

FOX RUN – PHASE II PASSIVE TREATMENT SYSTEM

O&M INSPECTION REPORT

2008

Inspection Date: _____	Project Name: Fox Run Restoration Area – Phase II Passive Treatment System
Inspected by: _____	Municipality: Jackson & Lake Townships
Organization: _____	County: Mercer State: PA
Time Start: _____ End: _____	Project Coordinates: 41° 18' 6" Lat 80° 7' 20" Long
Receiving Stream: Fox Run	Subwatershed: Yellow Creek Watershed: Neshanock 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 Parking (Parking to site is a gravel pull-off along Parker Road near the power line right-away)

Was the parking area accessible/useable for operation and monitoring? Yes / No Maintenance performed/needed: _____

C. Vandalism and Housekeeping

Is there evidence of vandalism? 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

D. Spillways

Ditch	Erosion Rills (Y/N)	Debris/Vegetation Present (Y/N)	Maintenance Performed (Y/N)	Maintenance Needed (Y/N)	Describe Maintenance Performed or Needed
Settling Pond					
Wetland					

E. Passive Treatment Components

Component	Erosion Rills (Y/N)	Vegetation Problems (Y/N)	Significant Siltation (Y/N)	Embankments Slumping/Unstable (Y/N)	Water level Change or Overtopping Berm (Y/N)
Intake Manifold*					
Settling Pond					
Wetland					

Describe Maintenance Performed or Needed:

*Almost all of the 87-2 discharge water should be collected by the intake manifold. Is there is significant flow (>10 gpm) entering Fox Run from the area of the intake manifold? Yes / No Describe: _____

Does the wetland appear to be short-circuiting? Yes / No Were hay bales placed? Yes / No Do hay bales need to be placed? Yes / No

G. 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 *. At a minimum the pH and field iron from the wetland (871 WL) and the discharge (87-2) should be measured during every site visit. Field iron and pH should be measured at stream monitoring points 87-1 and 871 DN. The system and stream should be monitored on a quarterly basis.

Sampling Point	Flow Measurements		Calculated Flow (cfs)	pH	Temp (°C)	Alkalinity (mg/L)	DO (mg/L)	Iron (mg/L)	Comments	Bottle #	Bottle # (total metals)	Bottle # (diss. metals)
	gals	sec.										
87-2												
871-SP												
871 WL												
871 DN												
87-6												

H. Flow Measurements – A description of various flow measurement techniques is described in the O&M Plan narrative. Measurements should be recorded in Section F.