municipal Planning Form are available at www.dep.pa.gov/growinggreener. General Questions about the Land Use Policy can be answered by contacting the DEP Office of Policy at 717-783-8727. Questions concerning project consistency with local land use regulations should be directed to your county planning agency.

13. Commonwealth Investment Criteria

The Commonwealth has established criteria to promote sustainable development. Check the "Yes" box if your project will:

INCREASE JOB OPPORTUNITIES. Retain and attract a diverse, educated workforce through the quality of economic opportunity and quality of life offered in Pennsylvania's varied communities. Integrate educational and job training opportunities for workers of all ages with the workforce needs of businesses. Invest in businesses that offer good paying, high quality jobs that are located near existing or planned water and sewer infrastructure, housing, existing workforce and transportation access (highway or transit).

FOSTER SUSTAINABLE BUSINESSES. Strengthen natural resource based businesses that use sustainable practices in energy production and use, agriculture, forestry, fisheries, recreation and tourism. Increase our supply of renewable energy. Reduce consumption of water, energy and materials to reduce foreign energy dependence. Lead by example: support conservation strategies, clean power and innovative industries. Construct and promote green buildings and infrastructure that use land, energy, water and materials efficiently. Support economic development that increases or replenishes knowledge-based employment, or builds on existing industry clusters.

Also, if you check "yes," please provide the number of anticipated NEW jobs created in the appropriate column under **13a** as a result of your project and the number of anticipated jobs that will be RETAINED as a result of your project under **13b** in the appropriate column. If you check "yes," please include an explanation in the workplan or application package.

Additional consideration will be given to your project if you check the "Yes" box.

14a. Environmental Justice

To see if your project is in an Environmental Justice Community (EJ), go to: www.dep.pa.gov/PublicParticipation/OfficeofEnvironmentalJustice, click on "PA Environmental Justice Areas". If you have questions regarding whether your project is located in an EJ or need additional information, please refer to the environmental advocate contact identified in the document titled Pennsylvania Department of Environmental Protection Contact Information (Form # 1010-FM-GC0001I).

If you check the "yes" box, additional consideration will be given to your project.

14b. Act 47 Financially Distressed Municipality Act

To see if your project is in a financially distressed municipality go to: www.newpa.com/local-government/act-47-financial-distress.

If you check the "yes" box, additional consideration will be given to your project.

15. The Chapter 93 designated use should be listed in the space provided. This information may be found by browsing www.pacode.com Pa. Code Title 25 Chapter 93 and starting with "water uses protected" as shown in the second column from the right.

16. The impairment source(s), impairment cause(s), and reach code should be listed in the table provided. This information may best be found by navigating to <http://data-padep-1.opendata.arcgis.com/> and accessing the 2016 Integrated Report App located at the bottom of the screen.

17. A short paragraph of not more than 500 words should be included discussing how the proposed project addresses the listed causes and sources of impairment. Stated another way, if the receiving waters are listed as having an impairment source of "urban runoff/storm sewers" with an impairment cause of "siltation" then the proposed project should address stormwater rate and volume, bank erosion or sediment discharge from roadways. If the applicant has questions regarding the use of the 2016 Integrated Report application, please contact the DEP regional watershed manager.

18. Project Eligibility and General Priority Identification:

Growing Greener projects proposed in the Chesapeake Bay Watershed:

For projects proposed to be implemented in the Chesapeake Bay Watershed, please describe how the project follows the project eligibility criteria outlined on Pages 4 and 5 of the submittal instructions (Form # 1010-FM-GC0001c).

Preference for funding will be given to projects addressing these criteria in a cost-effective manner and to projects where significant, modeled pollutant load reductions are anticipated.

Growing Greener projects proposed in the Ohio, Allegheny, Monogahela, Great Lakes, and Delaware River Basins:

For projects proposed to be implemented in major river basins throughout the Commonwealth excluding the Chesapeake Bay Watershed using Growing Greener funding, indicate how the project meets the project eligibility criteria outlined on Page 5 of the submitted instructions (Form # 1010-FM-GC0001c) as well as how the project addresses any of the general priority activities and any special program initiatives (Form # 1010-FM-GC0001h), Growing Greener Priorities Outside of the Bay Watershed (Form # 1010-FM-GC0001i) and for mining projects, the document relating to AMD Prioritizations (Form # 1010-FM-GC0001j).

Preference for funding will be given to projects addressing these criteria in a cost-effective manner and where significant, modeled pollutant load reductions are anticipated.

EPA Section 319 Nonpoint Source Grant projects:

For projects proposing to be funded using Section 319 Nonpoint Source Grant funds, describe how the project meets the project eligibility criteria outlined on Page 6 of the submittal instructions (Form # 1010-FM-GC0001c) and how the project supports the implementation of the EPA-approved WIP.

Preference in funding will be given to projects with a strong connection to implementing priority projects outlined in the WIP and where significant, modeled pollutant load reductions are anticipated.

SMCRA Bond Forfeiture Grant and AMD Set-Aside Grant projects:

For projects proposing to be funded under either of these SMCRA AMD remediation programs, describe how the project meets the project eligibility criteria outlined on Pages 8 through 10 of the submittal instructions (Form # 1010-FM-GC0001c) and whether the project meets any of the general priority activities outlined in the document relating to Growing Greener Priorities Outside of the Bay Watershed (Form # 1010-FM-GC0001i).

Preference for funding will be given to projects addressing these criteria in a cost-effective manner and where significant, modeled pollutant load reductions are anticipated.

19. Regional Priority Identification for Growing Greener and Section 319 Nonpoint Source Applications

Growing Greener project applications for projects in the Ohio, Allegheny, Monogahela, Great Lakes, and Delaware Basins:

DEP has identified targeted watersheds to focus project implementation efforts in an effort to gain significant and observable improvements in water quality. A listing of Growing Greener priority watersheds can be found by referencing the documents relating to Growing Greener priorities (Form # 1010-FM-GC0001i); for mining projects AMD prioritizations (Form # 1010-FM-GC0001j); and the document relating to EPA Section 319 Priorities (Form # 1010-FM-GC0001k). Please list the watershed in which the project is proposed to be implemented, and indicate whether or not that watershed is included in any of the priority watershed listings. Projects located in these priority watersheds will receive preference for funding. If the watershed in which the project is proposed is not listed, but a notable history of restoration work has occurred in the watershed, include in the workplan or application package a discussion of the history of restoration activities that have occurred in this watershed.

In addition, DEP has identified regional priority activities for Growing Greener projects, listed in the documents relating to Growing Greener priorities (Form # 1010-FM-GC0001i) and for mining projects, AMD prioritizations (Form # 1010-FM-GC0001j). Identify if the activities proposed in the Growing Greener project meet any of the regional priority activity criteria.

319 project applications:

For projects submitted for Section 319 Nonpoint Source grant consideration, verify that an EPA-approved WIP has been drafted for that watershed. The EPA-approved Section 319 WIP watersheds are listed in Form # 1010-FM-GC0001k.

20. Mining Program Priority Watersheds for SMCRA Bond Forfeiture and AMD Set-Aside Grants

DEP has identified specific priority watersheds relating to SMCRA grants that applicants should consider when developing project applications. Projects implemented in one of these priority watersheds will receive preference for funding. List the watershed where the project will be implemented and describe whether or not the watershed is a priority as indicated below. Priority watersheds for this funding are included in Abandoned Mine Drainage (AMD) Prioritization Activities and Watersheds (Form # 1010-FM-GC0001j) and Growing Greener Priorities For Watershed Protection Grants Outside the Bay Watershed (Form # 1010-FM-GC0001i).

21. Project Executive Summary

The executive summary should be a comprehensive but concise narrative that summarizes the project. The executive summary should not exceed 2,000 words. The executive summary should include the following information and/or answer the following questions: (1) what is the source and cause of the nonpoint source pollution; (2) how will the proposed project address that cause and source of pollution; and (3) what are the expected quantitative and qualitative environmental benefits resulting from this project (modeled pollutant load reductions should be included). For projects that do not propose to design or construct BMPs, a succinct discussion should be offered regarding other environmental benefits to be realized as a result of this project. Applicants are encouraged to discuss capacity building, the strengthening of partnerships, education of youth, funding amplification, and the ways in which the proposed project will lay the groundwork for future restoration activities.

**REQUIRED ATTACHMENTS WITH
ALL APPLICATIONS**

Detailed Project Description

The following format outline must be used for all applications (with the exception of Section 319 applications) to prepare a detailed but concise project description, generally between two to ten pages in length. Applicants applying for consideration for Section 319 funding must use the DEP Section 319(h) workplan template provided by staff in the Planning and Conservation Division (eligibility criteria referenced in a.1.b below apply). The document "Guidance for Specific Watershed Protection Project Types" available at www.dep.pa.gov/growinggreener under "Help for Applicants" should be used in developing the project description.

Please note the following while developing the project description:

- The project description should be written so that it is easily understood, concise, non-repetitive, and complete, with information included for each of the elements listed. Include a "not applicable" statement for areas in the outline that are not relevant to the project.
- Provide a visual description of the problem with photographs of the existing conditions at the site(s). Additionally, photographs showing examples of similar improvement or remediation techniques to those being proposed are helpful.

a. Statement of Environmental Need

1. Describe in concise detail how this project will address or support the following in relation to **improving water quality** or **remediating environmental degradation**:
 - a. For Growing Greener Projects within the Chesapeake Bay Watershed:
 - The Chesapeake Bay project eligibility criteria found on Pages 4 and 5 of the submittal instructions (Form # 1010-FM-GC0001c) for Growing Greener projects in the Bay Watershed.
 - b. For 319 NPS Projects:
 - The 319 eligible project criteria found on Page 6 of the submittal instructions (Form # 1010-FM-GC0001c).
 - c. For all other applications:
 - The eligible project criteria relevant to the particular grant type for which the project qualifies. Criteria for various types of other applications can be found in Forms # 1010-FM-GC0001c and h-k.
 - Existing local or regional needs.
2. Describe how this proposal supports or relates to a watershed restoration and/or protection plan or other coordinated community efforts.
 - Detail coordination efforts with other individuals, municipalities and/or organizations.
 - Describe if the project is a sub-element of a larger local or regional effort or on-going program.
 - Describe any subsequent actions or successive projects that are intended for a later time (a stage or phase of a project).

b. Justification of Funding

1. Explain why the project should be funded and how it fits into Pennsylvania's Nonpoint Source Management Program Update (DEP Document#3700-BK-DEP4490) and/or local watershed initiatives.

Any total maximum daily load (TMDL) plans that have been completed to address pollutants in the watershed should be listed (a list of TMDLs can be found at: www.ahs.dep.pa.gov/TMDL/).
2. Explain why Growing Greener/319/SMCRA is the most appropriate funding source for this project.
3. Document success of any past projects that form the foundation for supporting continuance of those efforts.

c. Match

Briefly describe each source of match (cash or in-kind service) provided by the individual, staff, or contractor listed on the task and deliverable budget worksheet. Describe the task to be performed and/or the item provided. Documentation of match should be provided in the form of a letter from each source or, if not available, an explanation of why this documentation is not available.

If any source of match has been "applied for" but not yet approved, please describe that funding source, what the request was, and the status of that request.

d. Proposed Scope of Work

The *Guidance for Specific Watershed Protection Project Types*, which is available at www.dep.pa.gov/growinggreener under "Help for Applicants", provides an outline of the topics that should be considered when writing the scope of work. Ensure that the scope of work addresses the following:

1. State the goal or purpose of the project.
2. List the project's expected environmental results; be as specific and quantifiable as possible. The scope of work must discuss how improvement will be measured (e.g. lbs of pollutant load reduced, pH change expected, feet of impaired stream restored, tons of sediment load reduced, etc).
3. Describe the project deliverables. These deliverables should relate directly to those activities outlined in the Task and Deliverable Budget Worksheet.
4. Include the type and amount of the various practices or activities planned to be implemented under the project.
5. Describe the landowner's interest in the completion of the project and provide reference to DEP's Landowner Letter of Commitment or Landowner-Grantee Agreement, which should be attached to the application.
6. Describe any special approvals or permits needed to complete the project.
7. Describe how any long-term operation and maintenance activities will be carried out and funded.
8. Provide an implementation schedule timeline for all significant tasks under the project, including a list of all parties who will be involved in completing the tasks.
9. Identify contractor involvement, contracting procedures and construction inspection provisions.

e. Contractor Provisions

Describe the process that will be used for selecting contractors.

Preference will be given to projects that use a competitive selection process such as requests for proposals (RFP) and/or competitive bidding. The selection process used is up to the applicant; but the intent is to encourage the most cost-effective and efficient use of funding without mandating unnecessary requirements to all applicants. Contractor involvement, contracting procedures and construction inspection provisions should be identified. Applicants choosing not to use a competitive selection process for contractors must provide adequate justification for not using a competitive process in their project description.

DEP encourages grant applicants and recipients to solicit and use small diverse businesses as prime contractors, and encourages all prime contractors to make a significant commitment to use small diverse businesses as subcontractors and suppliers.

A small diverse business is a Pennsylvania Department of General Services-verified minority-owned business, woman-owned business, veteran-owned business or service-disabled veteran-owned business.

A small business is a business which is independently owned, not dominant in its field of operation, employs no more than 100 full-time or full-time equivalent employees, and earns less than \$7 million in gross annual revenues for building design, \$20 million in gross annual revenues for sales and services and \$25 million in gross annual revenues for those businesses in the information technology sales or service business.

Questions regarding this Program can be directed to:

Department of General Services
Bureau of Small Business Opportunities (BSBO)
Room 611, North Office Building
Harrisburg, PA 17125
Phone: (717) 783-3119
Fax: (717) 787-7052
Email: gs-bso@pa.gov
Website: <http://www.dgs.pa.gov>

DEPs directory of BSBO-verified minority, women, veteran and service disabled veteran-owned businesses can be accessed from the Department of General Services website at www.dgs.pa.gov by searching for the term "diverse business directory". The federal vendor database can be accessed at <http://dsbs.sba.gov>.

f. Project Data Submission

Describe data that are expected to be collected during the implementation of the project and how that data will be provided to DEP in accordance with the following criteria:

Any GIS data or electronic databases produced as a result of the grant must be identified here and provided to DEP without restrictions by the conclusion of the project.

Grantees are required to submit data, information and applicable project deliverables. All of these submittals must be done in accordance with DEP's "Guidance for Data Management" policy. The policy can be viewed at www.dep.pa.gov/growinggreener, "Help for Applicants" under "Maps and Data."

All applications for design and/or construction of AMD treatment facilities must include the use of AMDTreat software for rough sizing and cost estimating. A printed report from AMDTreat must be included in the proposed scope of work. The AMDTreat software is available to the public on the Federal Office of Surface Mining website at <http://amd.osmre.gov/>.

For AMD remediation projects, the Western Pennsylvania Coalition for Abandoned Mine Reclamation (WPCAMR) or the Eastern Pennsylvania Coalition for Abandoned Mine Reclamation (EPCAMR) may be contacted for technical guidance. Coalition contacts are: WPCAMR, Andy McAllister, telephone 724-832-3625; EPCAMR, Robert Hughes, telephone 570-371-3523.

g. Commonwealth Investment Criteria and Environmental Justice

1. Describe, if applicable, how the project will result in increased job opportunities and how the project will foster sustainable businesses. Preference will be given to projects that address these investment criteria.
2. Preference will be given to applicants proposing projects in designated environmental justice communities (www.dep.pa.gov/PublicParticipation/OfficeofEnvironmentalJustice). If applicable, describe how this project will have a direct or indirect positive impact on an environmental justice community.

h. Equipment Disposition

Describe how property or equipment acquired with the grant will be disposed of or converted for continued grantee use.

Note: All equipment purchases revert to the Commonwealth unless a written request for conversion is received and approved prior to approval of the final report.

i. Conflict of Interest

Include a disclosure of any potential conflicts of interest relating to personal financial gains from the implementation of the proposed project.

ADDITIONAL ATTACHMENTS REQUIRED

One of the following forms **MAY** be required as an attachment to your application.

Landowner Authorization

- a. Landowner Access Authorization (required if the project involves only monitoring)

The applicant or sponsor organization shall obtain landowner authorization to access the property to perform the monitoring (Form # 1010-FM-GC0001o). **This is the only signed form allowed; no substitutions are permitted.**

- b. Landowner Letter of Commitment (required if the project involves design and/or installation/replacement of a conservation practice/best management practice).

A signed letter of commitment from the landowner(s) must be included in the application. If the project is located on land owned or controlled by the Commonwealth, contact the appropriate Commonwealth representative (Form # 1010-FM-GC0001f). The landowner letter of commitment is found on the DEP eLibrary (Form # 1010-FM-GC0001m). **This is the only signed form allowed; no substitutions are permitted.**

- c. Landowner Letter of Commitment (SMCRA) (required if the project involves design and/or construction on a bond forfeiture site). A signed letter of commitment from the landowner must be provided with the application. The SMCRA landowner letter of commitment is found on the DEP eLibrary (Form # 1010-FM-GC0001n). **This is the only signed form allowed; no substitutions are permitted.**



GROWING GREENER PLUS GRANT APPLICATION CHECKLIST FOR APPLICATION COMPLETENESS

(Complete and submit as the last page of the application package.)

Short Title:

Applicant/Sponsor:

APPLICATION

Check the appropriate box. Check the N/A Box if "Not Applicable".
Those designated with an asterisk (*) are required with all applications.

	Included	N/A	
*1.	<input type="checkbox"/>		The application is complete and signed by the applicant (and sponsor if applicable) for funding consideration.
*2.	<input type="checkbox"/>		Project location map in proper format.
3.	<input type="checkbox"/>		Project site map in proper format.
4.	<input type="checkbox"/>		Project aerial in proper format.
*5.	<input type="checkbox"/>		Completed task and deliverable budget worksheet for each deliverable.
*6.	<input type="checkbox"/>		Detailed project description.
7.	<input type="checkbox"/>	<input type="checkbox"/>	AMDTreat report (mining projects only).
8.	<input type="checkbox"/>	<input type="checkbox"/>	Signed landowner access authorization form (for monitoring projects only); not required for SMCRA grants (bond forfeiture).
9.	<input type="checkbox"/>	<input type="checkbox"/>	Signed letter of commitment or landowner form (for design/construction, OM&R projects only).
10.	<input type="checkbox"/>	<input type="checkbox"/>	Land use planning forms (for design/construction, technical assistance, developing a watershed plan projects only). A. Planning form (LPF) or approval letter B. Multi-municipal planning form or letters from the municipalities or planning offices

The following are optional items to include with the application:

- | | | | |
|-----|--------------------------|--------------------------|---|
| 11. | <input type="checkbox"/> | <input type="checkbox"/> | Current letters of commitment from project partners for identified match. |
| 12. | <input type="checkbox"/> | <input type="checkbox"/> | Consent of landowner to right of entry for study and design or for construction, operation and maintenance of a mine reclamation project or treatment facility (SMCRA bond forfeiture projects only). |

Application information must be uploaded & submitted no later than July 13. Hand-delivered applications will not be accepted. Late submissions will not be considered. All submissions must be made through eGrants. Any additional materials submitted after the submission deadline will not be accepted.

Applications submitted by ineligible applicants or ineligible sponsors (in the event a sponsor is identified) will not be considered.

Applications failing to demonstrate the required amount of match will not be considered.

Reminder: Applicants are encouraged to submit an additional copy of the application to the county conservation district where the project is located. Submittal method acceptable by the county conservation district is at the discretion of the district.

SPECIAL WATERSHED INITIATIVES UNDER THE GROWING GREENER GRANTS PROGRAM

Growing Greener Watershed Renaissance Initiative (GGWRI)

DEP is interested in funding the complete implementation of existing watershed restoration or implementation plans on small, priority watersheds listed as impaired on DEP's integrated report list. All impairments within the identified renaissance watershed must be addressed to the extent that upon completion, the total watershed would be expected to be able to be removed from the impaired list.

In addition to general Growing Greener application requirements, the application must clearly identify that it is for consideration under GGWRI and must describe and identify the following:

- the complete watershed area to be addressed and all impairments;
- prioritized BMP options and recommended approaches with specific locations for implementation;
- expected load reductions and results;
- a reasonable schedule for implementation including grant year and approximate dollar amount expected to be requested for the various grant years;
- partnership contributions toward implementation and how growing greener funding will complement those partnerships;
- documented assurance of long-term (20 year) operation and maintenance commitments addressing personnel and the cost of operation and maintenance of all BMPs installed;
- monitoring and evaluation plan covering 3 years following final practice implementation to track BMP pollutant removal effectiveness. The monitoring and evaluation plan must provide documentation of commitments of personnel and funding in order to carry out the plan.

The watershed must be of *manageable size* as to facilitate the full and complete implementation within a 7-year period. Generally, for most sources and causes of impairment, a manageably sized watershed is less than 10 square miles. For AMD impaired waters, a manageably sized watershed may be larger. The project may be funded in phases.

Growing Greener Healthy Watersheds Initiative (GGHWI)

DEP is interested in funding projects directed at curtailing threats that are projected to lessen the integrity of a healthy waterbody or watershed. The goal is to protect healthy, intact aquatic ecosystems and watersheds and prevent their environmental degradation from impending circumstances. The project will NOT be a traditional restoration project and restoration will likely not even be a component of the project. GGHWI aims to avoid rather than treat a problem.

GGHWI projects will use existing data for projecting the trend of a condition or demographic that can be correlated to some loss of integrity to a waterbody or watershed. Trends in factors that are shown to be headed toward a threshold that will degrade environmental integrity are to be used in planning and applying practices to curtail the factors causing potential future degradation. Projects should forecast and develop ways to keep the factors from crossing a described threshold of fate that would cause identifiable harm or negative impacts to a healthy, intact ecosystem.

Examples of conditions of concern include, but are not limited to, threats associated with changing land use, invasive species, a lack of green practices, non-sustainable development or other conditions that will reduce the environmental health or integrity of a waterbody if left unchecked.

BMPs and other project activities that are suitable for GGHWI project funding include but are not limited to:

- Municipal government education and outreach focused on protective zoning,
- Municipal government education and outreach focused on green infrastructure master planning/plan development,
- Municipal education and outreach focused on green infrastructure maintenance and or nonstructural BMP implementation (eg: no-mow zones, street sweeping, inlet marking, etc),
- Benthic habitat improvement to address decreasing index of biotic integrity (IBI) scores,
- In-stream habitat to improve overall faunal biomass,
- Invasive species removal,
- Contractor/developer education and outreach focused on green infrastructure concepts

- Long-term monitoring programs designed to verify the un-impaired status of the selected waterbody and identify trends toward impairment consistent with observed land-use changes.

Watersheds with a recognized important distinction (e.g., completed Source Water Protection Plan) or with an elevated designation (exceptional value (EV), high quality (HQ), Class A Wild Trout) or carrying another verified special classification, use, or intrinsic merit, will be given priority. However, any waterbody that is threatened or is harboring a threat to another healthy and intact ecosystem is a potential candidate. Additional consideration will be given to those projects and areas with demonstrated local interest and involvement in protection.

In addition to the general Growing Greener application requirements, the application must clearly identify that the proposal is intended for consideration under GGHWI and thoroughly describe and identify the following:

- the threat, the trend of the threat, and the threshold to be avoided, all of which must be supported with valid existing data or information.
- the watershed area under consideration and its qualifying designation or distinctions.
- the methods used to show that indicators of integrity are trending toward, and projected to go beyond, a reasonably established vulnerability point at a specific time.
- the proposed practices or activities that will curtail the threat of degradation and maintain or improve quality of life.
- a reasonable time schedule and activity schedule that includes planning and implementing practices.
- the method through which the project will inform and involve the public, officials, planners, and/or other stakeholders on findings and recommendations for continued sustainability of healthy waterbodies.

GROWING GREENER PRIORITY WATERSHEDS AND ACTIVITIES BY REGION

General Priority Activities

1. Construction of best management practices (BMPs) appropriate for the listed causes and sources of impairment in watersheds for which total maximum daily loads (TMDLs) have been developed.
2. Implementation of restoration, maintenance, and/or protection activities that are recommended in watershed-based plans that address sources of pollution of stream segments identified as impaired in the Integrated Report.
3. Projects implementing any of the following BMPs:
 - Riparian forest buffers
 - Streambank stabilization
 - Floodplain restoration on non-forested riparian lands
 - Streamside exclusionary fencing and offstream watering systems
 - Wetland creation/restoration/enhancement
 - Erosion and nutrient control practices on cropland, hayland and pastureland
 - Heavy use area protection
 - Animal waste storage systems
 - Manure treatment systems that address local or regional nutrient excess
 - Urban/residential stormwater reduction/infiltration
 - Urban/residential stormwater utilization
 - Aquatic habitat improvement
 - Abandoned mine drainage treatment
4. Projects that support municipal separate storm sewer system (MS4) communities implementing BMPs consistent with their stormwater or TMDL pollution reduction implementation plan.
5. Implementation of water quality improvement projects in environmental justice communities as those projects are implemented for the benefit of streams listed as impaired in the most recent Integrated Report.

Regional Watershed Priorities

Northwest Region

Priority Watersheds – Walnut Creek (Erie Co.), Stillwater Creek (Warren Co.), Upper West Creek (Elk Co.)

Priority Activities

- Planning and implementation activities that improve municipal stormwater management and address existing stormwater problems, such as multi-municipal service sharing, dedicated revenue generation, and increased programmatic capacity.
- Activities that reduce sediment and nutrient pollution by implementing agricultural and stormwater BMPs.
- Projects that improve water quality, aquatic habitats and recreational uses through implementing watershed-based plans and Greenways plans.
- Construction of targeted source and targeted pollutant-appropriate BMPs in TMDL priority watersheds (Form 1010-FM-GC0001k).

Northcentral Region

Priority Watersheds –Penns Creek Tribs (Centre Co.), Parks Run (Bradford Co.), Chilisquaque Creek (Montour and Northumberland Co.), Limestone Run (Montour and Northumberland Co.), North Fork Cowanesque River (Tioga and Potter Co.), Halfmoon Creek (Centre Co.)

Priority Activities

- Installation of BMPs, including nutrient management and soil conservation planning or other innovative approaches to produce nonpoint source pollution reductions of nutrients or sediment in an impaired watershed.
- Stormwater management implementation projects that provide significant reductions in stormwater and sediment to impaired receiving streams.
- Riparian corridor stabilization/restoration projects with emphasis on aquatic habitat improvement.
- Construction of Targeted Source and Targeted Pollutant appropriate BMPs in TMDL Priority Watersheds (Form 1010-FM-GC0001k).

Northeast Region

Priority Watersheds – Mahantango Creek (Schuylkill Co.), Nescopeck Creek (Luzerne County), Nesquehoning Creek (Carbon Co.), Equinunk Creek (Wayne Co.), Schuylkill River (Schuylkill Co.)

Priority Activities

- Projects that address the adverse impacts of flooding in priority watersheds by implementing BMPs that will maintain an open channel and create floodplains in natural areas to reduce the velocity of high water events and promote groundwater recharge.
- Installation and use of BMPs in agriculturally impaired areas that will result in non-point source pollution reductions of nutrients and/or sediment to the Chesapeake Bay.
- Installation of stormwater retrofits that will prevent further degradation in impaired watersheds.
- Construction of targeted source and targeted pollutant-appropriate BMPs in TMDL priority watersheds (Form 1010-FM-GC0001k).

Southwest Region

Priority Watersheds – Brown's Creek (Greene Co.), Ross Run (Indiana Co.), Turtle Creek (Westmoreland and Allegheny Co.), Beaver Run (Westmoreland Co.), Peter's Creek (Allegheny and Washington Co.), Slate Lick Run and Burgoon Run (Cambria Co).

Priority Activities

- Implementation of projects that result in sediment or nutrient pollution reductions in impaired stream segments.
- Implementation projects to retrofit existing stormwater systems by incorporating new BMPs or floodplain reconnection to improve stormwater management.
- Implementation projects derived from a priority watershed-based restoration plan or DEP-approved source water protection plan.
- Construction of targeted source and targeted pollutant-appropriate BMPs in TMDL priority watersheds (Form 1010-FM-GC0001k).

South-central Region

Priority Watersheds – Big Cove Creek (Fulton Co.), Saddler's Run (Huntingdon Co.), Parkway Creek (Dauphin Co.), Pequea Creek (Lancaster Co.)

Priority Activities

- Implementation of agricultural BMPs, including manure management and agricultural erosion and sediment control planning, to achieve compliance with existing agricultural water quality requirements.
- Installation of stormwater BMPs to reduce stormwater run-off, promote infiltration to groundwater, retrofit existing infrastructure and/or reduce sediment and nutrient pollution.
- Implementation of restoration activities that result in sediment or nutrient pollution reductions in impaired stream segments.
- Implementation of priority BMPs as listed in number 3 above in the counties of Lancaster and York.
- Construction of targeted source and targeted pollutant-appropriate BMPs in TMDL priority watersheds (Form 1010-FM-GC0001k).

Southeast Region

Priority Watersheds – French Creek (Chester Co.), Swamp Creek (Montgomery Co.), Chester Creek (Chester and Delaware Co.), Tookany/Tacony/Frankford Creek (Montgomery and Philadelphia Co.), Red Clay Creek (Chester Co.)

Priority Activities

- Projects to construct or enhance effective stormwater control measures in priority watersheds for retrofitting areas where land use itself is not changing.
- Riparian corridor restoration/stabilization projects with an emphasis on the improvement of water quality and aquatic habitat.
- Projects in priority watersheds that leverage support through one of the region's watershed partnership networks (examples: Schuylkill Action Network, Christina Basin Clean Water Partnership, Delaware River Restoration Fund, National Fish and Wildlife Foundation, William Penn Foundation).
- Construction of targeted source and targeted pollutant-appropriate BMPs in TMDL priority watersheds (Form 1010-FM-GC0001k).



ABANDONED MINE DRAINAGE (AMD) PRIORITIZATION ACTIVITIES AND WATERSHEDS

General Priority Activities:

- Completion of AMD abatement and treatment projects that will assist in meeting the restoration goals in watersheds where Hydrologic Unit Plans and Qualified Hydrologic Units have been established and in watersheds where Qualified Hydrologic Units are being actively developed.
- Projects that address maintenance needs and upgrades of existing AMD passive and active treatment systems where the failure to do so will result in loss of restored stream miles.
- Projects that will implement an existing watershed plan in an AMD impacted DEP priority watershed.
- Projects that will expand existing restoration plans for consideration as a Qualified Hydrologic Unit Plan.

Priority Watersheds:

Growing Greener project submissions:

- Little Conemaugh River (Cambria Co.),
- Black Creek (Carbon and Luzerne Co.),
- Schuylkill River (Headwaters to Schuylkill-Bucks Co. line.)
- Buck Mountain Creek (Carbon Co.)

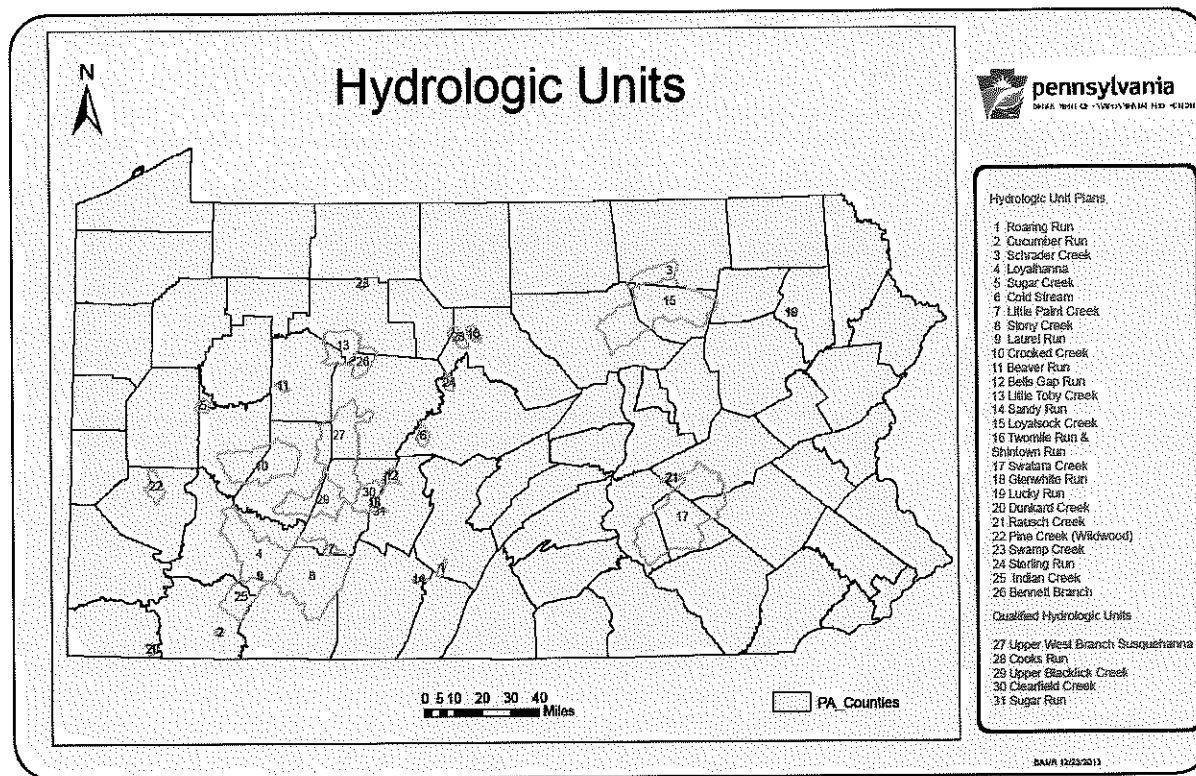
AMD Set-Aside project submissions:

Cambria District –

- West Branch Susquehanna River (headwaters to Emigh Run) (Cambria Co.),
- Sugar Run (Blair Co.),
- Clearfield Creek (headwaters to Brubaker Run) (Cambria Co.),
- Laurel Run (Westmoreland Co.),
- Stonycreek River (Beaverdam Creek to Paint Creek) (Somerset Co.)
- Chartiers Creek (from S. Fayette Twp. line downstream to Heidleburg) (Allegheny Co.)

Wilkes-Barre District –

- Schrader Creek (Bradford Co.),
- Rausch Creek (Schuylkill Co.),
- Swatara Creek (headwaters to the Schuylkill – Lebanon Co. line)
- Tioga River (Tioga and Bradford Co.)



Watersheds where a Qualified Hydrologic Unit is being developed (and therefore eligible for AMD Set-Aside funding):
 Lower Bennett Branch Sinnemahoning Creek.

Funding/project limitations

Growing Greener funding for AMD projects outside of 319, SMCRRA Bond Forfeiture and AMD Set-Aside grant areas is expected to be limited to a maximum of 15% of the total Growing Greener Plus allocation available.



DEPARTMENTAL SECTION 319 AND TMDL PRIORITY WATERSHEDS

Section 319 Watershed Implementation Plan Priority Watersheds

Applicants interested in funding through an existing Section 319 Watershed Implementation Plan (WIP) must contact Planning and Conservation Division staff prior to submitting a grant application package. It is strongly encouraged that only projects currently listed in an active WIP be considered for a grant request.

Watershed Implementation Plan

Abrahams Creek/Frances Slocum Lake
Anderson Creek
Bear Creek
Beaverdam Creek
Blacks Creek
Buffalo Creek
Catawissa Creek
Codus Creek
Conewago Creek
Conowingo Creek
Core Creek/Lake Luxembourg
Deer Creek
Hartshorn Run
Harveys Lake
Hubler Run
Hungry Run
Jacobs Creek
Johnson Creek
Little Laurel Run
Little Wiconisco Creek
Middle Spring Creek
Mill Creek
Mill Creek/Stephen Foster Lake
Montgomery Creek
North Branch Neshaminy Creek/Lake Galena
Pine Creek
Pine Run
Shoup Run
Six Mile Run/Sandy Run
South Branch Plum Creek
South Sandy Creek
Trout Run/Godfrey Run
Upper Kishacoquillas Creek
Upper Schuylkill River
Upper Swatara Creek
West Branch Antietam Creek

County

Luzerne
Clearfield
Dauphin
Adams
Butler
Union
Columbia/Schuylkill
York
Dauphin/Lancaster/Lebanon
Lancaster
Bucks
Clearfield
Clearfield
Luzerne
Clearfield
Mifflin
Fayette/Westmoreland
Tioga
Cambria
Dauphin
Cumberland/Franklin
Lancaster
Bradford
Clearfield
Bucks
Allegheny
Armstrong/Jefferson
Huntingdon
Bedford
Armstrong/Indiana
Mercer/Venango
Erie
Mifflin
Schuylkill
Schuylkill
Franklin

WIPs can be viewed at: www.dep.pa.gov/nonpointsource.

TMDL priority watersheds

Implementation of BMPs designed to address the listed targeted pollutants and targeted sources is a Commonwealth-wide priority. Applicants interested in constructing BMPs designed to address TMDL requirements should contact regional watershed managers prior to preparation of an application.

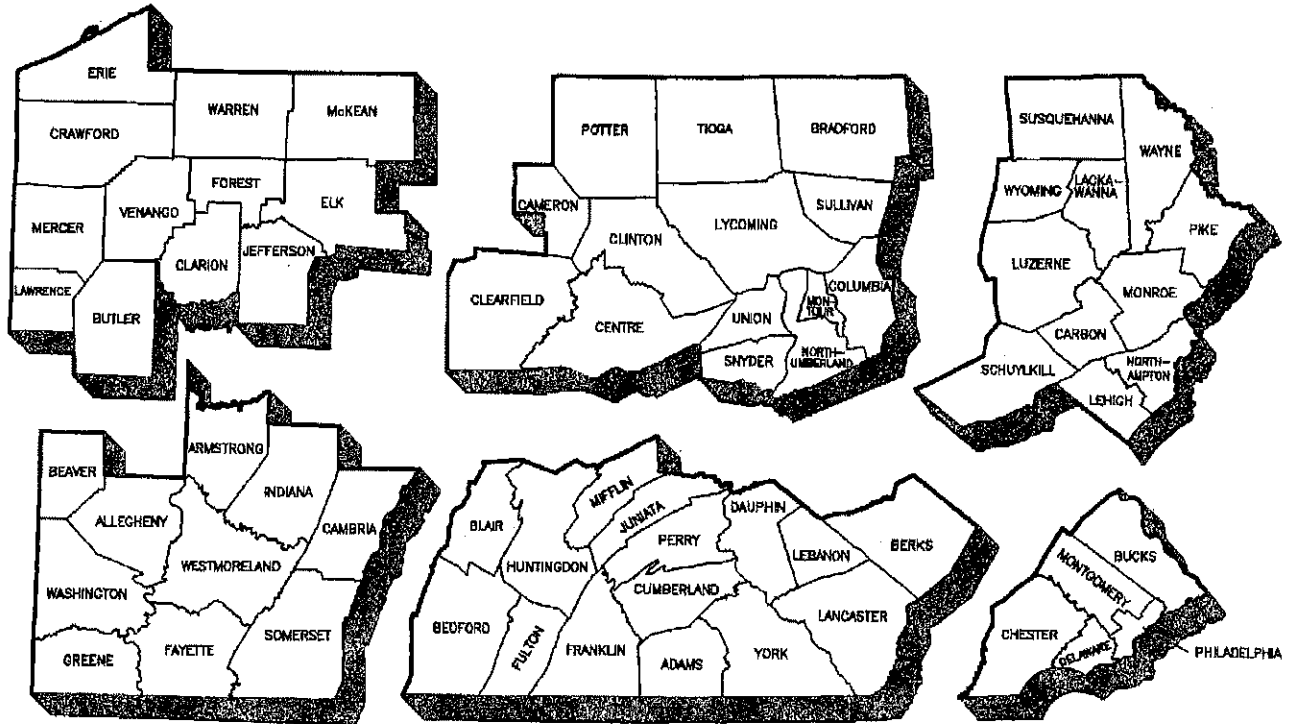
Watershed Name	Targeted Pollutants	Targeted Sources	County
Nuangola Lake	Organic enrichment, low dissolved oxygen	Septic systems	Luzerne
Little Bushkill Creek	Pathogens	Septic systems, suburban runoff	Northampton
Deer Run	Nitrogen, phosphorus, siltation	Agriculture	Bucks
Schlegel Run	Siltation	Agriculture	Montgomery
Wissahickon Creek	Nitrogen, phosphorus, siltation	Stormwater	Montgomery and Philadelphia
Ithan Creek	Siltation	Stormwater	Delaware
Genesee River	Siltation, organic enrichment	Agriculture	Potter
Beaver Run	Siltation	Agriculture	Montour
Hungry Run	Nitrogen, phosphorus, siltation	Agriculture	Mifflin
Spring Run	Nitrogen, phosphorus, siltation	Agriculture	Fulton
Chiques Creek	Siltation	Agriculture, Stormwater	Lancaster
Fishing Creek	Siltation	Agriculture	Lancaster
Hamlin Run	Low pH and metals	AMD	McKean
Railroad Run	Low pH and metals	AMD	McKean
Shupe Run	Metals, siltation	AMD	Westmoreland
Beaver Run	Siltation	Agriculture	Westmoreland
Ross Run	Siltation	Agriculture	Indiana



**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CONTACT INFORMATION**

To contact a DEP Regional Watershed Manager, refer to the following directory:

<p>Northwest Regional Office 230 Chestnut St. Meadville, PA 16335-3481 814-332-6894</p> <p><u>Environmental Group Manager</u> Ron Lybrook</p>	<p>North-central Regional Office 208 W. Third St., Suite 101 Williamsport, PA 17701-6448 570-327-3593</p> <p><u>Watershed Manager</u> Jason Fellon</p>	<p>Northeast Regional Office 2 Public Square Wilkes-Barre, PA 18701-1915 570-826-2597</p> <p><u>Watershed Manager</u> Shane Kleiner</p>
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<p>Southwest Regional Office 400 Waterfront Drive Pittsburgh, PA 15222-4745 412-442-4207</p> <p><u>Watershed Manager</u> Jeff Fliss</p>	<p>South-central Regional Office 909 Elmerton Avenue Harrisburg, PA 17110-8200 717-705-4916</p> <p><u>Watershed Manager</u> Jineen Boyle</p>	<p>Southeast Regional Office Two East Main Street Norristown, PA 19401 484-250-5160</p> <p><u>Environmental Group Manager</u> Desiree Henning-Dudley</p>
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To contact DEP Mining staff, refer to the following directory:

District Mining Offices

***Pottsville District Mining Office
(Contact, Dan Koury)***

5 W. Laurel Blvd.
Pottsville, PA 17901-2522
Telephone: 570-621-3466

Counties Served: Berks, Bucks, Carbon, Chester, Columbia, Dauphin, Delaware, Lackawanna, Lancaster, Lebanon, Lehigh, Luzerne, Monroe, Montgomery, Montour, Northampton, Northumberland, Pike, Philadelphia, Schuylkill, Susquehanna, Wayne, Wyoming and York

***Moshannon District Mining Office
(Contact, Eric Rosengrant)***

186 Enterprise Drive
Phillipsburg, PA 16866
Telephone: 814-342-8200

Counties Served: Bradford, Cameron, Centre, Clearfield, Clinton, Lycoming, Potter, Snyder, Sullivan, Tioga and Union,

***Knox District Mining Office
(Contact, Christopher Yeakle)***

White Memorial Building, P.O. Box 669
Knox, PA 16232-0669
Telephone: 814-787-0842

Counties Served: Beaver, Butler, Clarion, Crawford, Elk, Erie, Forest, Jefferson, Lawrence, McKean, Mercer, Venango and Warren

***Cambria District Mining Office
(Contact, Malcolm Crittenden)***

286 Industrial Park Road
Ebensburg, PA 15931-4119
Telephone: 814-472-1900

Counties Served: Adams, Bedford, Blair, Cambria, Cumberland, Franklin, Fulton, Huntingdon, Indiana Juniata, Mifflin, Perry, and Somerset

***New Stanton District Mining Office
(Contact, Jeff Parr)***

131 Broadview Road
New Stanton, PA 15672
Telephone: 724-925-5500

Counties Served: Allegheny, Armstrong, Fayette, Greene, Washington and Westmoreland

Bureau of Abandoned Mine Reclamation

***Wilkes-Barre District Office
(Contact, Kim Snyder)***

2 Public Square
Wilkes-Barre, PA 18701-1915
570-830-3176

Counties Served: All anthracite counties

***Cambria District Office
(Contact, Dean Baker)***

286 Industrial Park Road
Ebensburg, PA 15931-4119
814-472-1821

Counties Served: All bituminous counties

**Bureau of Abandoned Mine Reclamation –
AMD Set-Aside Grants**

***Anthracite Region
(Contact, Todd Wood)***

2 Public Square
Wilkes-Barre, PA 18701-1915
570-830-3171

***Bituminous Region
(Contact, David Leiford)***

286 Industrial Park Road
Ebensburg, PA 15931-4119
814-472-1886

To contact DEP Central Office staff, refer to the following directory:

- EPA Section 319 Nonpoint Source Grants:
DEP Office of Water Resources Planning
717-772-5642
- Statewide Projects:
DEP Office of Water Resources Planning
717-772-5642
- Environmental Justice Questions:
Director of Environmental Justice
484-250-5942
- Surface Mining Conservation and Reclamation Act Bond Forfeiture (SMCRA) Grants:
District Mining Office for the county where the project is located.
- AMD Set-Aside and Growing Greener mining-related Grants:

<u>Bituminous Region</u>	<u>Anthracite Region</u>
David Leiford	Todd Wood
814-472-1886	570-830-3171

Other Federal/State Contacts:

- Internal Revenue Service, Exempt Organizations
1-877-829-5500
<http://www.irs.gov/charities/charitable/index.html>
- PA Department of State, Corporation Bureau (incorporating)
717-787-1057
1-888-659-9962
- PA Department of State, Bureau of Charitable Organizations
1-800-732-0999
- DCNR Bureau of Forestry
Ryan Szuch
717-787-2980
- DCNR Bureau of State Parks
Rachel Reese
717-787-6674
- PA Game Commission
Mike DiMatteo
717-787-4250 Ext. 3602
- PA Fish & Boat Commission
Bernie Kiesnoski
814-359-5108
- PA Department of Labor and Industry (Prevailing Wage)
Bureau of Labor Law Compliance
1-800-932-0665
- PA Department of Transportation (signs on PennDOT Rights-of-Way)
Ken Reuther
717-787-9508



LANDOWNER LETTER OF COMMITMENT

I, _____ (property owner) do hereby authorize and agree to permit _____ (Applicant) to enter my property, with the intent to design and/or install/replace Conservation Practices/Best Management Practices (CP/BMPs) on my property for the purpose of improving water quality on _____ (specific waterway).

I understand that if an Environmental Stewardship and Watershed Protection (Growing Greener or Section 319) grant award is made by DEP, I will be required to execute a Landowner-Grantee Agreement with an Operation and Maintenance Plan. This Agreement will identify specific maintenance tasks and the parties that will be responsible to perform those tasks to ensure that the CP/BMP is properly maintained.

Property Owner Signature

Applicant Signature

Property Owner Name (Printed)

Applicant Signature (Printed)

Date

Date



LANDOWNER LETTER OF COMMITMENT (SMCRA)

I, _____ (property owner)
do hereby authorize and agree to permit _____ (Applicant) to enter
my property, with the intent to design and/or install Conservation Practices/Best
Management Practices (CP/BMPs) on my property for the purpose of improving water quality on
_____ (specific waterway).

I understand that if a Surface Mine Conservation and Reclamation Act award is made by DEP,
I will be required to execute a Consent to Right of Entry Agreement.

Property Owner Signature

Applicant Signature

Property Owner Name (Printed)

Applicant Signature (Printed)

Date

Date



LANDOWNER ACCESS AUTHORIZATION

I, _____ (property owner) do hereby authorize and agree to permit _____ (Applicant) to enter my property for the purpose of conducting a water monitoring program on _____ (specific waterway) accessible from my property beginning _____ (specific date). This permission allows the above-named individual or his/her designee(s) to carry out monthly/semiannual/annual water quality tests while exercising due diligence in protecting my property and personal safety and health.

I understand that if an Environmental Stewardship and Watershed Protection (Growing Greener or Section 319) Grant is awarded by DEP, this form will serve as authorization to access my property.

Property Owner Signature

Applicant Signature

Property Owner Name (Printed)

Applicant Signature (Printed)