

## **BABB CREEK WATERSHED ASSOCIATION**

### **AMD TREATMENT SYSTEMS WATER MONITORING PLAN**

The following is the general water monitoring plan for all of the AMD treatment systems in the Babb Creek Watershed. Many systems have their own more detailed plans and they are to be followed.

All monitoring points are marked with the monitoring point ID # painted on a white sign attached to a metal post.

At least once a month, field water sample tests for pH and alkalinity will be taken on the final treated discharge from all systems. This information will be entered into the POWR database.

Once during high water flows, in late March or early April, and once during low water flows, in late August or early September, samples will be taken at the monitoring points listed on the attached water monitoring plan. These samples will be sent to a certified laboratory for the standard coal mining discharge analysis. If there is a suspected problem with the system, samples may be taken more frequently. Also flow measurements will be measured using a bucket and stop watch (where feasible) if two people are available. If not, flow will be estimated. Some systems have weirs on them and they can be used to determine flow. Sample results prior to March 2007 are in the DEP SIS database and after March 2007, will be entered into the POWR database.

# Babb Creek Watershed Water Monitoring Plan

Sample Collector No.: 4474  
 Reason: 05  
 Cost Center: 001  
 Sample Analysis Code: 750  
 Sample Medium Code: 200

Location	Mon. Pt. I.D.	Township	Frequency
<b>Arnot No. 2 Mine</b>			
<i>State Yard Treatment System</i>			
Raw Water	0.4	Bloss	Semi-Annually
Final Discharge from sm. Gravel pond	0.4A	Bloss	
<b>Arnot #2 SAPS/LR</b>			
<i>Mine Raw Water</i>			
SAPS	0.5	Bloss	High Water
Limestone Ramp	0.5B1	Bloss	March-April
	0.5B2		
<i>Lick Creek Diversion Wells</i>			
Dam Pool	1	Bloss	Low Water
Upper Well	2	Bloss	Late Aug.-Sept.
Lower Well	3	Bloss	
<b>Klondike Mine</b>			
Raw Water entering SAPS	11	Bloss	
Treated water leaving SAPS	11.0	Bloss	
<i>Red Run Diversion Wells</i>			
Dam Pool	8.3	Bloss	
East Well	8.4	Bloss	
West Well	8.41	Bloss	
<b>Bear Run Mine</b>			
<i>Small System</i>			
Raw Water	17.5	Bloss	
Treated Water	17.5A	Bloss	
<i>Large System</i>			
Raw Water	17.6	Bloss	
Treated Water	17.6A	Bloss	

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Sample Collector No.: 4474  
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 Sample Analysis Code: 750  
 Sample Medium Code: 200

Location	Mon. Pt. I.D.	Township	Frequency
Babb Creek above Wilson Creek	44	Morris	Semi-Annually
<b>Anna S Mine</b>			
<i>Anna S System</i>			
Anna S No. 1 Raw Water	46.4	Morris	High Water
Anna S No. 2 Raw Water	46.6	Morris	March-April
Vertical Flow Pond 1	46.41	Morris	
Vertical Flow Pond 2	46.42	Morris	
Vertical Flow Pond 3	46.43	Morris	Low Water
Vertical Flow Pond 4	46.44	Morris	Late Aug.-Sept.
Discharge from final wetland	46.45	Morris	
<b>Hunters Drift System</b>			
Raw Water	48.2	Morris	
Vertical Flow Pond 5	48.25	Morris	
Vertical Flow Pond 6	48.26	Morris	
Vertical Flow Pond 7	48.27	Morris	
Vertical Flow Pond 8	48.28	Morris	
Discharge from final wetland	48.29	Morris	
<b>Mitchell Mine</b>			
Raw Water	46.5	Morris	
Treated Water (when constructed)	46.5A	Morris	
<b>Babb Creek above Stony Fork Creek</b>			
	51	Morris	
<b>Rattler Mine</b>			
<i>Main System (A2-2)</i>			
Raw Water	57.1	Morris	
<i>Discharge from wetland</i>			
	57.1C	Morris	
<b>Next System (A2-3)</b>			
Raw Water	57.2	Morris	
Final Discharge	57.2A	Morris	
<b>Next System (A2-4)</b>			
Raw Water	57.3	Morris	
limestone Pond discharge	57.3A	Morris	
SAPS Discharge	57.3C	Morris	