PASSIVE TREATMENT SYSTEM O&M INSPECTION REPORT

Inspection Date:			Project Name	ame: Harbison Walker Restoration Effort – Phase II							
Inspected by:			Municipality:	: Stewart Township							
Organization:			County:	Fayette	Fayette State						
Time Start:	End:		Project Coord	Project Coordinates: 39					79 29' 30" Long		
Receiving Stream:	Laurel Run		Subwatershe	ed: Meadow F	Run	Watersh	ied:	Youghiogheny River			
Weather (circle one):	Snow Heavy Rain	Rain	Light Rain Ov	vercast Fair/Su	inny	Temp (°F):	≤32	33-40	41-50 51-60 60+		
Is maintenance required? Yes/No If ves, 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. Site Access, Gate and Parking

Are the access roads passable for operation and monitoring? Yes/No? Do the access roads or gate need maintenance? Yes/No? Describe maintenance performed and remaining (Identify location on Site Schematic.): ______

C. Vandalism and "Housekeeping"

Is there litter around or 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? Is there evidence of vandalism to the passive system? Yes/No? Additional comments:

D. Ditches, Channels, Spillways

Channel Identification	Erosion	Debris	Maintenance	Maintenance Performed and Remaining
onamier identification	Rills (Y/N)	Present (Y/N)	Performed (Y/N)	(Indicate ditch by number i.e. 2c = B3A Collection Channel)
1. Diversion Ditch				
2. Collection Channels				
a. B1 (above B1RAW)				
b. B3				
c. B3A				
3. Rock-Lined Spillways				
a. ACVFP (below ACVFPN)				
b. ACSPWL				
c. ACWL to Laurel Run				
d. B1VFP				
e. B1FP				
f. B1SP				
g. B1WL1				
h. B1WL2				
i. B1WL3				
j. B1B3VFP				
k. B1B3SPWL				
I. B1B3 HFLB to Laurel Run				

Rev 5/2006

Channel Identification	Erosion	Debris	Maintenance	Maintenance Performed and Remaining					
Channel Identification	Rills (Y/N)	Present (Y/N)	Performed (Y/N)	(Indicate ditch by number i.e. 2c = B3A Collection Channel)					
4. Emergency Spillways									
a. ACVFPS to ACVFPN									
b. ACFP to Trib C									
c. B1FP to ACWL									
d. B1B3FP to Laurel Run									
e. B3ASP									
f. B3SP									
5. Flushing/Primary Spillways									
a. ACVFPN									
b. ACFFPS									
c. B1VFP									

E. Passive Treatment System Components

Component	Erosion Rills (Y/N)	Berms Stable (Y/N)	Vegetation Successful (Y/N)	Siltation Significant (Y/N)	Water Level Change (Y/N)	Valves Operable (Y/N)	Maintenance Performed and Remaining Indicate which component i.e. ACWL
ACVFPN							
ACVFPS							
ACFP							
B1VFP							
ACSPWL							
ACWL							
B1FP							
B1SP							
B1WL1							
B1WL2							
B1WL3							
B1B3VFP							
B1B3FP							
B1B3SPWL							
B1B3HFLB							
B3ASP							1
B3SP							

F. Diversion Well (DW)

Is the Diversion Well effluent pipe flowing? Yes/No? If no, describe why and maintenance required.

(Determine level of stone in the Diversion Well with the marked rod. Lower rod into well. If mark on the rod is below the grate, add stone.) Is there limestone in the Diversion Well? Yes/No? If no, was it recharged during this inspection? Yes/No?

Does #10 limestone aggregate need to be ordered? Yes/No?

Describe maintenance performed and remaining: _

G. Culvert Condition

Culvert	Functioning Properly (Y/N)	Siltation/ Plugging Significant (Y/N)	Damaged, Crushed or Broken (Y/N)	Maintenace Performed and Remaining Indicate which culvert
Culvert 1				
Culvert 2				
Culvert 3				

H. Wildlife Utilization

Animal sighted or tracks observed _

Invasive plants observed _____

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

	A	CVFPN					ACVPS					B1VFP			B1B3VFP				
Pipe	2		FI	OW	Pipe		FI	Flow		2		Flow		Pipe	<u>л</u> Ц		Fl	OW	
#	рп	AIK.	gals.	Sec.	#	μι	AIK.	gals.	Sec.	#	рп	AIK.	gals.	Sec.	#	рп	Aik.	gals.	sec.
1V					9V					17V					21V				
1H					9H					17H					22V				
2V					10V					18V					23V				
2H					10H					18H					24V				
3H					11V					19V					25V				
3V					11H					19H					26V				
4V					12V					20V					27V				
4H					12H					20H					28V				
5V					13V					Identify	/ by nur	nber any	broken	, plugge	ed, or lea	aking pi	oes.		
5H					13H														
6V					14V														
6H					14H					1									
7V					15V					1									
7H					15H					1									
8V					16V														
8H					16H														

I. Flow Measurements for VFP – Use Bucket and Stopwatch method (Indicate no flow by entering "0" in Gallons Measured) [A maximum of 8 pipes will be discharging for ACVFPN, ACVFPS, and B1B3VFP. A maximum of 4 pipes will be discharging for B1VFP.]

Was ACFPN flushed? Yes/No

Was ACFPS flushed? Yes/No

Was B1VFP flushed? Yes/No

Was B1B3 flushed? Yes/No

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

Sampling	Ē	FIOW		(0°)	lity	(J/bu	mg/L)	Comments	Comments # #	# netals)	# metals)
Point	gals	sec.	Hď	Temp	Alkalir (mg/L)	DO (n	Iron (Bottle	Bottle (total ı	Bottle (diss.
ACRAW											
ACVFPN(composite)											
ACVFPS(composite)											
ACFP											
ACSPWL											
ACWL											
B1RAW											
B1VFP(composite)											
B1FP											
B1SP											
B1WL3											
B3ASP											
B3SP											
B1B3VFP(composite)											
B1B3SPWL											
B1B3HFLB											
DW RAW											
DW out											
LR BELOW TRIB C											
LR BELOW B3											
Trib. C (below DW)											

