

**APPENDIX I**  
**WATERBODY CROSSINGS**

## APPENDIX I

## Perennial and Intermittent Waterbodies Crossed by the Mid-Atlantic Express Pipeline

MP	Name	Type	Crossing Width (ft)	Linear Impact (ft)	Area of Construction Impact (ac)	Crossing Method <u>b</u> /	Seasonal Restriction <u>d</u> /	Classification <u>a</u> /	State Fishery Classification <u>c</u> /
<b>Baltimore Co., Maryland</b>									
0.75	Humphrey Creek/Canal Water Treatment Facility	Perennial	112	50	0.13	2B	none	NE	I
6.86	Bread and Cheese Creek	Perennial	18	29	0.01	1	March 1 – May 31	MD 5	IV-P
7.03	unnamed tributary to Bread and Cheese Creek	Perennial	6	120	0.02	2A or 2B	March 1 – May 31	MD 5	IV-P
7.2	unnamed tributary to Bread and Cheese Creek	Intermittent	5	65	0.01	2A or 2B	March 1 – May 31	MD 5	IV-P
7.27	unnamed tributary to Bread and Cheese Creek	Intermittent	4	76	0.01	2A or 2B	March 1 – May 31	MD 5	IV-P
7.4	unnamed tributary to Bread and Cheese Creek	Perennial	4	78	0.01	2A or 2B	March 1 – May 31	MD 5	IV-P
7.97	Branch of Back River	Perennial	18	79	0.03	2A or 2B	March 1 – June 15	MD 2, 4a, 5	I
8.6	unnamed tributary to Branch of Back River	Intermittent	10	0	0	NA	March 1 – June 15	MD 2, 4a, 5	I
8.71	Back River	Perennial	260	50	0.30	4	March 1 – June 15	MD 2, 4a, 5	I
9.77	unnamed tributary to Northeast Creek	Perennial	6	89	0.01	2A or 2B	March 1 – June 15	NE	I
10.27	unnamed tributary to Northeast Creek	Perennial	10	51	0.01	2A or 2B	March 1 – June 15	NE	I
10.42	unnamed tributary to Northeast Creek	Perennial	18	77	0.03	3	March 1 – June 15	NE	I
11.17	Stemmers Run	Perennial	15	78	0.03	3	March 1 – June 15	MD 5	I
11.21	unnamed tributary to Stemmers Run	Intermittent	4	99	0.01	1	March 1 – June 15	MD 5	I
11.3	unnamed tributary to Brien Run	Intermittent	4	0	0	NA	March 1 – June 15	MD 5	I
11.53	Brien Run - 1	Perennial	12	149	0.04	3	March 1 – June 15	MD 5	I
11.6	Brien Run - 2	Perennial	12	153	0.04	3	March 1 – June 15	MD 5	I
12.87	unnamed tributary to Brien Run - 2	Perennial	8	90	0.02	2A or 2B	March 1 – June 15	MD 5	I

APPENDIX I

Perennial and Intermittent Waterbodies Crossed by the Mid-Atlantic Express Pipeline

MP	Name	Type	Crossing Width (ft)	Linear Impact (ft)	Area of Construction Impact (ac)	Crossing Method <u>b/</u>	Seasonal Restriction <u>d/</u>	Classification <u>a/</u>	State Fishery Classification <u>c/</u>
13.35	unnamed tributary to White Marsh Run - 1	Intermittent	1	82	0	2A or 2B	March 1 – May 31	NE	IV
14.2	unnamed tributary to White Marsh Run - 1	Perennial	5	0	0	NA	March 1 – May 31	MD 5	IV
14.38	White Marsh Run	Perennial	80	68	0.13	3	March 1 – June 15	MD 5	IV
14.8	unnamed tributary to White Marsh Run - 1	Perennial	24	0	0	NA	March 1 – May 31	MD 5	IV
14.9	unnamed tributary to White Marsh Run - 1	Perennial	30	93	0.06	2A or 2B	March 1 – May 31	MD 5	IV
15.09	White Marsh Run - 2	Perennial	25	105	0.06	3	March 1 – May 31	MD 5	IV
15.5	White Marsh Run - 3	Perennial	50	75	0.09	2A or 2B	March 1 – May 31	MD 5	IV
15.57	unnamed tributary to White Marsh Run – 3	Intermittent	8	77	0.01	1	March 1 – May 31	MD 5	IV
15.81	unnamed tributary to White Marsh Run – 3	Perennial	4	96	0.01	2A or 2B	March 1 – May 31	MD 5	IV
16.48	unnamed tributary to White Marsh Run – 3	Intermittent	6	82	0.01	1	March 1 – May 31	MD 5	IV
16.69	unnamed tributary to White Marsh Run – 3	Perennial	7	91	0.01	2A or 2B	March 1 – May 31	MD 5	IV
16.87	unnamed tributary to White Marsh Run – 3	Intermittent	4	118	0.01	1	March 1 – May 31	MD 5	IV
16.88	unnamed tributary to White Marsh Run – 3	Perennial	4	125	0.01	2A or 2B	March 1 – May 31	MD 5	IV
17.11	unnamed tributary to White Marsh Run – 3	Intermittent	7	73	0.01	1	March 1 – May 31	MD 5	IV
17.14	unnamed tributary to White Marsh Run – 3	Intermittent	7	87	0.01	1	March 1 – May 31	MD 5	IV
18.28	Gunpowder Falls	Perennial	90	75	0.15	5	March 1 – June 15	MD 3, 5	I
19.18	unnamed tributary to Gunpowder Falls	Perennial	8	44	0.01	2A or 2B	March 1 – June 15	MD 3, 5	I
19.2	unnamed tributary to Gunpowder Falls	Perennial	12	155	0.04	2A or 2B	March 1 – June 15	MD 3, 5	I
20.64	unnamed tributary to Gunpowder Falls	Perennial	16	121	0.04	2A or 2B	March 1 – June 15	MD 3, 5	I

APPENDIX I

Perennial and Intermittent Waterbodies Crossed by the Mid-Atlantic Express Pipeline

MP	Name	Type	Crossing Width (ft)	Linear Impact (ft)	Area of Construction Impact (ac)	Crossing Method <u>b/</u>	Seasonal Restriction <u>d/</u>	Classification <u>a/</u>	State Fishery Classification <u>c/</u>
20.68	unnamed tributary to Little Gunpowder Falls	Perennial	6	146	0.02	2A or 2B	October 1 – April 30	MD 3, 5	III
21.23	unnamed tributary to Little Gunpowder Falls	Perennial	16	112	0.04	2A or 2B	October 1 – April 30	MD 3, 5	III
22.22	Little Gunpowder Falls	Perennial	51	75	0.09	3	October 1 – April 30	MD 3, 5	III
<b>Harford Co., Maryland</b>									
23.39	Wildcat Branch	Perennial	8	89	0.02	2A or 2B	October 1 – April 30	NE	III
23.89	unnamed tributary to Wildcat Branch	Perennial	4	171	0.02	2A or 2B	October 1 – April 30	NE	III
24.96	unnamed tributary to Elbow Brook	Intermittent	9	54	0.01	1	March 1 – May 31	NE	IV-P
25.34	unnamed tributary to Elbow Brook	Perennial	4	172	0.02	2A or 2B	March 1 – May 31	NE	IV-P
25.36	Elbow Brook - 1	Perennial	11	94	0.02	2A or 2B	March 1 – May 31	NE	IV-P
25.49	Elbow Brook - 2	Perennial	11	204	0.05	2A or 2B	March 1 – May 31	NE	IV-P
25.92	unnamed tributary to Elbow Brook - 2	Perennial	9	0	0	NA	March 1 – May 31	NE	IV-P
27.01	unnamed tributary to Winters Run	Intermittent	5	80	0.01	2A or 2B	March 1 – May 31	MD 2, 4a, 5	IV-P
27.47	Winters Run	Perennial	44	90	0.09	3	March 1 – May 31	MD 2, 4a, 5	IV-P
28.16	Long Branch - 1	Perennial	24	73	0.04	3	March 1 – May 31	NE	IV-P
28.22	Long Branch - 2	Intermittent	5	88	0.01	3	March 1 – May 31	NE	IV-P
28.35	unnamed tributary to Long Branch - 2	Perennial	9	70	0.01	2A or 2B	March 1 – May 31	NE	IV-P
28.63	unnamed tributary to Long Branch - 2	Perennial	6	79	0.01	2A or 2B	March 1 – May 31	NE	IV-P
29.28	unnamed tributary to Long Branch - 2	Perennial	5	79	0.01	2A or 2B	March 1 – May 31	NE	IV-P
29.73	unnamed tributary to Long Branch - 2	Perennial	5	100	0.01	2A or 2B	March 1 – May 31	NE	IV-P
30.61	unnamed tributary to Stirrup Run	Perennial	5	120	0.01	2A or 2B	March 1 – May 31	MD 3	IV-P

APPENDIX I

Perennial and Intermittent Waterbodies Crossed by the Mid-Atlantic Express Pipeline

MP	Name	Type	Crossing Width (ft)	Linear Impact (ft)	Area of Construction Impact (ac)	Crossing Method <u>b/</u>	Seasonal Restriction <u>d/</u>	Classification <u>a/</u>	State Fishery Classification <u>e/</u>
30.71	unnamed tributary to Stirrup Run	Perennial	5	76	0.01	2A or 2B	March 1 – May 31	MD 3	IV-P
30.8	unnamed tributary to Stirrup Run	Perennial	6	17	0	2A or 2B	March 1 – May 31	MD 3	IV-P
30.8	unnamed tributary to Stirrup Run	Intermittent	5	81	0.01	1	March 1 – May 31	MD 3	IV-P
30.84	unnamed tributary to Stirrup Run	Perennial	5	148	0.02	2A or 2B	March 1 – May 31	MD 3	IV-P
31.06	unnamed tributary to Stirrup Run	Intermittent	6	80	0.01	1	March 1 – May 31	MD 3	IV-P
31.67	Stirrup Run	Perennial	7	125	0.02	2A or 2B	March 1 – May 31	MD 3	IV-P
31.71	unnamed tributary to Stirrup Run	Perennial	3	61	0	2A or 2B	March 1 – May 31	MD 3	IV-P
31.88	unnamed tributary to Stirrup Run	Perennial	6	10	0	2A or 2B	March 1 – May 31	MD 3	IV-P
32.13	unnamed tributary to Stirrup Run	Intermittent	6	77	0.01	1	March 1 – May 31	MD 3	IV-P
32.39	unnamed tributary to Stirrup Run	Perennial	5	90	0.01	2A or 2B	March 1 – May 31	MD 3	IV-P
33.32	unnamed tributary to Deer Creek	Perennial	8	150	0.03	2A or 2B	March 1 – May 31	MD 2, 3a, 5	IV-P
33.36	unnamed tributary to Deer Creek	Intermittent	5	77	0.01	1	March 1 – May 31	MD 2, 3a, 5	IV-P
33.8	unnamed tributary to Deer Creek	Perennial	6	169	0.02	2A or 2B	March 1 – May 31	MD 2, 3a, 5	IV-P
34.41	unnamed tributary to Deer Creek	Intermittent	3	0	0	NA	March 1 – May 31	MD 2, 3a, 5	IV-P
34.48	unnamed tributary to Deer Creek	Intermittent	6	81	0.01	1	March 1 – May 31	MD 2, 3a, 5	IV-P
34.88	unnamed tributary to Deer Creek	Intermittent	3	50	0	1	March 1 – May 31	MD 2, 3a, 5	IV-P
35.54	Deer Creek	Perennial	100	75	0.17	2A	March 1 – May 31	MD 2, 3a, 5	IV-P
35.99	unnamed tributary to Deer Creek	Perennial	5	96	0.01	2A or 2B	March 1 – May 31	MD 2, 3a, 5	IV-P

APPENDIX I

Perennial and Intermittent Waterbodies Crossed by the Mid-Atlantic Express Pipeline

MP	Name	Type	Crossing Width (ft)	Linear Impact (ft)	Area of Construction Impact (ac)	Crossing Method <u>b/</u>	Seasonal Restriction <u>d/</u>	Classification <u>a/</u>	State Fishery Classification <u>e/</u>
36.07	unnamed tributary to Deer Creek	Intermittent	5	163	0.02	1	March 1 – May 31	MD 2, 3a, 5	IV-P
36.42	unnamed tributary to Deer Creek	Intermittent	8	109	0.02	1	March 1 – May 31	MD 2, 3a, 5	IV-P
36.55	unnamed tributary to Deer Creek	Intermittent	8	66	0.01	1	March 1 – May 31	MD 2, 3a, 5	IV-P
36.6	unnamed tributary to Deer Creek	Intermittent	3	0	0	NA	March 1 – May 31	MD 2, 3a, 5	IV-P
36.96	unnamed tributary to Deer Creek	Intermittent	8	158	0.03	1	March 1 – May 31	MD 2, 3a, 5	IV-P
37.76	unnamed tributary to Deer Creek	Perennial	5	113	0.01	2A or 2B	March 1 – May 31	MD 2, 3a, 5	IV-P
37.78	unnamed tributary to Deer Creek	Intermittent	10	122	0.03	1	March 1 – May 31	MD 2, 3a, 5	IV-P
38.12	unnamed tributary to Deer Creek	Intermittent	1	0	0	NA	March 1 – May 31	MD 2, 3a, 5	IV-P
38.13	unnamed tributary to Deer Creek	Intermittent	4	79	0.01	1	March 1 – May 31	MD 2, 3a, 5	IV-P
38.22	unnamed tributary to Deer Creek	Intermittent	6	72	0.01	1	March 1 – May 31	MD 2, 3a, 5	IV-P
38.26	unnamed tributary to Deer Creek	Intermittent	8	90	0.02	1	March 1 – May 31	MD 2, 3a, 5	IV-P
38.31	unnamed tributary to Deer Creek	Intermittent	6	0	0	NA	March 1 – May 31	MD 2, 3a, 5	IV-P
38.7	unnamed tributary to Deer Creek	Intermittent	6	125	0.02	1	March 1 – May 31	MD 2, 3a, 5	IV-P
38.73	unnamed tributary to Deer Creek	Intermittent	3	77	0.01	1	March 1 – May 31	MD 2, 3a, 5	IV-P
38.75	unnamed tributary to Deer Creek	Perennial	6	170	0.02	2A or 2B	March 1 – May 31	MD 2, 3a, 5	IV-P
39.06	unnamed tributary to Deer Creek	Perennial	6	84	0.01	2A or 2B	March 1 – May 31	MD 2, 3a, 5	IV-P
39.16	unnamed tributary to Deer Creek	Perennial	6	74	0.01	2A or 2B	March 1 – May 31	MD 2, 3a, 5	IV-P

APPENDIX I

Perennial and Intermittent Waterbodies Crossed by the Mid-Atlantic Express Pipeline

MP	Name	Type	Crossing Width (ft)	Linear Impact (ft)	Area of Construction Impact (ac)	Crossing Method <u>b/</u>	Seasonal Restriction <u>d/</u>	Classification <u>a/</u>	State Fishery Classification <u>e/</u>
39.78	unnamed tributary to Deer Creek	Intermittent	4	84	0.01	1	March 1 – May 31	MD 2, 3a, 5	IV-P
41.79	Peddler Run	Perennial	12	78	0.02	2A or 2B	March 1 – June 15	NE	I-P
42.61	Peddler Run	Perennial	13	100	0.03	2A or 2B	March 1 – June 15	NE	I-P
43.25	Peddler Run	Perennial	4	78	0.01	2A or 2B	March 1 – June 15	NE	I-P
<b>Cecil Co., Maryland</b>									
43.63	Peddler Run	Perennial	14	78	0.03	2A or 2B	March 1 – June 15	NE	I-P
44.23	Susquehanna River	Perennial	3115.2	0	0	4	March 1 – June 15	MD 2, 3, 5	I-P
45.23	unnamed tributary to Conowingo Creek	Intermittent	12	0	0	NA	March 1 – June 15	NE	I-P
45.24	unnamed tributary to Conowingo Creek	Intermittent	10	0	0	NA	March 1 – June 15	NE	I-P
45.27	Conowingo Creek	Perennial	30	118	0.08	2B	March 1 – June 15	NE	I-P
45.54	unnamed tributary to Conowingo Creek	Perennial	20	78	0.04	3	March 1 – June 15	NE	I-P
46.17	unnamed outflow for wetland 670WA1	Intermittent	1	63	0	1	March 1 – June 15	NE	I-P
47.15	unnamed tributary to Conowingo Creek	Perennial	8	90	0.02	2A or 2B	March 1 – June 15	NE	I-P
<b>Lancaster Co., Pennsylvania</b>									
49.5	unnamed tributary to Octoraro Creek	Perennial	6	117	0.02	2A or 2B	none	PA 2, 3	TSF
49.72	unnamed tributary to Octoraro Creek	Perennial	10	84	0.02	2A or 2B	none	PA 2, 3	TSF
50.36	unnamed tributary to Reynolds Run	Perennial	8	80	0.01	2A or 2B	none	NE	HQ
50.88	unnamed tributary to Reynolds Run	Perennial	25	70	0.04	3	none	NE	HQ
50.89	unnamed tributary to Reynolds Run	Intermittent	5	81	0.01	2A or 2B	none	NE	HQ
50.89	unnamed tributary to Reynolds Run	Intermittent	5	0	0	NA	none	NE	HQ

## APPENDIX I

## Perennial and Intermittent Waterbodies Crossed by the Mid-Atlantic Express Pipeline

MP	Name	Type	Crossing Width (ft)	Linear Impact (ft)	Area of Construction Impact (ac)	Crossing Method <u>b</u> /	Seasonal Restriction <u>d</u> /	Classification <u>a</u> /	State Fishery Classification <u>e</u> /
51.59	Reynolds Run	Perennial	20	0	0	NA	none	NE	HQ
51.6	unnamed tributary to Reynolds Run	Perennial	25	72	0.04	2A or 2B	none	NE	HQ
51.96	Reynolds Run	Intermittent	6	111	0.02	1	none	NE	HQ
53.32	unnamed tributary to Octoraro Creek	Intermittent	2	79	0	1	none	PA 2, 3	TSF
53.93	unnamed tributary to Octoraro Creek	Perennial	12	77	0.02	3	none	PA 2, 3	TSF
54.57	unnamed tributary to Octoraro Creek	Perennial	2	95	0	2A or 2B	none	PA 2, 3	TSF
54.77	Reynolds Run	Perennial	6	55	0.01	2A or 2B	none	NE	HQ
54.82	Reynolds Run	Perennial	20	77	0.04	2A or 2B	none	NE	HQ
55.47	McCreary Run	Perennial	10	78	0.02	2A or 2B	none	PA 2	HQ
56.01	unnamed tributary to Octoraro Creek	Perennial	6	79	0.01	2A or 2B	none	PA 2, 3	WWF
<b>Lancaster/Chester Co., Pennsylvania</b>									
56.31	Octoraro Creek	Perennial	70	77	0.12	2B	March 1 – June 15	PA 2, 3	WWF
<b>Chester Co., Pennsylvania</b>									
56.93	Tweed Creek	Perennial	40	78	0.07	2A or 2B	none	PA 2, 3	TSF
58.09	Leech Run	Perennial	60	103	0.14	2A or 2B	none	PA 2, 3	TSF
61.17	unnamed tributary to Muddy Run	Perennial	1	41	0	2A or 2B	none	MD 3, 4a, 4c, 5	TSF
61.18	unnamed tributary to Muddy Run	Intermittent	1	86	0	1	none	MD 3, 4a, 4c, 5	TSF
61.18	unnamed tributary to Muddy Run	Perennial	10	86	0.02	2A or 2B	none	MD 3, 4a, 4c, 5	TSF
61.19	unnamed tributary to Muddy Run	Perennial	4	32	0	2A or 2B	none	MD 3, 4a, 4c, 5	TSF
62.34	unnamed tributary to Muddy Run	Intermittent	4	0	0	NA	none	MD 3, 4a, 4c, 5	TSF
62.44	unnamed tributary to Muddy Run	Perennial	10	86	0.02	2A or 2B	none	MD 3, 4a, 4c, 5	TSF

APPENDIX I

Perennial and Intermittent Waterbodies Crossed by the Mid-Atlantic Express Pipeline

MP	Name	Type	Crossing Width (ft)	Linear Impact (ft)	Area of Construction Impact (ac)	Crossing Method <u>b/</u>	Seasonal Restriction <u>d/</u>	Classification <u>a/</u>	State Fishery Classification <u>e/</u>
62.92	unnamed tributary to Rattlesnake Run	Perennial	8	100	0.02	2A or 2B	none	MD 3, 4a, 4c, 5	TSF
63.93	unnamed tributary to East Elk Creek	Perennial	2	116	0.01	2A or 2B	none	NE	TSF
64.04	unnamed tributary to East Elk Creek	Intermittent	3	29	0	1	none	NE	TSF
64.16	unnamed tributary to East Elk Creek	Intermittent	4	0	0	NA	none	NE	TSF
64.17	unnamed tributary to East Elk Creek	Intermittent	3	0	0	NA	none	NE	TSF
64.24	unnamed tributary to East Elk Creek	Intermittent	2	53	0	1	none	NE	TSF
64.25	unnamed tributary to East Elk Creek	Intermittent	3	86	0.01	1	none	NE	TSF
64.27	unnamed tributary to East Elk Creek	Intermittent	10	80	0.02	1	none	NE	TSF
64.77	unnamed tributary to East Elk Creek	Intermittent	5	50	0.01	2A or 2B	none	NE	TBD
65.13	unnamed tributary to East Elk Creek	Intermittent	4	64	0.01	1	none	NE	TSF
66.02	unnamed tributary to Doe Run	Intermittent	4	78	0.01	1	none	PA 2, 3, 5	TSF
66.24	unnamed tributary to Doe Run	Perennial	4	88	0.01	2A or 2B	none	PA 2, 3, 5	TSF
66.25	unnamed tributary to Doe Run	Perennial	4	102	0.01	2A or 2B	none	PA 2, 3, 5	TSF
66.46	unnamed tributary to Doe Run	Intermittent	2	54	0	1	none	PA 2, 3, 5	TSF
67.15	unnamed tributary to Doe Run	Perennial	6	87	0.01	2A or 2B	none	PA 2, 3, 5	TSF
67.48	unnamed tributary to Doe Run	Perennial	8	77	0.01	2A or 2B	none	PA 2, 3, 5	TSF
69.88	unnamed tributary to Doe Run	Perennial	6	62	0.01	2A or 2B	none	PA 2, 3, 5	TSF
69.92	unnamed tributary to Doe Run	Perennial	8	75	0.01	2A or 2B	none	PA 2, 3, 5	TSF
70.35	unnamed tributary to Doe Run	Intermittent	5	157	0.02	1	none	PA 2, 3, 5	TSF
70.52	unnamed tributary to Buck Run	Perennial	5	105	0.01	2A or 2B	none	PA 2,3, 4c, 5	TSF
71.38	unnamed tributary to Buck Run	Intermittent	6	122	0.02	TBD	none	PA 2,3, 4c, 5	TSF
71.4	unnamed tributary to Buck Run	Intermittent	6	76	0.01	TBD	none	PA 2,3, 4c, 5	TSF

APPENDIX I

Perennial and Intermittent Waterbodies Crossed by the Mid-Atlantic Express Pipeline

MP	Name	Type	Crossing Width (ft)	Linear Impact (ft)	Area of Construction Impact (ac)	Crossing Method <u>b/</u>	Seasonal Restriction <u>d/</u>	Classification <u>a/</u>	State Fishery Classification <u>e/</u>
72.14	Buck Run	Perennial	50	78	0.09	3	March 1 – June 15	PA 2,3, 4c, 5	TSF
73.61	unnamed tributary to Doe Run	Perennial	6	151	0.02	2A or 2B	none	PA 2, 4a, 5	WWF
73.62	unnamed tributary to Doe Run	Perennial	6	45	0.01	2A or 2B	none	PA 2, 4a, 5	WWF
74.19	West Branch Brandywine Creek	Perennial	70	75	0.12	3 or 5	March 1 – June 15	PA 2, 4a, 5	WWF
74.38	unnamed tributary to Brandywine Creek	Intermittent	3	115	0.01	1	none	PA 2, 4a, 5	CWF
75.14	unnamed tributary to Brandywine Creek	Perennial	6	103	0.01	2A or 2B	none	PA 2, 4a, 5	CWF
75.17	unnamed tributary to Brandywine Creek	Perennial	7	99	0.02	2A or 2B	none	PA 2, 4a, 5	CWF
75.57	unnamed tributary to Broad Run	Intermittent	2	64	0	TBD	none	PA 2, 3, 4a, 4c, 5	EV
76.45	unnamed tributary to Broad Run	Intermittent	10	370	0.08	TBD	none	PA 2, 3, 4a, 4c, 5	EV
76.54	Broad Run	Intermittent	6	88	0.01	1	none	PA 2, 3, 4a, 4c, 5	EV
77.19	unnamed tributary to Broad Run	Perennial	12	0	0	NA	none	PA 2, 3, 4a, 4c, 5	EV
77.27	unnamed tributary to Broad Run	Perennial	16	97	0.04	3	none	PA 2, 3, 4a, 4c, 5	EV
77.49	unnamed tributary to Broad Run	Perennial	12	109	0.03	2A or 2B	none	PA 2, 3, 4a, 4c, 5	EV
78.14	unnamed tributary to Beaver Creek	Intermittent	5	40	0	2A or 2B	none	PA 2, 3, 4c, 5	TSF
79.35	unnamed tributary to Beaver Creek	Perennial	5	83	0.01	2A or 2B	none	PA 2, 3, 4c, 5	TSF
79.37	Beaver Creek	Intermittent	5	90	0.01	2A or 2B	none	PA 2, 3, 4c, 5	TSF
79.61	Beaver Creek	Intermittent	5	75	0.01	2A or 2B	none	PA 2, 3, 4c, 5	TSF
82.19	Unnamed tributary to East Branch Brandywine Creek	Perennial	6	55	0.01	2A or 2B	none	PA 2, 3, 4c, 5	WWF
82.31	East Branch Brandywine Creek	Perennial	75	18	0.03	3	March 1 – June 15	PA 2, 3, 4c, 5	WWF
82.58	Shamona	Perennial	35	75	0	NA	none	PA 2	HQ

APPENDIX I

Perennial and Intermittent Waterbodies Crossed by the Mid-Atlantic Express Pipeline

MP	Name	Type	Crossing Width (ft)	Linear Impact (ft)	Area of Construction Impact (ac)	Crossing Method <u>b/</u>	Seasonal Restriction <u>d/</u>	Classification <u>a/</u>	State Fishery Classification <u>c/</u>
83.49	unnamed tributary to Marsh Creek Lake	Intermittent	4	89	0.01	1	none	PA 2	HQ
84.39	unnamed tributary to Marsh Creek Lake	Perennial	15	75	0.03	2A or 2B	none	PA 2	HQ
84.85	unnamed tributary to Marsh Creek Lake	Perennial	8	75	0.01	2A or 2B	none	PA 2	HQ
Total				14002	4.07				

NOTES:

NE = Not Established

NA = Not Applicable

a/ State Stream Classes – Maryland

2 = Includes surface waters that are meeting some standards and have insufficient information to determine attainment of other standards.

3 = Includes surface waters that have insufficient quantity (Category 3a) or quality (Category 3b) data information to determine waterbody attainment status.

4a = Includes surface waters that are still impaired but have TMDL that has been complete or submitted to EPA.

4c =

5 = Historically known as the 303 (d) List and includes waterbodies that may require a TMDL.

State Stream Classes – Pennsylvania

2 = Waters where some, but not all, designated users are met. Attainment status of the remaining designated uses is unknown because data are insufficient to

3 = Waters for which there are insufficient or not data and information to determine, consistent with the State's listing methodology, if designated uses are met.

4 = Waters impaired for one or more designated use but not needing a TMDL. States may place these waters in of the follower three subcategories:

4A = TMDL has been completed.

4C = Not impaired by a pollutant.

5 = Waters impaired for one or more designated uses by any pollutant. Category 5 includes waters shown to be impaired as the result of biological assessments used

b/ Crossing Type (also see figures of crossing methods in BMPs; See AES Application, Resource Report 2, Appendix 2B, (Docket Number CP07-62-000, Accession No. 20070109-4012)

1=Intermittent minor waterbody – wet open cut (See Accession No. 20070109-4012, figure 19)

2A=Dry flumed open cut crossing (See Accession No. 20070109-4012, figure 18)

2B=Dam & pump open cut crossing (See Accession No. 20070109-4012, figure 17)

3=Intermediate wet open cut (See Accession No. 20070109-4012, figure 19)

4=Horizontal Directional Drill (HDD)

5 = cofferdam, possibly in combination with a flume (See Accession No. 20070109-4012, figure 18a)

c/ State Water Quality Classification (Fisheries):

Maryland

APPENDIX I

Perennial and Intermittent Waterbodies Crossed by the Mid-Atlantic Express Pipeline

MP	Name	Type	Crossing Width (ft)	Linear Impact (ft)	Area of Construction Impact (ac)	Crossing Method <u>b/</u>	Seasonal Restriction <u>d/</u>	Classification <u>a/</u>	State Fishery Classification <u>c/</u>
	<p>I=Water Contact Recreation and Protection of Aquatic Life                      I-P=Water Contract Recreation, Protection of Aquatic Life and Public Water Supply                      III=Natural Trout Waters                      III-P=Natural Trout Waters and Public Water Supply                      IV=Recreational Trout Waters                      IV-P=Recreational Trout Waters and Public Water Supply</p> <p>Pennsylvania</p> <p>TSF=Trout Stocking                      CWF=Cold Water Fisheries                      WWF = Warm Water Fisheries                      HQ=High Quality Waters                      EV=Exceptional Value Waters</p> <p>d/ Seasonal restrictions, i.e. time when stream-crossing construction is prohibited, are based upon consultation with Maryland Department of Natural Resources (MDNR) or Pennsylvania Fish and Boating Commission (PFBC), as appropriate.</p>								