

# PASSIVE TREATMENT SYSTEM O&M INSPECTION REPORT

6/2005

Inspection Date: _____	Project Name: <b>SR 286 Passive Treatment System</b>
Inspected by: _____	Municipality: <b>Center Township</b>
Organization: _____	County: <b>Indiana</b> State: <b>PA</b>
Time Start: _____ End: _____	Project Coordinates: <b>40° 33' 23" Lat 79° 15' 33" Long</b>
Receiving Stream: <b>Aultmans Run</b>	Subwatershed: <b>Conemaugh River</b> Watershed: <b>Kiskiminetas River</b>

**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 and Parking Area

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 ☐ Is the pipe for measuring flows at existing wetland outlet still there? 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 (Indicate ditch by number i.e. 2b = Settling Pond Outlet)
1. Upland Diversion Ditch				
2. Rock-Lined Spillways				
a. Level Spreader (Forebay Outlet)				
b. Wetland Outlet				
3. Existing Wetland				

### 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 Indicate which component i.e. Settling Pond
Forebay						
Wetland						
Ex. 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. & I. Flow Measurement, Field Water Monitoring, and Sample Collection -

☐ - Not monitored

Raw water sample locations as marked on plan.

For passive components sample effluent.

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.										
286 Discharge												
Wetland (outlet)												
85-16 (final effluent)												
85-14 (upstream)												
85-13 (downstream)												

## J. Sludge Accumulation

☐ - Not monitored

Component	Sludge Accumulation		Sludge Description	Comments
	Depth (ft)	(within 1-2' - Y/N*)		
Forebay				
Wetland*				
Existing 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.

## K.

