

PASSIVE TREATMENT SYSTEM O&M INSPECTION REPORT

Rev. 3/2009

Inspection Date: _____	Project Name: Site 3895 – Phase 1 & 2
Inspected by: _____	Municipality: Benezette Township
Organization: _____	County: Elk State: PA
Time Start: _____ End: _____	Project Coordinates: 41.34020 Lat 78.37194 Long
Receiving Stream: Porcupine Run	Subwatershed: Dents Run Watershed: Bennett Branch Sinnemahoning Creek

Weather (circle one): Snow Heavy Rain Rain Light Rain Overcast Fair/Sunny **Temp(°F):** ≤32 33-40 41-50 51-60 60+

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 Ditches, Collection Channels, and Spillways

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									
c. DD3									
d. DD4									
2. Collection									
a. CC1									
3. Spillways									
a. FB1									
b. ALD1									
c. VFP1									
d. SB1									
e. VFP2B									
f. SPWL2B									
g. HFLB									
4. Emergency Spillways									
a. VFP2B									

Maintenance Performed or Needed? _____

F. Culverts - Indicated on plan by

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Culvert #	Culvert functioning (ie Is it handling all the water? Yes/No)	Culvert Condition				Maintenance Performed (identify culvert number)	Maintenance Needed (identify culvert number)
		Good? (Yes/No)	Crushed? (Yes/No)	Plugged? (Yes/No)	Broken? (Yes/No)		
1							
2							
3							
4							
5							
6							
7							
8							
9							

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)
Forebay 1											
OPC1											
ALD											
Moat1 (M1)											
VFP1											
OPC2											
SB1											
OPC3											
VFP2B											
SPWL2B											
HFLB											

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? _____

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

SA2 Condition: Stable: Yes/No? Significant Corrosion: Yes/No? Debris Present: Yes/No? Significant Siltation: Yes/No?

SA4 Condition: Stable: Yes/No? Significant Corrosion: Yes/No? Debris Present: Yes/No? Significant Siltation: Yes/No?

Maintenance Performed? _____

Maintenance Needed?

Additional comments?

Weir Box 1 condition: Stable: Yes/No? Significant Corrosion: Yes/No? Debris Present: Yes/No? Significant Siltation: Yes/No?

Is the N-12 pipe properly connected to weir box 1: Yes/No?

Maintenance Performed?

Maintenance Needed?

Additional comments?

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 *

FB1, ALD1, SA2, OPC2, SB1, SA4, SPWL2B, and HFLB

☐ - Not monitored

[illegible]