

EXHIBIT K

Commonwealth of Pennsylvania
Department of Mines and Mineral Industries

MD Pollution Abatement Measures for the Beech Creek Watershed

DESIGN AVERAGE MD VOLUMES IN ORDER OF MAGNITUDE

<u>Rank</u>	<u>Discharge Point (1)</u>	<u>Volume (gpm)</u>	<u>Cumulative Volume (gpm)</u>	<u>Percent of Total Volume</u>
1	129	2,160.0	2,160.0	
2	93	741.0	2,901.0	
3	105	741.0	3,642.0	35.4
4	112	741.0	4,383.0	
5	180	505.0	4,888.0	
6	113	236.0	5,124.0	49.8
7	46	216.0	5,340.0	51.9
8	174	202.0	5,542.0	
9	86	195.0	5,737.0	
10	60	189.0	5,926.0	
11	11	175.0	6,101.0	
12	181	168.0	6,269.0	
13	122	162.0	6,431.0	
14	23	135.0	6,566.0	
15	111	128.0	6,694.0	
16	126	128.0	6,822.0	
17	34	121.0	6,943.0	
18	182	119.0	7,062.0	
19	158	108.0	7,170.0	
20	157	108.0	7,278.0	
21	151	108.0	7,386.0	
22	72	108.0	7,494.0	
23	33	108.0	7,602.0	
24	128	101.0	7,703.0	74.9
25	152	94.3	7,797.3	75.8
26	97	87.6	7,884.9	
27	107	80.8	7,965.7	
28	104	74.1	8,039.8	
29	171	74.1	8,113.9	
30	61	67.4	8,181.3	
31	131	64.7	8,246.0	
32	5	60.6	8,306.6	
33	183	60.6	8,367.2	
34	47	53.9	8,421.1	
35	81	53.9	8,475.0	
36	43	47.1	8,522.1	
37	67	47.1	8,569.2	

Exhibit K (Continued)

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<u>Rank</u>	<u>Discharge Point (1)</u>	<u>Volume (gpm)</u>	<u>Cumulative Volume (gpm)</u>	<u>Percent of Total Volume</u>
38	35	43.1	8,612.3	
39	166	43.1	8,655.4	
40	76	40.4	8,695.8	
41	120	40.4	8,736.2	
42	21	37.7	8,773.9	
43	53	37.7	8,811.6	
44	85	37.7	8,849.3	
45	179	37.7	8,887.0	
46	184	37.7	8,924.7	
47	156	33.7	8,958.4	
48	169	33.7	8,992.1	
49	127	33.7	9,025.8	
50	83	33.7	9,059.5	
51	69	32.3	9,091.8	
52	65	26.9	9,118.7	
53	79	26.9	9,145.6	
54	94	26.9	9,172.5	
55	108	26.9	9,199.4	
56	121	26.9	9,226.3	
57	44	24.2	9,250.5	90.0
58	51	24.2	9,274.7	
59	115	24.2	9,298.9	
60	139	24.2	9,323.1	
61	164	24.2	9,347.3	
62	41	22.9	9,370.2	
63	42	22.9	9,393.1	
64	9	21.6	9,414.7	
65	48	21.6	9,436.3	
66	87	21.6	9,457.9	
67	130	21.6	9,479.5	
68	178	21.6	9,501.1	
69	39	20.2	9,521.3	
70	45	20.2	9,541.5	
71	99	20.2	9,561.7	
72	119	20.2	9,581.9	
73	134	20.2	9,602.1	
74	135	20.2	9,622.3	
75	146	20.2	9,642.5	
76	150	20.2	9,662.7	
77	154	20.2	9,682.9	
78	13	16.2	9,699.1	
79	52	16.2	9,715.3	
80	89	16.2	9,731.5	
81	95	16.2	9,747.7	
82	100	16.2	9,763.9	94.9
83	159	16.2	9,780.1	95.1
84	175	14.8	9,794.9	
85	64	13.5	9,808.4	
86	78	13.5	9,821.9	
87	160	13.5	9,835.4	
88	118	13.4	9,848.8	

Exhibit K (Continued)

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<u>Rank</u>	<u>Discharge Point (1)</u>	<u>Volume (gpm)</u>	<u>Cumulative Volume (gpm)</u>	<u>Percent of Total Volume</u>
89	125	13.4	9,862.2	
90	133	13.4	9,875.6	
91	8	12.1	9,887.7	
92	82	12.1	9,899.8	
93	84	12.1	9,911.9	
94	167	12.1	9,924.0	
95	140	10.8	9,934.8	
96	147	10.8	9,945.6	
97	137	10.1	9,955.7	
98	142	10.1	9,965.8	
99	143	10.1	9,975.9	
100	144	10.1	9,986.0	
101	149	10.1	9,996.1	
102	176	10.1	10,006.2	
103	1	9.4	10,015.6	
104	55	9.4	10,025.0	
105	168	9.4	10,034.4	
106	177	9.4	10,043.8	
107	19	8.1	10,051.9	
108	40	8.1	10,060.0	
109	58	8.1	10,068.1	
110	117	8.1	10,076.2	
111	173	8.1	10,084.3	
112	4	7.4	10,091.7	
113	15	7.4	10,099.1	
114	62	6.7	10,105.8	
115	66	6.7	10,112.5	
116	77	6.7	10,119.2	
117	116	6.7	10,125.9	
118	136	6.7	10,132.6	
119	170	6.7	10,139.3	
120	18	6.1	10,145.4	
121	6	5.4	10,150.8	
122	20	5.4	10,156.2	
123	57	5.4	10,161.6	
124	59	5.4	10,167.0	
125	88	5.4	10,172.4	99.0
126	114	5.4	10,177.8	
127	124	5.4	10,183.2	
128	145	5.4	10,188.6	
129	163	5.4	10,194.0	
130	12	4.8	10,198.8	
131	37	4.0	10,202.8	
132	49	4.0	10,206.8	
133	63	4.0	10,210.8	
134	162	4.0	10,214.8	
135	16	3.4	10,218.2	
136	26	3.4	10,221.6	
137	68	3.4	10,225.0	
138	148	3.4	10,228.4	
139	165	3.4	10,231.8	

Exhibit K (Continued)

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<u>Rank</u>	<u>Discharge Point (1)</u>	<u>Volume (gpm)</u>	<u>Cumulative Volume (gpm)</u>	<u>Percent of Total Volume</u>
140	32	3.0	10,234.8	
141	36	2.7	10,237.5	
142	38	2.7	10,240.2	
143	50	2.7	10,242.9	
144	54	2.7	10,245.6	
145	75	2.7	10,248.3	
146	80	2.7	10,251.0	
147	106	2.7	10,253.7	
148	141	2.7	10,256.4	
149	155	2.7	10,259.1	
150	29	2.4	10,261.5	
151	25	1.6	10,263.1	
152	96	1.6	10,264.7	
153	110	1.6	10,266.3	
154	7	1.4	10,267.7	
155	22	1.3	10,269.0	
156	28	1.3	10,270.3	
157	109	1.3	10,271.6	
158	123	1.3	10,272.9	
159	153	1.3	10,274.2	
160	138	1.3	10,275.5	
161	56	1.1	10,276.6	
162	70	0.9	10,277.5	
163	30	0.8	10,278.3	
164	90	0.7	10,279.0	
165	101	0.7	10,279.7	
166	102	0.5	10,280.2	
167	132	0.5	10,280.7	
168	172	0.5	10,281.2	
169	14	0.4	10,281.6	
170	31	0.4	10,282.0	
171	91	0.4	10,282.4	
172	103	0.4	10,282.8	
173	17	0.3	10,283.1	
174	71	0.3	10,283.4	
175	2	0.0	10,283.4	
176	3	0.0	10,283.4	
177	10	0.0	10,283.4	
178	24	0.0	10,283.4	
179	27	0.0	10,283.4	
180	73	0.0	10,283.4	
181	74	0.0	10,283.4	
182	92	0.0	10,283.4	
183	98	0.0	10,283.4	
184	161	0.0	10,283.4	100.0

(1) See Plates III-A and III-B for location of MD Discharge Points.