

Guidelines for Completion of Preliminary and Comprehensive Operation, Maintenance and Replacement Plans

A SMCRA AMD treatment system design/construction grant requires the development of a preliminary Operation, Maintenance and Replacement Plan (OM&R) at grant execution time as well as a long-term comprehensive plan as a project deliverable in the Final Report.

The preliminary OM&R Plan should include:

- A written plan describing O, M & R needs for each component of the treatment system, a frequency schedule of each maintenance task to be completed, and the identity of the responsible party.
- A written/signed maintenance agreement with the responsible party for providing the OM&R. Only the parties responsible for doing maintenance need to sign the document. If DEP is doing all the OM&R, delete the signatures and write a statement into the scope of work that DEP will provide all OM&R.
- Maintenance schedule for passive systems:
 - Site Inspections: inspection, maintenance tasks, Quarterly 4 hrs /visit
and flushing
 - Sample Collection and Analysis Quarterly 0.5 hrs/visit, 2 points
- Maintenance schedule for active systems:
 - Site Inspections: inspection, maintenance tasks, Bi-weekly 5 hrs/visit
and sludge management
 - Sample Collection and Analysis Monthly 0.5 hrs/visit, 2 points

The long-term comprehensive OM&R Plan should include the information provided in the preliminary plan and:

- An O, M & R Site Map that includes each component, flushing points, monitoring points (water sample locations, benchmark cross sections, etc.)
- Site specific instructions.
- "As-built" drawings certified by a professional engineer or licensed land surveyor.
- Financial information: Use AMDTreat to figure the annual costs and recap costs.
- Permit Requirements: Provide a copy of all approved permits and include any permit conditions and permits requirements.



SURFACE MINING CONSERVATION AND RECLAMATION ACT GRANT PROGRAM

OPERATION, MAINTENANCE AND REPLACEMENT PLAN

Proper operation and maintenance of Best Management Practices “(BMPs)” is critical for their success and longevity. The goal of this project is the establishment of a restored waterway - Weaver Run.

(List BMPs)

for improvement of water quality.

1) Components of the Project (List all practices being installed within this project):

Existing vegetation preserved when possible	Constructed during low flow conditions	Disturbed area permanently seeded
Limestone has a minimum CaCO3 content of 86%	Filter socks placed	inlet/outlet channels
3 limestone beds: 3600, 770, 770 tons	pipng	

2) Parties agree to perform all Maintenance Tasks as described in the chart at the end of this document.

3) Allowed activities:

- water sampling & systems monitoring
- flushing of systems
- maintenance of inlets, outlets and limestone beds

Prohibited activities:

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4) The Landowner(s) Grantee DEP shall be considered to be in breach of this Agreement if he/she does not maintain and repair the project in compliance with this agreement or willfully neglects any other terms of this agreement.

5) The Landowner(s) Grantee DEP agrees to comply with all Federal, State, local laws, rules and regulations. This would include noxious weed control.

6) The Landowner(s) Grantee DEP shall be responsible for all normal, routine maintenance and normal, routine repair of the site and project.

7) Other Special Conditions:

- Landowner will be notified prior to any significant OM&R activities at systems D8A and D8B
- Local EMS will be notified prior to system flushing
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Maintenance Tasks

Practice	Site Inspection
Maintenance required	
Schedule	Quarterly, unless a problem arises and then as needed
Responsible Party	Paint Creek Regional Watershed Association, PA Association of Conservation Districts, PA Dept. of Environmental Protection
Practice	System Flushing
Maintenance required	
Schedule	Annually, during high flows
Responsible Party	Paint Creek Regional Watershed Association
Practice	Sample Collection and Analysis
Maintenance required	
Schedule	Once a month for a year and then quarterly at the influent and effluent of each system
Responsible Party	Paint Creek Regional Watershed Association in cooperation with Conemaugh Valley Conservancy's Kiski-Conemaugh Stream Team
Practice	Limestone bed maintenance
Maintenance required	"Fluffing" of limestone; limestone addition
Schedule	Fluffing every 5-10 years; additional limestone in 15-20 years
Responsible Party	Paint Creek Regional Watershed Association
Practice	Maintenance of inlets/outlets
Maintenance required	Clearing of debris/sediment
Schedule	As needed
Responsible Party	Paint Creek Regional Watershed Association

Signatures:

(Grantee Representative Signature)
Must be an officer of the organization

11/20/14 _____
(Date)

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Richard Wargo

(Grantee Representative Please Print)

