PASSIVE TREATMENT SYSTEM O&M INSPECTION REPORT

Inspection Date:		Project Name:	**Langeloth Borehole**
Inspected by:		Municipality:	**Smith Township**
Organization:		County:	**Washington** State: **PA**
Time Start:	End:	Project Coordinates:	**40° 21' 21"** Lat **80° 23' 40"** Long
Receiving Stream:	**Unnamed Tributary**	Subwatershed:	**Burgetts Fork** Watershed: **Raccoon Creek**

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

A. Site Vegetation (Uplands and Associated Slopes)

Overall condition of vegetation on site: 0 1 2 3 4 5 (0=poor, 5=excellent, circle one) (See instructions.)
Does the site have any areas that need to be stabilized? ***Yes / No*** If yes, explain maintenance performed or needed:

B. Site Access

Is the access road passable for operation and monitoring? **Yes / No** Does the access road need maintenance? **Yes / No**
Does the split rail fence need maintenance? **Yes / No** Do any of the fence gates need maintenance? **Yes / No**
Describe maintenance performed and remaining (Identify location on Site Schematic.): _____

C. Wildlife Utilization

Animals sighted or tracks observed_____
Invasive plants observed _____
Describe any damage caused to treatment system by wildlife (especially muskrats) and required maintenance:

D. Burgetts Fork Downstream (L5), Burgetts Fork Upstream (L4), Unnamed Tributary to Burgetts Fork Downstream (L3)

Enter effluent pH, temp, alkalinity, flow and other field data as applicable in Section I.

E. Settling Basin #2 (SB2) & Sampling Point L2A

Enter effluent pH, temp, alkalinity, flow and other field data as applicable in Section I.
Is any Maintenance needed? ***Yes / No*** If Yes, Check which elements of the Pond require maintenance and provide further detail below

Element	√ if need	Maintenance needed
Outlet Spillway		
Effluent Pipe		
Inline Water Control Structure #3		
Berms		

Describe Maintenance performed?_____
Additional comments:_____

F. Settling Basin #1 (SB1)

Enter effluent pH, temp, alkalinity, flow and other field data as applicable in Section I.
Is any Maintenance needed? ***Yes / No*** If Yes, Check which elements of the Pond require maintenance and provide further detail below

Element	√ if need	Maintenance needed
Outlet Spillway		
Effluent Pipe		
Inline Water Control Structure #1		
Inline Water Control Structure #2		
Berms		

Describe Maintenance performed?_____
Additional comments:_____

G. Langeloth Borehole Abandoned Mine Discharge (L2)

Enter effluent pH, temp, alkalinity, flow and other field data as applicable in Section I.

Is any Maintenance needed? ***Yes / No*** If Yes, Check which elements of the Pond require maintenance and provide further detail below

Element	√ if need	Maintenance needed
SB1 influent Pipe		
Valve Box #1		
Valve Box #2		
By-Pass pipe		

Describe Maintenance performed?_____

_____

Additional comments:_____

_____

H. Unnamed Tributary to Burgetts Fork Upstream (L1)

Enter effluent pH, temp, alkalinity, flow and other field data as applicable in Section I.

I. Field Water Monitoring and Sample Collection

Water sample locations as marked on plan.

Sampling Point	Flow Measurements		Calculated Flow (gpm)	pH	ORP	Temp (°C)	Alkalinity (mg/L)	DO (mg/L)	Iron (mg/L)	Comments	Bottle #	Bottle # (total metals)	Bottle # (diss. metals)
	gals	sec.											
L1													
L2													
L2A (SB2)													
L3													
L4													
L5