

# PASSIVE TREATMENT SYSTEM O&M INSPECTION REPORT

3/2007

Inspection Date: _____	Project Name: <b>Hamilton</b>	
Inspected by: _____	Municipality: <b>Findlay Township</b>	
Organization: _____	County: <b>Allegheny County</b>	State: <b>PA</b>
Time Start: _____ End: _____	Project Coordinates: <b>40° 28' 26"</b> Lat	<b>80° 17' 43"</b> Long
Receiving Stream: <b>Unnamed Tributary</b>	Subwatershed: <b>Potato Garden Run</b>	Watershed: <b>Raccoon Creek</b>

**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**

Was the access road gate locked? **Yes / No**    Does the access road gate need maintenance? **Yes / No**  
 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. Pond**

Enter effluent pH, temp, alkalinity, flow and other field data as applicable in Section G.  
 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		
Access Deck		
Emergency Spillway		
Berms		

Describe Maintenance performed? \_\_\_\_\_  
 \_\_\_\_\_  
 Additional comments: \_\_\_\_\_  
 \_\_\_\_\_

**E. Vertical Flow Wetland (VFW)**

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

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

Describe maintenance performed? \_\_\_\_\_  
 \_\_\_\_\_  
 Additional comments: \_\_\_\_\_  
 \_\_\_\_\_

Was the VFW flushed? **Yes / No**    Was the VFW backflushed? **Yes / No**    Does the VFW need to be flushed or backflushed? **Yes / No**

**F. Hamilton Abandoned Mine Discharge (H3)**

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

Does the collection channel need maintenance? **Yes / No**

Is all of the discharge being collected by the channel and conveyed to VFW? **Yes / No** If no, was this corrected? **Yes / No**

Does the collection channel need to be cleaned out? **Yes / No** Repaired? **Yes / No** Replaced **Yes / No**

Maintenance performed? \_\_\_\_\_

Maintenance needed? \_\_\_\_\_

Additional comments? \_\_\_\_\_

**G. Field Water Monitoring and Sample Collection**

Water sample locations as marked on plan.

Sampling Point	Flow Measurements		Calculated Flow (gpm)	pH	ORP	Temp (°C)	Field Alkalinity (mg/L)	DO (mg/L)	Iron (mg/L)	Comments	Bottle #	Bottle # (total metals)	Bottle # (diss. metals)
	gals	sec.											
H3													
VFW													
Pond													

