

PASSIVE TREATMENT SYSTEM O&M INSPECTION REPORT

6/2007

Inspection Date: _____	Project Name: JB1 Phase I	
Inspected by: _____	Municipality: Smith Township	
Organization: _____	County: Washington	State: PA
Time Start: _____ End: _____	Project Coordinates: 40° 21' 40" Lat	80° 21' 33" Long
Receiving Stream: Raccoon Creek	Subwatershed: Raccoon Creek	Watershed: Ohio River

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

Is the access road passable for operation and monitoring? **Yes / No** Does the access road 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. Raccoon Creek @ SR8, Raccoon Creek Side Channel @ JB1A (CULV2), Raccoon Creek @ CULV 1,

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

E. Culverts 1 & 2

Does Culvert 1 need maintenance? **Yes / No** Does Culvert 2 need maintenance? **Yes / No**
 Describe Maintenance needed/performed? _____

Additional comments: _____

F. JB1 Wetland & Sampling Points 94-20, 94-21, JB1B, 94-23, and JB1C

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

Is any Maintenance needed? **Yes / No** If Yes, Check which elements of the Wetland require maintenance and provide further detail below

Element	√ if need	Maintenance needed
Vegetation		
Sediment and/or Sludge removal		
Short Circuiting		

Describe Maintenance performed? _____

Additional comments: _____

G. JB1 Abandoned Mine Discharge (JB1)

Sample closest Peri-Pipe to mine entry. Enter effluent pH, temp, alkalinity, flow and other field data as applicable in Section K.

Enter flow measurements from distribution Peri-Pipe risers below. Total calculated flows and enter for JB1 in Section K.

Pipe #	Volume	Time	Calculated Flow	Pipe #	Volume	Time	Calculated Flow	Pipe #	Volume	Time	Calculated Flow
1				8				15			
2				9				16			
3				10				17			
4				11				18			
5				12				19			
6				13				20			
7				14				21			

H. JB1 Abandoned Mine Discharge (JB1) Distribution System

Is any Maintenance needed? **Yes / No** If Yes, Check which elements of the System require maintenance and provide further detail below

Element	√ if need	Maintenance needed
Concrete Structure		
Distribution Line		
Peri-Pipe risers (include pipe #)		
Valves		

Is water flowing out of the manhole **Yes / No** What is the depth to water from the top of the manhole? _____

Describe Maintenance performed? _____

Additional comments: _____

I. Raccoon Creek Upstream (SL1)

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

Enter flow measurements from distribution Peri-Pipe risers below.

Pipe #	Volume	Time	Calculated Flow	Pipe #	Volume	Time	Calculated Flow	Pipe #	Volume	Time	Calculated Flow
1				8				15			
2				9				16			
3				10				17			
4				11				18			
5				12				19			
6				13				20			
7				14				21			

J. Raccoon Creek Cross Vane, Intake, and Distribution System

Is any Maintenance needed? **Yes / No** If Yes, Check which elements of the System require maintenance and provide further detail below

Element	√ if need	Maintenance needed
Cross Vane (stable, debris, sedimentation, etc)		
Concrete Intake Structure		
Distribution Line		
Peri-Pipe risers (include pipe #)		
Valves		

Does the intake system appear to be functioning properly? **Yes / No** Is there sufficient amount of stream water going through the system **Yes / No**

Does the Intake Structure or Distribution Line need to be cleaned out? **Yes / No** If Yes, was it cleaned out **Yes / No**

Describe Maintenance performed? _____

Additional comments: _____

K. Field Water Monitoring and Sample Collection

Water sample locations as marked on plan.

Sampling Point	Flow Measurements		Calculated Flow (gpm)	pH	ORP	Temp (°C)	Alkalinity (mg/L)	DO (mg/L)	Iron (mg/L)	Comments	Bottle #	Bottle # (total metals)	Bottle # (diss. metals)
	gals	sec.											
SR8													
JB1A													
CULV1													
94-20													
94-21													
JB1B													
94-23													
JB1C													
JB1													
SL1													