

ACTIVE MINING OPERATIONS

<u>Operator</u>	<u>Location</u>	<u>Permit No.</u>
Union Clay Company	Pike Township North of Bridgeport (Area X)	4572BSM10 & 4574SM2
North American Refractories Co.	Bloom Township One half mile west of Greenwood Road	4573BSM2
J. H. France Refractories Co.	Bloom Township Adjacent to Korb Mine (Area XLVI)	4571BSM9
Harbison Walker Refractories Co.	Bloom Township Adjacent to Korb Mine (Area LXVI)	4570BSM6
Thomas Bros. Coal Co.	Union Township Hilltop south of Rockton	3266BSM125
Thomas Bros. Coal Co.	Brady & Bloom Townships Southwest of Chestnut Grove	4570BSM7
Clearfield Clay Company	Brady Township Southeast of Luthersburg (Adjacent to Area XXXII)	4572BSM11
J. H. France Refractories Co.	Union Township Holly #1 Tract (Area XXIX)	3269BSM16
Benjamin Coal Company	Bloom Township Chestnut Grove (Adjacent to Area XLI)	4570BSM2
Hepburnia Coal Company	Penn Township East of Hepburnia (Area XX)	4570BSM5
North American Refractories Co.	Bloom Township Greenville	4571BSM17

INITIAL SAMPLING LOCATIONS

<u>Sampling Point</u>	<u>Location</u>
1	Anderson Creek at Curwensville
2	Unnamed tributary to Anderson Creek 1/4 mile west of Curwensville
3	Mouth of Kratzer Run, a tributary of Anderson Creek
3A	Mouth of Bilger Run, a tributary to Kratzer Run
3A-1	Bilger Run just above confluence of Fenton Run
3A-2	Mouth of Fenton Run, a tributary of Bilger Run
3A-3	Unnamed tributary of Fenton Run, which enters Fenton Run about 1 mile upstream of mouth
3A-4	Unnamed tributary of Fenton Run; which enters Fenton Run about 1.6 miles upstream of mouth
3A-5	Fenton Run just upstream of confluence of 3A-4
3A-6	Bilger Run just upstream of confluence of 3A-7
3A-7	Mouth of Hughey Run, a tributary of Bilger Run
3B	Unnamed tributary to Kratzer Run, 2.1 miles upstream of mouth of Kratzer Run
3C	Mouth of unnamed tributary of Kratzer Run at Stronach
3D	Unnamed tributary to Kratzer Run, just north of Grampian
3E	Unnamed tributary to Kratzer Run, north of Hepburnia
3F	Kratzer Run upstream of entry of 3E

INITIAL SAMPLING LOCATIONS (CONTD.)

<u>Sampling Point</u>	<u>Location</u>
3G	Unnamed tributary of Kratzer Run, north of Hepburnia
3H	Unnamed tributary of Kratzer Run, at Hepburnia
3I	Kratzer Run upstream from 3H
3J	Settling pond, no direct outlet to stream, some seepage
4	Unnamed tributary to Anderson Creek
5	Mouth of Bear Run, a tributary to Anderson Creek
6	Mouth of Irvin Branch, a tributary to Anderson Creek
7	Unnamed tributary of Anderson Creek
8	Unnamed tributary of Anderson Creek
9	Unnamed tributary of Anderson Creek
10	Unnamed tributary of Anderson Creek
11	Mouth of Panther Run, a tributary of Anderson Creek
12	Mouth of Little Anderson Creek, a tributary of Anderson Creek
12A	Mouth of Rock Run, a tributary of Little Anderson Creek
12B	Unnamed tributary of Little Anderson Creek
12C	Unnamed tributary of Little Anderson Creek
12D	Unnamed tributary of Little Anderson Creek
12E	Little Anderson Creek upstream from entry of 12F
12F	Unnamed tributary of Little Anderson Creek

INITIAL SAMPLING LOCATIONS (CONTD.)

<u>Sampling Point</u>	<u>Location</u>
12G	Little Anderson Creek upstream of 12H
12H	Unnamed tributary of Little Anderson Creek
12I	Underground Stream entering Little Anderson Creek
13	Unnamed tributary of Anderson Creek
14	Unnamed tributary of Anderson Creek
15	Unnamed tributary of Anderson Creek
16	Unnamed tributary of Anderson Creek
17	Unnamed tributary of Anderson Creek
18	Anderson Creek below dam of DuBois Reservoir
19	Mouth of Montgomery Run, a tributary of Anderson Creek
20	Mouth of Dressler Run, a tributary of Anderson Creek
21	Unnamed tributary into DuBois Reservoir
22	Anderson Creek at ingress to DuBois Reservoir
23	Mouth of Stoney Run, a tributary to Anderson Creek

INITIAL STREAM SAMPLES

SAMPLE NO.	SAMPLING POINT	FLOW G.P.M.	pH	ACIDITY Mg/L	ACIDITY Lb./Day	TOTAL IRON Mg/L	TOTAL IRON Lb./Day	FERROUS IRON Mg/L	SULFATE Mg/L
1	1	10,473	4.3	28	3,523	0.36	45.30	0.06	170
1	1	15,709	4.6	25	4,719	0.33	62.29	0.02	42
2	2	180	4.3	30	65	0.36	0.78	0.10	150
2	2	718	5.2	5	43	0.09	0.78	0.02	17
3	3	1,077	4.8	7	91	0.29	3.75	0.06	170
3	3	8,079	4.7	11	1,068	0.39	37.86	0.02	110
4	3A	90	4.3	103	111	8.50	9.16	0.18	270
4	3A	1,257	4.0	152	2,295	0.69	10.42	0.20	256
5	3B	60	5.4	20	14	1.00	0.72	0.03	18
5	3B	539	4.7	3	19	0.20	1.29	0.02	57
6	3C	431	5.7	20	104	2.36	12.22	0.02	16
6	3C	718	5.3	6	52	0.20	1.73	0.02	17
7	3D	19	5.6	30	7	0.63	0.15	0.06	91
7	3D	90	5.2	0	0	0.26	0.28	0.02	30
8	3E	571	5.7	80	549	35.00	290.21	5.20	155
8	3E	1,257	6.0	0	0	1.60	24.16	0.02	17
9	3F	13	5.4	20	3	0.54	0.08	0.02	96

INITIAL STREAM SAMPLES (CONTD.)

SAMPLE NO.	SAMPLING POINT	FLOW G.P.M.	pH	ACIDITY Mg/L	ACIDITY Lb/Day	TOTAL IRON Mg/L	TOTAL IRON Lb/Day	FERROUS IRON Mg/L	SULFATE Mg/L	
9	3F	231	5.5	0	0	0.23	0.64	0.03	52	
10	3G	DRIED UP								
	3G									
11	3H	1	4.4	30	1	0.36	0.39	0.03	106	
10	3H	106	5.2	4	5	0.26	24.93	0.03	56	
12	3I	82	5.2	0	0	2.20	2.16	0.06	82	
11	3I	224	5.3	4	11	0.34	0.92	0.08	36	
13	3J	NO FLOW	5.1	300	0	9.3	0	1.20	135	
12	3J	69	5.7	0	0	2.90	2.40	0.06	49	
14	3A-3	299	5.3	50	180	0.23	0.83	0.03	67	
37	3A-3	943	4.5	9	102	0.85	9.63	0.08	35	
15	3A-4	808	5.4	40	388	0.72	6.99	0.06	20	
38	3A-4	1,436	5.0	4	69	2.70	46.59	0.06	18	
16	3A-5	385	5.8	20	92	2.06	9.52	0.08	12	
39	3A-5	1,122	5.0	7	94	2.76	37.21	0.13	17	
17	3A-6	75	4.4	100	90	15.30	13.75	0.60	145	
40	3A-6	67	4.2	18	15	0.34	0.27	0.08	15	

INITIAL STREAM SAMPLES (CONTD.)

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18	3A-7	421	3.8	130	657	5.00	35.27	0.13	300
41	3A-7	898	5.7	36	388	2.76	29.77	0.06	156
19	3A-8	13	4.5	30	5	22.00	3.38	1.55	120
34	3A-8	45	4.8	4	2	2.26	1.22	0.03	15
20	3A-1	306	4.2	42	154	0.61	2.24	0.10	200
35	3A-1	1,010	4.0	28	340	5.0	60.67	0.10	165
21	3A-2	539	4.4	30	194	0.26	1.68	0.02	33
36	3A-2	1,047	4.7	11	138	3.60	45.30	0.12	17
22	7	37	5.3	0	0	0.29	0.13	0.08	13
45	7	224	3.6	111	299	4.10	11.05	0.02	115
23	4	90	5.1	40	43	0.29	0.31	0.03	12
42	4	337	4.2	12	49	1.50	6.07	0.03	20
24	5	224	4.1	20	54	0.54	1.46	0.10	9
43	5	269	4.5	7	23	0.16	0.52	0.02	11
25	6	120	3.6	20	43	0.83	1.19	0.10	21
44	6	898	5.1	4	43	0.12	1.29	0.02	8
26	14	224	5.4	2	5	0.24	0.65	0.06	20

INITIAL STREAM SAMPLES (CONTD.)

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25	14	180	5.9	0	0	0.10	0.22	0.02	23
27	13	199	5.3	4	10	0.26	0.62	0.02	19
24	13	598	4.9	7	50	1.20	8.63	0.02	16
28	15	748	5.5	0	0	0.20	1.80	0.03	148
23	15	748	4.9	20	180	0.21	1.89	0.03	120
29	16	359	5.4	3	13	0.39	1.68	0.08	13
26	16	539	7.4	0	0	0.19	1.23	0.03	12
30	18	7,481	5.7	0	0	0.29	26.06	0.06	11
28	18	2,693	4.9	4	129	0.30	9.71	0.02	13
31	17	30	5.0	40	14	5.70	2.12	0.18	16
27	17	30	5.2	5	2	0.10	0.04	0.02	12
32	19	60	4.7	200	144	26.50	19.04	2.10	105
29	19	105	5.9	12	15	5.90	7.45	0.20	44
33	20	898	5.6	0	0	1.94	20.92	0.02	40
30	20	1,496	5.5	0	0	1.36	24.45	0.02	16
34	21	269	5.7	0	0	2.26	7.31	0.06	78



INITIAL STREAM SAMPLES (CONTD.)

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31	21	419	5.5	0	0	0.34	1.71	0.02	24
35	22	205	5.4	50	123	2.70	6.64	0.06	64
32	22	2,693	5.3	5	162	0.44	14.24	0.02	13
36	23	54	5.7	30	19	2.20	1.42	0.02	72
33	23	180	5.3	6	13	0.50	1.08	0.02	12
37	12-F	561	3.4	50	337	5.8	39.09	0.03	150
15	12-F	50	3.9	12	7	1.80	1.08	0.08	20
38	12-E	3,501	5.9	20	841	2.90	121.98	0.18	216
14	12-E	4,039	4.2	3	146	1.70	82.51	0.10	100
39	3A-9	NO FLOW	6.1	0	0	20.8	0	0.40	160
13	3A-9	NO FLOW	4.5	24	0	6.76	0	0.06	186
40	12-H	1,036	4.0	6	75	1.94	24.14	0.03	125
16	12-H	1,616	5.1	6	116	1.20	23.30	0.02	21
41	12-G	698	4.8	6	58	5.0	47.93	0.02	193
17	12-G	1,496	4.8	7	126	1.30	23.37	0.06	110
42	12-A	2,244	3.3	60	1,618	1.80	48.53	0.06	235
18	12-A	3,366	6.0	25	1,011	1.36	55.01	0.03	156

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43	12-B	1,282	3.1	100	1,541	20.8	320.47	0.10	225
19	12-B	1,795	3.3	74	1,596	6.90	148.84	0.08	190
44	12-1	100	3.1	110	132	80	95.82	1.55	205
20	12-1	75	3.6	70	63	5.90	5.30	0.03	90
45	12-C	623	2.9	320	2,397	27.80	208.20	0.73	380
21	12-C	1,197	3.0	410	5,896	24.70	355.18	0.80	275
46	12-D	38	3.6	30	14	2.20	1.02	0.06	165
22	12-D	1,122	3.7	124	1,672	3.0	40.44	0.02	145
47	8	224	3.4	39	105	0.16	0.43	0.02	130
46	8	718	4.2	26	224	0.27	2.33	0.03	41
48	9	281	3.7	6	20	0.10	0.34	0.03	105
47	9	561	4.5	7	47	0.09	0.61	0.03	13
49	10	DRIED UP							
	10								
50	11	100	4.4	6	7	0.18	0.22	0.06	8

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48	11	718	4.6	16	138	0.09	0.78	0.02	10
51	12	120	3.3	40	57	3.60	5.17	0.06	155
49	12	718	3.7	24	207	4.4	37.96	0.03	130