

EXHIBIT F

Commonwealth of Pennsylvania
Department of Mines and Mineral Industries

MD Pollution Abatement Measures for the Beech Creek Watershed

DESCRIPTION OF MD DISCHARGE POINTS

<u>Discharge Point (1)</u>	<u>Type of Mine and Coal Seam from Which Major Portion of Flow Originates</u>	<u>Description of Discharge point</u>
1	Strip, Brookville	Gravity flow through drainage ditch from S-1; intermittent, fluctuates with wet weather runoff.
2	Strip, Brookville	Gravity flow through drainage ditch from S-2; intermittent, fluctuates with wet weather runoff.
3	Strip Brookville	Gravity flow through drainage ditch from S-7; intermittent, fluctuates with wet weather runoff.
4	Deep, Brookville	Gravity flow through ground surface adjacent to deep mine; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-2, S-3 and S-7.
5	Deep, Brookville	Gravity flow through drainage ditch from intercepting S-7; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-2, S-3 and S-7.
6	Deep, Brookville	Gravity flow through drainage ditch from intercepting S-7; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at B-1, B-2, S-4, S-6 and S-7.
7	Deep, Brookville	Gravity flow through drainage ditch from intercepting S-7; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at B-1, B-2, S-4, S-6 and S-7.
8	Deep, Brookville	Gravity flow through R-1 adjacent to deep mine; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at R-1, B-1 and B-2.
9	Deep, Brookville	Overflow from pool in intercepting S-8; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at B-1, B-2, S-4, S-5, S-6 and S-8.
10	Strip, Clarion	Gravity flow through drainage ditch from S-9; intermittent, fluctuates with surface water infiltration.

<u>Discharge Point (1)</u>	<u>Type of Mine and Coal Seam from Which Major Portion of Flow Originates</u>	<u>Description of Discharge Point</u>
11	Deep, Brookville	Overflow from underground mine water pool through D-4; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at B-1, B-2, S-4, S-5, S-6, S-8, S-15 and S-16.
12	Strip, Lower Kittanning	Gravity flow throughout drainage ditch from S-14; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-15 and S-16.
13	Strip, Lower Kittanning	Overflow from pools adjacent to S-11; intermittent, fluctuates with surface water infiltration. Portions of flow originate at R-3, S-11 and S-13.
14	Deep, Lower Kittanning	Gravity flow through ground surface adjacent to deep mine; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at R-3 and S-11.
15	Strip, Lower Kittanning	Gravity flow through ground surface adjacent to S-11; intermittent, fluctuates with surface water infiltration.
16	Deep, Brookville	Artesian flow through borehole from underground mine water pool to overlying ground surface; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at AA, S-62, S-64, S-65 and S-66.
17	Strip, Lower Kittanning	Overflow from pools adjacent to S-12; intermittent, fluctuates with surface water infiltration.
18	Deep, Brookville	Artesian flow through rock strata from underground mine water pool to drainage ditch in overlying S-16; continuous, augmented by seasonal surface water infiltration.
19	Deep, Lower Kittanning	Gravity flow through D-3; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-18 and S-19.
20	Deep, Lower Kittanning	Overflow from pool in intercepting S-21; intermittent, fluctuates with surface water infiltration.
21	Deep, Lower Kittanning	Gravity flow through ground surface adjacent to deep mine; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-22, S-23 and S-24.
22	Deep, Lower Kittanning	Gravity flow through ground surface adjacent to deep mine; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at S-22, S-23 and S-24.

<u>Discharge Point (1)</u>	<u>Type of Mine and Coal Seam from Which Major Portion of Flow Originates</u>	<u>Description of Discharge Point</u>
23	Deep, Lower Kittanning	Gravity flow through drainage ditch from intercepting S-24; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-23 and S-24.
24	Refuse Area	Gravity flow through drainage ditch from R-4; intermittent, fluctuates with wet weather runoff.
25	Deep, Middle and Upper Kittanning	Gravity flow through ground surface adjacent to deep mine; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at R-4, R-5, S-30, S-32 and S-36.
26	Deep, Middle and Upper Kittanning	Gravity flow through ground surface adjacent to deep mine; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at R-4, R-5, S-30, S-32 and S-36.
27	Deep, Middle and Upper Kittanning	Gravity flow through ground surface adjacent to deep mine; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at S-30, S-32 and S-36.
28	Strip, Middle and Upper Kittanning	Gravity flow through drainage ditch from S-30; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at S-30, S-32 and S-36.
29	Deep, Middle and Upper Kittanning	Gravity flow through ground surface adjacent to deep mine; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-30, S-32 and S-36.
30	Deep, Middle and Upper Kittanning	Gravity flow through ground surface adjacent to deep mine; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at S-30 and S-32.
31	Deep, Middle and Upper Kittanning	Gravity flow through ground surface adjacent to deep mine; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at S-30 and S-32.

<u>Discharge Point (1)</u>	<u>Type of Mine and Coal Seam from Which Major Portion of Flow Originates</u>	<u>Description of Discharge Point</u>
32	Deep, Middle and Upper Kittanning	Gravity flow through drainage ditch from intercepting S-30; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at B-5, B-6, B-7, S-30, S-32, S-34, S-35, S-36, S-37 and S-38.
33	Deep, Middle and Upper Kittanning	Gravity flow through drainage ditch from intercepting S-30; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at B-5, B-6, B-7, S-30, S-32, S-34, S-35, S-36, S-37 and S-38.
34	Deep, Middle and Upper Kittanning	Gravity flow through drainage ditch from intercepting S-30; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at B-5, B-6, B-7, S-30, S-32, S-34, S-35, S-36, S-37 and S-38.
35	Deep, Middle and Upper Kittanning	Gravity flow through drainage ditch from intercepting S-30; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at B-4, B-5, B-6, B-7, S-30, S-31, S-32, S-33, S-34, S-35, S-36, S-37 and S-38.
36	Natural spring flowing off Lower Kittanning underclay	Gravity flow through ground surface; intermittent, fluctuates with surface water infiltration.
37	Natural spring flowing off Lower Kittanning underclay	Gravity flow through ground surface; intermittent, fluctuates with surface water infiltration.
38	Deep, Lower Kittanning	Gravity flow through D-12; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-53.
39	Strip, Lower Kittanning	Gravity flow through drainage ditch from S-51; intermittent, fluctuates with surface water infiltration.
40	Deep, Middle and Upper Kittanning	Gravity flow through spoils of intercepting S-44; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at B-8.
41	Strip, Lower Kittanning	Gravity flow through drainage ditch from S-51; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at B-8, S-43 and S-44.

<u>Discharge Point (1)</u>	<u>Type of Mine and Coal Seam from Which Major Portion of Flow Originates</u>	<u>Description of Discharge Point</u>
42	Deep, Clarion	Gravity flow through D-13; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at B-8, B-9, B-10, S-43, S-44, S-45 and S-51.
43	Strip, Lower Kittanning	Overflow from pool in S-51; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at B-8, B-9, B-10, S-43, S-44 and S-45.
44	Strip, Lower Kittanning	Gravity flow through drainage ditch from S-51; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at B-9, B-10, B-11, S-43, S-44, S-45 and S-47.
45	Strip, Lower Kittanning	Gravity flow through drainage ditch from S-51; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at B-11, S-47 and S-48.
46	Strip, Clarion	Gravity flow through drainage ditch from S-41; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-40, S-42 and S-46.
47	Strip, Lower Kittanning	Gravity flow through drainage ditch from S-51; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-40, S-42 and S-46.
48	Strip, Clarion	Gravity flow through drainage ditch from S-52; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-53.
49	Deep, Lower Kittanning	Gravity flow through ground surface adjacent to deep mine; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at B-11, S-50 and S-51.
50	Deep, Lower Kittanning	Gravity flow through ground surface adjacent to deep mine; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at B-11, S-50 and S-51.
51	Deep, Lower Kittanning	Gravity flow through D-26 and D-27; continuous, fluctuates with surface water infiltration. Minor portions of flow originate at B-11, B-12, B-13, S-49 and S-50.
52	Deep, Lower Kittanning	Gravity flow through ground surface adjacent to deep mine; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at B-12, B-13 and S-49.

<u>Discharge Point (1)</u>	<u>Type of Mine and Coal Seam from Which Major Portion of Flow Originates</u>	<u>Description of Discharge Point</u>
53	Deep, Lower Kittanning	Gravity flow through D-21, D-22, D-23 and D-24; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at B-12, B-13 and S-49.
54	Deep, Brookville	Artesian flow through rock strata from underground mine water pool to overlying ground surface; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at AA, S-62, S-64, S-65 and S-66.
55	Deep, Brookville	Artesian flow through rock strata from underground mine water pool to overlying ground surface; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at AA, S-62, S-64, S-65 and S-66.
56	Deep, Brookville	Artesian flow through rock strata from underground mine water pool to overlying ground surface; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at AA, S-62, S-64, S-65 and S-66.
57	Deep, Brookville	Artesian flow through rock strata from underground mine water pool to overlying ground surface; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at AA, S-62, S-64, S-65 and S-66.
58	Deep, Brookville	Artesian flow through rock strata from underground mine water pool to overlying ground surface; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at AA, S-62, S-64, S-65 and S-66.
59	Deep, Brookville	Artesian flow through rock strata from underground mine water pool to overlying ground surface; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at AA, S-62, S-64, S-65 and S-66.
60	Deep, Brookville	Artesian flow through rock strata from underground mine water pool to drainage ditch in overlying S-57; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at AA, S-57, S-62, S-64, S-65 and S-66.
61	Deep, Lower Kittanning	Gravity flow through drainage ditch from intercepting S-55; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at B-14, B-15 and S-55.

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62	Deep, Lower Kittanning	Gravity flow through drainage ditch from intercepting S-55; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at B-15 and S-55.
63	Strip, Brookville	Overflow from pool in S-63; intermittent, fluctuates with surface water infiltration.
64	Deep, Brookville	Gravity flow through R-7 adjacent to deep mine; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at R-7, B-16, B-17, B-18, S-62, S-64, S-65 and S-66.
65	Deep, Brookville	Gravity flow through R-7 adjacent to deep mine; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at R-7, B-16, B-17, B-18, S-62, S-64, S-65 and S-66.
66	Deep, Brookville	Gravity flow through spoils of intercepting S-66; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at B-16, B-17, S-62, S-64, S-65 and S-66.
67	Deep, Brookville	Gravity flow through drainage ditch from intercepting S-67; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at D-34, S-67, S-68, S-69, S-70 and S-71.
68	Strip, Clarion	Gravity flow through spoils of S-68; intermittent, fluctuates with surface water infiltration.
69	Strip, Brookville	Gravity flow through drainage ditch from S-69; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-68.
70	Strip, Brookville	Gravity flow through spoils of S-69; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at S-68.
71	Strip, Brookville	Overflow from pool in S-73; intermittent, fluctuates with surface water runoff.
72	Strip, Brookville	Overflow from pool in S-73; continuous, augmented by seasonal surface water infiltration.
73	Strip, Brookville	Overflow from pool adjacent to S-75; intermittent, fluctuates with surface water infiltration.
74	Strip, Brookville	Gravity flow through drainage ditch from S-76; intermittent, fluctuates with surface water infiltration.

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75	Strip, Brookville	Gravity flow through drainage ditch from S-76; intermittent, fluctuates with surface water infiltration.
76	Strip, Mercer	Gravity flow through drainage ditch from S-79; intermittent, fluctuates with surface water infiltration.
77	Deep, Brookville	Gravity flow through D-40; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-81 and S-82.
78	Strip, Clarion	Gravity flow through drainage ditch from S-84; continuous, augmented by seasonal surface water infiltration.
79	Strip, Clarion	Gravity flow through drainage ditch from S-84; intermittent, fluctuates with surface water infiltration.
80	Deep, Brookville	Gravity flow through R-12 adjacent to deep mine; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at R-12 and S-87.
81	Deep, Brookville	Gravity flow through drainage ditch from intercepting S-88; intermittent, fluctuates with surface water infiltration. Portions of flow originate at D-37 and S-88.
82	Strip, Clarion	Gravity flow through drainage ditch from S-101; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at S-100.
83	Strip, Brookville	Gravity flow through drainage ditch from S-94; intermittent, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-95.
84	Strip, Lower Kittanning	Gravity flow through spoils from pool in S-102; intermittent, fluctuates with surface water infiltration.
85	Deep, Lower Kittanning	Overflow from pool adjacent to intercepting S-106; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at R-18, B-23, B-24, S-102, S-105 and S-106.
86	Deep, Lower Kittanning	Gravity flow through drainage ditch from intercepting S-110; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-110, S-111, S-112 and S-113.
87	Deep, Lower Kittanning	Gravity flow through drainage ditch from intercepting S-108; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at D-45, S-98, S-102, S-107, S-108 and S-111.

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88	Deep, Lower Kittanning	Gravity flow through drainage ditch from intercepting S-108; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at D-44, S-98, S-102, S-108 and S-111.
89	Deep, Lower Kittanning	Gravity flow through ground surface adjacent to deep mine; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at S-110 and S-111.
90	Deep, Brookville	Artesian flow through rock strata from underground mine water pool to overlying ground surface; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at B-20 and BB.
91	Deep, Brookville	Artesian flow through rock strata from underground mine water pool to overlying ground surface; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at B-20, BB and S-109.
92	Deep, Brookville	Artesian flow through rock strata from underground mine water pool to overlying ground surface; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at B-20, BB and S-109.
93	Deep, Brookville	Artesian flow through borehole from underground mine water pool to drainage ditch in overlying S-109; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at B-20, BB and S-109.
94	Deep, Lower Kittanning	Gravity flow through R-15 adjacent to deep mine; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at R-15, S-110 and S-111.
95	Deep, Lower Kittanning	Gravity flow through drainage ditch from intercepting S-113; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-113.
96	Deep, Lower Kittanning	Gravity flow through drainage ditch from intercepting S-115; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at S-115 and S-116.
97	Deep, Lower Kittanning	Gravity flow through drainage ditch from intercepting S-115; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at D-58, S-115 and S-116.

<u>Discharge Point (1)</u>	<u>Type of Mine and Coal Seam from Which Major Portion of Flow Originates</u>	<u>Description of Discharge Point</u>
98	Deep, Clarion	Gravity flow through drainage ditch from intercepting S-117; intermittent, fluctuates with surface water infiltration. Portions of flow originate at D-62 and S-117.
99	Road fill on I-80	Gravity flow through drainage ditch from road fill; continuous, augmented by seasonal surface water infiltration.
100	Road fill on I-80	Gravity flow through drainage ditch from road fill; continuous, augmented by seasonal surface water infiltration.
101	Road fill on I-80	Gravity flow through ground surface; intermittent, fluctuates with surface water infiltration.
102	Road fill on I-80	Gravity flow from weep hole in culvert abutment; continuous, augmented by seasonal surface water infiltration.
103	Road fill on I-80	Gravity flow through weep hole in culvert abutment; continuous, augmented by seasonal surface water infiltration.
104	Road fill on I-80	Gravity flow through drainage ditch from road fill; continuous, augmented by seasonal surface water infiltration.
105	Strip, Brookville	Overflow from pool in S-119; continuous, augmented by seasonal surface water infiltration and runoff. Portions of flow originate at R-19, S-133 and S-134.
106	Strip, Brookville	Gravity flow through spoils of S-119; intermittent, fluctuates with surface water infiltration.
107	Strip, Brookville	Gravity flow through spoils of S-122; continuous, augmented by seasonal surface water infiltration.
108	Deep, Brookville	Gravity flow through drainage ditch from intercepting S-123; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at R-21, D-67, S-122 and S-123.
109	Strip, Brookville	Gravity flow through drainage ditch from S-123; intermittent, fluctuates with surface water infiltration.
110	Strip, Clarion	Gravity flow through spoils of S-120; intermittent, fluctuates with surface water infiltration.
111	Deep, Brookville	Gravity flow through drainage ditch from intercepting S-126; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-120 and S-126.

<u>Discharge Point (1)</u>	<u>Type of Mine and Coal Seam from Which Major Portion of Flow Originates</u>	<u>Description of Discharge Point</u>
112	Deep, Brookville	Gravity flow through drainage ditch from intercepting S-126; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at R-20, R-21, S-120 and S-126.
113	Strip, Clarion	Gravity flow through drainage ditch from S-120; intermittent, fluctuates with surface water infiltration.
114	Strip, Brookville	Gravity flow through spoils of S-126; continuous, augmented by seasonal surface water infiltration.
115	Strip, Brookville	Gravity flow through drainage ditch from S-128; continuous, augmented by seasonal surface water infiltration.
116	Strip, Brookville	Gravity flow through spoils of S-128; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-127.
117	Strip, Brookville	Gravity flow through spoils of S-128; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at S-127.
118	Strip, Brookville	Gravity flow through spoils of S-128; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-127.
119	Strip, Brookville	Gravity flow through spoils of S-128; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at S-127.
120	Strip, Brookville	Gravity flow through spoils of S-129; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-128.
121	Strip, Brookville	Overflow from pool in S-129; continuous, augmented by seasonal surface water infiltration.
122	Strip, Brookville	Gravity flow through spoils of S-130; continuous, augmented by seasonal surface water infiltration.
123	Strip, Clarion	Gravity flow through spoils of S-131; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at S-132.
124	Strip, Clarion	Gravity flow through spoils of S-131; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at S-132.

<u>Discharge Point (1)</u>	<u>Type of Mine and Coal Seam from Which Major Portion of Flow Originates</u>	<u>Description of Discharge Point</u>
125	Strip, Clarion	Gravity flow through spoils of S-131; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at S-132.
126	Strip, Clarion	Gravity flow through spoils from pool in S-131; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-132.
127	Strip, Clarion	Gravity flow through spoils of S-131; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at S-132.
128	Strip, Lower Kittanning	Gravity flow through drainage ditch from S-137; intermittent, fluctuates with wet weather runoff. Minor portions of flow originate at S-138.
129	Deep, Brookville	Overflow from underground mine water pool through drainage ditch from intercepting S-142; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at B-26, B-27, S-84, S-86, S-87, S-102, S-104, S-139, S-140, S-141 and S-142.
130	Strip, Brookville	Gravity flow through drainage ditch from S-143; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-142 and S-145.
131	Deep, Mercer	Gravity flow through D-71; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at B-30 and S-144.
132	Strip, Brookville	Gravity flow through spoils of S-146; intermittent, fluctuates with surface water infiltration.
133	Strip, Brookville	Gravity flow through drainage ditch from S-148; intermittent, fluctuates with surface water infiltration.
134	Strip, Mercer	Gravity flow through drainage ditch from S-147; continuous, augmented by seasonal surface water infiltration.
135	Strip, Clarion	Gravity flow through spoils of S-149; intermittent, fluctuates with surface water infiltration.
136	Strip, Clarion	Gravity flow through ground surface adjacent to S-149; continuous, augmented by seasonal surface water infiltration.
137	Strip, Brookville	Gravity flow through spoils of S-150; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at S-149.

<u>Discharge Point (1)</u>	<u>Type of Mine and Coal Seam from Which Major Portion of Flow Originates</u>	<u>Description of Discharge Point</u>
138	Strip, Brookville	Gravity flow through drainage ditch from S-150; intermittent, fluctuates with surface water infiltration and runoff. Minor portions of flow originate at S-149.
139	Strip, Brookville	Gravity flow through ground surface adjacent to S-150; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at R-24 and S-149.
140	Strip, Brookville	Gravity flow through drainage ditch from S-150; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-149.
141	Strip, Brookville	Gravity flow through drainage ditch from S-150; intermittent, fluctuates with wet weather runoff. Minor portions of flow originate at S-149.
142	Test excavation, Brookville	Gravity flow through drainage ditch; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-149.
143	Test excavation, Brookville	Gravity flow through drainage ditch; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-149.
144	Strip, Clarion	Gravity flow through drainage ditch from S-153; intermittent, fluctuates with surface water infiltration.
145	Deep, Brookville	Gravity flow through spoils of intercepting S-151; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-151 and S-153.
146	Strip, Brookville	Gravity flow through spoils of S-151; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at S-153.
147	Strip, Brookville	Gravity flow through spoils of S-151; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at S-153.
148	Deep, Brookville	Gravity flow through ground surface adjacent to deep mine; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at R-24.
149	Deep, Brookville	Gravity flow through ground surface adjacent to deep mine; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at R-24, S-152 and S-153.

<u>Discharge Point (1)</u>	<u>Type of Mine and Coal Seam from Which Major Portion of Flow Originates</u>	<u>Description of Discharge Point</u>
150	Deep, Brookville	Gravity flow through spoils of intercepting S-152; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at R-24, B-31, S-152 and S-153.
151	Deep, Brookville	Gravity flow through D-75; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-153.
152	Deep, Brookville	Gravity flow through D-77; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at R-26, B-32 and S-153.
153	Strip, Brookville	Gravity flow through spoils of S-154; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at R-27.
154	Deep, Brookville	Gravity flow through drainage ditch from intercepting S-155; intermittent, fluctuates with surface water infiltration. Portions of flow originate at D-76, S-155, S-157 and S-158.
155	Deep, Brookville	Gravity flow through drainage ditch from intercepting S-156; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at S-156, S-157 and S-158.
156	Borehole drilled in strata below coal measures	Artesian flow through borehole; continuous, augmented by seasonal surface water infiltration.
157	Strips, Brookville and Clarion	Overflow from pool receiving discharge from S-160 and S-161; continuous, augmented by wet weather runoff. Minor portions of flow originate at R-29.
158	Strip, Clarion	Gravity flow through drainage ditch from S-161; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at R-30.
159	Strip, Brookville	Gravity flow through drainage ditch from S-160; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at S-161.
160	Strip, Brookville	Gravity flow from ground surface adjacent to S-160; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-161.
161	Strip, Brookville	Gravity flow through drainage ditch from S-160; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at S-161.

<u>Discharge Point (1)</u>	<u>Type of Mine and Coal Seam from Which Major Portion of Flow Originates</u>	<u>Description of Discharge Point</u>
162	Strip, Brookville	Gravity flow through drainage ditch from S-160; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-161.
163	Strip, Brookville	Gravity flow through drainage ditch from S-160; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-161.
164	Strip, Brookville	Gravity flow through spoils of S-160; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-161.
165	Strip, Brookville	Gravity flow through drainage ditch from S-164; intermittent, fluctuates with surface water infiltration.
166	Deep, Brookville	Gravity flow through drainage ditch from intercepting S-167; continuous, augmented by seasonal surface water infiltration. Portions of flow originate at D-80, S-166 and S-167.
167	Strip, Brookville	Gravity flow through drainage ditch from S-167; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at S-166.
168	Strip, Brookville	Gravity flow through drainage ditch from S-167; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-168.
169	Deep, Brookville	Gravity flow through spoils of intercepting S-167; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-167 and S-168.
170	Refuse Area	Gravity flow through drainage ditch from R-31; intermittent, fluctuates with wet weather runoff.
171	Refuse Area	Overflow from pool receiving discharge from R-31; continuous, fluctuates with wet weather runoff.
172	Strip, Brookville	Gravity flow through spoils of S-167; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at S-168.
173	Strip, Brookville	Gravity flow through spoils of S-167; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at S-168.

<u>Discharge Point (1)</u>	<u>Type of Mine and Coal Seam from Which Major Portion of Flow Originates</u>	<u>Description of Discharge Point</u>
174	Strip, Brookville	Gravity flow through drainage ditch from S-167; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-168 (Headwaters of Logway Run).
175	Deep, Brookville	Gravity flow through drainage ditch from intercepting S-170; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at S-169 and S-170.
176	Deep, Brookville	Gravity flow through drainage ditch from intercepting S-172; intermittent, fluctuates with surface water infiltration. Minor portions of flow originate at B-34, S-172 and S-173.
177	Strip, Brookville	Gravity flow through drainage ditch from S-175; intermittent, fluctuates with surface water infiltration.
178	Deep, Brookville	Gravity flow through drainage ditch from intercepting S-182; intermittent, fluctuates with surface water infiltration.
179	Strip, Brookville	Gravity flow through drainage ditch from S-184; intermittent, fluctuates with surface water infiltration.
180	Strip, Brookville	Gravity flow through drainage ditch from S-184; continuous, augmented by seasonal surface water infiltration.
181	Strip, Brookville	Gravity flow through drainage ditch from S-184; continuous, augmented by seasonal surface water infiltration.
182	Strip, Brookville	Gravity flow through drainage ditch from S-184; continuous, augmented by seasonal surface water infiltration.
183	Deep, Mercer	Gravity flow through D-87; continuous, augmented by seasonal surface water infiltration. Minor portions of flow originate at B-38.
184	Deep, Mercer	Gravity flow through D-88; continuous, augmented by seasonal surface water infiltration.

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