PASSIVE TREATMENT SYSTEM O&M INSPECTION REPORT											
Inspection Date:				Project Name:	Mathews R	estoration Are	a				
Inspected by:				Municipality:	Dunkard T						
Organization:				County:	Greene		State: PA				
Time Start:		End:		Project Coordina	ates:	39.748609271	Lat	-79.9640838	<b>87</b> Long		
Receiving Stream	m: <b>Un</b>	named Tributai	у	Subwatershed:	Dunkard C	reek Wat	tershed:	Monongahela River			
Weather (circle one): Snow Heavy Rain Rain Light Rain Overcast Fair/Sunny Temp(°F): ≤32 33-40 41-50 51-60 60+											
Is maintenance r	Is maintenance required? Yes/No If yes, provide explanation:										
				INSPECTION	SUMMARY						
A. Site Vegetation  Overall condition of vegetation on site: 0 1 2 3 4 5 (0=poor, 5=excellent, circle one) (See instructions.)  Is any reseeding required? Yes/No If yes, describe area size and identify location on Site Schematic:  B. Site Access  Are the access roads passable for operation and monitoring? Yes/No?  Maintenance performed?  Maintenance Needed?  Additional comments?  C. Wildlife Utilization  Animal sighted or tracks observed  Invasive plants observed  Describe any damage caused to treatment system by wildlife (especially muskrats) and required maintenance:  D. Vandalism and "Housekeeping"  Is there evidence of vandalism to the site? Yes/No? Is there litter around/in the passive system? Yes/No? If Yes, was the litter picked up? Yes/No? Is there litter that may be considered hazardous or dangerous that requires special disposal? Yes/No?											
E. Diversion Di	itches, Colle	ction Channels			Tamaian	Manatation	- Francisco	\\\\\\	\M-4		
Ditch	Stable (Y/N)	Slumping (Y/N)	Erosion Rills (Y/N)	Debris Present (Y/N)	Tension Cracks (Y/N)	Vegetation Successful (Y/N)	Functioning Properly (Y/N)	Water Overtopping Ditch (Y/N)	Water Flowing (Y/N)		
1. Diversion			, ,	, ,	,	,		, ,	, ,		
a. DD1											
b.DD2											
2. Spillways											
a. FB											
b. VFP1				+							
c. SP1 d. OPC				+							
e. VFP2A				+							
f. VFP2B											

g. WL h. HFLB

Maintenance Performed or Needed?

			5
F.	Culverts	- Indicated on plan by	

Culvert	Culvert functioning		Culvert (	Condition		Maintenance Performed	Maintenance Needed		
#	i de is it nandling all		1 1 20 1		Broken? (Yes/No)	(identify culvert number)	(identify culvert number)		
1									
2									
3									
4									
5									
6									
7									
8									

Additional comments_			
_			

**G. Passive Treatment Components**Enter pH, temp, alkalinity, flow and other field data as applicable in Section Q. If water samples were collected enter bottle numbers.

Component	Stable (Y/N)	Slumping (Y/N)	Erosion Rills (Y/N)	Tension Cracks (Y/N)	Vegetation Successful (Y/N)	Water level Change or Overtopping Berm (Y/N)	Debris Present (Y/N)	Significant Siltation (Y/N)	Valves Functioning (Y/N)	Pipes Flowing (Y/N)	Pipe(s) broken or plugged (Y/N)
FB											,
VFP1											
SP1											
OPC											
VFP2A											
VFP2B											
SP2											
WL											
HFLB											
VFP3											

Is Forebay 1 collecting all mine drainage? Yes/No?
Identify all pipes not flowing:
Identify all broken pipes:
Identify all valves not functioning:
Is there an unbearable rotten egg smell from VFPs? Yes/No Which VFPs:
Is water flowing on top of the HFLB? Yes/No?
Maintenance Performed?
Maintenance Needed?
Additional comments?

	ea											
Sampling	Flow Measurements		ated gpm)		(0,)	ity	g/L)	(mg/L)	Comments	#	Bottle # (total metals)	Bottle # (diss. metals)
Point	gals.	sec.	Calculated Flow (gpm)	Ha	Temp (°C)	Alkalinity (mg/L)	DO (mg/L)	lron (i		Bottle #	Bottle (total r	Bottle (diss.
117-1*												
VFP1												
SP1												
OPC Mid												
OPC												
VFP2A (composite)												
Pipe 1												
Pipe 2												
Pipe 3												
Wetland												
HFLB*												
VFP3												
117-4*												
117-7*												
117-6*												

**H. Field Water Monitoring and Sample Collection -** Water sample locations as marked on the site schematic. For passive components the sample point is at the effluent of the named component. The following table provides the opportunity to conduct extensive monitoring if/when desired, however at a minimum, field parameters should be conducted at the following sample points during site inspections indicated by \*.

