

Growing Greener Watershed Protection and AMD Set-Aside Goals and Accomplishments Worksheets

Project Name _____

Project Number _____ County _____

This Report is *(choose one)*:

- Project Goals
- Project Accomplishments *(to be submitted with final report)*

Project Type *(check all that apply)*

- Organization of a Watershed Group *(fill out Sheet A*)*
- Watershed Assessments and Development of Restoration and/or Protection Plan
(check all that apply and fill out sheet B)*
 - AML/AMD
 - Non-Point Source
 - Assessment
 - Development of Restoration Plan
 - Development of Protection Plan

Implementation of Watershed Restoration and/or Protection Project
(check all that apply and fill out Sheets C, D, E, F, and G)*

- AML/AMD
- Oil and Gas
- Non-Point Source
- Restoration
- Protection
- Demonstration *(fill out Sheet H*)*
- Education/Outreach *(fill out Sheet I*)*

*Please fill out all the appropriate information on the sheets corresponding to your project type. Leave blank any sheets or information on the sheets that do not apply to your specific project. If you have any questions call the Grants Center at 717-705-5400.

Organization of a Watershed Group

Name of Group _____

Watershed Area _____ Acres

Membership _____ Number

Meetings Held _____ Number Held
_____ Attendance

Mission Defined Yes No

Incorporation Yes _____ Date
 Applied _____ Date
 No

Non-Profit Status Yes _____ Date
 Applied _____ Date
 No

Officers Elected Yes No

Strategic Plan Developed Yes No _____ Date

Newsletter _____ Number Printed

Brochures _____ Number Printed

Webpage _____ Web Address

Other Outreach Describe in Narrative

Describe Activities to date for your organization:

Watershed Assessments and Development

Of

Watershed Restoration and/or Protection Plans

- Area Assessed _____ acres Problems Identified: AMD Trash Point Source Pollutants
- Stream Reach _____ feet Erosion & Sedimentation Stormwater Temperature
- Data Gathered _____ briefly describe 303D Listed Yes No
- Monitoring Measurements _____ type Chapter 93 designation _____
- Maps Developed _____ number/type Nutrient Assessed _____ list below
- Surveys Completed _____ type Frequency of Monitoring _____ describe
- Fish Identified _____ species Stream Corridors Restored _____ feet planned
- Macroinvertebrates Identified _____ species Stream Corridors Protected _____ feet planned
- Riparian Buffers Restored _____ feet planned Education/Outreach _____ describe
- Riparian Buffers Protected _____ feet planned TMDL Completed _____ describe
- Stations Monitored: Chemistry _____ #/frequency Public Input _____ describe
- Biology _____ #/frequency

Describe your project activities to date:

Receiving Stream _____ name/location

Receiving Stream Benefits

<u>Upstream Quality</u>		<u>Downstream Quality</u>	
Before	After	Before	After
Iron _____	Iron _____ mg/L	Iron _____	Iron _____ mg/L
pH _____	pH _____ S.U.	pH _____	pH _____ S.U.
Acid _____	mg/L as CaCO ₃	Acid _____	mg/L as CaCO ₃
Alk _____	mg/L as CaCO ₃	Alk _____	mg/L as CaCO ₃
Al _____	mg/L	Al _____	mg/L
Mn _____	mg/L	Mn _____	Mg/L

AMD Treatment	AML
<input type="checkbox"/> Anoxic Limestone Drain _____ tons Limestone(LS) <input type="checkbox"/> Successive Alkalinity Producing System (SAP) _____ tons (LS) _____ tons organic matter <input type="checkbox"/> Wetlands _____ aerobic acres _____ anaerobic acres <input type="checkbox"/> Diversion Wells _____ # _____ total LS capacity <input type="checkbox"/> Settling Ponds _____ # _____ capacity (gpm) <input type="checkbox"/> Limestone Channel _____ ft. OLC _____ ft. MOLC <input type="checkbox"/> Limestone Dosing/Dumping _____ tons LS <input type="checkbox"/> Reverse Alkalinity Producing Systems _____ # <input type="checkbox"/> Bactericide Remediation _____ lbs/acre <input type="checkbox"/> Beneficial Use of Dredged Material _____ tons <input type="checkbox"/> Manganese Oxidizing Bacteria Systems _____ # <p style="text-align: center;">Total Treated Flow Rate</p> _____ gpm average _____ gpm high Predicted lifespan of system _____ years Sludge Capacity _____ years Contaminants removed/Contained by system (average) Iron _____ ppd Al _____ ppd Mn _____ ppd Acid _____ ppd Excess Alkalinity added _____ ppd pH change _____ influent _____ effluent	<p style="text-align: center;">Oil and Gas</p> Wells Plugged _____ # Total Flow Before _____ gpm Total Flow After _____ gpm <p style="text-align: center;">Contaminants Removed/Prevented</p> Iron _____ (ppd) pounds per day Acidity _____ (ppd) Alkalinity _____ (ppd) Wildlife Habitat Created _____ acres <input type="checkbox"/> Openings Closed _____ # <input type="checkbox"/> High Walls Removed _____ Feet <input type="checkbox"/> Land Remained _____ Acres <input type="checkbox"/> Wildlife Habitat Improved _____ Acres <input type="checkbox"/> Trees Planted _____ # <input type="checkbox"/> Sealing Mine Portals _____ # _____ wet or dry seal _____ acres <input type="checkbox"/> Revegetation _____ tons <input type="checkbox"/> Grout Injection _____ tons <input type="checkbox"/> Mine Capping _____ acres <p style="text-align: center;">Describe Activities to Date:</p>

Name of Project: _____

Non-Point Agricultural

Farmstead/Barnyard

Manure Storages:

	Number	Cubic Feet	AEUs
Dairy	_____	_____	_____
Beef	_____	_____	_____
Swine	_____	_____	_____
Poultry	_____	_____	_____
Latitude	_____	Longitude	_____
Barnyard runoff controls:			
Built with manure storage	_____	_____	number
Built without manure storage	_____	_____	number
Curbing	_____	_____	feet
Roof Gutters	_____	_____	feet
Buffer Strips	_____	_____	feet
Other (Describe)			

Upland

Soil Conservation Plans Developed	_____	_____	acres
On conventional cropland	_____	_____	acres
On hayland	_____	_____	acres
On pasture	_____	_____	acres
Grazing land	_____	_____	acres protected
No till	_____	_____	acres implemented
Cover crops planted	_____	_____	acres planted
Nutrient management plans	_____	_____	acres
Waterways	_____	_____	feet
Diversions/Terraces	_____	_____	feet
Pesticide management	_____	_____	acres
Wildlife land improved	_____	_____	acres
Woodland improved	_____	_____	acres
Stream Fencing	_____	_____	feet
Stabilized Crossings	_____	_____	#
Vegetated Buffer	_____	_____	acres
Forest Buffer	_____	_____	acres
Latitude	_____	_____	Longitude

Streams/Wetlands

Measures on Separate pages

Describe your implementation activities to date:

Name of Project: _____

Non-Point Other		Streams/Wetlands
Stormwater	Other BMP	Measures on separate pages
Latitude _____		
Longitude _____		
Extended dry detention basin _____	Sediment Ponds _____	_____ number
Wet detention pond _____	Septic Pumping _____	_____ number
Conversion of dry retention to wet _____	Home Septic _____	_____ number
Pond-wetland system _____	Denitrification installed _____	_____ number
Stormwater wetland _____	Septic systems connected _____	_____ number
Sand Filter _____	to WWTP POTW _____	_____ number
Infiltration Swale _____	Nutrient Management _____	_____ acres
Porous Pavement _____	Dirt/Gravel Road Maintenance _____	_____ feet
Rain garden _____	Road Bank Stabilized _____	_____ ft ²
Roof Water Management _____		
Operation & Maintenance (describe below)		
Other (describe below)		

Describe your implementation activities to date: (Advise if your improvements are new construction, replacements, or changes to existing systems)

Streams

Name of Project: _____ **303D Listed** Yes No

Chapter 93 Designation
 WWF CWF TSF
 HQ EV

Riparian buffers installed _____ length (ft) _____ type (trees, shrubs, grasses)
avg width (ft) _____

(Report both sides of stream if appropriate)

Latitude _____ Longitude _____

Prior land use where established _____ type _____

Filter Strips installed _____ length (ft) _____ avg width (ft) _____

Land use where established _____ type _____

Stream bank protection with fencing _____ length (ft) _____ avg. width (FT) _____

Stream bank protection without fencing _____ length (ft) _____ avg. width (FT) _____

Off stream watering systems _____ number _____

Barerooted plantings _____ type/species (trees, shrubs, grasses)

Container grown plants _____ type/species (trees, shrubs, grasses)

Protected root stock _____ type/species (trees, shrubs, grasses)

Weed control _____ type/species (trees, shrubs, grasses)

Invasive species removed _____ type/species (trees, shrubs, grasses)

Dams removed _____ number _____ length (ft) _____ height (ft) _____

Fluvial Geomorphology (FGM) _____ (ft) _____

Stream channel restoration _____ length (ft) _____

Fish structures _____ number _____ type _____

Rootwads _____ length _____

J-hook vanes _____ number _____

Other _____ units _____

Trash removed _____ tons _____ number of sites _____

Protection Measures Implemented (describe below)

Please describe activities to date: (include sources of technical assistance)

Wetlands

Existing Site Conditions

Are wetlands present on the site? Yes No

Are any water course(s) affected by the project? Yes No

If present, what are the types and acreages:

Type: _____ Size: _____

PEM (palustrine emergent) _____

PSS (palustrine scrub/shrub) _____

PFO (palustrine forested) _____

POW (palustrine open water) _____

Total Size: _____

If affected, what are the Ch. 93 Classification(s):

WWF (Warm Water Fishery) CWF (Cold Water Fishery) TSF (Trout Stocks) HQ (High Quality) EV (Exceptional Value)

What is the contributing drainage area to the wetland project (in acres)? _____ acres

What is the predominant land use in the contributing drainage area? _____

Are prior Converted Wetlands Areas Present? Yes No

Wetland Protection/Restoration/Creation Projects

Hydrogeomorphic Classification of Wetland (stream areas are considered riverine):

Existing Wetland Acreage Impacted (0.0):

Type _____ Size _____

PEM _____

PSS _____

PFO _____

POW _____

Acreage Restored or created (0.0):

Type _____ Size _____

PEM _____

PSS _____

PFO _____

POW _____

Latitude _____ Longitude _____ Latitude _____ Longitude _____

Please describe activities to date:

Enhancement/Functional Gain Projects

Hydrogeomorphic Classification of Wetland (stream areas are considered riverine):

Enhancement Activity Type

Streambank Fencing _____

Wetland Fencing _____

Exotic/Invasive Sp. Cont _____

Hydrologic Manipulation _____

Other _____

Other Desc.: _____

Size of area affected (0.0)

Latitude _____ Longitude _____

Demonstration Project

Name of project: _____

Type of project _____

Mining Related Yes No

Non-point Related Yes No

Demonstrations Held _____ Number

_____ Attendance

Publicity _____ Number

Newspapers _____ Number

Radio Spots _____ Number

TV Spots _____ Number

Internet _____ Number

Magazine Articles _____ Number

Other _____ Number

Describe activities and technologies developed to date for your demonstration project:

Education Project/Outreach

Schools reached	_____	number
Children reached	_____	number
Adults reached	_____	number
Brochures distributed	_____	number
Newspaper articles	_____	number
Radio/TV spots	_____	number
Magazines	_____	number
Web site hits	_____	number
Training sessions held	_____	number
	_____	attendance
Workshops held	_____	number
	_____	attendance

Describe your efforts to date: