

BACKGROUND/MONITORING REPORT

57.3

PRE CONSTRUCTION PA-49

Mine Name: Rattler Mine
 Operator: Babb Creek Water Association
 Permit No: SGL#268
 Township(s): Morris
 County(s): Tioga

Monitoring Point: A2-4 Raw
 Latitude:
 Longitude:
 Flow Measured By: Vappo Engineering
 Other (Specify):

Surface Elevation(MSL):
 Laboratory: Consolidated Penn Laboratories

INSTRUCTIONS: Use a separate sheet for each sample point and list results consecutively by date.

Date Sampled	Flow (gpm) Static Water Elevation	Field pH	Lab pH	Field Temp (C)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfates (mg/L)	Suspended Solids (mg/L)	Total Dissolved Solids (mg/L)	Specific Conductance (micromhos)	Type of Sample Relation to Mine Site, Treatment and Other Comments.
4/12/2001	200													
5/3/2001	50.3	2.50	2.50	0.0	825.9	140.96	3.96	43.52	844.3	2	1302	2018	JM	
5/17/2001	21.7	2.5	2.39	0.0	875.5	144.50	4.23	42.71	800.4	6		2072	JM	
5/24/2001	12.4	2.5	2.61	0.0	901.0	144.14	4.22	44.96	924.4	<2		2084	JM	
6/14/2001	3.8	2.5	2.59	0.0	900.9	152.34	5.76	47.45	977.0	<2		2110	JM	
7/6/2001	3.8	2.0	2.46	0.0	721.0	115.30	3.82	40.30	808.7	<2		1926	JM	
7/18/2001	5-10	2.5	2.58	0.0	750.5	117.15	3.91	38.64	846.1	<2		1998	JM	
8/7/2001	3.0	2.5	2.55	0.0	693.3	115.00	4.48	46.78	836.2	4		2116	JM	
8/31/2001	1.9	2.5	2.62	0.0	833.1	131.26	4.17	43.14	851.4	10		1949	JM	
9/17/2001	1.9												JM	
10/26/2001	2.2												JM	
11/28/2001	3.8												JM	
10/15/2002	8.9	2.56		0.0	789.9	136.63	4.94	40.52	714.0			1880	JM	
10/30/2002	10.6	2.53		0.0	735.5	125.55	4.66	38.63	747.6	<2		1806	JM	
11/13/2002	10.6	2.63		0.0	769.5	132.07	4.85	39.40	873.6	<2		1836	JM	
10/29/2003	3.0	2.94		0.0	248.7	31.28	3.32	15.74	312.2	16		1065	JM	

/D indicates the particular test was Not Determined. Metal results are for total metals unless otherwise specified.

BACKGROUND/MONITORING REPORT

Mine Name: Rattler Mine
 Operator: Babb Creek Water Association
 Permit No: SGL#268
 Township(s): Morris
 County(s): Tioga

POST CONSTRUCTION
PH-49

573A
 A2-4 Sett.

Flow Measured By: Vapco Engineering:
 Other (Specify):
 Surface Elevation(MSL):
 Laboratory: Consolidated Penn Laboratories

INSTRUCTIONS: Use a separate sheet for each sample point and list results consecutively by date.

Date Sampled	Flow (gpm) Static Water Elevation	Field pH	Lab pH	Field Temp (C)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfates (mg/L)	Suspended Solids (mg/L)	Total Dissolved Solids (mg/L)	Specific Conductance (micromhos)	Type of Sample Relation to Mine Site, Treatment and Other Comments.
10/29/2003		5.5	4.60		<1.0	53.2	0.93	4.05	4.10	666.9	26	1153	<i>Name of Sampler</i> JM	

N/D Indicates the particular test was Not Determined.
 Metal results are for total metals unless otherwise specified.

BACKGROUND/MONITORING REPORT

573C

Mine Name: Rattler Mine
 Operator: Babb Creek Water Association
 Permit No: SGL#268
 Township(s): Morris
 County(s): Tioga

POST CONSTRUCTION
 PA-49

Monitoring Point: VFR A24 SWS
 Latitude:
 Longitude:
 Flow Measured By: Vapco Engineering
 Other (Specify):
 Surface Elevation(MSL):
 Laboratory: Consolidated Penn Laboratories

INSTRUCTIONS: Use a separate sheet for each sample point and list results consecutively by date.

Date Sampled	Flow (gpm)/ Static Water Elevation	Field pH	Lab pH	Field Temp (C)	Alkalinity (mg/L)	Acidity (mg/L)	Iron (mg/L)	Manganese (mg/L)	Aluminum (mg/L)	Sulfates (mg/L)	Suspended Solids (mg/L)	Total Dissolved Solids (mg/L)	Specific Conductance (micromhos)	Type of Sample Relation to Mine Site, Treatment and Other Comments.	Name of Sampler
10/29/2003	27.5	6.5	6.91		88.1	18.3	0.08	3.06	<0.10	638.0	12		1248		JM
12/31/2003	50.0	6.0	4.45		0.0	131.1	4.50	4.26	18.67	546.0	26		950		JM

V/D indicates the particular test was Not Determined.

Metal results are for total metals unless otherwise specified.