

EXHIBIT H

Commonwealth of Pennsylvania
Department of Mines and Mineral Industries

**MD Pollution Abatement Measures
for the Beech Creek Watershed**

**MD VOLUMES, CONSTITUENTS AND CHARACTERISTICS MEASURED
AT EACH DISCHARGE POINT DURING
GAUGING, SAMPLING AND ANALYTICAL PROGRAM**

Dis-charge Point(1)	Low Ground Water						Average Ground Water						High Ground Water					
	Avg. Daily Rate (gpm)	pH Range	Total Iron		Acid (as CaCO ₃)		Avg. Daily Rate (gpm)	pH Range	Total Iron		Acid (as CaCO ₃)		Avg. Daily Rate (gpm)	pH Range	Total Iron		Acid (as CaCO ₃)	
			mg/1	lbs/day	mg/1	lbs/day			mg/1	lbs/day	mg/1	lbs/day			mg/1	lbs/day	mg/1	lbs/day
1	0.0	—	—	0.00	—	0.0	7.0	3.6-4.1	0.2	0.02	150	12.6	11.5	4.0-4.1	0.2	0.03	142	19.5
2	0.0	—	—	0.00	—	0.0	0.0	—	—	0.00	—	0.0	0.0	—	—	0.00	—	0.0
3	0.0	—	—	0.00	—	0.0	0.0	—	—	0.00	—	0.0	0.0	—	—	0.00	—	0.0
4	3.2	2.7-4.2	2.7	0.10	322	12.4	5.5	3.2-4.0	2.0	0.13	300	19.8	6.7	3.7-3.9	0.6	0.05	263	21.1
5	24.8	2.7-3.7	15.0	4.46	661	197.0	45.0	2.8-3.5	10.0	5.40	560	303.0	59.0	2.8-2.9	13.8	9.77	435	308.0
6	0.6	3.9-5.2	6.3	0.05	66	0.5	4.0	3.7-4.5	5.5	0.26	70	3.4	6.2	3.5-4.0	4.2	0.31	76	5.7
7	0.1	2.9-3.0	17.1	0.02	128	0.2	1.0	2.8-3.0	21.0	0.25	130	1.6	1.6	2.8-2.9	26.4	0.51	133	2.6
8	3.6	3.0-3.6	4.4	0.19	390	16.8	9.0	3.0-3.6	3.6	0.39	370	40.0	12.5	3.1-3.4	2.8	0.42	338	50.7
9	3.1	2.6-3.0	30.1	1.12	800	29.8	16.0	2.6-3.1	22.0	4.23	700	135.0	24.2	2.7-3.1	13.5	3.92	550	160.0
10	0.0	—	—	0.00	—	0.0	0.0	—	—	0.00	—	0.0	0.0	—	—	0.00	—	0.0
11	36.0	2.5-3.0	222.0	95.90	1,880	812.0	130.0	2.5-3.0	265.0	414.00	1,960	3,060.0	200.0	2.6-2.7	310.0	764.00	2,030	4,870.0
12	1.6	2.9-3.0	21.0	0.40	190	3.6	3.6	2.9-3.4	27.0	1.17	185	8.0	5.0	3.0-3.4	32.1	1.93	176	10.6
13	0.9	3.2-3.7	1.9	0.02	108	1.2	12.0	3.1-3.7	2.5	0.36	140	20.2	18.0	3.1-3.2	3.2	0.69	162	35.0
14	0.1	3.7-4.0	0.7	0.00	261	0.3	0.3	3.7-4.0	1.0	0.00	270	1.0	0.4	3.7-3.8	1.1	0.01	278	1.3
15	0.5	2.5-2.8	23.1	0.14	517	3.1	5.5	2.5-2.8	55.0	3.63	680	44.9	8.9	2.5-2.7	80.9	8.64	819	87.6
16	0.5	2.6-3.6	36.8	0.22	218	1.3	2.5	2.6-3.6	25.0	0.75	215	6.5	3.5	3.0-3.3	17.5	0.74	208	8.7
17	0.0	4.3-4.8	0.4	0.00	33	0.0	0.2	4.2-4.9	0.3	0.00	40	0.1	0.3	4.2-4.9	0.1	0.00	43	0.2
18	1.3	6.7-8.2	9.2	0.14	0	0.0	4.5	6.0-7.5	15.0	0.81	0	0.0	6.3	6.0-7.0	18.4	1.39	0	0.0
19	0.9	2.9-3.5	2.8	0.03	171	1.8	6.0	2.8-3.4	2.5	0.18	150	10.8	9.3	2.7-3.3	2.3	0.26	130	14.5
20	1.4	2.8-3.0	7.4	0.12	156	2.6	4.0	2.8-3.0	7.5	0.36	145	7.0	6.3	2.8-2.9	8.0	0.60	134	10.1
21	11.4	3.8-4.1	0.1	0.01	60	8.2	28.0	3.8-4.1	0.1	0.03	60	20.2	38.0	4.0-4.1	0.1	0.05	61	27.8
22	0.2	3.4-3.7	2.5	0.01	53	0.1	1.0	3.4-3.9	1.5	0.02	60	0.7	1.2	3.7-3.9	0.3	0.00	60	0.9
23	21.9	3.2-3.4	2.6	0.68	102	26.8	100.0	3.2-3.4	2.0	2.40	95	114.0	155.0	3.2-3.4	1.3	2.42	85	158.0
24	0.0	—	—	0.00	—	0.0	0.0	—	—	0.00	—	0.0	0.0	—	—	0.00	—	0.0
25	0.3	2.9-3.8	11.2	0.04	978	3.5	1.2	2.9-3.8	7.0	0.10	750	10.8	1.7	3.2-3.8	0.8	0.02	525	10.7
26	1.6	2.9-3.3	7.2	0.14	929	17.8	2.5	2.9-3.3	13.0	0.39	965	29.0	3.0	2.9-3.3	18.0	0.65	1,000	36.0
27	0.0	—	—	0.00	—	0.0	0.0	—	—	0.00	—	0.0	0.0	—	—	0.00	—	0.0
28	0.0	4.6-4.7	0.1	0.00	32	0.0	1.0	3.8-4.8	0.5	0.01	30	0.4	1.3	3.5-5.0	0.9	0.01	30	0.5
29	0.5	5.9-7.3	5.4	0.03	0	0.0	1.8	6.0-7.0	5.7	0.12	0	0.0	2.3	6.0-6.6	6.0	0.17	0	0.0
30	0.3	6.3-7.3	2.4	0.01	0	0.0	0.6	6.3-7.0	2.0	0.01	0	0.0	0.8	6.3-6.5	1.2	0.01	0	0.0
31	0.1	6.0-7.5	0.9	0.00	0	0.0	0.3	6.0-7.0	0.9	0.00	5	0.0	0.4	6.0-6.3	0.8	0.00	12	0.1
32	0.9	6.6-7.9	0.6	0.01	0	0.0	2.2	6.5-7.5	1.0	0.03	0	0.0	3.0	6.4-7.1	1.6	0.06	0	0.0
33	35.0	7.1-7.7	0.2	0.08	0	0.0	80.0	7.0-7.9	0.2	0.19	0	0.0	111.0	6.6-7.9	0.1	0.13	0	0.0
34	46.0	6.5-7.2	1.2	0.66	7	3.9	90.0	6.5-7.5	1.0	1.08	15	16.2	107.0	6.8-7.5	0.4	0.51	21	27.0
35	13.0	3.4-3.7	1.6	0.25	70	10.9	32.0	3.3-3.7	1.5	0.58	70	26.9	43.0	3.3-3.7	1.0	0.52	70	36.1
36	0.4	3.2-5.6	2.3	0.01	17	0.1	2.0	4.0-5.7	1.5	0.04	15	0.4	2.6	5.0-5.7	0.1	0.00	11	0.3
37	1.3	3.6-4.9	19.8	0.31	38	0.6	3.0	3.0-4.5	40.0	1.44	100	3.6	3.8	2.7-4.0	58.6	2.67	161	7.3

Low Ground Water							Average Ground Water						High Ground Water					
Dis-charge Point(1)	Avg. Daily Rate (gpm)	pH Range	Total Iron		Acid (as CaCO ₃)		Avg. Daily Rate (gpm)	pH Range	Total Iron		Acid (as CaCO ₃)		Avg. Daily Rate (gpm)	pH Range	Total Iron		Acid (as CaCO ₃)	
			mg/l	lbs/day	mg/l	lbs/day			mg/l	lbs/day	mg/l	lbs/day			mg/l	lbs/day	mg/l	lbs/day
38	0.8	5.6-6.2	0.4	0.00	17	0.2	2.0	5.0-6.0	0.4	0.01	15	0.4	3.0	4.3-5.8	0.4	0.01	14	0.5
39	3.2	5.3-6.8	0.0	0.00	23	0.9	15.0	5.0-6.5	0.0	0.00	20	3.6	21.0	5.0-5.8	0.0	0.00	13	3.3
40	0.6	3.7-4.5	1.9	0.01	41	0.3	6.0	3.5-4.5	1.2	0.09	40	2.9	9.3	3.4-4.5	0.3	0.03	34	3.8
41	7.0	3.1-3.2	2.0	0.17	151	12.7	17.0	3.1-3.3	3.0	0.61	150	30.6	22.0	3.1-3.3	3.7	0.98	141	37.2
42	11.0	3.9-5.7	24.1	3.18	28	3.7	17.0	4.0-6.0	20.0	4.08	30	6.1	20.0	4.4-6.0	17.4	4.18	29	7.0
43	9.4	3.5-5.4	0.2	0.02	85	9.6	35.0	3.5-4.5	0.3	0.13	110	46.2	51.0	3.6-3.7	0.4	0.24	138	84.5
44	2.8	6.5-7.4	1.3	0.04	4	0.1	18.0	6.0-7.0	1.0	0.22	10	2.2	29.0	5.4-6.0	0.5	0.17	16	5.6
45	6.3	4.2-6.0	3.2	0.24	24	1.8	15.0	4.0-6.0	4.0	0.72	25	4.5	19.0	3.9-5.4	4.6	1.05	26	5.9
46	54.0	2.9-3.1	20.2	13.10	438	284.0	160.0	2.9-3.4	15.0	28.80	400	769.0	226.0	3.1-3.4	8.5	23.10	374	1,010.0
47	17.5	3.0-3.5	11.6	2.44	121	25.4	40.0	3.0-3.5	10.0	4.80	120	57.6	52.0	3.1-3.2	7.7	4.80	112	69.9
48	9.2	3.0-3.2	6.2	0.68	89	9.8	16.0	3.0-3.2	10.0	1.92	95	18.3	20.0	3.0-3.2	16.3	3.91	103	24.7
49	1.0	3.2-3.6	6.8	0.08	64	0.8	3.0	3.2-3.9	6.0	0.22	50	1.8	4.5	3.7-3.9	5.1	0.28	30	1.6
50	0.7	3.9-5.1	1.4	0.01	47	0.4	2.0	4.0-5.0	1.0	0.02	55	1.3	2.3	4.0-4.8	0.4	0.01	68	1.9
51	7.3	3.3-3.8	1.7	0.15	116	10.2	18.0	3.3-4.2	2.0	0.43	110	23.8	26.0	3.3-4.5	2.2	0.69	101	31.5
52	0.4	6.5-6.9	5.6	0.03	7	0.0	12.0	6.3-7.3	3.0	0.43	6	0.9	19.0	6.3-7.5	1.0	0.23	5	1.1
53	9.4	3.7-4.1	0.6	0.07	65	7.3	28.0	3.5-4.1	0.5	0.17	70	23.5	39.0	3.5-4.0	0.4	0.19	76	35.6
54	1.0	6.3-7.1	3.7	0.04	14	0.2	2.0	6.3-7.2	3.0	0.07	10	0.2	2.5	6.4-7.2	1.8	0.05	0	0.0
55	1.7	6.2-7.2	1.1	0.02	11	0.2	7.0	6.0-7.0	3.0	0.25	10	0.8	10.0	5.9-6.4	4.6	0.55	6	0.7
56	0.2	3.2-3.4	5.8	0.01	53	0.1	0.8	3.1-3.4	5.0	0.05	50	0.5	1.0	3.1-3.3	4.7	0.06	46	0.6
57	1.4	3.1-3.3	5.5	0.09	74	1.2	4.0	3.1-3.3	10.0	0.48	80	3.8	6.0	3.1-3.3	13.1	0.94	90	6.5
58	1.3	3.3-3.7	3.9	0.06	43	0.7	6.0	3.3-3.7	6.0	0.43	55	4.0	8.3	3.3-3.7	12.6	1.25	66	6.6
59	0.2	3.6-6.4	4.6	0.01	19	0.0	4.0	3.6-6.0	4.5	0.22	25	1.2	5.5	3.7-5.7	4.3	0.28	30	2.0
60	66.8	2.9-3.6	58.8	47.10	263	211.0	140.0	2.9-3.9	55.0	92.50	250	420.0	190.0	3.1-3.9	48.4	110.00	220	502.0
61	7.4	4.7-6.2	1.4	0.12	18	1.6	50.0	4.7-6.0	1.0	0.60	18	10.8	75.0	4.7-5.2	0.5	0.45	19	17.1
62	1.0	3.1-4.2	1.8	0.02	110	1.3	5.0	3.1-4.0	1.5	0.09	110	6.6	8.0	3.1-3.2	0.9	0.09	110	10.6
63	0.0	2.9-3.6	1.9	0.00	212	0.0	3.0	2.8-3.5	4.0	0.14	320	11.5	5.3	2.8-3.0	6.2	0.39	428	27.2
64	2.5	3.6-3.8	0.1	0.00	44	1.3	10.0	3.3-3.9	0.1	0.01	45	5.4	15.3	3.3-3.9	0.2	0.04	49	9.0
65	0.0	3.4-3.7	2.2	0.00	56	0.0	20.0	3.2-3.8	4.0	0.96	55	13.2	34.0	3.2-3.8	5.0	2.04	57	23.3
66	1.7	3.4-3.9	0.5	0.01	37	0.8	5.0	2.8-4.0	0.5	0.03	35	2.1	6.8	2.8-4.0	0.5	0.04	33	2.7
67	20.0	2.7-2.9	28.8	6.91	518	124.0	35.0	2.7-2.9	32.0	13.50	530	223.0	44.0	2.7-2.9	35.2	18.60	541	286.0
68	0.1	3.1-4.0	18.6	0.02	58	0.1	2.5	3.0-4.0	10.0	0.30	50	1.5	3.8	3.0-3.6	1.4	0.06	35	1.6
69	8.0	2.9-3.3	2.9	0.29	116	11.1	24.0	2.9-3.3	3.5	1.01	125	36.0	33.0	3.0-3.2	4.4	1.74	132	52.3
70	0.2	3.0-5.8	1.0	0.00	39	0.1	0.7	3.5-5.5	3.0	0.03	25	0.2	1.0	4.6-5.0	4.6	0.06	13	0.2
71	0.0	3.6-4.2	2.3	0.00	34	0.0	0.2	3.5-4.0	1.2	0.00	40	0.1	0.2	3.5-3.6	0.4	0.00	48	0.1
72	19.5	5.8-6.4	0.1	0.02	18	4.2	80.0	5.0-6.2	1.0	0.96	15	14.4	121.0	4.8-6.0	1.7	2.47	11	16.0
73	0.0	—	—	0.00	—	0.0	0.0	—	—	0.00	—	0.0	0.0	—	—	0.00	—	0.0
74	0.0	—	—	0.00	—	0.0	0.0	—	—	0.00	—	0.0	0.0	—	—	0.00	—	0.0
75	0.4	3.9-6.1	0.2	0.00	75	0.4	2.0	3.9-5.5	0.3	0.01	95	2.3	3.0	3.9-4.0	0.3	0.01	112	4.0
76	1.4	4.2-4.8	0.3	0.01	40	0.7	30.0	4.2-4.8	0.2	0.07	40	14.4	47.0	4.3-4.7	0.1	0.06	35	19.7
77	0.5	3.2-4.0	0.3	0.00	108	0.6	5.0	3.2-4.0	0.2	0.01	100	6.0	8.0	3.4-4.0	0.2	0.02	80	7.7
78	2.0	2.6-3.1	108.0	2.59	1,370	32.9	10.0	2.6-3.1	100.0	12.00	1,200	144.0	13.3	2.7-2.8	85.2	13.60	1,010	161.0
79	2.0	2.6-3.0	14.9	0.36	986	23.7	20.0	2.6-3.0	12.0	2.88	800	192.0	30.0	2.8-2.9	9.7	3.49	584	210.0
80	1.0	2.4-2.7	128.0	1.54	1,360	16.3	2.0	2.4-2.7	125.0	3.00	1,360	32.7	3.0	2.4-2.5	118.0	4.25	1,360	49.0
81	7.8	3.5-3.8	0.5	0.05	82	7.8	40.0	3.5-3.8	0.4	0.19	75	36.0	59.3	3.5-3.8	0.2	0.14	68	48.4
82	0.8	3.4-3.8	2.7	0.03	42	0.4	9.0	3.4-4.0	1.5	0.16	40	4.3	14.0	3.8-4.0	0.1	0.02	36	6.0
83	1.5	3.0-3.5	1.6	0.03	299	5.4	25.0	3.0-3.5	2.0	0.60	360	108.0	37.7	3.0-3.1	2.6	1.18	412	186.0
84	0.7	4.0-5.9	15.7	0.13	38	0.3	9.0	4.0-5.5	10.0	1.08	35	3.8	13.8	4.2-5.0	0.6	0.10	26	4.3
85	2.3	2.8-3.0	25.4	0.70	177	4.9	28.0	2.8-3.1	32.0	10.75	170	57.1	44.0	2.9-3.1	38.0	20.10	157	82.9
86	33.8	3.0-3.2	10.3	4.18	179	72.6	145.0	3.0-3.2	7.5	13.05	150	261.0	218.0	3.1-3.2	4.5	11.80	106	277.0
87	6.4	3.1-3.7	7.3	0.56	129	9.9	16.0	3.0-3.7	8.0	1.54	125	24.0	22.5	3.0-3.3	9.1	2.46	117	31.6
88	1.4	3.3-3.8	1.3	0.02	55	0.9	4.0	3.2-3.8	1.5	0.07	60	2.9	5.7	3.2-3.7	1.8	0.12	62	4.2

Low Ground Water							Average Ground Water						High Ground Water					
Dis-charge Point(1)	Avg. Daily Rate (gpm)	pH Range	Total Iron		Acid (as CaCO ₃)		Avg. Daily Rate (gpm)	pH Range	Total Iron		Acid (as CaCO ₃)		Avg. Daily Rate (gpm)	pH Range	Total Iron		Acid (as CaCO ₃)	
			mg/l	lbs/day	mg/l	lbs/day			mg/l	lbs/day	mg/l	lbs/day			mg/l	lbs/day	mg/l	lbs/day
89	1.2	2.7-3.2	9.8	0.14	151	2.2	12.0	2.7-3.4	6.0	0.86	130	18.7	20.0	3.2-3.4	3.1	0.74	102	24.5
90	0.1	2.9-3.0	5.8	0.01	134	0.2	0.5	2.9-3.2	9.0	0.05	135	0.8	0.6	2.9-3.2	11.8	0.08	138	1.0
91	0.1	2.8-3.4	8.2	0.01	504	0.6	0.3	2.7-3.2	13.0	0.05	620	2.2	0.5	2.7-2.8	17.0	0.10	724	4.3
92	0.0	—	—	0.00	—	0.0	0.0	—	—	0.00	—	0.0	0.0	—	—	0.00	—	0.0
93	142.0	2.9-3.4	50.9	86.70	170	290.0	550.0	2.9-3.4	45.0	297.00	180	1,190.0	813.0	3.0-3.4	41.8	408.00	192	1,870.0
94	4.8	3.2-3.8	0.7	0.04	124	7.1	20.0	3.1-3.9	0.8	0.19	115	27.6	31.8	3.1-3.9	0.8	0.31	96	36.6
95	2.8	3.0-3.5	6.5	0.22	123	4.1	12.0	3.0-3.5	6.0	0.86	120	17.3	16.7	3.1-3.2	5.4	1.08	117	23.4
96	0.6	3.1-3.4	2.8	0.02	498	3.6	1.2	3.1-3.7	2.5	0.04	375	5.4	1.5	3.3-3.7	1.7	0.03	210	3.8
97	5.6	2.9-3.1	7.4	0.50	266	17.9	65.0	3.0-4.0	7.0	5.46	250	195.0	107.0	3.1-5.2	6.2	7.96	243	312.0
98	0.0	—	—	0.00	—	0.0	0.0	—	—	0.00	—	0.0	0.0	—	—	0.00	—	0.0
99	3.4	3.6-4.5	1.9	0.08	1,140	46.5	15.0	3.6-4.5	1.5	0.27	900	162.0	20.5	4.0-4.5	0.9	0.22	623	153.0
100	5.9	6.0-6.8	3.1	0.22	16	1.1	12.0	5.9-6.5	2.5	0.36	10	1.4	16.7	5.9-6.1	2.0	0.40	9	1.8
101	0.1	4.5-5.8	37.5	0.05	26	0.0	0.5	5.0-6.0	35.0	0.21	25	0.2	0.6	5.4-6.1	29.1	0.21	20	0.1
102	0.2	3.9-4.6	0.1	0.00	463	1.1	0.4	4.0-4.8	0.1	0.00	475	2.3	0.5	4.1-4.9	0.1	0.00	481	2.9
103	0.1	3.7-4.6	0.1	0.00	1,190	1.4	0.3	3.5-4.5	0.3	0.00	1,260	4.5	0.4	3.4-4.2	0.1	0.00	1,320	6.3
104	14.0	4.7-6.3	0.8	0.13	13	2.2	55.0	5.0-6.0	0.5	0.33	15	9.9	84.0	5.0-5.9	0.1	0.10	18	18.1
105	59.3	2.9-3.1	25.3	18.00	496	353.0	550.0	2.9-3.6	27.5	181.50	800	5,280.0	975.0	3.0-3.6	29.1	340.00	1,050	12,300.0
106	0.5	3.5-4.1	2.2	0.01	45	0.3	2.0	3.5-4.3	2.2	0.05	40	1.0	3.0	4.2-4.3	2.2	0.08	38	1.4
107	9.4	3.6-4.1	0.7	0.08	51	5.8	60.0	3.6-4.2	1.5	1.08	50	36.0	95.3	3.7-4.2	1.8	2.06	42	48.0
108	3.4	3.0-3.6	8.6	0.35	157	6.4	20.0	3.0-3.6	7.0	1.68	170	40.8	32.0	3.0-3.4	5.6	2.15	186	71.4
109	0.0	3.5-4.0	0.4	0.00	50	0.0	1.0	3.5-4.0	0.3	0.00	60	0.7	2.0	3.5-3.8	0.2	0.00	67	1.6
110	0.1	2.5-3.0	169.0	0.20	1,610	1.9	1.2	2.5-3.3	145.0	2.09	1,610	23.2	2.0	2.5-3.3	114.0	2.74	1,610	38.6
111	40.6	2.7-2.9	29.3	14.30	872	425.0	95.0	2.7-3.0	26.0	29.60	820	935.0	133.0	2.7-3.0	23.5	37.50	757	1,210.0
112	340.0	2.7-2.9	41.3	169.00	885	3,610.0	550.0	2.7-3.0	35.0	231.00	800	5,280.0	686.0	2.8-3.0	25.6	211.00	688	5,660.0
113	0.0	3.3-3.7	0.6	0.00	316	0.0	175.0	3.0-3.5	7.5	15.80	550	1,160.0	320.0	2.8-3.2	12.9	49.50	796	3,060.0
114	1.7	3.4-3.6	1.0	0.02	322	6.6	4.0	3.4-3.6	1.0	0.05	300	14.4	5.3	3.5-3.6	0.7	0.04	271	17.2
115	2.1	3.5-3.7	0.8	0.02	437	11.0	18.0	3.5-3.8	0.8	0.17	380	82.1	31.0	3.5-3.8	0.8	0.30	311	116.0
116	1.5	4.0-4.3	0.3	0.01	117	2.1	5.0	4.0-4.4	0.3	0.02	110	6.6	7.0	4.0-4.4	0.3	0.03	99	8.3
117	1.0	3.7-4.0	0.8	0.01	370	4.4	6.0	3.7-4.0	0.6	0.04	350	25.2	8.7	3.8-3.9	0.3	0.04	313	32.7
118	4.5	3.1-3.3	2.5	0.14	239	12.9	10.0	3.1-3.5	2.7	0.32	235	28.2	14.0	3.2-3.5	2.8	0.47	228	38.3
119	1.1	2.8-3.0	9.7	0.13	464	6.1	15.0	2.8-3.2	12.5	2.25	430	77.4	25.0	2.8-3.2	15.1	4.53	382	115.0
120	5.3	3.1-3.4	2.2	0.14	658	41.8	30.0	3.1-3.5	2.5	0.90	540	194.0	49.0	3.3-3.5	2.8	1.65	395	232.0
121	2.0	3.8-4.1	0.2	0.00	123	3.0	20.0	3.8-4.2	0.3	0.07	120	28.8	32.2	3.9-4.2	0.3	0.12	120	46.4
122	8.7	3.2-3.4	4.0	0.42	451	47.1	120.0	3.1-3.6	7.5	10.80	465	670.0	198.0	3.1-3.6	10.5	24.90	479	1,140.0
123	0.0	2.4-3.0	74.2	0.00	1,610	0.0	1.0	2.4-3.0	80.0	1.00	1,700	20.4	2.0	2.4-2.8	83.9	2.01	1,760	42.2
124	1.0	2.7-3.0	52.1	0.63	1,520	18.2	4.0	2.4-3.0	45.0	2.16	1,470	70.6	5.4	2.4-2.8	32.9	2.13	1,420	92.0
125	2.9	2.4-2.7	72.7	2.53	1,410	49.1	10.0	2.4-2.8	110.0	13.20	1,460	175.2	13.0	2.4-2.8	146.0	22.80	1,500	234.0
126	37.0	2.6-2.8	77.6	34.50	797	354.0	95.0	2.6-2.9	65.0	74.10	690	787.0	137.0	2.8-2.9	51.1	84.00	549	903.0
127	4.4	2.7-3.0	19.5	1.03	1,170	61.8	25.0	2.7-3.0	24.0	7.20	1,130	339.0	38.0	2.8-2.9	27.5	12.50	1,090	497.0
128	7.8	3.5-4.2	1.9	0.19	54	5.1	75.0	3.5-4.9	4.0	3.60	55	49.5	124.0	3.7-4.9	6.0	8.93	59	87.8
129	1,040.0	2.9-3.3	29.0	362.00	322	4,020.0	1,600.0	2.9-3.3	36.0	691.20	320	6,140.0	2,050.0	2.9-3.0	43.3	1,070.00	316	7,770.0
130	4.2	3.0-3.4	5.9	0.30	278	14.0	16.0	3.0-3.6	5.5	1.06	250	48.0	23.3	3.1-3.6	5.4	1.51	207	57.9
131	23.3	2.7-3.1	126.0	35.20	753	211.0	48.0	2.7-3.4	120.0	69.12	700	403.0	64.0	2.7-3.4	110.0	84.50	604	464.0
132	0.0	—	—	0.00	—	0.0	0.4	3.0-3.6	10.0	0.05	900	4.3	0.6	3.1-3.5	9.9	0.07	876	6.3
133	1.1	3.3-4.4	2.7	0.04	652	8.6	10.0	3.2-4.0	2.5	0.30	725	87.0	15.0	3.2-3.6	2.3	0.39	797	143.0
134	3.2	3.9-4.2	0.1	0.00	275	10.6	15.0	3.7-4.3	0.3	0.05	250	45.0	21.3	3.7-4.3	0.5	0.13	228	58.3
135	0.8	2.7-2.9	10.0	0.10	1,080	10.4	15.0	2.7-3.1	8.0	1.44	1,000	180.0	23.0	2.9-3.1	6.3	1.74	900	248.0
136	2.6	3.4-3.6	1.6	0.05	661	20.6	5.0	3.4-3.7	1.5	0.09	750	45.0	7.0	3.6-3.7	1.3	0.11	846	71.1
137	0.1	2.5-2.9	99.6	0.12	2,140	2.6	7.5	2.4-2.9	95.0	8.55	2,450	221.0	12.0	2.4-2.7	88.2	12.70	2,750	396.0
138	0.0	—	—	0.00	—	0.0	1.0	2.4-2.7	240.0	2.88	2,200	26.4	1.8	2.4-2.7	237.0	5.12	2,000	43.2
139	5.6	3.3-3.4	2.3	0.15	1,100	73.9	18.0	3.3-3.5	5.0	1.08	1,020	220.0	26.3	3.4-3.5	6.5	2.05	938	296.0

Low Ground Water							Average Ground Water						High Ground Water					
Dis-charge Point(1)	Avg. Daily Rate (gpm)	pH Range	Total Iron		Acid (as CaCO ₃)		Avg. Daily Rate (gpm)	pH Range	Total Iron		Acid (as CaCO ₃)		Avg. Daily Rate (gpm)	pH Range	Total Iron		Acid (as CaCO ₃)	
			mg/l	lbs/day	mg/l	lbs/day			mg/l	lbs/day	mg/l	lbs/day			mg/l	lbs/day	mg/l	lbs/day
140	3.1	2.5-3.0	43.3	1.61	1,270	47.2	8.0	2.5-3.0	55.0	5.28	1,200	115.0	10.7	2.5-2.8	63.5	8.15	1,110	143.0
141	0.0	3.4-3.5	2.1	0.00	132	0.0	2.0	2.8-3.6	5.0	0.12	200	4.8	2.5	2.8-3.6	8.2	0.25	245	7.4
142	5.3	3.5-3.9	0.1	0.01	247	15.7	7.5	3.5-3.9	0.2	0.02	245	22.1	8.4	3.5-3.9	0.2	0.02	237	23.9
143	2.0	3.4-3.5	0.3	0.01	420	10.1	7.5	3.4-3.6	0.3	0.03	375	33.8	10.5	3.4-3.6	0.2	0.03	318	40.1
144	0.7	2.5-2.6	58.1	0.49	2,370	19.9	7.5	2.5-2.7	75.0	6.75	2,250	203.0	11.0	2.5-2.7	90.4	11.90	2,120	280.0
145	2.1	3.4-3.5	1.4	0.04	421	10.6	4.0	3.1-3.6	1.4	0.07	435	20.9	5.3	3.1-3.6	1.4	0.09	445	28.3
146	1.4	2.8-3.0	3.4	0.06	763	12.8	15.0	2.6-3.1	7.5	1.35	710	128.0	23.0	2.6-3.1	10.5	2.90	645	178.0
147	1.4	2.8-2.9	4.3	0.07	686	11.5	8.0	2.8-3.1	5.5	0.53	820	78.7	12.8	2.8-3.1	6.3	0.97	929	143.0
148	0.4	3.6-3.7	3.1	0.01	453	2.2	2.5	3.6-4.0	2.0	0.06	440	13.2	3.8	3.7-4.0	0.2	0.01	417	19.0
149	1.7	3.5-3.8	1.0	0.02	561	11.4	7.5	3.5-4.0	0.8	0.07	560	50.4	10.5	3.7-4.0	0.4	0.05	552	69.6
150	1.7	2.6-2.9	9.7	0.20	979	20.0	15.0	2.6-3.0	8.5	1.53	830	149.0	25.0	2.9-3.0	7.3	2.19	675	203.0
151	60.0	2.7-3.3	33.5	24.10	728	524.0	80.0	2.7-3.3	20.0	19.20	670	643.0	93.0	3.0-3.3	14.8	16.50	611	682.0
152	10.7	2.6-2.8	12.4	1.59	539	69.2	70.0	2.6-3.1	10.0	8.40	475	399.0	118.0	2.8-3.1	7.1	10.10	380	538.0
153	0.0	3.2-4.2	1.5	0.00	168	0.0	1.0	3.2-4.0	1.5	0.02	200	2.4	2.0	3.2-3.6	1.2	0.03	222	5.3
154	0.9	2.8-3.3	7.4	0.08	070	11.6	15.0	2.8-3.3	7.0	1.26	1,000	180.0	22.0	3.1-3.3	6.3	1.66	909	240.0
155	0.1	2.4-2.6	82.4	0.10	300	1.6	2.0	2.4-2.7	80.0	1.92	1,350	32.4	2.7	2.4-2.7	79.5	2.58	1,400	45.4
156	15.3	6.5-8.2	9.7	1.78	0	0.0	25.0	6.0-7.5	8.0	2.40	0	0.0	30.0	6.0-6.6	7.3	2.63	0	0.0
157	29.3	3.8-4.1	0.6	0.21	126	44.3	80.0	3.8-4.3	0.7	0.67	120	115.0	120.0	4.1-4.3	0.7	1.01	111	160.0
158	12.8	3.5-3.8	1.6	0.25	849	130.0	80.0	3.4-3.8	2.5	2.40	880	845.0	131.0	3.4-3.8	3.1	4.87	909	1,430.0
159	0.6	3.3-3.6	1.0	0.01	293	2.1	12.0	3.3-3.6	1.0	0.14	350	50.4	21.7	3.3-3.5	0.9	0.23	402	105.0
160	3.6	3.9-4.2	0.2	0.01	150	6.5	10.0	3.9-4.2	0.3	0.04	125	15.0	15.0	4.0-4.2	0.3	0.05	94	16.9
161	0.0	—	—	0.00	—	0.0	0.0	—	—	0.00	—	0.0	0.0	—	—	0.00	—	0.0
162	0.9	3.2-3.5	9.4	0.10	327	3.5	3.0	3.0-3.9	8.5	0.31	350	12.6	4.5	3.0-3.9	7.1	0.38	365	19.7
163	2.0	3.1-3.5	2.3	0.06	288	6.9	4.0	3.1-3.5	2.5	0.12	320	15.4	5.0	3.3-3.4	2.8	0.17	342	20.5
164	4.8	2.9-3.1	3.2	0.18	375	21.6	18.0	2.9-3.1	3.0	0.65	355	76.7	25.2	3.0-3.1	2.9	0.88	333	101.0
165	0.3	3.9-4.1	0.2	0.00	28	0.1	2.5	3.9-4.2	0.2	0.01	35	1.1	3.8	3.9-4.2	0.2	0.01	42	1.9
166	18.3	3.0-3.1	4.4	0.97	403	88.5	32.0	2.7-3.1	5.5	2.11	400	154.0	41.7	2.7-3.1	6.6	3.30	397	199.0
167	0.1	3.0-3.2	5.2	0.01	412	0.5	9.0	3.0-3.9	5.0	0.54	460	49.7	15.0	3.1-3.9	4.5	0.81	493	88.7
168	1.1	3.5-3.8	3.5	0.05	403	5.3	7.0	3.2-3.8	2.2	0.18	450	37.8	11.0	3.2-3.7	0.6	0.08	483	63.8
169	9.5	3.2-3.4	1.6	0.18	570	65.0	25.0	3.2-3.4	1.4	0.42	520	156.0	34.6	3.3-3.4	1.2	0.50	458	190.0
170	0.0	2.7-3.1	4.2	0.00	90	0.0	5.0	2.6-3.1	25.0	1.50	200	12.0	9.0	2.6-3.1	48.8	5.27	293	31.6
171	24.0	4.0-4.9	2.4	0.69	48	13.8	55.0	3.6-4.6	3.0	1.98	60	39.6	73.0	3.6-4.4	3.3	2.89	72	63.1
172	0.1	3.2-3.9	5.6	0.01	81	0.1	0.4	3.2-4.2	5.0	0.02	60	0.3	0.5	3.8-4.2	3.8	0.02	37	0.2
173	1.6	3.2-3.3	1.9	0.04	692	13.3	6.0	3.1-3.4	5.0	0.36	625	45.0	8.3	3.1-3.4	1.2	0.12	547	54.5
174	49.0	3.6-3.9	15.5	9.11	124	72.9	150.0	2.9-3.9	16.0	28.80	275	495.0	231.0	2.9-3.3	16.8	46.60	404	1,120.0
175	3.0	5.1-6.4	0.6	0.02	18	0.6	11.0	5.1-6.0	0.5	0.07	18	2.4	16.3	5.1-5.5	0.4	0.08	17	3.3
176	0.5	5.3-6.4	0.6	0.00	15	0.1	7.5	4.5-6.0	0.4	0.04	20	1.8	12.5	4.2-4.9	0.1	0.02	24	3.6
177	0.3	3.2-3.3	0.6	0.00	141	0.5	7.0	3.2-3.5	0.5	0.04	135	11.3	12.0	3.3-3.5	0.3	0.04	128	18.4
178	3.8	2.7-3.0	5.6	0.26	206	9.4	16.0	2.7-3.0	7.0	1.34	200	38.4	26.0	2.8-3.0	8.7	2.71	188	58.7
179	7.2	3.2-3.8	6.8	0.59	102	8.8	28.0	3.2-3.8	5.1	1.71	80	26.0	42.7	3.5-3.7	3.4	1.74	43	22.0
180	126.0	3.7-4.1	0.9	1.36	267	404.0	375.0	3.7-4.1	0.8	3.60	240	1,080.0	589.0	3.7-3.8	0.7	4.95	208	1,470.0
181	43.0	4.9-6.1	0.4	0.21	27	13.9	125.0	4.7-6.0	0.3	0.45	25	37.5	187.0	4.7-5.2	0.1	0.22	24	53.9
182	48.8	3.9-4.3	1.4	0.82	106	62.1	88.0	3.9-4.3	1.0	1.06	110	116.0	116.0	3.9-4.2	0.5	0.70	114	159.0
183	18.8	5.2-6.1	11.4	2.57	21	4.7	45.0	5.1-6.1	10.0	5.40	24	13.0	66.3	5.1-5.9	8.3	6.60	24	19.1
184	4.3	3.9-4.8	0.3	0.02	29	1.5	28.0	3.9-4.8	0.2	0.07	25	8.4	44.0	4.2-4.8	0.1	0.05	20	10.6

Discharge Point (1)	Sulfate (mg/l)			Aluminum (2) (mg/l)	Manganese (2) (mg/l)	Total Solids (2) (mg/l)
	Average	Maximum	Minimum			
1	492	700	284	—	—	—
2	—	—	—	—	—	—
3	—	—	—	—	—	—
4	807	1,580	422	22.4	19.4	1,066
5	1,110	1,460	580	42.0	27.5	1,639
6	283	640	120	6.3	5.4	878
7	609	670	536	—	—	—
8	643	740	450	47.1	11.7	996
9	927	1,450	670	63.0	14.7	1,522
10	—	—	—	—	—	—
11	2,608	3,270	1,975	119.3	33.1	4,302
12	947	1,220	730	6.1	36.1	1,460
13	617	830	309	9.6	24.6	1,079
14	375	480	191	—	—	—
15	915	990	780	—	—	—
16	437	810	225	1.0	11.0	562
17	282	640	120	—	—	—
18	603	1,070	299	0.6	39.7	1,562
19	376	570	262	9.0	2.3	575
20	199	272	140	6.2	1.2	347
21	128	195	72	6.6	2.0	232
22	177	247	132	6.3	2.4	300
23	368	570	224	5.6	1.0	1,543
24	—	—	—	—	—	—
25	641	1,290	355	114.0	23.2	1,806
26	1,209	1,610	950	144.1	29.8	2,573
27	—	—	—	—	—	—
28	186	225	152	0.3	5.4	414
29	157	202	130	<0.1	5.9	280
30	185	217	157	<0.1	<0.1	366
31	169	207	132	—	—	—
32	207	267	157	<0.1	0.2	399
33	407	700	322	<0.1	<0.1	645
34	264	308	225	<0.1	0.1	395
35	210	273	175	5.8	1.2	376
36	32	58	17	<0.1	<0.1	231
37	303	720	30	1.0	4.9	298
38	27	45	17	0.6	<0.1	52
39	200	290	137	—	—	—
40	120	142	103	3.9	1.5	231
41	552	660	328	10.3	2.2	683
42	634	770	440	0.8	3.4	1,045
43	668	800	450	9.6	4.0	988
44	565	800	410	<0.1	2.1	987
45	546	800	210	0.5	4.3	1,035
46	707	1,000	420	38.4	19.3	1,246
47	698	960	460	5.0	11.5	1,102
48	427	770	275	1.6	12.0	889
49	546	748	380	—	—	—
50	612	820	464	—	—	—
51	379	530	274	11.5	5.3	655
52	55	86	26	—	—	—
53	280	313	206	9.3	1.8	491

Discharge Point (1)	Sulfate (mg/l)			Aluminum (2) (mg/l)	Manganese (2) (mg/l)	Total Solids (2) (mg/l)
	Average	Maximum	Minimum			
54	244	275	214	—	—	—
55	241	275	174	0.8	2.6	399
56	269	297	228	—	—	—
57	336	420	292	1.0	5.6	573
58	338	395	270	0.8	5.1	663
59	236	330	160	—	—	—
60	562	740	430	3.7	7.9	894
61	43	88	18	<0.1	0.2	80
62	176	310	133	10.2	3.2	408
63	328	770	103	—	—	—
64	100	144	54	2.0	1.8	223
65	145	215	117	—	—	—
66	61	75	42	1.3	2.2	133
67	548	850	370	49.3	3.2	1,024
68	103	129	86	0.9	2.1	326
69	174	225	123	7.9	3.0	349
70	140	354	68	<0.1	0.4	225
71	41	61	16	—	—	—
72	11	40	5	<0.1	<0.1	22
73	24	78	6	—	—	—
74	20	50	5	—	—	—
75	291	438	211	—	—	—
76	49	62	32	—	—	—
77	213 (2)	213 (2)	213 (2)	—	—	—
78	1,512	3,070	970	94.6	19.6	2,204
79	1,017	2,000	370	29.7	5.8	649
80	1,421	1,910	1,160	—	—	—
81	108	150	62	9.9	3.0	290
82	105	140	60	2.3	4.2	166
83	698	850	372	—	—	—
84	114	227	73	0.4	4.1	518
85	310	530	160	—	—	—
86	459	650	273	8.2	3.6	656
87	435	650	250	8.3	5.4	859
88	231	346	145	—	—	—
89	711	970	550	1.4	4.0	1,755
90	474	532	392	—	—	—
91	705	950	347	—	—	—
92	538	1,140	122	—	—	—
93	568	750	480	7.6	7.1	1,008
94	397	640	266	11.3	4.0	1,026
95	251	420	201	6.2	3.4	442
96	687	1,240	323	—	—	—
97	460	640	292	20.4	6.6	591
98	—	—	—	—	—	—
99	1,524	2,670	440	85.9	50.5	1,785
100	56	96	27	1.0	1.2	181
101	163	205	101	—	—	—
102	1,020	1,900	440	18.9	23.8	1,074
103	1,749	2,390	970	105.0	64.7	2,465
104	44	100	13	<0.1	0.2	34
105	1,024	2,090	440	53.0	32.4	1,959
106	157	189	124	3.7	4.0	346

Exhibit H (Continued)

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Discharge Point (1)	Sulfate (mg/l)			Aluminum (2) (mg/l)	Manganese (2) (mg/l)	Total Solids (2) (mg/l)
	Average	Maximum	Minimum			
107	177	580	86	4.4	5.4	262
108	227	282	174	14.4	3.3	441
109	109	175	54	—	—	—
110	2,136	3,250	1,530	—	—	—
111	1,023	1,400	700	102.7	21.5	1,916
112	1,007	1,500	720	76.8	27.2	2,191
113	848	1,150	546	—	—	—
114	595	1,120	314	70.4	23.1	1,552
115	560	750	318	77.6	12.4	957
116	340	580	200	15.9	12.0	632
117	641	840	400	53.7	24.6	1,051
118	684	900	460	24.1	20.4	1,062
119	917	1,180	600	—	—	—
120	1,121	1,450	740	63.2	40.9	1,988
121	431	700	302	14.6	8.1	994
122	800	1,260	580	51.9	20.5	1,358
123	2,218	2,550	1,660	—	—	—
124	2,106	2,600	1,420	—	—	—
125	1,850	2,400	1,230	—	—	—
126	1,331	2,220	750	48.1	35.5	1,970
127	1,719	1,960	1,360	92.5	50.3	3,087
128	102	310	51	—	—	—
129	766	1,100	560	21.1	15.6	1,244
130	685	1,420	339	31.2	24.0	1,156
131	1,327	1,720	850	52.6	34.2	3,104
132	1,433	1,920	730	—	—	—
133	2,133	2,380	1,820	—	—	—
134	808	1,310	440	18.2	26.6	1,215
135	1,053	1,290	830	—	—	—
136	772	1,000	510	114.0	15.2	1,714
137	2,655	3,070	2,240	—	—	—
138	2,253	2,950	1,555	—	—	—
139	1,364	1,770	980	153.5	42.1	2,833
140	1,538	2,000	1,050	102.7	25.2	2,025
141	346	550	271	—	—	—
142	355	570	156	4.0	39.1	614
143	453	590	308	66.8	5.3	904
144	2,579	3,250	1,600	—	—	—
145	643	830	470	61.0	15.4	1,166
146	823	1,420	440	—	—	—
147	869	1,350	520	—	—	—
148	682	850	530	47.7	21.6	1,148
149	732	880	540	78.8	20.5	1,448
150	1,059	1,470	700	131.3	12.5	1,477
151	1,127	1,550	820	67.7	23.1	1,904
152	710	1,230	440	39.4	8.2	976
153	276	420	158	8.8	2.9	291
154	1,358	1,900	930	116.9	32.0	2,353
155	1,543	2,010	1,250	—	—	—
156	62	98	50	0.6	1.1	809
157	399	640	270	18.3	10.8	759
158	1,277	1,640	930	100.2	34.2	2,499
159	740	1,120	220	53.7	23.1	1,546

Discharge Point (1)	Sulfate (mg/l)			Aluminum (2) (mg/l)	Manganese (2) (mg/l)	Total Solids (2) (mg/l)
	Average	Maximum	Minimum			
160	551	780	406	15.8	13.8	986
161	—	—	—	—	—	—
162	1,149	1,600	730	34.7	31.9	2,181
163	858	1,000	770	38.9	27.6	1,611
164	1,017	1,400	710	44.8	26.8	1,971
165	64	80	49	—	—	—
166	954	1,290	760	33.4	30.3	1,866
167	820	1,200	440	—	—	—
168	932	1,270	700	53.7	28.4	1,917
169	1,081	1,320	880	28.6	39.4	2,369
170	293	600	98	—	—	—
171	393	620	296	5.2	14.8	866
172	372	628	166	—	—	—
173	1,463	2,060	870	—	—	—
174	888	1,400	600	36.1	34.6	2,174
175	24	45	14	<0.1	0.2	75
176	28	88	11	—	—	—
177	175	390	94	—	—	—
178	329	480	212	—	—	—
179	429	616	192	—	—	—
180	656	910	500	26.9	32.5	1,183
181	111	139	86	0.5	3.5	210
182	388	800	193	21.3	30.9	1,009
183	75	110	54	0.7	2.0	142
184	54	67	44	0.1	0.6	134

- (1) See Plates III-A and III-B for location of MD Discharge Points.
(2) Results based on 1 sample.