

PASSIVE TREATMENT SYSTEM O&M INSPECTION REPORT

6/2005

Inspection Date: _____	Project Name: Fox Run Restoration Project– Phase I	
Inspected by: _____	Municipality: Jackson Township	
Organization: _____	County: Mercer	State: PA
Time Start: _____ End: _____	Project Coordinates: 41° 17' 47" Lat	80° 07' 34" Long
Receiving Stream: Fox Run	Subwatershed: Yellow Creek	Watershed: Cool Spring 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 (Uplands and Associated Slopes)

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. Access

Is the access road accessible for operation and monitoring? Yes No

Does the access need maintenance? Yes No

Describe maintenance performed and remaining (Identify location on Site Schematic.): _____

C. "Housekeeping"

Is there litter along the road? Yes No Is there litter around or in the passive system? Yes No

Is there litter that may be considered hazardous or dangerous that requires special disposal? Yes No

Additional comments: _____

D. Vandalism

Is there any defacing or damage to signs? Yes No Have trees been cut? Yes No

Additional comments: _____

E. Diversion Ditch and Spillways

Channel Identification	Significant Erosion (Y/N)	Debris Present (Y/N)	Maintenance Performed (Y/N)	Maintenance Performed and Remaining <small>(Indicate ditch by number i.e. 2b = Settling Pond Outlet)</small>
1. Upland Diversion Ditch				
2. Rock-Lined Spillways				
a. Level Spreader (SP Outlet)				
b. Wetland Outlet				

F. Passive Treatment System Components

Component	Significant Erosion (Y/N)	Berms Stable (Y/N)	Vegetation Successful (Y/N)	Siltation Significant (Y/N)	Water Level Change (Y/N)	Maintenance Performed and Remaining <small>Indicate which component i.e. Settling Pond</small>
Collection Channel						
Settling Pond						
Wetland						

G. Wildlife Utilization

Animal sighted or tracks observed: _____

Invasive plants observed: _____

Describe any damage caused to treatment system by wildlife (especially muskrats) and required maintenance: _____

H. Field Water Monitoring and Sample Collection - Raw water sample locations as marked on plan. For passive components sample effluent.

- Not monitored

Sampling Point	Flow Measurements		Calculated Flow (gpm)	pH	Temp (°C)	Alkalinity (mg/L)	DO (mg/L)	Iron (mg/L)	Comments	Bottle #	Bottle # (total metals)	Bottle # (diss. metals)
	gals	sec.										
Discharge (87-7)												
Collection Channel												
Settling Pond (87 SP)												
Wetland (87 WL)												
Fox Run Up												
Fox Run Down												

I. Sludge Accumulation

- Not monitored

Component	Sludge Accumulation (within 1-2' of Spillway Y/N*)	Sludge Description	Comments
Collection Channel			
Settling Pond			
Wetland*			

*Note: The sludge accumulation in the Wetland may exceed the crest of the spillway as vegetation continues to grow in accumulated precipitates and helps to stabilize the sludge. In this case the sludge may continue to accumulate to within about 2' of the total berm height.

J.

