

NORTH FORK PASSIVE TREATMENT SYSTEM

O&M INSPECTION REPORT

9/2008

Inspection Date: _____	Project Name: North Fork Passive Treatment System	
Inspected by: _____	Municipality: North Fork Passive Treatment System	
Organization: _____	County: Allegheny	State: PA
Time Start: _____ End: _____	Project Coordinates: 40° 28' 24" Lat	80° 16' 37" Long
Receiving Stream: Unnamed Tributary	Subwatershed: North Fork	Watershed: Montour Run

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 and Parking

Are the access roads passable for operation and monitoring? Yes/No?
 Maintenance performed/needed? _____

C. 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?

D. Ditches, Channels and Spillways

Ditch	Erosion Rills (Y/N)	Debris/Vegetation Present (Y/N)	Maintenance Performed (Y/N)	Maintenance Needed (Y/N)	Describe Maintenance Performed or Needed
1. Diversion					
a. DD1					
b. DD2 (Incl. Culvert 1)					
2. Spillways					
a. Pond 1					
b. Pond 2					
c. VFPW					
d. VFPE					
e. Wetland					
4. Emergency Spillways					
a. VFPW					
b. VFPE					

Note: Diversion Ditch 2 includes the inspection of Culvert #1 (18" HDPE Pipe)

E. 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	Erosion Rills (Y/N)	Vegetation Problems (Y/N)	Significant Siltation (Y/N)	Embankments Slumping have Cracks or Unstable (Y/N)	Water level Change or Overtopping Berm (Y/N)	Valves Broken or Inoperable (Y/N)	Pipes Broken or Plugged (Y/N)
Pond 1							
Pond 2							
Pond 3							
VFPW							
VFPE							
Wetland							
Describe Maintenance Performed or Needed:							

F. 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 and flow at either the VFPs or Pond 3A should be measured during every site visit. Field iron and pH should be measured at stream monitoring points NFMU6 and MP1. The system and stream should be monitored on a quarterly basis.

- 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.										
FCRAW*												
Pond 1												
Pond 2												
Pond 3												
Pond 3A (composite)												
Pipe into VFPW												
Pipe into VFPE												
VFPW (composite)*												
Pipe 1												
Pipe 2												
Pipe 3												
Pipe 4												
VFPE (composite)*												
Pipe 1												
Pipe 2												
Pipe 3												
Pipe 4												
Wetland*												
NFMU6												
MP1												

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