APPENDIX F

NGT PROJECT INCORPORATED ROUTE VARIATIONS

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NGT Project Incorporated Route Variations

Start MP	End MP	Length of Variation (Feet)	County (or Counties)	Supporting Reason(s) for Variation	Date Reported
0.0 TGP	0.9 TGP	4,711	Columbiana	Avoids metering sites and other infrastructure at Kensington Process Facility.	Prefiling (June 2015)
0.0	0.2	775	Columbiana	Rerouted at landowner request	Data response (March 2016)
0.0	1.3	7,659	Columbiana	Rerouted around existing infrastructure per request of Momentum Midstream.	Prefiling (June 2015)
1.3	2.2	4,540	Columbiana	Avoids two high voltage powerline crossings and reroutes to travel perpendicular to the stream.	Application (November 2015)
1.4	1.7	1,414	Columbiana	Avoids a pond, house and barn	Prefiling (June 2015)
2.1	2.3	775	Columbiana	Variation to change crossing angle at the roadway	Data response (March 2016)
2.1	2.3	1,126	Columbiana	Avoids a well, minimizes distance paralleling stream and reduces footprint within FEMA floodplain	Prefiling (June 2015)
3.4	4.1	3,556	Columbiana	Reroute maintains proper offset from the First Energy easement.	Application (November 2015)
3.5	3.6	450	Columbiana	Avoid overlap with existing utility easement	Data response (March 2016)
3.8	4	941	Columbiana	Avoid overlap with existing utility easement	Data response (March 2016)
4.1	4.3	1,020	Columbiana	Landowner request to preserve trees north of the alignment	Prefiling (June 2015)
4.2	4.6	2,122	Columbiana	Avoids a wellhead and storage tank	Prefiling (June 2015)
4.3	4.5	614	Columbiana	Avoid overlap with existing utility easement	Data response (March 2016)
5.2	5.7	2,638	Columbiana	Reroute maintains proper offset from the First Energy easement and adjusts to create constructable crossing of Rochester Road.	Application (November 2015)
5.4	5.8	2,425	Columbiana	Reroute avoids crossing through a pond	Prefiling (June 2015)
5.7	5.8	420	Columbiana	Avoid overlap with existing utility easement	Data response (March 2016)
5.9	6.3	2,129	Columbiana	Avoid overlap with existing utility easement	Data response (March 2016)
5.9	6.6	1,552	Columbiana	Reroute maintains proper offset from the First Energy easement	Application (November 2015)
6.6	8.6	10,198	Columbiana	Minimizes wetland and forested crossing length by crossing Category III wetland via HDD.	Application (November 2015)
6.8	7.0	949	Columbiana		Prefiling (June 2015)
7.1	7.6	2,225	Columbiana	Avoid a sensitive resource wetland area	Data response (March 2016)
7.3	7.8	2,158	Columbiana	Minimizes steep slope and wetland crossings	Prefiling (June 2015)
7.7	7.8	772	Columbiana	Reroute to accommodate HDD entry location	Data response (March 2016)
8.7	9.8	6,939	Columbiana	Minimizes forested clearing and wetland impacts	Application (November 2015)
9.7	10.7	5,451	Columbiana	Reroute maintains proper offset from the First Energy easement	Application (November 2015)
10.3	10.5	912	Columbiana	Avoid overlap with existing utility easement	Data response (March 2016)
10.7	11.7	4,525	Columbiana	Changes the location of a railroad crossing and minimizes forested clearing	Application (November 2015)

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11.3	11.5	1,345	Columbiana	Avoids and minimizes crossing through forested wetlands and along stream, which minimizes forested wetland conversion	Prefiling (June 2015)
11.8	14.1	11,306	Columbiana, Stark	Reroute maintains proper offset from the First Energy easement	Application (November 2015)
13.6	13.8	1,041	Stark	Creates a right-angle crossing at Highway 183; avoids two ditched streams at boring location	Prefiling (June 2015)
14.3	14.7	2,131	Stark	Reroute maintains proper offset from the First Energy easement	Application (November 2015)
14.3	14.7	2,057	Stark	Avoid overlap with existing utility easement	Data response (March 2016)
15.5	16.2	3,920	Stark	Reroute maintains proper offset from the First Energy easement	Application (November 2015)
15.7	17.4	9,098	Stark	Rerouted per landowner request	Data response (March 2016)
18.6	22.2	17,662	Stark	Reroute avoids running parallel to a stream, minimizes forest and wetland impacts and improves crossing at Highway 62	Application (November 2015)
18.7	19.1	1,804	Stark	Avoids a crude oil storage tank, minimizes forested wetland clearing adjacent to a creek and avoids a survey section corner point installed by Ohio State Survey	Prefiling (June 2015)
22.1	22.5	2,762	Stark	Reroute per landowner request to route the line between a pump jack and storage tanks on the property	Application (November 2015)
23.3	23.4	1,000	Stark	Reroute to improve crossing of existing pipeline	Data response (March 2016)
23.9	24.4	2,288	Stark	Reroute per landowner request to move to the southern portion of property	Application (November 2015)
24.5	25.3	3,876	Stark	Avoids a pond and several houses, reduces forested wetland impacts, eliminates a stream crossing and avoids a large section of FEMA-mapped floodplain	Prefiling (June 2015)
26.4	28.1	9,124	Stark	Reroute avoids a conservation easement and satisfies landowner request to move route clower to a tree line	Application (November 2015)
27.7	27.8	566	Stark	Reroute to avoid existing culvert	Data response (March 2016)
27.7	28.1	2,340	Stark	Avoids an OEPA Class III wetland	Prefiling (June 2015)
28.6	29.1	2,735	Stark	Requested change per ODNR staff; avoids forested uplands	Prefiling (June 2015)
29.9	30.1	1,007	Stark	Avoids three large storage tanks	Prefiling (June 2015)
29.9	30.3	1,760	Stark	Avoids traversing a pond	Application (November 2015)
30.4	30.8	2,305	Stark	Avoids a pond and large associated wetland area and moves the alignment further away from two residences	Prefiling (June 2015)
30.7	31.2	2,668	Stark	Avoids a cultural site	Application (November 2015)
30.9	31.2	1,410	Stark	Avoids sensitive resource area and driveway	Data response (March 2016)

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31.4	32.1	2,973	Stark	Avoids a commercial structure, adjusts the crossing of a powerline, and improves constructability of a road and river crossing	Application (November 2015)
31.5	31.8	1,612	Stark	Avoid overlap with existing utility easement	Data response (March 2016)
32.5	39.6	37,066	Stark, Summit	Reroute to avoid impacts and address landowner concerns in the City of Green	Application (November 2015)
33.2	33.9	3,522	Stark	Reroute to avoid utilities	Data response (March 2016)
35.8	36.6	3,940	Summit	Reroute to avoid conflict with proposed business expansion	Data response (March 2016)
36.3	Joined at Removed Section of Former Alignment South of 37.2	4,669	Summit	Landowner request to avoid cutting through property and instead parallel northern property border.	Prefiling (June 2015)
36.7	37.0	1,330	Summit	Reroute to avoid conflict with proposed business expansion and to improve angle of existing pipelien crossing	Data response (March 2016)
39.7	41.9	9,515	Summit	Reroute based on stakeholder input and to avoid a Category III wetland	Data response (March 2016)
40.7	41.3	4,591	Summit	Reroute avoids impacts to a reservoir by adding a HDD	Application (November 2015)
41.9	42.6	3,089	Summit	Reroute maintains proper offset from the Dominion East Ohio Gas facilities	Application (November 2015)
42.2	42.3	643	Summit	Reroute to adjust angle of existing utility crossing	Data response (March 2016)
43.3	43.5	1,125	Summit	Reroute maintains proper offset from the Dominion East Ohio Gas facilities	Application (November 2015)
43.4	44.1	3,364	Summit	Reroute to avoid structures and workspace constraints	Data response (March 2016)
44.2	44.3	828	Summit	Reroute to adjust angle of existing pipeline crossing	Data response (March 2016)
44.4	45.2	4,302	Summit	Reroute maintains proper offset from the Dominion East Ohio Gas facilities	Application (November 2015)
46.4	46.4	373	Summit	Avoids stream impacts	Data response (March 2016)
46.4	46.7	1,717	Summit	Eliminates a point of inflection (PI)	Application (November 2015)
47.3	47.9	2,532	Summit	Eliminates a PI on a hill and minimizes forest impacts	Application (November 2015)
47.6	47.8	858	Summit	Reroute to accommodate HDD entry location	Data response (March 2016)
47.9	48.3	1,989	Summit, Wayne	Reroute to increase distance from residences and a barn	Prefiling (June 2015)
48.9	49.8	4,159	Summit	Eliminates crossing Pinto Drive and avoids storages tanks	Application (November 2015)
49	49.8	3,456	Wayne	Reroute to increase distance from residences	Prefiling (June 2015)
49.7	50.2	2,680	Summit	Reroute to avoid paralleling a stream	Data response (March 2016)
50.6	52.0	6,831	Wayne	Avoid overlap with existing utility easement	Data response (March 2016)

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52.0	52.1	493	Wayne	Reroute due to a landowner request	Data response (March 2016)
52.1	52.6	2,775	Wayne	Avoid overlap with existing utility easement	Data response (March 2016)
52.5	54.7	10,771	Wayne	Improves constructability of Highway 585 crossing and avoids impacts to future development	Application (November 2015)
52.7	53.0	1,395	Wayne	Reroute to avoid paralleling a stream	Data response (March 2016)
53.0	53.7	3,583	Wayne	Reroute avoids crossing near residences and powerline, and reduces forested areas crossed	Prefiling (June 2015)
53.1	53.2	819	Wayne	Reroute to avoid a ponded wetland	Data response (March 2016)
54.2	54.9	4,268	Wayne	Reroute per landowner request and to improve crossing angle with existing pipeline	Data response (March 2016)
55.7	56.4	3,043	Wayne	Avoids impacts to future development	Application (November 2015)
Departs from Removed Section of Former Alignment North of 56.1	57.1	5,530	Medina	Avoids house currently under construction and two large sheds/barns which have been constructed in past month	Prefiling (June 2015)
56.8	59.1	8,801	Wayne, Medina	Avoids Wadsworth Municipal Airport property and minimizes forest clearing near a stream	Application (November 2015)
57.1	57.4	1,487	Wayne, Medina	Reroute to avoid paralleling a stream	Data response (March 2016)
59.1	60.0	4,662	Medina	Per landowners request at Open House meeting – variation no longer runs between their houses	Prefiling (June 2015)
59.4	59.5	372	Medina	Reroute per a landowner request	Data response (March 2016)
60.1	60.3	638	Medina	Reroute to avoid an existing injection well	Data response (March 2016)
61.4	62.0	3,312	Medina	Per landowners request at Open House meeting – one landowner requested to have pipeline on their property and another requested it not to be placed on their property	Prefiling (June 2015)
61.6	62.3	4,118	Medina	Avoids construction workspace in close proximity to a stream	Application (November 2015)
62.7	63.1	2,119	Medina	Avoids construction workspace in close proximity to a stream and accommodates landowner request	Application (November 2015)
64.4	65.2	3,848	Medina	Accommodates landowner request	Application (November 2015)
68.4	69.0	3,417	Medina	Reroute changes the location of the Chippewa Rail Trail crossing	Application (November 2015)
68.9	69.6	3,767	Medina	Reroute to avoid sensitive resource	Data response (March 2016)

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Start MP	End MP	Length of Variation (Feet)	County (or Counties)	Supporting Reason(s) for Variation	Date Reported
69.2	69.3	661	Medina	Avoids having construction workspace in the vicinity of storage tanks	Application (November 2015)
70.0	70.5	2,703	Medina	Reroute to avoid a stormwater basin	Data response (March 2016)
70.4	70.9	2,743	Medina	Relocates PI and improves constructability	Application (November 2015)
70.8	71.8	5,264	Medina	Incorporates HDD crossing of a Category III wetland	Application (November 2015)
72.7	73.1	1,914	Medina	Shift due to updated civil survey	Data response (March 2016)
72.7	73.2	2,921	Medina	Avoids construction workspace in the vicinity of several streams and wetlands	Application (November 2015)
73.6	73.8	1,177	Medina	Avoids a communication box	Application (November 2015)
74.3	77.1	14,462	Medina	Per landowner request, that the pipeline be moved further to the north to travel through cleared agricultural fields – the resulting variation is further away from several developed lots, a stream crossing, a mature American Elm, and a wetland	Prefiling (June 2015)
75.0	75.2	652	Medina	Reoute to adjust crossing angle with existing pipeline	Data response (March 2016)
75.3	78.3	14,799	Medina	Avoids a Category III wetland	Application (November 2015)
75.9	76.2	1,300	Medina	Reoute to adjust crossing angle with existing pipeline	Data response (March 2016)
77.6	77.8	900	Medina	Reroute to shift PI away from existing pipelines	Data response (March 2016)
79.8	80.2	1,754	Lorain	Avoids a pond and moves the route further away from nearby homes	Prefiling (June 2015)
80.3	80.8	2,960	Lorain	Avoids a pet cemetery at request of landowners	Prefiling (June 2015)
80.4	80.6	1,196	Medina, Lorain	Avoid overlap with existing utility easement	Data response (March 2016)
80.8	81.7	3,999	Lorain	Avoids several houses and a wetland and reduces forested conversion.	Prefiling (June 2015)
81.2	81.7	2,354	Lorain	Avoids wetland impacts and moves workspace away from residence	Application (November 2015)
81.8	Joined at Removed Section of Former Alignment West of 82.9	5,224	Lorain	Avoids several homes and yards and reduces crossing distance through a portion of public park land	Prefiling (June 2015)
82.6	83.0	2,115	Lorain	Removes a PI in reroute around maple farm	Prefiling (June 2015)
Departs from Removed Section of Former Alignment West of 82.9	83.1	1,034	Lorain	Avoids a maple farm and minimizes mature forest conversion	Prefiling (June 2015)

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82.9	83.2	1,559	Lorain	Avoid overlap with existing utility easement	Data response (March 2016)
83.5	83.6	589	Lorain	Avoid overlap with existing utility easement	Data response (March 2016)
84.0	84.6	4	Lorain	Reroute per landowner request	Data response (March 2016)
84.3	85.1	4,019	Lorain	Avoids traversing two existing pipelines	Prefiling (June 2015)
86.3	86.9	3,398	Lorain	Improves alignment for East Branch Black River HDD	Application (November 2015)
Departs from Removed Section of Former Alignment North of 88.0	Joined at Removed Section of Former Alignment North of 88.4	2,299	Lorain	Avoids wetland and portion of a Lorain County Metro Park	Prefiling (June 2015)
Departs from Removed Section of Former Alignment North of 88.4	89.3	4,452	Lorain	Avoids passing within 660 feet of an active eagle nest and minimizes stream crossing impacts	Prefiling (June 2015)
88.5	88.5	834	Lorain	Reroute to improve crossing of existing pipeline	Data response (March 2016)
89.3	89.9	3,119	Lorain	Avoids a Class III wetland or a high scoring class II wetland and minimizes mature forest clearing	Prefiling (June 2015)
89.6	91.4	834	Lorain	Reroute to improve crossing of existing pipeline	Data response (March 2016)
90.1	91.4	6,915	Lorain	Avoids area of future development per landowner request	Application (November 2015)
90.3	91	3,463	Lorain	Minimizes crossings of existing pipeline	Prefiling (June 2015)
Departs from Removed Section of Former Alignment East of 90.9	Joined at Removed Section of Former Alignment North of 92.2	9,059	Lorain	Avoids a confluence of five existing pipelines and avoids Black Swamp Woods conservation easement and its constituent conservation site (maple-ash-oak swamp)	Prefiling (June 2015)
91.1	91.4	1,504	Lorain	Avoids passing within 660 feet of an active eagle nest	Prefiling (June 2015)
92.1	92.2	487	Lorain	Centerline adjusted to allow adequate workspace for HDD	Data response (March 2016)
92.6	92.8	1,185	Lorain	Reroute to improve crossing of existing pipeline	Data response (March 2016)
94.5	96.0	7,993	Lorain	Reroute to shift pipeline further from residences	Prefiling (June 2015)

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96.4	99.3	15,511	Lorain, Erie	Avoids crossing through a large section of an ODNR-mapped rare habitat (beech-sugar maple forest) and avoids a large area of forested wetland and upland. The variation will also reduce the crossing length through a conservation property owned by the Girl Scouts of America	Prefiling (June 2015)
96.4	106.3	49,330	Lorain, Erie, Huron	Avoids Boy and Girl Scout property, Western Reserve Land Conservancy and realigns HDD	Application (November 2015)
98.1	99.1	5,419	Lorain	Reroute across the Kipton Rock Quarry to co-locate with existing pipelines	Data response (March 2016)
99.2	99.4	1,245	Lorain	Reroute to avoid water well and natural ground spring	Data response (March 2016)
100.6	107.0	34,558	Erie	Variation shifts alignment further away from residences	Prefiling (June 2015)
109.0	110.3	5,839	Erie	Avoids two barns and avoids approximately 290 feet of crossing distance through a FEMA-mapped floodplain	Prefiling (June 2015)
110.3	111.2	4,564	Erie	Variation shifts alignment further away from residences	Prefiling (June 2015)
110.4	111.4	5,284	Erie	Avoids orchard and minimizes impacts to forested wetlands and forest	Application (November 2015)
111.9	112.3	1,919	Erie	Reroute to avoid Edison Woods Preserve	Data response (March 2016)
112.6	112.9	1,595	Erie	Eliminates a PI prior to the HDD crossing of the Huron River	Prefiling (June 2015)
113.1	113.5	2,113	Erie	Avoid overlap with existing utility easement	Data response (March 2016)
114.2	114.7	2,229	Erie	Avoids an active private shooting range	Prefiling (June 2015)
115.5	117.5	10,475	Erie	Variation avoids powerline and pond, and shifts alignment further from residence	Prefiling (June 2015)
115.8	116.0	780	Erie	Reroute to improve crossing of railroad	Data response (March 2016)
116.0	116.2	1,021	Erie	Avoid overlap with existing utility easement	Data response (March 2016)
116.4	116.5	804	Erie	Avoids a pond drainage system per landowner request	Application (November 2015)
116.7	117.4	3,636	Erie	Realigns HDD and shifts PI to improve constructability	Application (November 2015)
117.5	119.3	9,232	Erie	Colocates route on the south side of a powerline per county request	Application (November 2015)
119.2	120.3	5,292	Erie	Avoids future residential development per landowner request	Application (November 2015)
120.6	121.7	5,168	Erie	Moves further from a residence per landowner request	Application (November 2015)
125.8	126.5	3,227	Erie	Avoids a cultural site and Indiana bat habitat	Application (November 2015)
126.1	126.7	3,138	Erie	Variation avoids passing between two residences while paralleling an existing pipeline ROW	Prefiling (June 2015)
126.9	127.6	3,546	Erie	Variation parallels existing pipeline per landowner request	Application (November 2015)
127.1	129.0	9,749	Sandusky	Creates a right-angle crossing at I-90	Prefiling (June 2015)
127.8	128.3	2,689	Erie	Moves PI away from a stream and ditch and minimizes forest impacts	Application (November 2015)

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130.2	130.6	1,232	Erie	Reroute to improve crossing angle of existing pipeline	Data response (March 2016)
133.8	135.3	8,036	Sandusky	Avoids several wetland crossings and improves constructability of creek crossing	Application (November 2015)
134.5	135.0	2,462	Sandusky	Avoids a waste management facility (property has various test wells within its boundaries), avoids paralleling a large stream and minimizes wetland impacts	Prefiling (June 2015)
135.2	137.6	12,440	Sandusky	Reroute maintains proper offset from the First Energy easement	Application (November 2015)
136	137.4	7,561	Sandusky	Reroute to avoid sensitive resource	Data response (March 2016)
136.4	137.9	8,133	Sandusky	Variation avoids an existing bridge and shortens overall alignment	Prefiling (June 2015)
138.8	139.4	3,100	Sandusky	Avoids a forested area	Application (November 2015)
140.2	140.7	2,537	Sandusky	Avoids a forested wetland	Application (November 2015)
140.6	140.9	1,674	Sandusky	Reroute to improve crossing angle of existing pipeline	Data response (March 2016)
143.3	145.2	10,247	Sandusky	Variation removes a PI and shortens overall alignment	Prefiling (June 2015)
143.8	147.4	15,687	Sandusky	Reroute maintains proper offset from the First Energy easement	Application (November 2015)
145.4	146.4	6,141	Sandusky	Reroute to avoid a water well protection area	Data response (March 2016)
148.2	150.1	9,911	Sandusky	Avoids construction workspace in the vicinity of a stream	Application (November 2015)
148.8	149.7	4,709	Sandusky	Avoids Black Swamp Conservancy easement and avoids paralleling small stream for approximately 1,164 linear feet	Prefiling (June 2015)
150.1	150.8	3,822	Sandusky	Avoids Black Swamp Conservatory easement	Prefiling (June 2015)
150.9	152.3	7,069	Sandusky	Avoids Black Swamp Conservatory easement	Prefiling (June 2015)
151.2	151.3	576	Sandusky	Reroute to avoid overlap with existing utility easement	Data response (March 2016)
156.3	157.8	7,740	Sandusky	Avoids crossing over two existing pipelines and minimizes impacts on wetland	Prefiling (June 2015)
157.3	157.8	2,415	Sandusky	Avoids workspace encroachment onto landowner property	Application (November 2015)
160.3	160.5	1,065	Wood	Avoids an electric transmission line tower	Prefiling (June 2015)
161.6	161.9	1,377	Wood	Variation to cross railroad at a 90 degree angle	Prefiling (June 2015)
161.8	162.8	5,391	Sandusky	Rerouted to align with HDD crossing design	Data response (March 2016)
163.7	164.6	4,226	Wood	Avoids workspace encroachment onto landowner property and minimizes forest impacts	Application (November 2015)
166.7	167.0	1,450	Wood	Improves constructability at railroad crossing	Application (November 2015)
167.4	168.5	5,677	Wood	Reroute maintains proper offset from the easement of existing pipelines and reduces pipeline crossings	Application (November 2015)

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168.5	168.8	1,634	Wood	Reroute to avoid overlap with existing utility easement	Data response (March 2016)
171.4	171.8	2,284	Wood	Variation shifts alignment further from residences	Prefiling (June 2015)
173.9	175.5	7,967	Wood	Reduces powerline and road crossings and shifts alignment further from residences	Prefiling (June 2015)
175.2	176.7	7,411	Wood	Avoids traversing through an existing electrical substation and future development	Application (November 2015)
175.9	177.5	8,527	Wood, Lucas	Straighten the HDD under the Maumee River.	Prefiling (June 2015)
177.1	178.9	9,469	Wood	Reroute to avoid overlap with existing utility easement	Data response (March 2016)
178.0	179.6	8,330	Lucas	Provides right-angle crossings for Highway 24 and Hertzfeld Road reducing crossing distance	Prefiling (June 2015)
178.9	180.3	6,929	Wood	Variation improves constructability and reduces workspace necessary for HDD	Application (November 2015)
180.1	180.2	605	Wood	Adjusted to align with HDD crossing design	Data response (March 2016)
181.0	195.3	76,929	Lucas, Fulton	Variation avoids multiple OEPA Category III wetlands, road and pipeline crossings, and reroutes around the town of Swanton.	Prefiling (June 2015)
181.9	183.3	7,099	Lucas	Avoids landowner sewer lift station and plans for future development	Application (November 2015)
183.4	183.6	666	Lucas	Adjusted due to modifications at Compressor Station 4	Data response (March 2016)
183.5	184.2	3,650	Lucas	Avoids a PI in close proximity to a creek	Application (November 2015)
185.3	185.9	3,027	Lucas	Avoids forested wetland impacts	Application (November 2015)
187.7	187.9	1,221	Lucas	Avoids PIs under an existing high voltage powerline and minimizes tree clearing	Application (November 2015)
189.9	190.0	566	Henry	Avoids wetland impacts	Data response (March 2016)
190.3	191.3	5,660	Fulton	Minimizes forested impacts and avoids sensitive resource area	Data response (March 2016)
Departs from Removed Section of Former Alignment East of 191.9	Joined at Removed Section of Former Alignment East of 194.9	11,141	Fulton	Avoids residences, creates a right-angle crossing at roads and railroad, avoids electrical substation and avoids 944 linear feet of forested upland	Prefiling (June 2015)
192.1	192.5	2,592	Fulton	Avoids workspace in close proximity to a culvert at Route 3	Application (November 2015)
193.9	200.7	39,179	Fulton	Avoids high density residential development and several Category III wetlands	Application (November 2015)
196.2	196.4	1,318	Fulton	Variation avoids crossing through a residence	Prefiling (June 2015)
196.2	196.4	985	Fulton	Variation moves alignment further from residence	Prefiling (June 2015)

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200.6	Joined at Removed Section of Former Alignment East of 201.4	4,487	Fulton	Variation removes two powerline crossings and multiple PIs; shortens overall alignment	Prefiling (June 2015)
Departs from Removed Section of Former Alignment East of 201.4	Joined at Removed Section of Former Alignment East of 202.4	5,353	Fulton	Variation avoids the Metamora Water Facility and two likely TRO land tracts	Prefiling (June 2015)
201.5	201.8	1,468	Fulton	Variation adjusts crossing angle of a powerline	Application (November 2015)
202.4	203.1	4,031	Fulton, OH Lenawee, MI	Avoids powerline crossings and removes a PI	Prefiling (June 2015)
202.7	204.9	11,665	Fulton	Avoids overlap with existing utility easement	Data response (March 2016)
204.4	206.0	8,448	Fulton	Variation avoids residential structure and accommodates workspace for Route 20 bore crossing	Application (November 2015)
208.8	210.1	6,737	Lenawee	Reduces forest clearing adjacent to the Raisin River	Prefiling (June 2015)
209.7	210.4	3,761	Lenawee	Variation allows for crossing of East Mulberry Road and railroad in single bore crossing	Application (November 2015)
209.7	211.1	7,789	Lenawee	Removes PIs and reduces length of the alignment	Prefiling (June 2015)
211.4	211.6	1,083	Lenawee	Avoids a residence	Prefiling (June 2015)
214.6	216.4	9,208	Lenawee	Variation improves constructability of River Raisin HDD	Application (November 2015)
215.6	219.3	19,361	Lenawee	Avoids crossing existing utilities and collocates with existing pipelines	Prefiling (June 2015)
216.8	219.0	11,676	Lenawee	Variation increases distance from residential structures and minimizes forest impacts	Application (November 2015)
219.0	220.1	5,298	Lenawee	Adjusted to eliminate PI	Data response (March 2016)
224.9	226.7	9,346	Lenawee	Minimizes impacts to forested bat habitat	Application (November 2015)
227.3	229.1	8,604	Monroe	Variation crosses railroad at 90° angle and avoids crossing existing pipelines	Prefiling (June 2015)
228.8	229.3	3,150	Lenawee	Reroute to maintain offset from existing pipelines	Data response (March 2016)
231.1	231.2	654	Monroe	Maintain offset from existing utilities	Data response (March 2016)
231.2	232.6	6,784	Washtenaw	Reduces forest clearing adjacent to the Saline River	Prefiling (June 2015)
233.9	236.6	13,961	Monroe	Reroute to avoid sensitive resource areas and maintain offset from existing pipelines	Data response (March 2016)

APPENDIX F

NGT Project Incorporated Route Variations

Start MP	End MP	Length of Variation (Feet)	County (or Counties)	Supporting Reason(s) for Variation	Date Reported
234.5	235.1	3,401	Monroe	Variation increases distance from residential structures and accommodates necessary workspace for Mead Road crossing	Application (November 2015)
235.3	236.6	6,468	Monroe	Variation increases constructability over two existing TransCanada pipelines	Application (November 2015)
235.8	236.0	1,067	Washtenaw	Avoids crossing through a residence and a garage	Prefiling (June 2015)
238.2	238.5	1,640	Washtenaw	Variation increases collocation and minimizes foreign pipeline crossings	Application (November 2015)
238.9	239.7	3,821	Washtenaw	Avoids crossing in close proximity to a pond, minimizes wetland impacts and improves constructability of bore	Application (November 2015)
241.0	243.0	13,086	Washtenaw	Avoids residences and waterbodies; avoids street lay adjacent to a school, church, cemetery and several neighborhoods	Prefiling (June 2015)
241.5	242.5	4,643	Washtenaw	Avoids residential structures	Application (November 2015)
243.4	Joined at Removed Section of Former Alignment West of 244.6	6,171	Washtenaw	Avoids street lay constraints associated with existing underground utilities	Prefiling (June 2015)
243.8	245.0	7,141	Washtenaw	Reduces the number of PIs and increases distance from residential structures	Application (November 2015)
244.6	245.6	3,850	Washtenaw	Variation to former alignment and HDD location across the Maumee River to avoid parkland, river crossing, HVAC lines, existing pipelines, water mains, water towers, a dam, and nearby roads.	Prefiling (June 2015)
245.6	246.9	6,093	Washtenaw	Variation minimizes impacts to forested wetlands	Application (November 2015)
246.1	246.2	590	Washtenaw	Minor alteration to avoid existing salvage yard.	Prefiling (June 2015)
249.2	251.4	11,622	Washtenaw	Avoid existing underground utilities	Application (November 2015)
251.1	251.2	662	Washtenaw	Shift to account for HDD exit location	Data response (March 2016)
252.1	252.3	870	Washtenaw	Avoids a high voltage powerline and substation	Application (November 2015)
252.4	255.1	13,226	Washtenaw, Wayne	Avoids existing underground utilities and improves constructability	Application (November 2015)
253.3	255.1	9,654	Washtenaw, Wayne	Reroute per landowner request	Data response (March 2016)

APPENDIX G

GEOLOGY TABLES

G-1: BEDROCK GEOLOGY OF THE NGT AND TEAL PROJECTS
G-2: OIL AND GAS WELLS WITHIN 0.25 MILE OF THE NGT AND TEAL PROJECTS

APPENDIX G-1

BEDROCK GEOLOGY OF THE NGT AND TEAL PROJECTS

APPENDIX G-1

Bedrock Geology of the NGT and TEAL Projects

Project, State, Component	Milepost	Unit Age	Lithology 1	Lithology 2
NGT PROJECT				
Ohio				
TGP Interconnect Pipeline	0 - 0.9	Pennsylvanian	Siltstone	Shale
Mainline	0 - 1.9	Pennsylvanian	Siltstone	Shale
	1.9 - 2.3	Pennsylvanian	Shale	Siltstone
	2.3 - 4.7	Pennsylvanian	Siltstone	Shale
	4.7 - 5.3	Pennsylvanian	Shale	Siltstone
	5.3 - 5.5	Pennsylvanian	Siltstone	Shale
	5.5 - 5.7	Pennsylvanian	Shale	Siltstone
	5.7 - 6.4	Pennsylvanian	Siltstone	Shale
	6.4 - 6.5	Pennsylvanian	Shale	Siltstone
	6.5 - 7.4	Pennsylvanian	Siltstone	Shale
	7.4 - 7.7	Pennsylvanian	Shale	Siltstone
	7.7 - 8.0	Pennsylvanian	Siltstone	Shale
	8.0 - 8.3	Pennsylvanian	Shale	Siltstone
	8.3 - 9.6	Pennsylvanian	Siltstone	Shale
	9.6 - 12.0	Pennsylvanian	Shale	Siltstone
	12.0 - 12.2	Pennsylvanian	Siltstone	Shale
	12.2 - 12.5	Pennsylvanian	Shale	Siltstone
	12.5 - 13.1	Pennsylvanian	Siltstone	Shale
	13.1 - 34.2	Pennsylvanian	Shale	Siltstone
	34.2 - 39.6	Pennsylvanian	Shale	Siltstone
	39.6 - 39.7	Mississippian	Shale	Siltstone
	39.7 - 40.7	Pennsylvanian	Shale	Siltstone
	40.7 - 41.3	Mississippian	Shale	Siltstone
	41.3 - 45.3	Pennsylvanian	Shale	Siltstone
	45.3 - 45.5	Mississippian	Shale	Siltstone
	45.5 - 47.9	Pennsylvanian	Shale	Siltstone
	47.9 - 48.3	Mississippian	Shale	Siltstone
	48.3 - 48.9	Pennsylvanian	Shale	Siltstone
	48.9 - 49.2	Mississippian	Shale	Siltstone
	49.2 - 50.4	Pennsylvanian	Shale	Siltstone
	50.4 - 51.5	Pennsylvanian	Shale	Siltstone
	51.5 - 52.0	Mississippian	Shale	Siltstone
	52.0 - 52.2	Pennsylvanian	Shale	Siltstone
	52.2 - 52.4	Mississippian	Shale	Siltstone

APPENDIX G-1 (cont'd)

Bedrock Geology of the NGT and TEAL Projects

Project, State, Component	Milepost	Unit Age	Lithology 1	Lithology 2
Mainline (cont'd)	52.4 - 54.9	Pennsylvanian	Shale	Siltstone
	54.9 - 55.6	Mississippian	Shale	Siltstone
	55.6 - 56.0	Pennsylvanian	Shale	Siltstone
	56.0 - 56.5	Pennsylvanian	Shale	Siltstone
	56.6 - 57.2	Mississippian	Shale	Siltstone
	57.2 - 57.7	Mississippian	Shale	Siltstone
	57.7 - 59.5	Mississippian	Shale	Siltstone
	59.5 - 59.8	Pennsylvanian	Shale	Siltstone
	59.8 - 60.1	Mississippian	Shale	Siltstone
	60.1 - 60.5	Pennsylvanian	Shale	Siltstone
	60.5 - 61.8	Mississippian	Shale	Siltstone
	61.8 - 64.6	Pennsylvanian	Shale	Siltstone
	64.6 - 80.5	Mississippian	Shale	Siltstone
	80.5 - 89.8	Mississippian	Shale	Siltstone
	89.8 - 91.0	Devonian	Sandstone	Shale
	91.0 - 91.6	Mississippian	Shale	Siltstone
	91.6 - 95.3	Devonian	Sandstone	Shale
	95.3 - 96.1	Mississippian	Shale	Siltstone
	96.1 - 100.3	Devonian	Sandstone	Shale
	100.3 - 100.7	Devonian	Black shale	Shale
	100.7 - 101.3	Devonian	Sandstone	Shale
	101.3 - 104.7	Devonian	Sandstone	Shale
	104.7 - 109.8	Devonian	Sandstone	Shale
	109.8 - 110.1	Devonian	Black shale	Shale
	110.1 - 112.1	Devonian	Sandstone	Shale
	112.1 - 124.2	Devonian	Black shale	Shale
	124.2 - 125.0	Devonian	Limestone	Dolostone (dolomite)
	125.0 - 125.6	Devonian	Shale	Limestone
	125.6 - 126.1	Devonian	Limestone	N/A
	126.1 - 126.5	Devonian	Shale	Limestone
	126.5 - 128.8	Devonian	Limestone	N/A
	128.8 - 131.5	Devonian	Limestone	Dolostone (dolomite)
	131.5 - 132.1	Devonian	Limestone	Dolostone (dolomite)
	132.1 - 140.1	Silurian	Dolostone (dolomite)	Shale
	140.1 - 148.2	Silurian	Dolostone (dolomite)	Shale
	148.2 - 150.2	Silurian	Dolostone (dolomite)	N/A
	150.2 - 151.2	Silurian	Dolostone (dolomite)	Shale

APPENDIX G-1 (cont'd)

Bedrock Geology of the NGT and TEAL Projects

Project, State, Component	Milepost	Unit Age	Lithology 1	Lithology 2
Mainline (cont'd)	151.2 - 163.4	Silurian	Dolostone (dolomite)	N/A
	163.4 - 163.6	Silurian	Dolostone (dolomite)	Shale
	163.6 - 163.7	Silurian	Dolostone (dolomite)	N/A
	163.7 - 168.7	Silurian	Dolostone (dolomite)	N/A
	168.7 - 170.5	Silurian	Dolostone (dolomite)	Shale
	170.5 - 173.0	Silurian	Dolostone (dolomite)	N/A
	173.0 - 174.1	Silurian	Dolostone (dolomite)	Shale
	174.1 - 178.1	Silurian	Dolostone (dolomite)	N/A
	178.1 - 180.8	Silurian	Dolostone (dolomite)	Shale
	180.8 - 181.5	Silurian	Dolostone (dolomite)	Shale
	181.5 - 182.5	Silurian	Dolostone (dolomite)	Shale
	182.5 - 186.2	Devonian	Dolostone (dolomite)	Evaporite
	186.2 - 187.2	Devonian	Limestone	Dolostone (dolomite)
	187.2 - 187.8	Devonian	Dolostone (dolomite)	Evaporite
	187.8 - 188.5	Devonian	Limestone	Dolostone (dolomite)
	188.5 - 189.3	Devonian	Dolostone (dolomite)	Shale
	189.3 - 190.2	Devonian	Dolostone (dolomite)	Shale
	190.2 - 203.2	Devonian	Shale	Black shale
	203.2 - 208.3	Devonian and/or Mississippian	Shale	Black shale
Hanoverton Compressor Station (CS-1)	1.4	Pennsylvanian	Siltstone	Shale
Wadsworth Compressor Station (CS-2)	63.5	Pennsylvanian	Shale	Siltstone
Clyde Compressor Station (CS-3)	134.0	Silurian	Dolostone (dolomite)	Shale
Waterville Compressor Station (CS-4)	183.5	Devonian	Dolostone (dolomite)	Evaporite
Michigan				
Mainline	208.3 - 210.5	Late Devonian	Shale	Sandstone
	210.5 - 211.8	Late Devonian	Sandstone	Siltstone
	211.8 - 212.8	Mississippian-Devonian	Black shale	N/A
	212.8 - 217.1	Mississippian	Shale	Limestone
	217.1 - 217.6	Mississippian-Devonian	Black shale	N/A
	217.6 - 220.4	Mississippian	Shale	Limestone
	220.4 - 221.2	Mississippian-Devonian	Black shale	N/A
	221.2 - 224.5	Late Devonian	Sandstone	Siltstone
	224.5 - 225.7	Late Devonian	Shale	Sandstone
	225.7 - 227.2	Late Devonian	Black shale	Limestone
	227.2 - 230.4	Middle Devonian	Limestone	Shale
	230.4 - 230.9	Middle Devonian	Limestone	Shale
	230.9 - 233.8	Middle Devonian	Limestone	Dolostone (dolomite)
	233.8 - 235.7	Middle Devonian	Limestone	Shale

APPENDIX G-1 (cont'd)

Bedrock Geology of the NGT and TEAL Projects

Project, State, Component	Milepost	Unit Age	Lithology 1	Lithology 2
Mainline (cont'd)	235.7 - 235.9	Middle Devonian	Limestone	Dolostone (dolomite)
	235.9 - 236.8	Middle Devonian	Limestone	Shale
	236.8 - 247.7	Middle Devonian	Limestone	Shale
	247.7 - 255.0	Late Devonian	Black shale	Limestone
TEAL PROJECT				
Ohio				
Pipeline Loop	0.0 - 4.4 [a]	Permian and/or Pennsylvanian	Mudstone	Shale
Connecting Pipeline	0.0 - 0.3 [a]	Pennsylvania	Siltstone	Shale
Salineville Compressor Station	5.9 [a]	Pennsylvanian	Siltstone	Shale
Colerain Compressor Station	49.9 [a]	Permian and/or Pennsylvanian	Mudstone	Shale

a Line 73 Pipeline milepost designations are used.

Sources: USGS, 2004. Michigan geologic map data. USGS, GIS datalayer. https://mrdata.usgs.gov/geology/state/state.php?state=MI
USGS, 2005. Ohio geologic map data. USGS, GIS datalayer. https://mrdata.usgs.gov/geology/state/state.php?state=OH

APPENDIX G-2

OIL AND GAS WELLS WITHIN 0.25 MILE OF THE NGT AND TEAL PROJECTS

APPENDIX G-2

Oil and Gas Wells within 0.25 mile of the NGT and TEAL Projects

Project, Well Status, State, Component	Milepost (mile)	Distance to Project (feet)
NGT PROJECT		
Active Wells		
Ohio		
Mainline	0.0	201
	0.0	1211
	0.3	60
	1.9	561
	2.0	440
	2.3	49
	2.7	110
	3.5	850
	3.6	1228
	4.2	449
	4.2	7
	4.3	968
	4.4	407
	4.5	79
	4.6	972
	4.8	38
	4.9	1041
	5.0	197
	5.1	553
	5.3	364
	5.5	751
	5.7	197
	5.8	1148
	6.0	1151
	6.0	904
	6.0	240
	6.0	380
	6.1	179
	6.2	953
	6.4	963
	6.5	134
	6.5	834
	6.6	1222
	6.7	141
	6.7	143
	6.9	1100
	6.9	449
	7.3	449
	7.3	100
	7.4	292
	7.5	438
	7.5	1
	7.5	68
	7.5	487
	7.6	86
	7.6	343
	7.6	594
	7.6	615
	7.6	656

APPENDIX G-2 (cont'd)

Oil and Gas Wells within 0.25 mile of the NGT and TEAL Projects

Project, Well Status, State, Component	Milepost (mile)	Distance to Project (feet)
Mainline (cont'd)	7.6	769
	7.6	796
	7.6	808
	7.6	897
	7.6	1077
	7.7	1283
	7.8	707
	7.8	929
	7.8	41
	8.0	942
	8.1	502
	8.3	42
	8.4	1019
	8.5	0
	8.6	784
	8.8	658
	9.0	132
	9.1	355
	9.2	849
	9.4	1096
	9.6	159
	9.7	1035
	9.7	1007
	9.9	63
	10.0	1140
	10.2	650
	10.3	1318
	10.3	1113
	10.3	760
	10.3	619
	10.3	1083
	10.3	300
	10.3	21
	10.4	1003
	10.4	950
	10.4	870
	10.4	1141
	10.5	1044
	10.5	1220
	10.5	1188
	10.5	545
	10.6	292
	10.6	269
	10.6	0
	10.8	487
	10.9	1104
	10.9	649
	11.1	1061
	11.1	1219
	11.1	974
	11.1	1307
	11.5	300
	11.9	103
	12.2	1010

APPENDIX G-2 (cont'd)

Oil and Gas Wells within 0.25 mile of the NGT and TEAL Projects

Project, Well Status, State, Component	Milepost (mile)	Distance to Project (feet)
Mainline (cont'd)	12.3	174
	12.8	526
	12.8	642
	13.4	32
	13.7	1148
	14.0	132
	14.9	1259
	15.0	156
	15.4	594
	15.5	35
	15.7	676
	16.0	634
	16.1	365
	16.4	462
	16.5	683
	16.7	1214
	16.7	93
	17.3	1244
	17.4	41
	17.6	1296
	17.9	758
	18.8	896
	19.1	288
	19.2	1024
	19.7	600
	19.7	544
	20.0	328
	20.2	860
	20.6	351
	21.5	460
	21.8	978
	21.8	133
	22.0	392
	22.2	309
	22.2	1025
	22.3	903
	22.4	106
	22.5	876
	22.5	1041
	22.6	508
	22.9	840
	22.9	355
	22.9	638
	23.1	58
	23.1	332
	23.2	635
	23.4	443
	23.4	950
	23.6	693
	23.6	313
	23.9	682
	24.1	418
	24.1	421
	24.1	725

APPENDIX G-2 (cont'd)

Oil and Gas Wells within 0.25 mile of the NGT and TEAL Projects

Project, Well Status, State, Component	Milepost (mile)	Distance to Project (feet)
Mainline (cont'd)	24.3	896
	24.4	431
	24.5	231
	24.6	860
	24.6	412
	24.8	774
	24.9	327
	24.9	1087
	25.1	556
	25.1	461
	25.2	1149
	25.4	975
	25.4	33
	25.6	325
	25.7	285
	25.7	207
	25.7	776
	25.9	645
	26.1	670
	26.2	41
	26.3	1191
	26.4	872
	26.5	58
	26.6	1204
	26.6	1284
	26.7	113
	26.8	1139
	27.0	404
	27.1	719
	27.3	1143
	27.3	56
	27.5	653
	28.0	377
	28.2	511
	28.5	938
	28.6	191
	28.9	375
	29.4	452
	30.1	136
	30.5	232
	30.7	331
	31.3	867
	31.9	608
	32.2	354
	32.5	123
	33.0	1248
	33.1	87
	33.7	1145
	33.8	78
	34.4	286
	34.7	970
	34.9	138
	35.2	121
	35.2	1194

APPENDIX G-2 (cont'd)

Oil and Gas Wells within 0.25 mile of the NGT and TEAL Projects

Project, Well Status, State, Component	Milepost (mile)	Distance to Project (feet)
Mainline (cont'd)	35.2	1079
	35.5	322
	35.8	625
	36.3	66
	36.7	331
	36.9	447
	37.2	250
	41.8	1116
	45.1	755
	45.1	26
	45.4	63
	45.6	833
	46.3	133
	47.9	228
	48.3	58
	48.5	825
	48.6	0
	48.7	1275
	48.7	676
	49.0	519
	49.2	1062
	49.3	32
	49.3	976
	50.0	378
	50.1	1248
	50.2	546
	50.6	835
	50.8	98
	51.0	879
	51.5	654
	51.6	675
	52.4	326
	52.7	1076
	52.8	300
	54.5	636
	54.8	985
	55.2	94
	55.5	343
	56.2	0
	56.7	174
	56.9	80
	57.1	775
	57.3	1102
	57.9	2
	58.2	1258
	58.4	1170
	58.6	135
	58.8	94
	59.0	956
	59.1	1281
	59.5	882
	59.6	113
	60.0	368
	60.2	86

APPENDIX G-2 (cont'd)

Oil and Gas Wells within 0.25 mile of the NGT and TEAL Projects

Project, Well Status, State, Component	Milepost (mile)	Distance to Project (feet)
Mainline (cont'd)	60.3	132
	60.3	1090
	60.7	91
	60.8	1136
	61.1	653
	61.2	560
	61.4	265
	61.4	1161
	61.6	66
	61.7	1115
	61.7	957
	61.8	388
	62.1	747
	62.4	11
	62.9	493
	63.1	119
	63.3	727
	63.8	393
	64.0	133
	64.3	0
	64.3	1016
	64.6	5
	64.7	1089
	65.0	485
	65.3	175
	65.4	772
	65.9	89
	66.5	89
	66.6	784
	67.0	1013
	67.1	113
	67.2	86
	67.4	373
	67.5	343
	67.8	171
	67.9	997
	68.1	24
	68.3	876
	68.9	1309
	69.5	1066
	69.8	118
	69.9	404
	70.0	755
	70.3	6
	70.4	494
	70.5	405
	70.7	0
	71.0	382
	71.2	1010
	71.4	1257
	72.0	589
	75.4	57
	77.8	237
	77.8	423

APPENDIX G-2 (cont'd)

Oil and Gas Wells within 0.25 mile of the NGT and TEAL Projects

Project, Well Status, State, Component	Milepost (mile)	Distance to Project (feet)
Mainline (cont'd)	77.9	13
	78.9	421
	79.8	995
	82.6	1002
	82.9	920
	83.6	1079
	84.5	1222
	85.9	389
	87.2	655
	88.3	1061
	89.9	166
	90.0	1296
	90.1	613
	90.2	553
	90.7	0
	91.1	1147
	91.8	490
	92.3	215
	93.3	765
	93.5	301
	94.5	1104
	94.7	126
	95.6	194
	101.2	793
	101.2	1253
	102.3	1115
	163.6	1082
	163.8	26
	163.8	167
	163.9	355
	163.9	147
	164.0	826
	164.0	492
	164.0	187
	164.0	540
	164.0	782
	164.1	1229
	164.1	693
	164.1	91
	164.2	0
	164.3	0
	164.3	420
	164.4	440
	164.5	233
	164.5	652
	164.5	944
	164.5	777
	164.6	1040
	164.6	919
	164.6	1165
	164.6	248
	164.7	858
	164.7	667
	164.7	207

APPENDIX G-2 (cont'd)

Oil and Gas Wells within 0.25 mile of the NGT and TEAL Projects

Project, Well Status, State, Component	Milepost (mile)	Distance to Project (feet)
Mainline (cont'd)	164.8	1207
	164.8	361
	164.8	1190
	164.8	83
	164.8	499
	164.8	951
	164.9	350
	164.9	1046
	164.9	665
	164.9	272
	165.0	78
	165.0	1070
	165.1	883
	165.1	588
	165.1	560
	165.2	623
	165.2	449
	165.9	1072
	167.1	1102
	167.1	496
	167.1	957
	167.2	184
	167.2	235
	167.3	426
	167.3	1274
	167.3	434
	167.4	250
	167.5	1038
	167.5	1135
	167.5	1302
	167.5	1202
	172.8	61
	172.8	337
	172.8	1300
	172.8	1025
	172.8	1279
	173.0	1197
	173.3	1077
Michigan		
Mainline	230.3	4
	254.8	13
Wadsworth Compressor Station (CS-2)	63.5	1099
	63.5	0
	63.5	1237
	63.5	0
	63.5	739
Clyde Compressor Station (CS-3)	134.0	699
Inactive or Abandoned		
Ohio		
TGP Interconnect	0.0	491
	0.4	400
	0.7	0
Mainline	0.4	624
	0.4	1015

APPENDIX G-2 (cont'd)

Oil and Gas Wells within 0.25 mile of the NGT and TEAL Projects

Project, Well Status, State, Component	Milepost (mile)	Distance to Project (feet)
Mainline (cont'd)	1.3	332
	1.9	579
	2.5	1216
	2.6	1111
	3.0	164
	4.0	1227
	4.1	216
	4.1	0
	5.0	0
	5.4	494
	5.5	676
	5.8	309
	5.9	1148
	6.1	816
	6.4	1054
	6.8	309
	7.1	920
	7.1	729
	7.1	858
	7.3	291
	7.4	374
	7.4	30
	7.4	423
	7.5	270
	7.5	139
	7.6	1299
	7.6	1030
	7.6	1079
	7.7	634
	7.8	888
	7.8	651
	7.8	581
	7.8	370
	7.8	704
	8.1	316
	8.1	0
	9.0	141
	9.1	606
	9.1	1309
	9.2	381
	9.2	1307
	9.3	597
	9.3	0
	9.4	1040
	9.4	749
	9.5	1123
	9.6	0
	9.6	928
	9.7	1229
	9.7	1194
	9.8	1301
	9.8	36
	10.1	113
	10.2	0

APPENDIX G-2 (cont'd)

Oil and Gas Wells within 0.25 mile of the NGT and TEAL Projects

Project, Well Status, State, Component	Milepost (mile)	Distance to Project (feet)
Mainline (cont'd)	10.3	1072
	10.3	901
	10.3	861
	10.4	1128
	10.4	529
	10.5	1099
	10.5	866
	10.5	993
	10.5	844
	10.5	341
	10.6	800
	10.6	1210
	10.6	591
	10.6	710
	10.7	0
	10.8	882
	10.8	95
	10.8	788
	11.1	1016
	11.2	1068
	11.2	418
	11.5	131
	11.5	436
	11.6	164
	11.6	367
	11.7	466
	11.7	394
	11.7	0
	11.7	828
	11.8	576
	11.8	177
	11.8	578
	11.8	860
	11.8	1077
	11.9	0
	11.9	879
	11.9	579
	11.9	251
	11.9	1084
	11.9	409
	11.9	905
	11.9	156
	11.9	1273
	12.0	1294
	12.0	742
	12.3	1187
	12.3	1212
	12.5	1014
	12.5	1122
	13.0	159
	13.9	352
	14.1	358
	14.5	260
	14.7	1294

APPENDIX G-2 (cont'd)

Oil and Gas Wells within 0.25 mile of the NGT and TEAL Projects

Project, Well Status, State, Component	Milepost (mile)	Distance to Project (feet)
Mainline (cont'd)	16.0	1035
	16.9	1257
	17.7	674
	21.8	68
	22.9	614
	23.1	264
	23.6	660
	23.9	554
	23.9	554
	23.9	775
	24.3	1317
	24.5	523
	24.7	1266
	25.4	148
	26.0	527
	27.5	554
	27.7	294
	27.8	782
	28.8	866
	29.1	750
	29.2	185
	29.3	227
	29.3	1175
	29.6	798
	29.6	1012
	29.7	434
	30.4	969
	30.8	809
	31.2	1172
	31.2	867
	31.2	923
	31.5	258
	31.7	149
	31.8	647
	31.9	1170
	32.0	40
	32.8	737
	33.4	533
	33.5	994
	33.5	943
	35.1	1304
	35.8	339
	35.8	758
	35.9	641
	36.0	1240
	36.1	915
	36.6	114
	36.9	629
	38.2	67
	39.0	1189
	39.0	715
	40.7	871
	40.7	45
	40.8	787

APPENDIX G-2 (cont'd)

Oil and Gas Wells within 0.25 mile of the NGT and TEAL Projects

Project, Well Status, State, Component	Milepost (mile)	Distance to Project (feet)
Mainline (cont'd)	40.9	244
	40.9	795
	41.3	581
	41.4	0
	41.9	835
	42.0	242
	42.1	1309
	42.4	169
	42.6	1023
	42.6	213
	42.8	42
	42.9	1128
	42.9	887
	43.1	447
	43.2	634
	43.2	795
	43.3	456
	43.4	413
	43.5	521
	43.6	842
	43.7	1283
	43.8	369
	43.8	599
	44.0	25
	44.2	932
	44.2	587
	44.3	379
	44.3	964
	44.4	66
	44.5	824
	44.6	458
	44.8	427
	44.8	0
	45.1	690
	45.1	55
	45.1	803
	45.2	237
	45.2	736
	45.3	635
	45.3	973
	45.4	514
	45.4	504
	45.4	1178
	45.4	205
	45.5	821
	45.5	411
	45.6	457
	46.2	1138
	46.8	524
	47.0	956
	47.8	151
	48.2	867
	48.3	1122
	48.9	882

APPENDIX G-2 (cont'd)

Oil and Gas Wells within 0.25 mile of the NGT and TEAL Projects

Project, Well Status, State, Component	Milepost (mile)	Distance to Project (feet)
Mainline (cont'd)	48.9	33
	49.0	535
	49.0	657
	49.3	53
	50.1	153
	51.3	1202
	51.4	571
	51.7	310
	51.8	692
	51.8	673
	51.9	19
	52.0	887
	52.1	942
	52.1	1019
	52.2	544
	52.5	448
	52.6	335
	52.6	392
	52.8	268
	53.1	1066
	53.1	1066
	53.7	555
	53.8	403
	54.0	999
	54.2	142
	54.5	201
	54.7	989
	54.8	107
	55.1	151
	55.1	1275
	55.3	728
	55.5	862
	55.8	70
	55.8	1235
	55.8	319
	55.9	1094
	56.2	10
	56.3	631
	56.7	20
	56.8	500
	56.9	1041
	57.0	0
	57.5	723
	57.7	120
	58.0	1164
	58.1	555
	58.3	486
	58.3	533
	58.3	436
	58.7	1146
	58.9	1208
	59.0	1063
	59.0	271
	59.0	304

APPENDIX G-2 (cont'd)

Oil and Gas Wells within 0.25 mile of the NGT and TEAL Projects

Project, Well Status, State, Component	Milepost (mile)	Distance to Project (feet)
Mainline (cont'd)	59.1	408
	59.2	379
	59.2	579
	59.8	489
	60.3	172
	60.6	1139
	61.2	1026
	61.9	432
	62.0	1189
	62.5	547
	62.7	775
	63.2	1079
	63.2	1111
	65.0	1044
	66.2	131
	66.6	272
	67.5	568
	68.2	996
	69.0	1057
	69.1	458
	69.2	67
	69.2	1212
	69.5	1220
	69.5	1264
	69.5	1188
	69.6	852
	70.1	384
	70.2	453
	70.5	93
	70.5	355
	70.5	827
	70.9	1112
	71.1	703
	71.2	1126
	71.2	197
	71.7	409
	71.9	645
	71.9	0
	72.0	696
	72.2	53
	72.5	1239
	72.9	734
	73.1	311
	73.1	986
	73.1	458
	73.2	103
	73.2	956
	73.3	507
	73.4	412
	73.5	334
	73.6	730
	73.7	224
	73.7	1264
	73.8	348

APPENDIX G-2 (cont'd)

Oil and Gas Wells within 0.25 mile of the NGT and TEAL Projects

Project, Well Status, State, Component	Milepost (mile)	Distance to Project (feet)
Mainline (cont'd)	73.9	1015
	74.0	512
	74.0	523
	74.0	661
	74.6	325
	74.9	1254
	74.9	150
	74.9	0
	75.1	226
	75.1	879
	75.1	336
	75.1	36
	75.3	310
	75.3	285
	75.3	898
	75.4	0
	75.5	1003
	75.5	346
	75.6	587
	75.7	298
	75.8	434
	75.8	710
	75.8	1111
	75.8	618
	75.8	992
	75.9	763
	75.9	109
	76.0	963
	76.0	112
	76.1	529
	76.2	1186
	76.2	292
	76.2	155
	76.2	439
	76.4	856
	77.1	450
	77.8	703
	77.8	63
	77.8	583
	77.8	580
	77.9	584
	79.1	77
	80.8	992
	81.4	1067
	81.9	116
	83.0	328
	83.8	1248
	84.4	76
	84.4	310
	84.5	161
	84.5	402
	84.5	1042
	84.5	988
	84.5	1134

APPENDIX G-2 (cont'd)

Oil and Gas Wells within 0.25 mile of the NGT and TEAL Projects

Project, Well Status, State, Component	Milepost (mile)	Distance to Project (feet)
Mainline (cont'd)	84.5	785
	84.5	861
	84.5	619
	84.5	696
	84.5	443
	84.5	548
	84.5	284
	85.2	625
	85.7	252
	85.8	489
	86.0	763
	86.1	108
	86.2	812
	87.3	805
	87.4	604
	87.9	389
	88.9	1286
	89.9	827
	91.2	282
	91.3	529
	91.4	0
	92.0	886
	92.2	976
	92.3	798
	93.0	1171
	95.4	1065
	95.5	12
	95.5	1174
	95.5	221
	101.0	954
	101.2	1016
	101.2	173
	101.2	332
	101.4	656
	101.7	91
	101.8	1243
	104.0	1259
	104.0	156
	104.2	962
	104.7	572
	105.1	396
	105.2	1290
	105.6	1025
	105.6	57
	106.0	839
	106.4	1113
	106.7	988
	106.8	950
	107.0	652
	107.2	623
	107.5	1151
	107.7	358
	108.4	1294
	108.8	786

APPENDIX G-2 (cont'd)

Oil and Gas Wells within 0.25 mile of the NGT and TEAL Projects

Project, Well Status, State, Component	Milepost (mile)	Distance to Project (feet)
Mainline (cont'd)	126.5	212
	135.1	859
	135.5	816
	138.8	744
	139.0	524
	139.6	790
	139.9	515
	153.5	608
	156.1	764
	156.2	765
	164.2	608
	164.6	1237
	164.7	671
	165.1	953
	165.3	122
	166.1	1273
	167.2	166
	167.5	451
	167.5	925
	167.5	828
	173.2	1006
	173.3	969
	173.4	1047
	174.6	973
	174.7	860
	174.9	0
	174.9	480
	175.0	464
	175.0	80
	175.0	95
	194.9	374
Michigan		
Mainline	218.5	1241
	230.3	4
	230.3	254
	230.4	900
	230.4	370
	231.5	733
	231.8	146
	250.9	791
	254.8	247
Hanoverton Compressor Station (CS-1)	1.4	1000
Wadsworth Compressor Station (CS-2)	63.5	516
	63.5	1000
TEAL PROJECT		
Active or Inactive Wells		
Ohio		
Pipeline Loop	0.3	1212
	0.6	1199
	1.5	1031
	1.7	192
	3.3	1250
Connecting Pipeline	0.0 - 0.3 [a]	768
Colerain Compressor Station	49.9 [a]	106

APPENDIX G-2 (cont'd)

Oil and Gas Wells within 0.25 mile of the NGT and TEAL Projects

Project, Well Status, State, Component	Milepost (mile)	Distance to Project (feet)
Colerain Compressor Station (cont'd)	49.9 [a]	400
	49.9 [a]	610
	49.9 [a]	987
	49.9 [a]	569
	49.9 [a]	849
	49.9 [a]	779
	49.9 [a]	311
	49.9 [a]	1221
	49.9 [a]	271
	49.9 [a]	865
	49.9 [a]	630
	49.9 [a]	7
	49.9 [a]	321
	49.9 [a]	1071
	49.9 [a]	547
	49.9 [a]	950
	49.9 [a]	769
Line 73 Receiver Site	N/A [b]	1125
Line 73 Regulator	N/A [b]	1029

a Line 73 Pipeline milepost designations are used.

b N/A means milepost information is not applicable for these TEAL components.

Sources: USGS, 2004. Michigan geologic map data. USGS, GIS datalayer. https://mrdata.usgs.gov/geology/state/state.php?state=MI

USGS, 2005. Ohio geologic map data. USGS, GIS datalayer: https://mrdata.usgs.gov/geology/state/state.php?state=OH

N/A = not applicable

APPENDIX H

WATER RESOURCES TABLES

APPENDIX H-1

WATER SUPPLY WELLS AND SPRINGS WITHIN 150 FEET OF THE NGT AND TEAL PROJECTS

APPENDIX H-1

Water Supply Wells and Springs within 150 Feet of the NGT and TEAL Projects

Segment	County, State	Supply Type	Approximate Milepost	Approximate Distance from Construction Work Area (feet)
NGT Pipeline				
Mainline	Columbiana, OH	Agricultural/Irrigation Well	2.2	4
Mainline	Columbiana, OH	Domestic Well	2.2	61
Mainline	Columbiana, OH	Private Spring	3.5	97
Mainline	Columbiana, OH	Unspecified Well	7.1	150
Mainline	Columbiana, OH	Domestic Well	8.0	92
Mainline	Columbiana, OH	Domestic Well	10.5	0
Mainline	Columbiana, OH	Domestic Well	11.2	4
Mainline	Columbiana, OH	Private Well	11.4	18
Mainline	Stark, OH	Domestic Well	14.5	13
Mainline	Stark, OH	Domestic Well	18.3	0
Mainline	Stark, OH	Unspecified Well	18.6	7
Mainline	Stark, OH	Unspecified Well	18.6	82
Mainline	Stark, OH	Unspecified Well	19.6	2
Mainline	Stark, OH	Unspecified Well	23.6	117
Mainline	Stark, OH	Domestic Well	26.5	16
Mainline	Stark, OH	Domestic Well	30.3	94
Mainline	Stark, OH	Domestic Well	30.8	0
Mainline	Stark, OH	Domestic Well	30.9	94
Mainline	Stark, OH	Domestic Well	32.1	102
Mainline	Stark, OH	Unspecified Well	33.0	61
Mainline	Summit, OH	Domestic Well	35.0	0
Mainline	Summit, OH	Unspecified Well	36.8	3
Mainline	Summit, OH	Unspecified Well	36.8	65
Mainline	Columbiana, OH	Private Well [1]	36.8	16
Mainline	Summit, OH	Unspecified Well	37.8	1
Mainline	Summit, OH	Unspecified Well	38.3	0
Mainline	Summit, OH	Domestic Well	38.9	145
Mainline	Summit, OH	Unspecified Well	39.0	24
Mainline	Summit, OH	Unspecified Well	39.0	0
Mainline	Summit, OH	Unspecified Well	40.2	140
Mainline	Summit, OH	Private Well	40.2	37
Mainline	Summit, OH	Domestic Well	41.4	124
Mainline	Summit, OH	Domestic Well	41.5	34
Mainline	Summit, OH	Unspecified Well	41.6	117
Mainline	Summit, OH	Domestic Well	42.1	74
Mainline	Summit, OH	Domestic Well	42.2	0
Mainline	Summit, OH	Domestic Well	42.3	147
Mainline	Summit, OH	Unspecified Well	42.9	127
Mainline	Summit, OH	Unspecified Well	43.6	42
Mainline	Summit, OH	Unspecified Well	43.6	0
Mainline	Summit, OH	Unspecified Well	43.6	63
Mainline	Summit, OH	Private Well	43.7	41
Mainline	Summit, OH	Domestic Well	44.8	0
Mainline	Summit, OH	Unspecified Well	44.9	0
Mainline	Summit, OH	Domestic Well	44.9	79

APPENDIX H-1 (cont'd)

Water Supply Wells and Springs within 150 Feet of the NGT and TEAL Projects

Segment	County, State	Supply Type	Approximate Milepost	Approximate Distance from Construction Work Area (feet)
Mainline	Summit, OH	Domestic Well	46.2	25
Mainline	Summit, OH	Unspecified Well	46.2	106
Mainline	Summit, OH	Domestic Well	46.8	75
Mainline	Summit, OH	Unspecified Well	46.8	0
Mainline	Summit, OH	Private Well	48.0	143
Mainline	Summit, OH	Unspecified Well	49.4	90
Mainline	Summit, OH	Domestic Well	50.3	76
Mainline	Summit, OH	Unspecified Well	50.4	0
Mainline	Wayne, OH	Domestic Well	51.4	143
Mainline	Wayne, OH	Agricultural/Irrigation Well	52.0	85
Mainline	Wayne, OH	Private Well	52.9 [1]	0
Mainline	Wayne, OH	Domestic Well	53.0	0
Mainline	Wayne, OH	Domestic Well	53.0	94
Mainline	Wayne, OH	Private Spring	53.1 [1]	116
Mainline	Wayne, OH	Unspecified Well	53.6	0
Mainline	Wayne, OH	Unspecified Well	54.1	68
Mainline	Wayne, OH	Domestic Well	54.3	42
Mainline	Wayne, OH	Domestic Well	54.6	0
Mainline	Wayne, OH	Domestic Well	54.6	104
Mainline	Wayne, OH	Domestic Well	55.7	41
Mainline	Wayne, OH	Unspecified Well	55.7	0
Mainline	Wayne, OH	Unspecified Well	55.7	116
Mainline	Wayne, OH	Unspecified Well	55.7	88
Mainline	Wayne, OH	Unspecified Well	55.7	88
Mainline	Wayne, OH	Unspecified Well	56.5	118
Mainline	Wayne, OH	Unspecified Well	56.5	118
Mainline	Wayne, OH	Unspecified Well	56.5	118
Mainline	Wayne, OH	Unspecified Well	56.5	118
Mainline	Wayne, OH	Private Well	56.5 [1]	35
Mainline	Medina, OH	Domestic Well	56.6	148
Mainline	Wayne, OH	Unspecified Well	57.2	108
Mainline	Wayne, OH	Unspecified Well	57.2	108
Mainline	Wayne, OH	Unspecified Well	57.2	108
Mainline	Wayne, OH	Unspecified Well	57.2	108
Mainline	Wayne, OH	Unspecified Well	57.2	108
Mainline	Wayne, OH	Domestic Well	57.2	108
Mainline	Wayne, OH	Unspecified Well	57.2	31
Mainline	Wayne, OH	Unspecified Well	57.2	31
Mainline	Wayne, OH	Unspecified Well	57.2	31
Mainline	Wayne, OH	Unspecified Well	57.2	31
Mainline	Wayne, OH	Unspecified Well	57.2	31
Mainline	Wayne, OH	Unspecified Well	57.2	31
Mainline	Wayne, OH	Unspecified Well	57.3	136
Mainline	Medina, OH	Domestic Well	62.6	30
Mainline	Medina, OH	Domestic Well	64.2	0
Mainline	Medina, OH	Domestic Well	67.0	54
Mainline	Medina, OH	Domestic Well	67.1	93

APPENDIX H-1 (cont'd)

Water Supply Wells and Springs within 150 Feet of the NGT and TEAL Projects

Segment	County, State	Supply Type	Approximate Milepost	Approximate Distance from Construction Work Area (feet)
Mainline	Medina, OH	Domestic Well	67.3	70
Mainline	Medina, OH	Unspecified Well	68.3	139
Mainline	Medina, OH	Unspecified Well	68.8	121
Mainline	Medina, OH	Unspecified Well	69.3	15
Mainline	Medina, OH	Unspecified Well	72.6	41
Mainline	Medina, OH	Unspecified Well	77.0	0
Mainline	Medina, OH	Unspecified Well	78.1	0
Mainline	Lorain, OH	Private Well	84.4 [1]	86
Mainline	Lorain, OH	Private Well	84.5 [1]	150
Mainline	Lorain, OH	Unspecified Well	88.2	103
Mainline	Lorain, OH	Private Well	92.6 [1]	81
Mainline	Lorain, OH	Private Well	99.3 [1]	21
Mainline	Lorain, OH	Private Spring	99.3 [1]	25
Mainline	Lorain, OH	Unspecified Well	99.9	69
Mainline	Huron, OH	Unspecified Well	102.4	140
Mainline	Erie, OH	Unspecified Well	111.2	61
Mainline	Erie, OH	Dry/No Water	114.7	124
Mainline	Erie, OH	Dry/No Water	114.7	76
Mainline	Erie, OH	Unspecified Well	115.0	0
Mainline	Erie, OH	Unspecified Well	118.3	124
Mainline	Erie, OH	Unspecified Well	123.2	88
Mainline	Erie, OH	Unspecified Well	125.8	72
Mainline	Erie, OH	Private Well	125.9	93
Mainline	Erie, OH	Unspecified Well	127.7	0
Mainline	Erie, OH	Unspecified Well	128.8	38
Mainline	Erie, OH	Unspecified Well	129.8	0
Mainline	Erie, OH	Unspecified Well	130.7	77
Mainline	Sandusky, OH	Domestic Well	134.1	0
Mainline	Sandusky, OH	Domestic Well	134.1	0
Mainline	Sandusky, OH	Domestic Well	134.1	0
Mainline	Sandusky, OH	Unspecified Well	139.2	82
Mainline	Sandusky, OH	Unspecified Well	145.3	116
Mainline	Sandusky, OH	Unspecified Well	145.3	145
Mainline	Sandusky, OH	Unspecified Well	146.2	135
Mainline	Sandusky, OH	Unspecified Well	146.5	94
Mainline	Sandusky, OH	Unspecified Well	146.5	94
Mainline	Sandusky, OH	Unspecified Well	146.5	94
Mainline	Sandusky, OH	Unspecified Well	146.5	94
Mainline	Sandusky, OH	Unspecified Well	146.5	94
Mainline	Sandusky, OH	Unspecified Well	146.5	94
Mainline	Sandusky, OH	Unspecified Well	146.5	94
Mainline	Sandusky, OH	Unspecified Well	146.5	94
Mainline	Sandusky, OH	Unspecified Well	146.5	94
Mainline	Sandusky, OH	Unspecified Well	146.5	94
Mainline	Sandusky, OH	Unspecified Well	146.5	94
Mainline	Sandusky, OH	Unspecified Well	146.5	94
Mainline	Sandusky, OH	Unspecified Well	146.5	94

APPENDIX H-1 (cont'd)

Water Supply Wells and Springs within 150 Feet of the NGT and TEAL Projects

Segment	County, State	Supply Type	Approximate Milepost	Approximate Distance from Construction Work Area (feet)
Mainline	Sandusky, OH	Unspecified Well	146.5	94
Mainline	Sandusky, OH	Unspecified Well	147.4	64
Mainline	Sandusky, OH	Domestic Well	147.7	112
Mainline	Sandusky, OH	Unspecified Well	154.8	115
Mainline	Sandusky, OH	Domestic Well	157.5	121
Mainline	Sandusky, OH	Unspecified Well	161.8	38
Mainline	Sandusky, OH	Domestic Well	163.7	132
Mainline	Wood, OH	Unspecified Well	163.7	113
Mainline	Wood, OH	Unspecified Well	167.2	59
Mainline	Lucas, OH	Domestic Well	187.9	0
Mainline	Lucas, OH	Domestic Well	188.4	0
Mainline	Lucas, OH	Domestic Well	188.4	0
Mainline	Lucas, OH	Unspecified Well	188.8	0
Mainline	Lucas, OH	Domestic Well	189.3	117
Mainline	Fulton, OH	Unspecified Well	194.8	149
Mainline	Fulton, OH	Unspecified Well	194.8	131
Mainline	Fulton, OH	Domestic Well	195.6	91
Mainline	Fulton, OH	Domestic Well	195.6	86
Mainline	Fulton, OH	Unspecified Well	196.2	141
Mainline	Fulton, OH	Unspecified Well	196.2	141
Mainline	Lenawee, MI	Unspecified Well	227.6	0
Mainline	Lenawee, MI	Unspecified Well	228.1	0
Mainline	Monroe, MI	Unspecified Well	231.3	102
Mainline	Monroe, MI	Unspecified Well	232.5	124
Mainline	Monroe, MI	Unspecified Well	233.1	69
Mainline	Monroe, MI	Unspecified Well	236.3	126
Mainline	Washtenaw, MI	Unspecified Well	237.6	99
Mainline	Washtenaw, MI	Unspecified Well	239.3	137
Mainline	Washtenaw, MI	Unspecified Well	245.1	0
Mainline	Washtenaw, MI	Unspecified Well	245.2	0
Mainline	Washtenaw, MI	Unspecified Well	245.2	0
Mainline	Washtenaw, MI	Private Well	246.6	43
Mainline	Washtenaw, MI	Unspecified Well	246.6	46
Mainline	Washtenaw, MI	Private Well	247.4	73
Mainline	Washtenaw, MI	Unspecified Well	250.5	0
Mainline	Washtenaw, MI	Unspecified Well	250.5	0
Mainline	Washtenaw, MI	Unspecified Well	250.6	0
Mainline	Washtenaw, MI	Unspecified Well	253.7	0
Mainline	Washtenaw, MI	Unspecified Well	253.9	55
Mainline	Washtenaw, MI	Unspecified Well	253.9	0
Mainline	Washtenaw, MI	Unspecified Well	254.9	62
NGT Aboveground Facilities				
Hanoverton CS	Columbiana, OH	Unspecified Well	1.3	62
Wadsworth CS	Medina, OH	Unspecified Well	63.5	139
Wadsworth CS	Medina, OH	Unspecified Well	63.5	119
Wadsworth CS	Medina, OH	Domestic Well	63.5	61
Clyde CS	Sandusky, OH	Unspecified Well	134.1	0

APPENDIX H-1 (cont'd)

Water Supply Wells and Springs within 150 Feet of the NGT and TEAL Projects

Segment	County, State	Supply Type	Approximate Milepost	Approximate Distance from Construction Work Area (feet)
Clyde CS	Sandusky, OH	Domestic Well	134.1	55
MR04	Washtenaw, MI	Unspecified Well	255.0	0
NGT Contractor Wareyards				
Wareyard 1-1	Stark, OH	Domestic Well	23.0	0
Wareyard 3-1a	Wood, OH	Unspecified Well	176.7	0
Wareyard 3-2	Lucas, OH	Domestic Well	186.6	84
Wareyard 3-2	Lucas, OH	Unspecified Well	186.7	0
Wareyard 4-1	Lenawee, MI	Unspecified Well	228.6	0
Wareyard 4-1	Monroe, MI	Unspecified Well	228.7	88
Wareyard 4-1	Monroe, MI	Unspecified Well	228.8	83
NGT Staging Areas				
Staging Area-57	Stark, OH	Unspecified Well	13.5	115
Staging Area-17	Stark, OH	Unspecified Well	15.3	111
Staging Area-1	Summit, OH	Domestic Well	41.4	125
Staging Area-34	Wayne, OH	Unspecified Well	53.7	84
Staging Area-11	Medina, OH	Unspecified Well	68.4	96
Staging Area-11	Medina, OH	Unspecified Well	68.4	17
Staging Area-93	Sandusky, OH	Unspecified Well	133.3	133
Staging Area-96	Fulton, OH	Unspecified Well	200.8	0
NGT Access Roads				
TAR-7.3	Columbiana, OH	Private Well	7.3	14
TAR-13.5	Stark, OH	Unspecified Well	13.5	61
TAR-15.4	Stark, OH	Unspecified Well	15.4	149
TAR-18.6	Stark, OH	Unspecified Well	18.7	99
TAR-18.6	Stark, OH	Unspecified Well	18.7	85
TAR-18.6	Stark, OH	Unspecified Well	18.7	81
TAR-18.6	Stark, OH	Unspecified Well	18.7	74
TAR-18.6	Stark, OH	Unspecified Well	18.7	72
TAR-18.6	Stark, OH	Unspecified Well	18.7	72
TAR-18.6	Stark, OH	Unspecified Well	18.7	72
TAR-18.6	Stark, OH	Unspecified Well	18.7	53
TAR-18.6	Stark, OH	Domestic Well	18.7	64
TAR-18.6	Stark, OH	Unspecified Well	18.7	64
TAR-18.6	Stark, OH	Domestic Well	18.7	38
TAR-18.6	Stark, OH	Unspecified Well	18.7	42
TAR-18.6	Stark, OH	Unspecified Well	18.7	0
TAR-18.6	Stark, OH	Unspecified Well	18.7	0
TAR-22.9	Stark, OH	Unspecified Well	22.9	125
TAR-33.5 R	Stark, OH	Unspecified Well	33.6	62
TAR-40.8 R	Summit, OH	Unspecified Well	40.5	103
TAR-40.8 R	Summit, OH	Unspecified Well	40.5	31
TAR 43.7 R	Summit, OH	Unspecified Well	43.6	139
TAR 43.7 R	Summit, OH	Unspecified Well	43.6	11
TAR 43.7 R	Summit, OH	Domestic Well	43.6	47
TAR 43.7 R	Summit, OH	Unspecified Well	43.7	0
TAR-43.3	Summit, OH	Private Well	43.7	17
TAR-44.3	Summit, OH	Unspecified Well	44.4	72

APPENDIX H-1 (cont'd)

Water Supply Wells and Springs within 150 Feet of the NGT and TEAL Projects

Segment	County, State	Supply Type	Approximate Milepost	Approximate Distance from Construction Work Area (feet)
TAR-48.5	Summit, OH	Domestic Well	48.5	141
TAR-48.5	Summit, OH	Unspecified Well	48.8	15
TAR-48.5	Summit, OH	Unspecified Well	48.8	17
TAR-53.5	Wayne, OH	Unspecified Well	53.5	3
TAR-56.2	Medina, OH	Unspecified Well	56.2	114
TAR-63.1	Medina, OH	Domestic Well	63.0	108
TAR-66.4	Medina, OH	Unspecified Well	66.4	101
TAR-68.6	Medina, OH	Unspecified Well	68.4	100
TAR-73.1	Medina, OH	Unspecified Well	73.2	30
TAR-76.8a	Medina, OH	Unspecified Well	77.0	120
TAR-92.2	Lorain, OH	Unspecified Well	92.2	11
TAR-92.2	Lorain, OH	Unspecified Well	92.2	46
PAR-128.8	Erie, OH	Unspecified Well	128.8	0
TAR-163.9	Wood, OH	Domestic Well	163.9	63
TAR-173.9	Wood, OH	Unspecified Well	173.9	144
TAR-200.7	Fulton, OH	Unspecified Well	200.6	83
TAR-237.2	Washtenaw, MI	Unspecified Well	237.1	107
TAR-237.2	Washtenaw, MI	Unspecified Well	237.1	145
TEAL Pipeline				
Loopline	Monroe, OH	Private Well	1.3	0
Loopline	Monroe, OH	Private Spring	3	0
Loopline	Monroe, OH	Private Spring	3	40
Loopline	Monroe, OH	Private Spring	3.9	5

Sources: Ohio: ODNR, 2016b; OEPA Source Water Assessment and Protection Program; and field surveys.
Michigan: Michigan Department of Technology, Management, & Budget, 2016; MDEQ MDE Wellhead Protection Program; and field surveys.

APPENDIX H-2

WATERBODIES CROSSED BY THE NGT AND TEAL PROJECTS

APPENDIX H-2

Waterbodies Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Flow Type [a]	FERC Classification [b]	State Water Quality Classification [c]	State Water Supply Classification [d]	State Recreation Classification [e]	Waterbody Width (feet) [f]	Proposed Construction Method [g]
NGT PROJECT									
Mainline									
Columbiana County, OH									
B15-17-S3	Tributary to Brush Creek	0.1	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	5	N/A
B15-17-S4	Tributary to Brush Creek	0.1	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	3	N/A
B15-17-S2	Tributary to Brush Creek	0.1	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	4	Wet Cut
B15-28-S1	Tributary to Sandy Creek	0.7	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	2	Wet Cut
B15-29-S1	Tributary to Sandy Creek	1.0	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	6	Wet Cut
A14-5-S4	Tributary to Sandy Creek	2.0	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	12	Bore
A14-5-S3	Tributary to Sandy Creek	2.2	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	4	Dry Cut
A14-8-S1	Tributary to Sandy Creek	3.9	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	9	Dry Cut
A14-10-S1	Conser Run	4.9	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	20	Bore
A14-10-S2	Tributary Conser Run	5.0	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	2	N/A
A14-11-S1	Tributary to Conser Run	5.3	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	5	Wet Cut
A14-126-S1	Tributary to Conser Run	5.6	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	3	Wet Cut
A14-127-S1	Tributary to Conser Run	5.7	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	3	Wet Cut
A14-12-S1	Tributary to Conser Run	6.5	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	3	Dry Cut
B15-33-S1	Tributary to Lake Placentia	7.7	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	5	Wet Cut
A14-196-S1	Tributary to Middle Branch Sandy Creek	9.8	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	10	Dry Cut
A14-13-S1	Tributary to Middle Branch Sandy Creek	10.1	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	2	Wet Cut
A14-15-S1	Tributary to Middle Branch Sandy Creek	10.6	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	4	Dry Cut
C15-65-S1	Tributary to Middle Branch Sandy Creek	11.0	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	8	Dry Cut
A15-34-S1	Tributary to Middle Branch Sandy Creek	11.2	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	4	Bore
A15-34-S2	Sandy Creek	11.2	Perennial	Minor	WWF	AWS and IWS	Primary Contact B	7	Bore
A14-17-S4	Tributary to Middle Branch Sandy Creek	11.8	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	3	Dry Cut
A14-165-S2	Tributary to Woodland Lake	12.3	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	6	Dry Cut
A14-165-S1	Tributary to Woodland Lake	12.3	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	5	Dry Cut

APPENDIX H-2 (cont'd)

Waterbodies Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Flow Type [a]	FERC Classification [b]	State Water Quality Classification [c]	State Water Supply Classification [d]	State Recreation Classification [e]	Waterbody Width (feet) [f]	Proposed Construction Method [g]
Stark County, OH									
B15-63-S1	Tributary to Middle Branch Sandy Creek	13.4	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	4	Dry Cut
B15-66-S1	Tributary to Middle Branch Sandy Creek	13.7	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	3.5	Wet Cut
A15-47-S1	Tributary to Middle Branch Sandy Creek	13.9	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	3	Dry Cut
B15-54-S2	Tributary to Middle Branch Sandy Creek	14.0	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	1.3	Wet Cut
C15-92-S1	Tributary to Beech Creek	15.3	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	3	N/A
C15-116-S3	Tributary to Beech Creek	16.8	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	5	Dry Cut
C15-116-S5	Tributary to Beech Creek	16.8	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	3	N/A
C15-116-S2	Beech Creek	17.1	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	15	Dry Cut
C15-116-S1	Tributary to Beech Creek	17.2	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	10	Wet Cut
A14-105-S1	Tributary to Beech Creek	17.8	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	3	Bore
A14-103-S1	Tributary to Beech Creek	18.2	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	5	Wet Cut
C15-87-S1	Tributary to Beech Creek	19.4	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	22	N/A
C15-87-S2	Tributary to Beech Creek	19.4	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	5	Wet Cut
A15-36-S1	Tributary to Red Pine Lake	20.5	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	10	Dry Cut
A15-36-S2	Tributary to Red Pine Lake	20.5	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	4	N/A
A14-25-S1	Middle Branch Nimishillen Creek	21.8	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	10	Dry Cut
B15-41-S1	Tributary to Middle Branch Nimishillen Creek	22.0	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	3.5	Bore
B15-40-S1	Tributary to Middle Branch Nimishillen Creek	22.3	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	4	Bore
A14-175-S1	Tributary to Middle Branch Nimishillen Creek	22.8	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	6	Wet Cut
A14-174-S1	Tributary to Middle Branch Nimishillen Creek	23.0	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	4	Wet Cut
A14-27-S1	Tributary to Middle Branch Nimishillen River	24.1	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	3	Wet Cut
A14-161-S1	Tributary to Middle Branch Nimishillen Creek	24.6	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	28	Dry Cut
A14-161-S2	Tributary to Middle Branch Nimishillen River	24.6	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	6	Dry Cut

APPENDIX H-2 (cont'd)

Waterbodies Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Flow Type [a]	FERC Classification [b]	State Water Quality Classification [c]	State Water Supply Classification [d]	State Recreation Classification [e]	Waterbody Width (feet) [f]	Proposed Construction Method [g]
A14-31-S1	Tributary to Middle Branch Nimishillen Creek	25.8	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	10	Dry Cut
A14-100-S1	Tributary to Nimishillen Creek	26.7	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	3	Wet Cut
B15-75-S1	Middle Branch Nimishillen Creek	26.8	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	3.8	Dry Cut
B15-45-S1	Tributary to Swartz Ditch	27.7	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	15	Wet Cut
A14-168-S1	Tributary to West Branch Nimishillen Creek	28.9	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	8	Wet Cut
B15-98-S1	Tributary to West Branck Nimishillen Creek	29.0	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	4	Wet Cut
B15-101-S1	Tributary to West Branch Nimishillen Creek	29.3	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	15	Dry Cut
B15-103-S1	Tributary to West Branch Nimishillen Creek	29.6	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	30	Dry Cut
A14-157-S1	Tributary to West Branch Nimishillen Creek	30.3	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	10	Wet Cut
A14-159-S1	Tributary to West Branch Nimishillen Creek	30.7	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	6	Wet Cut
A14-158-S1	Tributary to West Branch Nimishillen Creek	30.9	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	15	Dry Cut
A14-162-S1	Tributary to West Branch Nimishillen Creek	31.5	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	6	Wet Cut
A14-163-S1	Tributary to West Branch Nimishillen Creek	31.6	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	4	Dry Cut
A14-164-S2	West Branch Nimishillen Creek	32.0	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	16	Dry Cut
A14-164-S1	Tributary to West Branch Nimishillen Creek	32.2	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	22	Dry Cut
A15-68-S1	Tributary to Tuscarawas River	33.8	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	20	Dry Cut
Summit County, OH									
A15-71-S1	Tributary to Tuscarawas River	34.7	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	5	Wet Cut
AS-SU-210	Tributary to Tuscarawas River	34.9	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	6	Wet Cut

APPENDIX H-2 (cont'd)

Waterbodies Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Flow Type [a]	FERC Classification [b]	State Water Quality Classification [c]	State Water Supply Classification [d]	State Recreation Classification [e]	Waterbody Width (feet) [f]	Proposed Construction Method [g]
B15-68-S1	Tributary to Tuscarawas River	35.1	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	8	Dry Cut
AS-SU-401	Tributary to Tuscarawas River	36.1	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	18	Dry Cut
C15-106-S1	Tributary to Willowdale Lake	36.8	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	3	Wet Cut
B15-108-WB1	Tributary to Willowdale Lake	36.9	Pond	Intermediate	WWH	AWS and IWS	Primary Contact B	27	N/A
C15-122-S1	Tributary to Willowdale Lake	37.1	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	3	Wet Cut
C15-120-S1	Tributary to Willowdale Lake	37.5	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	5	Dry Cut
C15-113-S1	Tributary to Singer Lake	38.7	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	1	Wet Cut
F15-1-S1	Tributary to Nimisila Reservoir	39.4	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	7	Dry Cut
A14-112-S1	Tributary to Nimisila Reservoir	39.5	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	5	Dry Cut
A14-112-S1A	Tributary to Nimisila Reservoir	39.9	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	10	Dry Cut
AP-SU-336	Tributary to Nimisila Reservoir	40.6	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	25	N/A
AS-SU-200	Nimisila Reservoir	41.1	Reservoir	Major	WWH	AWS and IWS	Primary Contact B	650	HDD
A14-122-S2	Nimisilla Creek	41.7	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	80	Dry Cut
A14-122-S4	Tributary to Nimisila Creek	41.7	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	3	N/A
A14-122-S3	Tributary to Nimisilla Creek	41.7	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	30	N/A
A14-122-S5	Tributary to Nimisila Creek	41.9	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	5	Dry Cut
A14-122-S1	Tributary to Nimisila Creek	42.0	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	4	Wet Cut
AS-SU-18	Tributary to Nimisila Creek	42.5	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	11	Wet Cut
A14-117-S1	Tributary to Nimisila Creek	43.3	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	15	Wet Cut
A15-16-S2	Tributary to Nimisila Creek	43.8	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	3	N/A
A15-95-S1/ AS-SU-22	Tributary to Nimisila Creek	43.9	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	2.5	Wet Cut
C15-102-S1	Tributary to Nimisila Creek	44.1	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	13	Dry Cut
AS-SU-29	Tributary to Tuscarawas River	45.9	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	5	Wet Cut
A14-119-S1	Tributary to Tuscarawas River	46.4	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	2.5	Wet Cut
C15-25-S1	Tributary to Tuscarawas River	46.8	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	6	Dry Cut

APPENDIX H-2 (cont'd)

Waterbodies Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Flow Type [a]	FERC Classification [b]	State Water Quality Classification [c]	State Water Supply Classification [d]	State Recreation Classification [e]	Waterbody Width (feet) [f]	Proposed Construction Method [g]
A15-13-S1	Tributary to Tuscarawas River	46.8	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	4	N/A
A15-14-S1	Tributary to Tuscarawas River	47.0	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	8	Wet Cut
C15-28-S1	Tuscarawas River	48.1	Perennial	Intermediate	MWH	AWS and IWS	Primary Contact A	83	HDD
AS-SU-40	Pancake Creek	48.9	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	24	Dry Cut
AS-SU-43	Tributary to Willowdale Lake	49.2	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	5	Wet Cut
A14-41-S3	Tributary to Pancake Creek	49.6	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	4.5	Wet Cut
A14-41-S2	Tributary to Pancake Creek	49.8	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	3	Wet Cut
A14-41-S1	Tributary to Pancake Creek	50.0	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	4	Dry Cut
A14-42-S1	Tributary to Pancake Creek	50.1	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	3	Wet Cut
A14-42-S2	Tributary to Pancake Creek	50.1	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	2	Wet Cut
Wayne County, OH									
A15-20-S1	Tributary to Pancake Creek	50.5	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	6	Wet Cut
A15-21-S2	Tributary to Silver Creek	51.5	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	3	N/A
A15-21-S1	Tributary to Silver Creek	51.6	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	2	Wet Cut
C15-34-S1	Tributary to Silver Creek	52.2	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	8	Wet Cut
A14-124-S2	Tributary to Silver Creek	52.6	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	7	Dry Cut
A14-124-S1	Silver Creek	52.6	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	12	Dry Cut
A15-52-S5	Tributary to Silver Creek	52.8	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	18	Dry Cut
A15-52-S1	Tributary to Silver Creek	52.8	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	1.5	Dry Cut
A15-53-S1	Tributary to Silver Creek	53.0	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	5	Dry Cut
A15-54-S1	Tributary to Silver Creek	53.0	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	7	N/A
B15-91-S1	Tributary to Silver Creek	53.5	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	3	Bore
B15-47-S1	Tributary to Mill Creek	54.9	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	17	Dry Cut
A15-41-S1	Mill Creek	55.3	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	10	Dry Cut
Medina County, OH									
B15-49-S1	Tributary to River Styx	57.2	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	4	Bore
Wayne County, OH									
B15-50-S3	Tributary to River Styx	57.2	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	3.5	Bore
B15-50-S2	Tributary to River Styx	57.3	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	3.5	Dry Cut
AS-WA-603	NA	57.3	NA	NA	NA	NA	NA	0	NA
B15-50-S1	Tributary to Styx River	57.4	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	8	Bore
B15-51-S1	Styx River	57.6	Perennial	Intermediate	MWH	AWS and IWS	Primary Contact B	28	Dry Cut

APPENDIX H-2 (cont'd)

Waterbodies Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Flow Type [a]	FERC Classification [b]	State Water Quality Classification [c]	State Water Supply Classification [d]	State Recreation Classification [e]	Waterbody Width (feet) [f]	Proposed Construction Method [g]
Medina County, OH									
B15-53-S1	Tributary to Styx River	57.7	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	7	Bore
B14-7-S1	Tributary to Styx River	58.4	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	6	Wet Cut
A14-44-S1	Tributary to Styx River	59.3	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	5	N/A
B15-02-S1	Tributary to Styx River	59.9	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	5	Dry Cut
A14-39-S1	Tommy Run	60.7	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	10	Dry Cut
A14-40-S1	Tributary to Tommy Run	60.9	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	8	Dry Cut
A14-40-S2	Tributary to Tommy Run	60.9	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	2	Wet Cut
A14-116-S2	Tributary to Hubbard Creek	65.3	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	10	Wet Cut
A14-116-S5	Tributary to Hubbard Creek	65.4	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	4	Wet Cut
AS-ME-24	Tributary to Hubbard Creek	66.0	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	8	Bore
B14-4-S1	Tributary to Hubbard Creek	66.2	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	10	Dry Cut
AS-ME-27	Tributary to Chippewa Creek	67.4	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	17	Wet Cut
AS-ME-30	Tributary to Chippewa Creek	67.6	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	15	Wet Cut
AS-ME-31	Tributary to Chippewa Creek	67.6	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	5	Wet Cut
AS-ME-31A	Tributary to Chippewa Creek	67.7	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	5	Wet Cut
B15-82-S1	Tributary to Chippewa Creek	67.9	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	6	Wet Cut
AS-ME-34	Tributary to Chippewa Creek	68.1	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	21	Dry Cut
A15-3-S1	McCabe Creek	68.8	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	15	Dry Cut
C15-41-S1	Tributary to The Inlet	69.7	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	15	Dry Cut
C15-6-S2	Tributary to The Inlet	69.9	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	17	Wet Cut
C15-6-S1	Tributary to The Inlet	70.0	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	23	Wet Cut
C15-42-S1	The Inlet	70.8	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	21	Bore
A15-72-S1	Tributary to The Inlet	70.9	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	6	Bore
C15-44-S1	Tributary to the Inlet	71.1	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	13	HDD
A14-46-S2	Tributary to the Inlet	71.3	Ephemeral	Intermediate	WWH	AWS and IWS	Primary Contact B	13	HDD
A14-46-S1	Tributary to the Inlet	71.4	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	13	HDD
B15-120-S1	NA	72.8	NA	NA	NA	NA	NA	0	NA
C15-24-S1	Tributary to Mallet Creek	72.9	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	20	Dry Cut

APPENDIX H-2 (cont'd)

Waterbodies Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Flow Type [a]	FERC Classification [b]	State Water Quality Classification [c]	State Water Supply Classification [d]	State Recreation Classification [e]	Waterbody Width (feet) [f]	Proposed Construction Method [g]
C15-24-S7	Tributary to Mallet Creek	73.3	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	1.5	Wet Cut
C15-24-S7	Tributary to Mallet Creek	73.3	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	1.5	Wet Cut
C15-24-S8	Tributary to Mallet Creek	73.4	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	4	Wet Cut
C15-24-S1-3	Mallet Creek	73.4	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	15	Dry Cut
C15-24-S1-3	Mallet Creek	73.5	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	15	Dry Cut
AS-ME-56	Tributary to Mallet Creek	73.7	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	10	Bore
AS-ME-58A	Tributary to Mallet Creek	73.9	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	14	Dry Cut
B15-84-S1	Tributary to Mallet Creek	74.0	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	11	Dry Cut
B15-84-S2	Tributary to Mallet Creek	74.0	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	5	N/A
B14-9-S1	Tributary to Mallet Creek	74.3	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	4	N/A
B14-10-S1	Tributary to Mallet Creek	75.4	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	2	Wet Cut
B15-74-S3	Tributary to Mallet Creek	75.8	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	8	Wet Cut
B15-74-S1	Mallet Creek	76.0	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	30	Dry Cut
B15-74-S4	Tributary to Mallet Creek	76.3	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	5	Wet Cut
A15-76-S1	Tributary to Mallet Creek	76.9	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	5	Wet Cut
A15-76-S2	Tributary to Mallet Creek	77.0	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	20	Dry Cut
AS-ME-200	Tributary to Mallet Creek	78.0	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	6	Bore
AS-ME-96	Tributary to West Branch Rocky River	78.9	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	14	Dry Cut
B15-85-S1	Tributary to West Branch Rocky River	79.1	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	6	Bore
AS-ME-98	Tributary to West Branch Rocky River	79.4	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	5	Wet Cut
AS-ME-99	Tributary to West Branch Rocky River	79.5	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	5	Wet Cut
AS-LO-1	Tributary to East Branch Black River	80.3	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	19	Dry Cut
B15-15-S1	Tributary to East Branch Black River	80.4	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	2	Dry Cut
Lorain County, OH									
A15-28-S1	Tributary to East Branch Black River	81.4	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	6	Wet Cut
A14-59-S1	Tributary to East Branch Black River	82.0	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	2	N/A
A14-69-S6	Tributary to Salt Creek	84.3	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	5	N/A

APPENDIX H-2 (cont'd)

Waterbodies Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Flow Type [a]	FERC Classification [b]	State Water Quality Classification [c]	State Water Supply Classification [d]	State Recreation Classification [e]	Waterbody Width (feet) [f]	Proposed Construction Method [g]
A14-69-S4	Salt Creek	84.4	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	25	Dry Cut
A15-56-S1	Tributary to East Branch Black River	85.8	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	8	Wet Cut
A15-63-S1	Tributary to East Branch Black River	86.0	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	12	Bore
A14-50-S1	East Branch Black River	86.7	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact A	65	HDD
B15-61-S1	Tributary to Finnegan Ditch	87.1	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	9	Bore
A14-55-S1	Tributary to Dent Ditch	87.3	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	5	Wet Cut
B15-96-S1	Tributary to Dent Ditch	88.0	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	10	Wet Cut
B15-97-S1	Tributary to Dent Ditch	88.2	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	4	Bore
A14-73-S1	King Ditch	88.6	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	7	Dry Cut
A14-128-S1	Tributary to King Ditch	89.2	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	3	Bore
A14-75-S1	Tributary to King Ditch	89.3	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	3	Bore
A14-75-S2	Tributary to King Ditch	89.3	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	8	Wet Cut
A14-76-S1	Kelner Ditch	90.1	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	15	Dry Cut
A14-76-S2	Tributary to Kelner Ditch	90.1	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	1.5	N/A
AS-LO-402	Tributary to Elk Creek	91.2	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	2	Wet Cut
C15-37-S1	Elk Creek	91.3	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	20	Dry Cut
C15-35-S1	Wellington Creek	91.8	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	50	Dry Cut
C15-8-S2	Tributary to West Branch Black River	92.3	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	9	HDD
C15-8-S3	Tributary to West Branch Black River	92.3	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	55	HDD
C15-8-S4	West Branch Black River	92.4	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact A	45	HDD
C15-9-S1	Tributary to West Branch Black River	92.6	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	25	Dry Cut
A14-140-S1	Tributary to West Branch Black River	93.4	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	2	Bore
A14-141-S1	Plum Creek	96.1	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	10	Dry Cut
C15-57-S1	Tributary to Plum Creek	97.3	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	2	Wet Cut
C15-61-S1	Tributary to East Fork Vermilion River	98.3	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	12	Wet Cut
A15-85-S1	Tributary to East Fork Vermillion River	98.9	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	3	Wet Cut

APPENDIX H-2 (cont'd)

Waterbodies Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Flow Type [a]	FERC Classification [b]	State Water Quality Classification [c]	State Water Supply Classification [d]	State Recreation Classification [e]	Waterbody Width (feet) [f]	Proposed Construction Method [g]
A15-85-S2	Tributary to East Fork Vermillion River	98.9	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	2	Wet Cut
C15-66-S1	East Fork Vermilion River	99.3	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	40	Dry Cut
C15-67-S1	Frankenburg Creek	101.3	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	10	Bore
Huron County, OH									
C15-100-S1	Tributary to East Fork Frankenburg Creek	101.7	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	12	Wet Cut
C15-101-S1	Tributary to East Fork Frankenburg Creek	101.9	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	9	Wet Cut
A15-57-S1	Tributary to East Fork Frankenburg Creek	102.3	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	8	Wet Cut
C15-88-S1	Tributary to Frankenburg Creek	103.0	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	15	Dry Cut
C15-56-S1	Tributary to Vermillion River	104.2	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	8	HDD
C15-56-S4, C15-56-S4B	Vermillion River	104.4	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact A	66, 60	HDD
C15-56-S4A	Tributary to Vermillion River	104.5	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	40	HDD
Erie County, OH									
C15-69-S1	Chappel Creek	105.9	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	34	Dry Cut
B15-115-S1	NA	110.3	NA	NA	NA	NA	NA	0	NA
B15-124-S1	Tributary to Old Woman Creek	112.1	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	12	Bore
B15-124-S2	Tributary to Old Woman Creek	112.1	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	12	Bore
AS-ER-35	Tributary to Old Woman Creek	113.0	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	3	Wet Cut
A14-187-S1	Old Woman Creek	113.1	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	28	Dry Cut
A14-188-S1	Tributary to Old Woman Creek	113.3	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	10	Dry Cut
A14-188-S2	Tributary to Old Woman Creek	113.3	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	5	N/A
AS-ER-12	Tributary to Old Woman Creek	113.8	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	33	Dry Cut
B15-07-S1	Tributary to Old Woman Creek	114.3	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	10	Dry Cut
C15-14-S1	Tributary to Huron River	115.4	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	4	Wet Cut

APPENDIX H-2 (cont'd)

Waterbodies Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Flow Type [a]	FERC Classification [b]	State Water Quality Classification [c]	State Water Supply Classification [d]	State Recreation Classification [e]	Waterbody Width (feet) [f]	Proposed Construction Method [g]
C15-15-S1	Tributary to Huron River	115.7	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	30	Dry Cut
B15-09-S1	Tributary to Huron River	116.0	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	10	Wet Cut
C15-17-S1	Tributary to Huron River	116.1	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	2	Wet Cut
C15-16-S1	Tributary to Huron River	116.2	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	6	Wet Cut
A14-156-S2	Tributary to Huron River	116.5	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	5	
A14-155-S1	Tributary to Huron River	116.5	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	10	Bore
A14-186-S1, AS-ER-19	Huron River	116.9	Perennial	Major	WWH	AWS and IWS	Primary Contact A	195	HDD
AS-ER-20A	Tributary to Huron River	117.0	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	3	HDD
AS-ER-20	Tributary to Huron River	117.1	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	3	HDD
C15-20-S1	Tributary to Mud Brook	117.6	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	18	Dry Cut
C15-18-S1	Tributary to Mud Brook	118.4	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	18	Wet Cut
B15-11-S1	Tributary to Mud Brook	118.8	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	5	Dry Cut
E14-97-S1	Mud Creek	119.0	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	19	Dry Cut
C15-21-S1	Zorn Beutal Ditch	120.0	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	18	Dry Cut
C15-22-S1	Sheerer Ditch	120.4	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	28	Dry Cut
C15-74-S1	Tributary to Sheerer Ditch	120.5	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	4	Wet Cut
B15-12-S1	Sherer Ditch	120.9	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	2	Bore
B15-13-S1	Sherer Ditch	122.0	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	5	Bore
AS-ER-205	Tributary to Sawmill Creek	122.1	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	5	Dry Cut
E14-96-S1	Tributary to Sherer Ditch	123.1	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	6	Wet Cut
A15-62-S1	Tributary to Pipe Creek	124.0	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	4	Dry Cut
C15-23-S1	Tributary to Pipe Creek	125.7	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	6.5	Wet Cut
E14-95-S1	Pipe Creek	125.9	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	10	Dry Cut
E14-49-S1	Tributary to Pipe Creek	127.4	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	5	Wet Cut
E14-50-S1	Tributary to Mills Creek	127.9	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	10	Wet Cut
E14-51-S1	Tributary to Mills Creek	128.4	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	15	Bridge
E14-94-S1	Mills Creek	129.3	Perennial	Intermediate	WWH	AWS and IWS	Secondary Contact	30	Dry Cut
Sandusky County, OH									
D15-74-S1	Scherz Ditch	134.3	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	14	Dry Cut
D14-4-S1	Strong Creek	135.3	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	15	Dry Cut
D14-6-S1	Fuller Creek	136.0	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	13	N/A
D14-7-S1	Tributary to Fuller Creek	136.4	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	6	Bore
D15-49-S1	Tributary to Fuller Creek	136.9	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	10	Wet Cut

APPENDIX H-2 (cont'd)

Waterbodies Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Flow Type [a]	FERC Classification [b]	State Water Quality Classification [c]	State Water Supply Classification [d]	State Recreation Classification [e]	Waterbody Width (feet) [f]	Proposed Construction Method [g]
E14-105-S1	Pickerel Creek	138.0	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	18	Dry Cut
D14-9-S1	Little Raccoon Creek	138.7	Perennial	Minor	WWH	AWS and IWS	Secondary Contact	10	Dry Cut
D14-10-S1	Tributary to Little Racoon Creek	139.1	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	6	Wet Cut
D14-8-S1	Raccoon Creek	139.9	Perennial	Intermediate	WWH	AWS and IWS	Secondary Contact	30	Dry Cut
D14-8-S2	Tributary to Raccoon Creek	139.9	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	2	N/A
E14-103-S1	South Creek	140.5	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	22	Dry Cut
D15-31-S1	Tributary to South Creek	141.2	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	18	Dry Cut
D14-11-S1	Green Creek	141.7	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	35	Dry Cut
D15-115-S1	Tributary to Buehler Creek	142.7	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	10	Wet Cut
E14-36-S1	Tributary to Buehler Ditch	143.0	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	10	Wet Cut
D15-47-S1	Buehler Ditch	143.3	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	20	Dry Cut
D14-40-S1	Bark Creek	143.7	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	20	Dry Cut
AS-SA-699	Sandusky River	145.9	Perennial	Major	WWH	AWS and IWS	Primary Contact A	500	HDD
AP-SA-700	NA	146.0	NA	NA	NA	NA	NA	0	NA
D15-104-WB	Tributary to Sandusky River	146.4	Pond	Major	WWH	AWS and IWS	Primary Contact B	70	Dry Cut
AS-SA-702	Tributary to Sandusky River	146.4	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	7	Wet Cut
E15-39-S1	Greesman Ditch	146.7	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	6	Wet Cut
D14-33-S1	Tributary to Muskellunge Creek	147.5	Ephemeral	Intermediate	WWH	AWS and IWS	Primary Contact B	14	Bore
E14-121-S1	Tributary to Muskellunge Creek	147.7	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	9	Wet Cut
D15-34-S1	Tributary to Little Muddy Creek	148.8	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	6	Wet Cut
D15-52-S1	Little Muddy Creek	149.4	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	30	Dry Cut
D15-87-S1	Tributary to Muddy Creek	152.7	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	3	Bore
E14-43-S1	Muddy Creek	153.4	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	24	Dry Cut
E14-181-S1	Tributary to Muddy Creek	153.8	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	5	Bore
D15-35-S1	Tributary to Muddy Creek	154.4	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	20	Dry Cut
E14-109-S1	Tributary to Muddy Creek	154.7	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	4	Bore
E14-42-S1	Ninemile Creek	155.2	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	18	Dry Cut
E14-3-S1	Tributary to Ninemile Creek	155.9	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	4	Bore
D15-51-S1	Tributary to Wolf Creek	156.6	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	7	Wet Cut
D15-50-S1	Tributary to Wolf Creek	156.9	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	8	Wet Cut

APPENDIX H-2 (cont'd)

Waterbodies Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Flow Type [a]	FERC Classification [b]	State Water Quality Classification [c]	State Water Supply Classification [d]	State Recreation Classification [e]	Waterbody Width (feet) [f]	Proposed Construction Method [g]
C15-79-S1	Wolf Creek	157.8	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	11	Dry Cut
D14-25-S1	Sugar Creek	158.6	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact A	35	Dry Cut
E14-107-S1	Tributary to Victoria Creek	160.8	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	9	Wet Cut
E14-108-S1	Victoria Creek	161.3	Ephemeral	Intermediate	WWH	AWS and IWS	Primary Contact B	13	Wet Cut
D15-26-S1	Portage River	162.5	Perennial	Major	WWH	AWS and IWS	Primary Contact A	200	HDD
Wood County, OH									
E14-111-S1	Martin Ditch	163.8	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	17	Dry Cut
D14-31-S1	Tributary to Martin Ditch	164.8	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	10	Dry Cut
E14-85-S1	Tributary to Toussaint Creek	165.6	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	13	Dry Cut
E14-153-S1	Tributary to Toussaint Creek	166.5	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	6	Wet Cut
D14-34-S1	Tributary to Toussaint Creek	166.8	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	6	Bore
E14-175-S1	Toussaint Creek	167.3	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	24	Dry Cut
E15-22-S1	Tributary to Toussaint Creek	167.8	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	5	Bore
E14-48-S3	Tributary to Toussaint Creek	168.2	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	6	Wet Cut
E14-48-S4	Tributary to Toussaint Creek	168.3	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	6	Wet Cut
E14-48-S2	Tributary to Toussaint Creek	168.4	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	7	Bore
E14-79-S1	Tributary to Packer Creek	170.4	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	7	Wet Cut
E14-80-S1	Tributary to Packer Creek	170.8	Ephemeral	Intermediate	WWH	AWS and IWS	Primary Contact B	15	Dry Cut
E14-40-S1	Packer Creek	171.1	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	25	Dry Cut
D15-62-S1	Tributary to Cedar Creek	174.0	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	10	Bore
E14-35-S1	Tributary to Cedar Creek	174.5	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	10	Bore
E15-32-S1	Tributary to Henry Creek	175.4	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	6	Wet Cut
E15-33-S1	Tributary to Henry Creek	175.6	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	6	Wet Cut
E15-34-S1	Tributary to Henry Creek	176.2	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	4	Wet Cut
E15-7-S1	Tributary to Maumee River	177.3	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	11	Dry Cut
D14-45A-S1	Tributary to Maumee River	178.1	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	8	Bore
E15-8-S1	Tributary to Maumee River	179.9	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	4	HDD
D15-101-S1	Tributary to Maumee River	180.0	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	40	HDD
D15-99-S1	Tributary to Maumee River	180.1	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	3	HDD
E14-46-S1	Tributary to Maumee River	180.7	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	5	Wet Cut
E14-44-S1	Tributary to Maumee River	180.8	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	10	Wet Cut
E14-47-S1	Tributary to Maumee River	181.0	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	2.5	Wet Cut

APPENDIX H-2 (cont'd)

Waterbodies Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Flow Type [a]	FERC Classification [b]	State Water Quality Classification [c]	State Water Supply Classification [d]	State Recreation Classification [e]	Waterbody Width (feet) [f]	Proposed Construction Method [g]
Wood and Lucas Counties, OH									
E14-55-S1	Maumee River	181.6	Perennial	Major	WWH	AWS and IWS	Primary Contact A	857	HDD
Lucas County, OH									
D15-48-S1	Tributary to Maumee River	181.9	Intermittent	Minor	NA	NA	Primary Contact A	857	HDD
E14-116-S1	Blystone Ditch	182.7	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	10	Dry Cut
E14-29-S1	Suter Ditch	183.3	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	9	Wet Cut
AS-LU-2	Tributary to Whitemeir Ditch	183.4	Ephemeral	Intermediate	WWh	AWS and IWS	Primary Contact B	15	Bore
E14-1-S1	Whitemeir Ditch	183.6	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	10	Dry Cut
E14-37-S1	Estworthy Ditch	183.7	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	10	Dry Cut
E14-38-S1	Disher Ditch	184.1	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	12	Dry Cut
E14-39-S1	Harris Ditch	185.3	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	18	Bore
E14-22-S1	Tributary to Ruhm Ditch	186.6	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	12	Wet Cut
E15-21-S1	Doran Ditch	187.3	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	10	Dry Cut
D15-1-S1	Yawberg Ditch	187.5	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	12	Dry Cut
D15-91-S1	Jeffers Ditch	187.7	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	10	Wet Cut
E15-9-S1	Laver Ditch	188.1	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	6	Wet Cut
Henry County, OH									
E15-29-S1	Tributary to Harris Ditch	189.5	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	6	Wet Cut
D15-56-S1	Tributary to Aumend Ditch	189.7	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	10	Dry Cut
D15-7-S2	Tributary to Blue Creek	190.2	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	9	Dry Cut
D15-7-S1	Tributary to Blue Creek	190.2	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	6	Bore
D15-7-S1	Tributary to Blue Creek	190.2	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	6	Bore
Fulton County, OH									
E15-14-S1	Blue Creek	190.9	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	23	Dry Cut
E15-14-S2	Tributary to Blue Creek	191.1	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	4	Wet Cut
E15-45-S1	Tributary to Blue Creek	191.6	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	20	Dry Cut
D15-110-S1	Tributary to Blue Creek	192.3	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	9	Dry Cut
D15-111-S1	Tributary to Blue Creek	193.2	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	12	Dry Cut
D15-60-S1	Tributary to Fewless Creek	193.9	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	10	Dry Cut
E15-37-S1	Tributary to Fewless Creek	195.0	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	35	Dry Cut
E15-36-S1	Fewless Creek	195.2	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	37	Dry Cut
D15-61-S1	Tributary to Fewless Creek	195.9	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	15	Wet Cut
D15-17-S1	Swan Creek	196.4	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	20	Bore

APPENDIX H-2 (cont'd)

Waterbodies Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Flow Type [a]	FERC Classification [b]	State Water Quality Classification [c]	State Water Supply Classification [d]	State Recreation Classification [e]	Waterbody Width (feet) [f]	Proposed Construction Method [g]
D15-9-S1	Tributary to Swan Creek	197.3	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	12	Wet Cut
D15-98-S1	Tributary to Swan Creek	197.5	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	12	Dry Cut
D15-60A-S1	Tributary to Fewless Creek	197.9	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	12	Bore
D15-10-S1	Tributary to Swan Creek	198.6	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	12	Dry Cut
D15-13-S1	Tributary to Swan Creek	199.1	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	15	Bore
E14-4-S1	Ai Creek	200.8	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	25	Dry Cut
E15-19-S1	Frankfort Ditch	202.1	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	6	Wet Cut
D14-24-S1	Tributary to McNett Ditch	202.7	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	5	Bore
E14-112-S1	McNett Ditch	203.4	Ephemeral	Intermediate	WWH	AWS and IWS	Primary Contact B	11	Wet Cut
D14-44-S1	Tributary to Langenderfer Ditch	203.9	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	15	Dry Cut
E14-53-S1	Tributary to Langenderfer Ditch	205.2	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	12	Dry Cut
D15-82-S1	Tributary to Langenderfer Ditch	205.6	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	10	Dry Cut
D15-83-S1	Tributary to Langenderfer Ditch	206.0	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	10	Bore
E14-11-S1	Tributary to Schmitz Ditch	206.2	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	20	Dry Cut
E14-12-S1	Tributary to Tenmile Creek	207.0	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	8	Bore
D14-45-S1	Tenmile Creek	207.9	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	20	Dry Cut
Lenawee County, MI									
E14-113-S1	Tributary to Tenmile Creek	208.7	Intermittent	Intermediate	WWH	AWS and IWS	Partial/Total	14	Dry Cut
E14-114-S1	Tributary to Tenmile Creek	209.0	Intermittent	Intermediate	WWH	AWS and IWS	Partial/Total	11	Bore
AS-LE-607	Tributary to Tenmile Creek	210.0	Intermittent	Minor	WWH	AWS and IWS	Partial/Total	4	Bore
AS-LE-607	Tributary to Tenmile Creek	210.0	Intermittent	Minor	WWH	AWS and IWS	Partial/Total	5	Bore
E14-78-S1	Tributary to Tenmile Creek	211.0	Ephemeral	Minor	WWH	AWS and IWS	Partial/Total	4	Wet Cut
E14-56-S1	Tributary to Clement Drain	212.0	Ephemeral	Minor	WWH	AWS and IWS	Partial/Total	8	Wet Cut
E14-137-S1	Tributary to Clement Drain	213.0	Intermittent	Minor	WWH	AWS and IWS	Partial/Total	8	Dry Cut
E14-138-S1	Tributary to Clement Drain	213.5	Intermittent	Intermediate	WWH	AWS and IWS	Partial/Total	11	Wet Cut
E14-139-S1	Tributary to Clement Drain	214.0	Perennial	Minor	WWH	AWS and IWS	Partial/Total	8	Dry Cut
E14-140-S1	River Raisin	215.2	Perennial	Intermediate	WWH	AWS and IWS	Partial/Total	80	HDD
D15-28-S1	Tributary to River Raisin	215.8	Intermittent	Minor	WWH	AWS and IWS	Partial/Total	7	Dry Cut
AS-LE-5	Tributary to River Raisin	216.3	Ephemeral	Minor	WWH	AWS and IWS	Partial/Total	7	Dry Cut
E14-58-S1	Goodrich Drain	216.8	Intermittent	Intermediate	WWH	AWS and IWS	Partial/Total	15	Dry Cut

APPENDIX H-2 (cont'd)

Waterbodies Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Flow Type [a]	FERC Classification [b]	State Water Quality Classification [c]	State Water Supply Classification [d]	State Recreation Classification [e]	Waterbody Width (feet) [f]	Proposed Construction Method [g]
AS-LE-7	Tributary to Goodrich Drain	217.1	Intermittent	Minor	WWH	AWS and IWS	Partial/Total	7	Bore
E14-59-S1	Tributary to Goodrich Drain	217.5	Intermittent	Intermediate	WWH	AWS and IWS	Partial/Total	16	Dry Cut
AS-LE-8	Hill Drain	218.1	Intermittent	Intermediate	WWH	AWS and IWS	Partial/Total	13	Dry Cut
E14-141-S1	Pease Drain	218.5	Intermittent	Intermediate	WWH	AWS and IWS	Partial/Total	12	Dry Cut
E14-142-S1	Colvin Drain	218.8	Intermittent	Intermediate	WWH	AWS and IWS	Partial/Total	11	Dry Cut
AS-LE-9	Tributary to Little River Raisin	219.6	Ephemeral	Minor	WWH	AWS and IWS	Partial/Total	5	Bore
AS-LE-10	Tributary to Little River Raisin	220.1	Ephemeral	Minor	WWH	AWS and IWS	Partial/Total	5	Bore
E14-143-S1	Little River Raisin	220.5	Perennial	Intermediate	WWH	AWS and IWS	Partial/Total	18	Dry Cut
E14-64-S1	Fry Drain	220.7	Intermittent	Intermediate	WWH	AWS and IWS	Partial/Total	13	Dry Cut
E14-69-S1	Isley Drain	222.1	Ephemeral	Intermediate	WWH	AWS and IWS	Partial/Total	15	Dry Cut
E14-76-S1	Swamp Raisin Creek	222.5	Intermittent	Intermediate	WWH	AWS and IWS	Partial/Total	23	Dry Cut
E14-77-S1	Tributary to Swamp Raisin Creek	222.7	Intermittent	Intermediate	WWH	AWS and IWS	Partial/Total	11	Dry Cut
E14-145-S1	Spring Brook	223.2	Perennial	Intermediate	WWH	AWS and IWS	Partial/Total	20	Dry Cut
E14-171-S1	Schwab Drain	223.8	Perennial	Intermediate	WWH	AWS and IWS	Partial/Total	12	Dry Cut
E14-70-S1	Kelly Drain	224.4	Perennial	Intermediate	WWH	AWS and IWS	Partial/Total	15	Bore
D15-38-S1	Wilson Drain	225.1	Intermittent	Intermediate	WWH	AWS and IWS	Partial/Total	20	Dry Cut
E14-146-S1	Tributary to South Branch Macon Creek	225.6	Intermittent	Intermediate	WWH	AWS and IWS	Partial/Total	13	Dry Cut
E14-147-S1	Dibble Drain	225.8	Perennial	Intermediate	WWH	AWS and IWS	Partial/Total	16	Dry Cut
E14-127-S1	South Branch Macon Creek	226.4	Perennial	Intermediate	WWH	AWS and IWS	Partial/Total	22	Dry Cut
E14-126-S1	Tributary to South Branch Macon Creek	226.7	Perennial	Intermediate	WWH	AWS and IWS	Partial/Total	22	Dry Cut
E14-74-S1	Schreeder Brook	226.8	Ephemeral	Minor	WWH	AWS and IWS	Partial/Total	10	Dry Cut
E14-75-S1	Tributary to Wahoo Prairie Drain	227.0	Ephemeral	Minor	WWH	AWS and IWS	Partial/Total	10	Dry Cut
E14-60-S1	Wahoo Prairie Drain	228.2	Intermittent	Intermediate	WWH	AWS and IWS	Partial/Total	18	Dry Cut
E14-149-S1	Tributary to Middle Branch Macon Creek	228.8	Intermittent	Intermediate	WWH	AWS and IWS	Partial/Total	13	Dry Cut
E14-150-S1	Tributary to Macon Creek	229.4	Intermittent	Intermediate	WWH	AWS and IWS	Partial/Total	14	Dry Cut
E14-87-S1	Macon Creek	229.5	Perennial	Intermediate	WWH	AWS and IWS	Partial/Total	28	Dry Cut
E14-87-S2	Tributary to Macon Creek	229.5	Ephemeral	Minor	WWH	AWS and IWS	Partial/Total	3	N/A

APPENDIX H-2 (cont'd)

Waterbodies Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Flow Type [a]	FERC Classification [b]	State Water Quality Classification [c]	State Water Supply Classification [d]	State Recreation Classification [e]	Waterbody Width (feet) [f]	Proposed Construction Method [g]
E14-61-S1	Tributary to Richardson Drain	229.8	Intermittent	Intermediate	WWH	AWS and IWS	Partial/Total	20	Dry Cut
E14-62-S1	Tributary to Richardson Drain	230.4	Ephemeral	Minor	WWH	AWS and IWS	Partial/Total	5	N/A
Monroe County, MI									
E14-63-S1	Tributary to Richardson Drain	230.7	Intermittent	Intermediate	WWH	AWS and IWS	Partial/Total	16	Dry Cut
AS-MO-1	Richardson Drain	231.4	Intermittent	Intermediate	WWH	AWS and IWS	Partial/Total	15	Dry Cut
E14-65-S1	Bear Swamp Creek	231.9	Perennial	Intermediate	WWH	AWS and IWS	Partial/Total	12	Dry Cut
E14-66-S1	Tributary to Bear Swamp Creek	232.4	Ephemeral	Minor	WWH	AWS and IWS	Partial/Total	8	Dry Cut
E14-67-S1	Tributary to Bear Swamp Creek	232.5	Ephemeral	Minor	WWH	AWS and IWS	Partial/Total	6	Bore
D15-132-S1	Tributary to Cone Drain	233.1	Ephemeral	Minor	WWH	AWS and IWS	Partial/Total	3	Bore
D15-40-S1	Cone Drain	233.3	Intermittent	Intermediate	WWH	AWS and IWS	Partial/Total	25	Dry Cut
AS-MO-2	Tributary to Center Creek	233.7	Intermittent	Intermediate	WWH	AWS and IWS	Partial/Total	15	Dry Cut
D15-117-S2	Tributary to Center Creek	234.3	Intermittent	Minor	WWH	AWS and IWS	Partial/Total	2	Bore
AS-MO-400	Center Creek	234.4	Perennial	Intermediate	WWH	AWS and IWS	Partial/Total	15	Dry Cut
D15-133-S1	Tributary to North Branch Macon Creek	235.4	Ephemeral	Intermediate	WWH	AWS and IWS	Partial/Total	12	Dry Cut
D15-128-S1	North Branch Macon Creek	236.0	Perennial	Intermediate	WWH	AWS and IWS	Partial/Total	20	Dry Cut
D15-134-S1	Tributary to North Branch Macon Creek	236.3	Intermittent	Minor	WWH	AWS and IWS	Partial/Total	5	Bore
Washtenaw County, MI									
E14-157-S1	Saline River	237.5	Perennial	Intermediate	WWH	AWS and IWS	Partial/Total	60	HDD
E14-159-S1	Tributary to McIntyre Drain	238.2	Ephemeral	Minor	WWH	AWS and IWS	Partial/Total	8	Bore
E14-88-S1	McIntyre Drain	239.1	Intermittent	Minor	WWH	AWS and IWS	Partial/Total	7	Dry Cut
E14-89-S1	Tributary to McIntyre Drain	239.2	Intermittent	Intermediate	WWH	AWS and IWS	Partial/Total	12	Dry Cut
E14-90-S1	Tributary to McIntyre Drain	239.3	Ephemeral	Intermediate	WWH	AWS and IWS	Partial/Total	16	Bore
E14-165-S1	Tributary to McIntyre Drain	239.3	Ephemeral	Minor	WWH	AWS and IWS	Partial/Total	8	Bore
E14-91-S1	Tributary to Sugar Creek	239.7	Perennial	Intermediate	WWH	AWS and IWS	Partial/Total	15	Dry Cut
E14-92-S1	Sugar Creek	239.8	Perennial	Intermediate	WWH	AWS and IWS	Partial/Total	11	Dry Cut
E14-93-S1	Tributary to Buck Creek	240.6	Intermittent	Minor	WWH	AWS and IWS	Partial/Total	10	Dry Cut
E14-128-S3	Tributary to Buck Creek	240.8	Ephemeral	Minor	WWH	AWS and IWS	Partial/Total	4	N/A
E14-128-S1	Buck Creek	240.8	Perennial	Intermediate	WWH	AWS and IWS	Partial/Total	13	Dry Cut

APPENDIX H-2 (cont'd)

Waterbodies Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Flow Type [a]	FERC Classification [b]	State Water Quality Classification [c]	State Water Supply Classification [d]	State Recreation Classification [e]	Waterbody Width (feet) [f]	Proposed Construction Method [g]
E14-160-S1	Tributary to Stony Creek	241.5	Intermittent	Intermediate	WWH	AWS and IWS	Partial/Total	12	Dry Cut
E14-131-S1	Tributary to Stony Creek	242.3	Ephemeral	Minor	WWH	AWS and IWS	Partial/Total	6	Wet Cut
E14-132-S1	Stony Creek	242.4	Perennial	Minor	WWH	AWS and IWS	Partial/Total	8	Dry Cut
E14-161-S1	Tributary to McCarthy Drain	243.8	Intermittent	Minor	WWH	AWS and IWS	Partial/Total	10	Dry Cut
E14-135-S1	McCarthy Drain	244.2	Perennial	Minor	WWH	AWS and IWS	Partial/Total	9.5	Dry Cut
E14-162-S1	West Branch Paint Creek	244.7	Perennial	Intermediate	WWH	AWS and IWS	Partial/Total	14	Dry Cut
E15-13-S1	Tributary to West Branch Paint Creek	245.0	Intermittent	Minor	WWH	AWS and IWS	Partial/Total	6	Bore
E14-99-S1	Tributary to Bird Drain	245.0	Ephemeral	Minor	WWH	AWS and IWS	Partial/Total	5	Wet Cut
D15-122-S1	Tributary to Bird Drain	245.8	Ephemeral	Minor	WWH	AWS and IWS	Partial/Total	6	N/A
E14-164-S1/ AS-WA-6	Paint Creek	246.3	Perennial	Intermediate	WWH	AWS and IWS	Partial/Total	25	Dry Cut
E14-176-S1	Tributary to Paint Creek	246.6	Intermittent	Minor	WWH	AWS and IWS	Partial/Total	7	Dry Cut
D15-30-S1	Tributary to Bradshaw Drain	247.2	Perennial	Intermediate	WWH	AWS and IWS	Partial/Total	15	Dry Cut
D15-29-S1	Tributary to North Branch Swan Creek	248.2	Ephemeral	Minor	WWH	AWS and IWS	Partial/Total	5	Bore
E15-40-S1	Tributary to North Branch Swan Creek	248.4	Intermittent	Minor	WWH	AWS and IWS	Partial/Total	8	Dry Cut
E14-102-S1	Tributary to North Branch Swan Creek	248.9	Intermittent	Intermediate	WWH	AWS and IWS	Partial/Total	14	N/A
D15-21-S1	Huron River	250.9	Perennial	Major	WWH	AWS and IWS	Partial/Total	200	HDD
D15-25-S1	Tributary to Willow Run	251.8	Intermittent	Intermediate	WWH	AWS and IWS	Partial/Total	15	Dry Cut
E15-25-WB	Willow Run	253.4	Pond	Major	WWH	AWS and IWS	Partial/Total	140	Dry Cut
E15-25-WB/ AP-WA-502	Willow Run	253.6	Pond	Major	WWH	AWS and IWS	Partial/Total	140	Dry Cut
AS-WA-401	NA	254.3	NA	NA	NA	NA	NA	0	NA
D15-77-S1	Tributary to Willow Run	254.8	Ephemeral	Minor	WWH	AWS and IWS	Partial/Total	5	N/A
D15-43-WB2	Tributary to Willow Run	254.9	Pond	Major	WWH	AWS and IWS	Partial/Total	330	Dry Cut
D15-43-S2	Tributary to Willow Run	254.9	Perennial	Minor	WWH	AWS and IWS	Partial/Total	6	N/A
D15-43-S1	Tributary to Willow Run	255.0	Perennial	Intermediate	WWH	AWS and IWS	Partial/Total	15	Dry Cut
TGP interconnect									
Columbiana County, OH									
B15-17-S2	Tributary to Brush Creek	0.7	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	4	Dry Cut
B15-17-S2	Tributary to Brush Creek	0.7	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	4	Dry Cut

APPENDIX H-2 (cont'd)

Waterbodies Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Flow Type [a]	FERC Classification [b]	State Water Quality Classification [c]	State Water Supply Classification [d]	State Recreation Classification [e]	Waterbody Width (feet) [f]	Proposed Construction Method [g]
Access Roads									
Stark County, OH									
B15-109-S1 (TAR-15.4)	Tributary to Beech Creek	15.5	Intermittent	Intermediate	WWH	AWS and IWS	Primary Contact B	11	Bridge
B15-118-S1 (TAR-23.1)	NA	23.1	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	2.5	Bridge
Summit County, OH									
C15-102-S1 (TAR-44.1)	Tributary to Nimisila Creek	44.1	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	13	Dry Cut
Medina County, OH									
B15-83-S1 (TAR-64.9)	Tributary to Hubbard Creek	65.0	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	3	Bridge
C15-108-S1 (TAR-72.8)	Tributary to Mallet Creek	72.8	Ephemeral	Minor	WWH	AWS and IWS	Primary Contact B	4	Bridge
Erie County, OH									
E14-51-S1 (TAR-128.3)	Tributary to Mills Creek	128.4	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	15	Bridge
E14-51-S3 (TAR-128.3)	Tributary to Mills Creek	128.4	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	5	Bridge
Wood County, OH									
D15-118-S1 (TAR-171.2)	Tributary to Packer Creek	171.2	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	4	Bridge
Lenawee County, MI									
D15-126-S1 (TAR-228)	Tributary to Middle Branch Macon Creek	228.6	Intermittent	Minor	WWH	AWS and IWS	Partial/Total	6	Bridge
Washtenaw County, MI									
D15-29-S1 (TAR-248.1)	Tributary to North Branch Swan Creek	248.2	Ephemeral	Minor	WWH	AWS and IWS	Partial/Total	5	Bore
TEAL PROJECT									
Loopline									
Monroe County, OH									
A15-03-S1/ A15-24-S1	Paine Run	0.8	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	20	Dry
A15-04-S1	Trib to Paine Run	0.8	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	6	Open
A15-07-S1	Trib to Paine Run	1.2	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	5	Open
A15-08-S1	Trib to Paine Run	1.6	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	4.5	Open

APPENDIX H-2 (cont'd)

Waterbodies Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Flow Type [a]	FERC Classification [b]	State Water Quality Classification [c]	State Water Supply Classification [d]	State Recreation Classification [e]	Waterbody Width (feet) [f]	Proposed Construction Method [g]
A15-10-S1	Trib to Paine Run	1.9	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	25	Dry
A15-11-S1	Trib to Paine Run	2.2	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	5	N/A
A15-11-S2	Trib to Paine Run	2.2	Perennial	Intermediate	WWH	AWS and IWS	Primary Contact B	15	Dry
A15-12-S1	Trib to Paine Run	2.4	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	4	Open
A15-14-S1	Trib to Salem Run	2.9	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	4.8	Open
A15-15-S1	Trib to Salem Run	3.0	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	5	Open
A15-15-S2	Trib to Salem Run	3.0	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	3.3	Open
A15-18-S2	Trib to Stillhouse Run	4.2	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	6	Open
A15-18-S1	Stillhouse Run	4.3	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	4	Open
A15-19-S1	Trib to Stillhouse Run	4.3	Intermittent	Minor	WWH	AWS and IWS	Primary Contact B	3	Open
Connecting Pipeline									
Columbiana County, OH									
B15-17-S2	Trib to Brush Creek	0.2	Perennial	Minor	WWH	AWS and IWS	Primary Contact B	4	Open

a Flow types:
Perennial – streams that flow continuously.
Intermittent – streams which flow only at certain times of the year when they receive water from springs or from some surface source such as melting snow in mountainous areas.
Ephemeral – streams that flow only in direct response to precipitation and whose channel is at all times above the water table.

b Minor – waterbodies less than or equal to 10 feet wide; Intermediate = waterbodies greater than 10 feet wide but less than or equal to 100 feet wide; Major = greater than 100 feet wide.

c WWH (Warmwater Habitat) – waters capable of supporting and maintaining a community of warmwater aquatic organisms
MWH (Modified Warmwater Habitat) – modified habitats capable of supporting a warmwater biological community, but fall short due primarily to altered macrohabitats.

d The states of Michigan and Ohio assume that all streams support agricultural and industrial uses. Only water supply designation types that are crossed by the NEXUS Project are defined below:
AWS (Agricultural) – waters suitable for irrigation and livestock watering without treatment.
IWS (Industrial) – waters suitable for commercial and industrial uses, with or without treatment.

e Primary Contact B – waters in Ohio that support, or potentially support, occasional Primary Contact Recreation activities. All surface waters of the state are designated as class B Primary Contact Recreation unless otherwise designated.
Partial – waters in Michigan that support, or potentially support, occasional partial body contact Recreation activities. Partial body recreation activities include paddling, canoeing, kayaking, etc. and are protected in all surface waters year round in Michigan.
Total – waters in Michigan that support, or potentially support, occasional total body contact Recreation activities. Total body contact recreation activities include activities such as swimming, and all surface waters in Michigan are protected from May 1 through October 1 for such activities.

f Waterbody widths estimated based on the average width located within NGT Project study corridor.

g Waterbodies located within the construction workspace but will not be crossed by the pipeline are listed as N/A (not applicable).

APPENDIX H-3

SURFACE PUBLIC WATER SUPPLY PROTECTION AREAS CROSSED BY THE NGT AND TEAL PROJECTS

APPENDIX H-3

Surface Public Water Supply Protection Areas Crossed by the NGT and TEAL Projects

Project, Facility	County	Milepost Start	Milepost End	Source	Municipality, County (Original)
NGT PROJECT					
TGP Interconnect					
	Columbiana County, OH	0	0.9	Ohio River	Wellsville, Columbiana Cincinnati, Hamilton East Liverpool, Columbiana Ironton, Lawrence Portsmouth, Scioto Steubenville, Jefferson Toronto, Jefferson
Mainline					
	Columbiana County, OH	0	7.6	Ohio River	Cincinnati, Hamilton Ironton, Lawrence Portsmouth, Scioto Alliance, Stark
				Mahoning River	Sebring, Mahoning Newton Falls, Trumbull Wellsville, Columbiana
		7.6	8.8	Ohio River	Cincinnati, Hamilton East Liverpool, Columbiana Ironton, Lawrence Portsmouth, Scioto Stuebenville, Jefferson Toronto, Jefferson
	Columbiana and Stark Counties, OH	8.8	14.3	Ohio River	Cincinnati, Hamilton Ironton, Lawrence Portsmouth, Scioto
				Mahoning River	Newton Falls, Trumbull Wellsville, Columbiana
	Stark County, OH	14.3	21.2	Ohio River	Cincinnati, Hamilton East Liverpool, Columbiana Ironton, Lawrence Portsmouth, Scioto Stuebenville, Jefferson Toronto, Jefferson
	Stark, Summit, Wayne, and Medina Counties, OH	21.2	73.2	Ohio River	Cincinnati, Hamilton Ironton, Lawrence Portsmouth, Scioto
	Lorain County, OH	91.4	94.7	West Branch of Black River Reservoir	Oberlin, Lorain
	Fulton County, OH	193.7	197.8	Swanton Reservoir	Swanton, Fulton

APPENDIX H-3 (cont'd)

Surface Public Water Supply Protection Areas Crossed by the NGT and TEAL Projects

Project, Facility	County	Milepost Start	Milepost End	Source	Municipality, County (Original)
Aboveground Facilities					
TGP MR01 Station	Columbiana County, OH	0	0.1	Ohio River	Wellsville, Columbiana Cincinnati, Hamilton East Liverpool, Columbiana Ironton, Lawrence Portsmouth, Scioto Steubenville, Jefferson Toronto, Jefferson
TGP MR02 (Kensington)	Columbiana County, OH	0	0.1	Ohio River	Wellsville, Columbiana Cincinnati, Hamilton East Liverpool, Columbiana Ironton, Lawrence Portsmouth, Scioto Steubenville, Jefferson Toronto, Jefferson
MR03 (Texas Eastern)	Columbiana County, OH	0.8	0.9	Ohio River	Cincinnati, Hamilton East Liverpool, Columbiana Ironton, Lawrence Portsmouth, Scioto Steubenville, Jefferson Toronto, Jefferson
Hanoverton Compressor Station (CS1)	Columbiana County, OH	1.3	1.5	Ohio River	Cincinnati, Hamilton Ironton, Lawrence Portsmouth, Scioto
Wadsworth Compressor Station (CS2)	Columbiana County, OH	63.3	63.6	Ohio River	Cincinnati, Hamilton Ironton, Lawrence Portsmouth, Scioto
TEAL PROJECT					
Loopline					
	Monroe County, OH	0.0	4.4	Ohio River	Cincinnati Public Water System, Hamilton Ironton PWS, Lawrence Portsmouth Public Water System, Scioto
Interconnecting Pipeline					
	Columbiana County, OH	0.0	0.3	Ohio River	Cincinnati Public Water System, Hamilton East Liverpool City, Columbiana Ironton PWS, Lawrence Portsmouth Public Water System, Scioto
Aboveground Facilities					
	Jefferson and Belmont Counties, OH	N/A	N/A	Ohio River	Cincinnati Public Water System, Hamilton Ironton PWS, Lawrence Portsmouth Public Water System, Scioto

Sources: OEPA (2016); USGS and MDEQ (2002).

APPENDIX H-4

IMPAIRED SURFACE WATERS CROSSED BY THE NGT AND TEAL PROJECTS

APPENDIX H-4

Impaired Surface Waters Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Beneficial Use Impaired
NGT PROJECT			
Mainline			
Columbiana County, OH			
B15-17-S2	Tributary to Brush Creek	0.1	Aquatic Health
B15-17-S3	Tributary to Brush Creek [a]	0.1	Aquatic Health
B15-17-S4	Tributary to Brush Creek [a]	0.1	Aquatic Health
B15-28-S1	Tributary to Sandy Creek	0.7	Human Health, Recreation, Aquatic Health
B15-29-S1	Tributary to Sandy Creek	1.0	Human Health, Recreation, Aquatic Health
A14-5-S4	Tributary to Sandy Creek	2.0	Human Health, Recreation, Aquatic Health
A14-5-S3	Tributary to Sandy Creek	2.2	Human Health, Recreation, Aquatic Health
A14-8-S1	Tributary to Sandy Creek	3.9	Human Health, Recreation, Aquatic Health
A14-10-S1	Conser Run	4.9	Human Health, Recreation, Aquatic Health
A14-10-S2	Tributary Conser Run [a]	5.0	Human Health, Recreation, Aquatic Health
A14-11-S1	Tributary to Conser Run	5.3	Human Health, Recreation, Aquatic Health
A14-126-S1	Tributary to Conser Run [a]	5.6	Human Health, Recreation, Aquatic Health
A14-127-S1	Tributary to Conser Run	5.7	Human Health, Recreation, Aquatic Health
A14-12-S1	Tributary to Conser Run	6.5	Human Health, Recreation, Aquatic Health
B15-33-S1	Tributary to Lake Placentia	7.7	Recreation, Aquatic Health
A14-196-S1	Tributary to Middle Branch Sandy Creek	9.8	Human Health, Recreation
A14-13-S1	Tributary to Middle Branch Sandy Creek	10.1	Human Health, Recreation
A14-15-S1	Tributary to Middle Branch Sandy Creek	10.6	Human Health, Recreation
C15-65-S1	Tributary to Middle Branch Sandy Creek	11.0	Human Health, Recreation
A15-34-S1	Tributary to Middle Branch Sandy Creek	11.2	Human Health, Recreation
A15-34-S2	Sandy Creek	11.2	Human Health, Recreation
A14-17-S4	Tributary to Middle Branch Sandy Creek	11.8	Human Health, Recreation
A14-165-S2	Tributary to Woodland Lake	12.3	Human Health, Recreation
A14-165-S1	Tributary to Woodland Lake	12.3	Human Health, Recreation
Stark County, OH			
B15-63-S1	Tributary to Middle Branch Sandy Creek	13.4	Human Health, Recreation
B15-66-S1	Tributary to Middle Branch Sandy Creek	13.7	Human Health, Recreation
A15-47-S1	Tributary to Middle Branch Sandy Creek	13.9	Human Health, Recreation
B15-54-S2	Tributary to Middle Branch Sandy Creek	14.0	Human Health, Recreation
C15-92-S1	Tributary to Beech Creek [a]	15.3	Recreation, Aquatic Health
B15-109-S1	Tributary to Beech Creek [a]	15.5	Recreation, Aquatic Health
C15-116-S3	Tributary to Beech Creek	16.8	Recreation, Aquatic Health
C15-116-S5	Tributary to Beech Creek [a]	16.8	Recreation, Aquatic Health
C15-116-S2	Beech Creek	17.1	Recreation, Aquatic Health
C15-116-S1	Tributary to Beech Creek	17.2	Recreation, Aquatic Health
A14-105-S1	Tributary to Beech Creek	17.8	Recreation, Aquatic Health
A14-103-S1	Tributary to Beech Creek	18.2	Recreation, Aquatic Health

APPENDIX H-4 (cont'd)

Impaired Surface Waters Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Beneficial Use Impaired
C15-87-S1	Tributary to Beech Creek	19.4	Recreation, Aquatic Health
C15-87-S2	Tributary to Beech Creek	19.4	Recreation, Aquatic Health
A15-36-S1	Tributary to Red Pine Lake	20.5	Recreation, Aquatic Health
A15-36-S2	Tributary to Red Pine Lake [a]	20.5	Recreation, Aquatic Health
A14-25-S1	Middle Branch Nimishillen Creek	21.8	Human Health, Recreation, Aquatic Health
B15-41-S1	Tributary to Middle Branch Nimishillen Creek	22.0	Human Health, Recreation, Aquatic Health
B15-40-S1	Tributary to Middle Branch Nimishillen Creek	22.3	Human Health, Recreation, Aquatic Health
A14-175-S1	Tributary to Middle Branch Nimishillen Creek	22.8	Human Health, Recreation, Aquatic Health
A14-174-S1	Tributary to Middle Branch Nimishillen Creek	23.0	Human Health, Recreation, Aquatic Health
B15-118-S1	NA [a]	23.1	Human Health, Recreation, Aquatic Health
A14-27-S1	Tributary to Middle Branch Nimishillen River	24.1	Human Health, Recreation, Aquatic Health
A14-161-S1	Tributary to Middle Branch Nimishillen Creek	24.6	Human Health, Recreation, Aquatic Health
A14-161-S2	Tributary to Middle Branch Nimishillen River	24.6	Human Health, Recreation, Aquatic Health
A14-31-S1	Tributary to Middle Branch Nimishillen Creek	25.8	Human Health, Recreation, Aquatic Health
A14-100-S1	Tributary to Nimishillen Creek	26.7	Human Health, Recreation, Aquatic Health
B15-75-S1	Middle Branch Nimishillen Creek	26.8	Human Health, Recreation, Aquatic Health
B15-75-S1	Middle Branch Nimishillen Creek [a]	26.8	Human Health, Recreation, Aquatic Health
B15-45-S1	Tributary to Swartz Ditch	27.7	Human Health, Recreation, Aquatic Health
A14-168-S1	Tributary to West Branch Nimishillen Creek	28.9	Human Health, Recreation, Aquatic Health
B15-98-S1	Tributary to West Branck Nimishillen Creek	29.0	Human Health, Recreation, Aquatic Health
B15-101-S1	Tributary to West Branch Nimishillen Creek	29.3	Human Health, Recreation, Aquatic Health
B15-103-S1	Tributary to West Branch Nimishillen Creek	29.6	Human Health, Recreation, Aquatic Health
A14-157-S1	Tributary to West Branch Nimishillen Creek	30.3	Human Health, Recreation, Aquatic Health
A14-159-S1	Tributary to West Branch Nimishillen Creek	30.7	Human Health, Recreation, Aquatic Health
A14-158-S1	Tributary to West Branch Nimishillen Creek	30.9	Human Health, Recreation, Aquatic Health
A14-162-S1	Tributary to West Branch Nimishillen Creek	31.5	Human Health, Recreation, Aquatic Health
A14-163-S1	Tributary to West Branch Nimishillen Creek	31.6	Human Health, Recreation, Aquatic Health
A14-164-S2	West Branch Nimishillen Creek	32.0	Human Health, Recreation, Aquatic Health
A14-164-S1	Tributary to West Branch Nimishillen Creek	32.2	Human Health, Recreation, Aquatic Health
A15-68-S1	Tributary to Tuscarawas River	33.8	Human Health, Recreation, Aquatic Health

APPENDIX H-4 (cont'd)

Impaired Surface Waters Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Beneficial Use Impaired
Summit County, OH			
A15-71-S1	Tributary to Tuscarawas River	34.7	Human Health, Recreation, Aquatic Health
AS-SU-210	Tributary to Tuscarawas River	34.9	Human Health, Recreation, Aquatic Health
B15-68-S1	Tributary to Tuscarawas River	35.1	Human Health, Recreation, Aquatic Health
AS-SU-401	Tributary to Tuscarawas River	36.1	Human Health, Recreation, Aquatic Health
C15-106-S1	Tributary to Willowdale Lake	36.8	Recreation, Aquatic Health
B15-108-WB1	Tributary to Willowdale Lake [a]	36.9	Recreation, Aquatic Health
C15-122-S1	Tributary to Willowdale Lake	37.1	Recreation, Aquatic Health
C15-120-S1	Tributary to Willowdale Lake	37.5	Recreation, Aquatic Health
C15-113-S1	Tributary to Singer Lake	38.7	Recreation, Aquatic Health
F15-1-S1	Tributary to Nimisila Reservoir	39.4	Recreation, Aquatic Health
A14-112-S1	Tributary to Nimisila Reservoir	39.5	Recreation, Aquatic Health
A14-112-S1A	Tributary to Nimisila Reservoir	39.9	Recreation, Aquatic Health
AP-SU-336	Tributary to Nimisila Reservoir [a]	40.6	Recreation, Aquatic Health
AS-SU-200	Nimisila Reservoir	40.8	Recreation, Aquatic Health
A14-122-S2	Nimisilla Creek	41.7	Human Health, Recreation
A14-122-S4	Tributary to Nimisila Creek [a]	41.7	Human Health, Recreation
A14-122-S3	Tributary to Nimisilla Creek [a]	41.7	Human Health, Recreation
A14-122-S5	Tributary to Nimisila Creek	41.9	Human Health, Recreation
A14-122-S1	Tributary to Nimisila Creek	42.0	Human Health, Recreation
AS-SU-18	Tributary to Nimisila Creek	42.5	Human Health, Recreation
A14-117-S1	Tributary to Nimisila Creek	43.3	Human Health, Recreation
A15-16-S2	Tributary to Nimisila Creek [a]	43.8	Human Health, Recreation
A15-95-S1/AS-SU-22	Tributary to Nimisila Creek	43.9	Human Health, Recreation
C15-102-S1	Tributary to Nimisila Creek	44.1	Human Health, Recreation
AS-SU-29	Tributary to Tuscarawas River	45.9	Human Health, Recreation, Aquatic Health
A14-119-S1	Tributary to Tuscarawas River	46.4	Human Health, Recreation, Aquatic Health
C15-25-S1	Tributary to Tuscarawas River	46.8	Human Health, Recreation, Aquatic Health
A15-13-S1	Tributary to Tuscarawas River [a]	46.8	Human Health, Recreation, Aquatic Health
A15-14-S1	Tributary to Tuscarawas River	47.0	Human Health, Recreation, Aquatic Health
C15-28-S1	Tuscarawas River	48.1	Human Health, Recreation, Aquatic Health
AS-SU-40	Pancake Creek	48.9	Human Health, Recreation, Aquatic Health
AS-SU-43	Tributary to Willowdale Lake	49.2	Human Health, Recreation, Aquatic Health
A14-41-S3	Tributary to Pancake Creek	49.6	Human Health, Recreation, Aquatic Health
A14-41-S2	Tributary to Pancake Creek	49.8	Human Health, Recreation, Aquatic Health
A14-41-S1	Tributary to Pancake Creek	50.0	Human Health, Recreation, Aquatic Health
A14-42-S1	Tributary to Pancake Creek	50.1	Human Health, Recreation, Aquatic Health
A14-42-S2	Tributary to Pancake Creek	50.1	Human Health, Recreation, Aquatic Health

APPENDIX H-4 (cont'd)

Impaired Surface Waters Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Beneficial Use Impaired
Wayne County, OH			
A15-20-S1	Tributary to Pancake Creek	50.5	Human Health, Recreation, Aquatic Health
A15-21-S2	Tributary to Silver Creek [a]	51.5	Human Health, Recreation, Aquatic Health
A15-21-S1	Tributary to Silver Creek	51.6	Human Health, Recreation, Aquatic Health
C15-34-S1	Tributary to Silver Creek	52.2	Human Health, Recreation, Aquatic Health
A14-124-S2	Tributary to Silver Creek	52.6	Human Health, Recreation, Aquatic Health
A14-124-S1	Silver Creek	52.6	Human Health, Recreation, Aquatic Health
A15-52-S5	Tributary to Silver Creek	52.8	Human Health, Recreation, Aquatic Health
A15-52-S1	Tributary to Silver Creek	52.8	Human Health, Recreation, Aquatic Health
A15-53-S1	Tributary to Silver Creek	53.0	Human Health, Recreation, Aquatic Health
A15-54-S1	Tributary to Silver Creek [a]	53.0	Human Health, Recreation, Aquatic Health
B15-91-S1	Tributary to Silver Creek	53.5	Human Health, Recreation, Aquatic Health
B15-47-S1	Tributary to Mill Creek	54.9	Human Health, Recreation, Aquatic Health
A15-41-S1	Mill Creek	55.3	Human Health, Recreation, Aquatic Health
Medina County, OH			
B15-49-S1	Tributary to Styx River	57.2	Human Health, Recreation, Aquatic Health
Wayne County, OH			
B15-50-S3	Tributary to Styx River	57.2	Human Health, Recreation, Aquatic Health
B15-50-S2	Tributary to Styx River	57.3	Human Health, Recreation, Aquatic Health
AS-WA-603	NA [a]	57.3	Human Health, Recreation, Aquatic Health
B15-50-S1	Tributary to Styx River	57.4	Human Health, Recreation, Aquatic Health
B15-51-S1	Styx River	57.6	Human Health, Recreation, Aquatic Health
Medina County, OH			
B15-53-S1	Tributary to Styx River	57.7	Human Health, Recreation, Aquatic Health
B14-7-S1	Tributary to Styx River	58.4	Human Health, Recreation, Aquatic Health
A14-44-S1	Tributary to Styx River [a]	59.3	Human Health, Recreation, Aquatic Health
B15-02-S1	Tributary to Styx River	59.9	Human Health, Recreation, Aquatic Health
A14-39-S1	Tommy Run	60.7	Human Health, Recreation, Aquatic Health
A14-40-S1	Tributary to Tommy Run	60.9	Human Health, Recreation, Aquatic Health
A14-40-S2	Tributary to Tommy Run	60.9	Human Health, Recreation, Aquatic Health
B15-83-S1	Tributary to Hubbard Creek [a]	65.0	Human Health, Recreation, Aquatic Health
A14-116-S2	Tributary to Hubbard Creek	65.3	Human Health, Recreation, Aquatic Health
A14-116-S5	Tributary to Hubbard Creek	65.4	Human Health, Recreation, Aquatic Health
AS-ME-24	Tributary to Hubbard Creek	66.0	Human Health, Recreation, Aquatic Health
B14-4-S1	Tributary to Hubbard Creek	66.2	Human Health, Recreation, Aquatic Health
AS-ME-27	Tributary to Chippewa Creek	67.4	Human Health, Recreation, Aquatic Health
AS-ME-30	Tributary to Chippewa Creek	67.6	Human Health, Recreation, Aquatic Health
AS-ME-31	Tributary to Chippewa Creek	67.6	Human Health, Recreation, Aquatic Health
AS-ME-31A	Tributary to Chippewa Creek	67.7	Human Health, Recreation, Aquatic Health
B15-82-S1	Tributary to Chippewa Creek	67.9	Human Health, Recreation, Aquatic Health
AS-ME-34	Tributary to Chippewa Creek	68.1	Human Health, Recreation, Aquatic Health
A15-3-S1	McCabe Creek	68.8	Human Health, Recreation, Aquatic Health
C15-41-S1	Tributary to The Inlet	69.7	Human Health, Recreation, Aquatic Health
C15-6-S2	Tributary to The Inlet	69.9	Human Health, Recreation, Aquatic Health
C15-6-S1	Tributary to The Inlet	70.0	Human Health, Recreation, Aquatic Health
C15-42-S1	The Inlet	70.8	Human Health, Recreation, Aquatic Health
A15-72-S1	Tributary to The Inlet	70.9	Human Health, Recreation, Aquatic Health
C15-44-S1	Tributary to the Inlet	71.1	Human Health, Recreation, Aquatic Health

APPENDIX H-4 (cont'd)

Impaired Surface Waters Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Beneficial Use Impaired
A14-46-S2	Tributary to the Inlet	71.3	Human Health, Recreation, Aquatic Health
A14-46-S1	Tributary to the Inlet	71.4	Human Health, Recreation, Aquatic Health
B15-120-S1	NA	72.8	Human Health, Aquatic Health
C15-108-S1	Tributary to Mallet Creek [a]	72.8	Human Health, Aquatic Health
C15-24-S1	Tributary to Mallet Creek	72.9	Human Health, Aquatic Health
C15-24-S7	Tributary to Mallet Creek	73.3	Human Health, Aquatic Health
C15-24-S8	Tributary to Mallet Creek	73.4	Human Health, Aquatic Health
C15-24-S1-3	Mallet Creek	73.4	Human Health, Aquatic Health
C15-24-S1-3	Mallet Creek	73.5 [1]	Human Health, Aquatic Health
AS-ME-56	Tributary to Mallet Creek	73.7	Human Health, Aquatic Health
AS-ME-58A	Tributary to Mallet Creek	73.9	Human Health, Aquatic Health
B15-84-S1	Tributary to Mallet Creek	74.0	Human Health, Aquatic Health
B15-84-S2	Tributary to Mallet Creek	74.0 [1]	Human Health, Aquatic Health
B14-9-S1	Tributary to Mallet Creek	74.3 [1]	Human Health, Aquatic Health
B14-10-S1	Tributary to Mallet Creek	75.4	Human Health, Aquatic Health
B15-74-S3	Tributary to Mallet Creek	75.8	Human Health, Aquatic Health
B15-74-S1	Mallet Creek	76.0	Human Health, Aquatic Health
B15-74-S4	Tributary to Mallet Creek	76.3	Human Health, Aquatic Health
A15-76-S1	Tributary to Mallet Creek	76.9	Human Health, Aquatic Health
A15-76-S2	Tributary to Mallet Creek	77.0	Human Health, Aquatic Health
AS-ME-200	Tributary to Mallet Creek	78.0	Recreation, Aquatic Health
AS-ME-96	Tributary to West Branch Rocky River	78.9	Recreation, Aquatic Health
B15-85-S1	Tributary to West Branch Rocky River	79.1	Recreation, Aquatic Health
AS-ME-98	Tributary to West Branch Rocky River	79.4	Recreation, Aquatic Health
AS-ME-99	Tributary to West Branch Rocky River	79.5	Recreation, Aquatic Health
AS-LO-1	Tributary to East Branch Black River	80.3	Human Health, Recreation, Aquatic Health
B15-15-S1	Tributary to East Branch Black River	80.4	Human Health, Recreation, Aquatic Health
Lorain County, OH			
A15-28-S1	Tributary to East Branch Black River	81.4	Human Health, Recreation, Aquatic Health
A14-59-S1	Tributary to East Branch Black River [a]	82.0	Human Health, Recreation, Aquatic Health
A14-69-S6	Tributary to Salt Creek [a]	84.3	Human Health, Recreation, Aquatic Health
A14-69-S4	Salt Creek	84.4	Human Health, Recreation, Aquatic Health
A15-56-S1	Tributary to East Branch Black River	85.8	Human Health, Recreation, Aquatic Health
A15-63-S1	Tributary to East Branch Black River	86.0	Human Health, Recreation, Aquatic Health
A14-50-S1	East Branch Black River	86.7	Human Health, Recreation, Aquatic Health
B15-61-S1	Tributary to Finnegan Ditch	87.1	Human Health, Recreation, Aquatic Health
A14-55-S1	Tributary to Dent Ditch	87.3	Human Health, Recreation, Aquatic Health
B15-96-S1	Tributary to Dent Ditch	88.0	Human Health, Recreation, Aquatic Health
B15-97-S1	Tributary to Dent Ditch	88.2	Human Health, Recreation, Aquatic Health
A14-73-S1	King Ditch	88.6	Human Health, Recreation, Aquatic Health
A14-128-S1	Tributary to King Ditch	89.2	Human Health, Recreation, Aquatic Health

APPENDIX H-4 (cont'd)

Impaired Surface Waters Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Beneficial Use Impaired
A14-75-S1	Tributary to King Ditch	89.3	Human Health, Recreation, Aquatic Health
A14-75-S2	Tributary to King Ditch	89.3	Human Health, Recreation, Aquatic Health
A14-76-S1	Kelner Ditch	90.1	Human Health, Recreation, Aquatic Health
A14-76-S2	Tributary to Kelner Ditch [a]	90.1	Human Health, Recreation, Aquatic Health
AS-LO-402	Tributary to Elk Creek	91.2	Human Health, Recreation, Aquatic Health
C15-37-S1	Elk Creek	91.3	Human Health, Recreation, Aquatic Health
C15-35-S1	Wellington Creek	91.8	Recreation, Aquatic Health
C15-8-S2	Tributary to West Branch Black River	92.3	Human Health, Recreation, Aquatic Health
C15-8-S3	Tributary to West Branch Black River	92.3	Human Health, Recreation, Aquatic Health
C15-8-S4	West Branch Black River	92.4	Human Health, Recreation, Aquatic Health
C15-9-S1	Tributary to West Branch Black River	92.6	Human Health, Recreation, Aquatic Health
A14-140-S1	Tributary to West Branch Black River	93.4	Human Health, Recreation, Aquatic Health
A14-141-S1	Plum Creek	96.1	Human Health, Recreation, Aquatic Health
C15-57-S1	Tributary to Plum Creek	97.3	Human Health, Recreation, Aquatic Health
C15-61-S1	Tributary to East Fork Vermilion River	98.3	Human Health, Aquatic Health
A15-85-S1	Tributary to East Fork Vermillion River	98.9	Human Health, Aquatic Health
A15-85-S2	Tributary to East Fork Vermillion River	98.9	Human Health, Aquatic Health
C15-66-S1	East Fork Vermilion River	99.3	Human Health, Aquatic Health
C15-67-S1	Frankenburg Creek	101.3	Human Health, Aquatic Health
Huron County, OH			
C15-100-S1	Tributary to East Fork Frankenburg Creek	101.7	Human Health, Aquatic Health
C15-101-S1	Tributary to East Fork Frankenburg Creek	101.9	Human Health, Aquatic Health
A15-57-S1	Tributary to East Fork Frankenburg Creek	102.3	Human Health, Aquatic Health
C15-88-S1	Tributary to Frankenburg Creek	103.0	Human Health, Aquatic Health
C15-56-S1	Tributary to Vermillion River	104.2	Human Health, Aquatic Health
C15-56-S4	Vermillion River	104.4	Human Health, Aquatic Health
C15-56-S4B	Vermillion River	104.4	Human Health, Aquatic Health
C15-56-S4A	Tributary to Vermillion River	104.5	Human Health, Aquatic Health
Erie County, OH			
C15-69-S1	Chappel Creek	105.9	Aquatic Health
B15-115-S1	NA	110.3	Aquatic Health
B15-124-S2	Tributary to Old Woman Creek	112.1	Recreation, Aquatic Health
B15-124-S1	Tributary to Old Woman Creek [a]	112.1	Recreation, Aquatic Health
AS-ER-35	Tributary to Old Woman Creek	113.0	Recreation, Aquatic Health
A14-187-S1	Old Woman Creek	113.1	Recreation, Aquatic Health
A14-188-S1	Tributary to Old Woman Creek	113.3	Recreation, Aquatic Health

APPENDIX H-4 (cont'd)

Impaired Surface Waters Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Beneficial Use Impaired
A14-188-S2	Tributary to Old Woman Creek [a]	113.3	Recreation, Aquatic Health
AS-ER-12	Tributary to Old Woman Creek	113.8	Recreation, Aquatic Health
B15-07-S1	Tributary to Old Woman Creek	114.3	Recreation, Aquatic Health
C15-14-S1	Tributary to Huron River	115.4	Recreation, Aquatic Health
C15-15-S1	Tributary to Huron River	115.7	Recreation, Aquatic Health
B15-09-S1	Tributary to Huron River	116.0	Recreation, Aquatic Health
C15-17-S1	Tributary to Huron River [a]	116.1	Recreation, Aquatic Health
C15-16-S1	Tributary to Huron River	116.2	Recreation, Aquatic Health
A14-156-S2	Tributary to Huron River [a]	116.5	Recreation, Aquatic Health
A14-155-S1	Tributary to Huron River	116.5	Recreation, Aquatic Health
A14-186-S1	Huron River	116.9	Recreation, Aquatic Health
AS-ER-19	Huron River	116.9	Recreation, Aquatic Health
AS-ER-20A	Tributary to Huron River	117.0	Recreation, Aquatic Health
AS-ER-20	Tributary to Huron River	117.1	Recreation, Aquatic Health
C15-20-S1	Tributary to Mud Brook	117.6	Recreation, Aquatic Health
C15-18-S1	Tributary to Mud Brook	118.4	Recreation, Aquatic Health
B15-11-S1	Tributary to Mud Brook	118.8	Recreation, Aquatic Health
E14-97-S1	Mud Creek	119.0	Recreation, Aquatic Health
C15-21-S1	Zorn Beutal Ditch	120.0	Recreation
C15-22-S1	Sheerer Ditch	120.4	Recreation
C15-74-S1	Tributary to Sheerer Ditch	120.5	Recreation
B15-12-S1	Sherer Ditch	120.9	Recreation
B15-13-S1	Sherer Ditch	122.0	Recreation
AS-ER-205	Tributary to Sawmill Creek	122.1	Recreation
E14-96-S1	Tributary to Sherer Ditch	123.1	Recreation
A15-62-S1	Tributary to Pipe Creek	124.0	Recreation, Aquatic Health
C15-23-S1	Tributary to Pipe Creek	125.7	Recreation, Aquatic Health
E14-95-S1	Pipe Creek	125.9	Recreation, Aquatic Health
E14-49-S1	Tributary to Pipe Creek	127.4	Recreation, Aquatic Health
E14-50-S1	Tributary to Mills Creek	127.9	Recreation, Aquatic Health
E14-51-S1	Tributary to Mills Creek	128.4	Recreation, Aquatic Health
E14-51-S3	Tributary to Mills Creek [a]	128.4	Recreation, Aquatic Health
E14-94-S1	Mills Creek	129.3	Recreation, Aquatic Health
Sandusky County, OH			
D15-74-S1	Scherz Ditch	134.3	Recreation
D14-4-S1	Strong Creek	135.3	Recreation
D14-6-S1	Fuller Creek	136.0	Recreation, Aquatic Health
D14-7-S1	Tributary to Fuller Creek	136.4	Recreation, Aquatic Health
D15-49-S1	Tributary to Fuller Creek	136.9	Recreation, Aquatic Health
E14-105-S1	Pickerel Creek	138.0	Recreation, Aquatic Health
D14-9-S1	Little Raccoon Creek	138.7	Recreation, Aquatic Health
D14-10-S1	Tributary to Little Racoon Creek	139.1	Recreation, Aquatic Health
D14-8-S1	Raccoon Creek	139.9	Recreation, Aquatic Health
D14-8-S2	Tributary to Raccoon Creek [a]	139.9	Recreation, Aquatic Health
E14-103-S1	South Creek	140.5	Recreation, Aquatic Health

APPENDIX H-4 (cont'd)

Impaired Surface Waters Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Beneficial Use Impaired
D15-31-S1	Tributary to South Creek	141.2	Recreation, Aquatic Health
D14-11-S1	Green Creek	141.7	Recreation, Aquatic Health
D15-115-S1	Tributary to Buehler Creek	142.7	Aquatic Health
E14-36-S1	Tributary to Buehler Ditch	143.0	Aquatic Health
D15-47-S1	Buehler Ditch	143.3	Aquatic Health
D14-40-S1	Bark Creek	143.7	Aquatic Health
AS-SA-699	Sandusky River	145.9	Aquatic Health
AP-SA-700	NA [a]	146.0	Aquatic Health
D15-104-WB	Tributary to Sandusky River [a]	146.4	Aquatic Health
AS-SA-702	Tributary to Sandusky River	146.4	Aquatic Health
E15-39-S1	Greesman Ditch	146.7	Recreation, Aquatic Health
D14-33-S1	Tributary to Muskellunge Creek	147.5	Recreation, Aquatic Health
E14-121-S1	Tributary to Muskellunge Creek	147.7	Recreation, Aquatic Health
D15-34-S1	Tributary to Little Muddy Creek	148.8	Recreation, Aquatic Health
D15-52-S1	Little Muddy Creek	149.4	Recreation, Aquatic Health
D15-87-S1	Tributary to Muddy Creek	152.7	Human Health, Recreation, Aquatic Health
E14-43-S1	Muddy Creek	153.4	Human Health, Recreation, Aquatic Health
E14-181-S1	Tributary to Muddy Creek	153.8	Human Health, Recreation, Aquatic Health
D15-35-S1	Tributary to Muddy Creek	154.4	Human Health, Recreation, Aquatic Health
E14-109-S1	Tributary to Muddy Creek	154.7	Human Health, Recreation, Aquatic Health
E14-42-S1	Ninemile Creek	155.2	Human Health, Recreation, Aquatic Health
E14-3-S1	Tributary to Ninemile Creek	155.9	Human Health, Recreation, Aquatic Health
D15-51-S1	Tributary to Wolf Creek	156.6	Human Health, Recreation, Aquatic Health
D15-50-S1	Tributary to Wolf Creek	156.9	Human Health, Recreation, Aquatic Health
C15-79-S1	Wolf Creek	157.8	Human Health, Recreation, Aquatic Health
D14-25-S1	Sugar Creek	158.6	Human Health, Recreation, Aquatic Health
E14-107-S1	Tributary to Victoria Creek	160.8	Human Health, Recreation, Aquatic Health
E14-108-S1	Victoria Creek	161.3	Human Health, Recreation, Aquatic Health
D15-26-S1	Portage River	162.5	Human Health, Recreation, Aquatic Health
Wood			
E14-111-S1	Martin Ditch	163.8	Human Health, Recreation, Aquatic Health
D14-31-S1	Tributary to Martin Ditch	164.8	Human Health, Recreation, Aquatic Health
E14-85-S1	Tributary to Toussaint Creek	165.6	Human Health, Recreation, Aquatic Health
E14-153-S1	Tributary to Toussaint Creek	166.5	Human Health, Recreation, Aquatic Health
D14-34-S1	Tributary to Toussaint Creek	166.8	Human Health, Recreation, Aquatic Health
E14-175-S1	Toussaint Creek	167.3	Human Health, Recreation, Aquatic Health
E15-22-S1	Tributary to Toussaint Creek	167.8	Human Health, Recreation, Aquatic Health
E14-48-S3	Tributary to Toussaint Creek	168.2	Human Health, Recreation, Aquatic Health
E14-48-S4	Tributary to Toussaint Creek	168.3	Human Health, Recreation, Aquatic Health
E14-48-S2	Tributary to Toussaint Creek	168.4	Human Health, Recreation, Aquatic Health
E14-79-S1	Tributary to Packer Creek	170.4	Human Health, Aquatic Health
E14-80-S1	Tributary to Packer Creek	170.8	Human Health, Aquatic Health
E14-40-S1	Packer Creek	171.1	Human Health, Aquatic Health
D15-118-S1	Tributary to Packer Creek [a]	171.2	Human Health, Aquatic Health
D15-62-S1	Tributary to Cedar Creek	174.0	Recreation, Aquatic Health
E14-35-S1	Tributary to Cedar Creek	174.5	Recreation, Aquatic Health

APPENDIX H-4 (cont'd)

Impaired Surface Waters Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Beneficial Use Impaired
E15-32-S1	Tributary to Henry Creek	175.4	Recreation, Aquatic Health
E15-33-S1	Tributary to Henry Creek	175.6	Recreation, Aquatic Health
E15-34-S1	Tributary to Henry Creek	176.2	Recreation, Aquatic Health
E15-7-S1	Tributary to Maumee River	177.3	Recreation
D14-45A-S1	Tributary to Maumee River	178.1	Recreation
E15-8-S1	Tributary to Maumee River	179.9	Recreation
D15-101-S1	Tributary to Maumee River	180.0	Recreation
D15-99-S1	Tributary to Maumee River	180.1	Recreation
E14-46-S1	Tributary to Maumee River	180.7	Recreation
E14-44-S1	Tributary to Maumee River	180.8	Recreation
E14-47-S1	Tributary to Maumee River	181.0	Recreation
Lucas County, OH			
E14-55-S1	Maumee River	181.4	Recreation
Wood County, OH			
E14-55-S1	Maumee River	181.4	Recreation
Lucas County, OH			
D15-48-S1	Tributary to Maumee River [a]	181.9	Recreation
E14-116-S1	Blystone Ditch	182.7	Human Health, Recreation, Aquatic Health
E14-29-S1	Suter Ditch	183.3	Recreation, Aquatic Health
AS-LU-2	Tributary to Whitemeir Ditch	183.4	Recreation, Aquatic Health
E14-1-S1	Whitemeir Ditch	183.6	Recreation, Aquatic Health
E14-37-S1	Estworthy Ditch	183.7	Recreation, Aquatic Health
E14-38-S1	Disher Ditch	184.1	Recreation, Aquatic Health
E14-39-S1	Harris Ditch	185.3	Recreation, Aquatic Health
E14-22-S1	Tributary to Ruhm Ditch	186.6	Recreation, Aquatic Health
E15-21-S1	Doran Ditch	187.3	Recreation
D15-1-S1	Yawberg Ditch	187.5	Recreation
D15-91-S1	Jeffers Ditch	187.7	Recreation
E15-9-S1	Laver Ditch	188.1	Recreation
Henry County, OH			
E15-29-S1	Tributary to Harris Ditch	189.5	Recreation
D15-56-S1	Tributary to Aumend Ditch	189.7	Recreation
D15-7-S2	Tributary to Blue Creek	190.2	Recreation
D15-7-S1	Tributary to Blue Creek	190.2	Recreation
Fulton County, OH			
E15-14-S1	Blue Creek	190.9	Recreation
E15-14-S2	Tributary to Blue Creek	191.1	Recreation
E15-45-S1	Tributary to Blue Creek	191.6	Recreation
D15-110-S1	Tributary to Blue Creek	192.3	Recreation
D15-111-S1	Tributary to Blue Creek	193.2	Recreation
D15-60-S1	Tributary to Fewless Creek	193.9	Recreation, Aquatic Health
E15-37-S1	Tributary to Fewless Creek	195.0	Recreation, Aquatic Health
E15-36-S1	Fewless Creek	195.2	Recreation, Aquatic Health
D15-61-S1	Tributary to Fewless Creek	195.9	Recreation, Aquatic Health
D15-17-S1	Swan Creek	196.4	Recreation, Aquatic Health
D15-9-S1	Tributary to Swan Creek	197.3	Recreation, Aquatic Health
D15-98-S1	Tributary to Swan Creek	197.5	Recreation, Aquatic Health
D15-60A-S1	Tributary to Fewless Creek	197.9	Recreation, Aquatic Health

APPENDIX H-4 (cont'd)

Impaired Surface Waters Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Beneficial Use Impaired
D15-10-S1	Tributary to Swan Creek	198.6	Recreation, Aquatic Health
D15-13-S1	Tributary to Swan Creek	199.1	Recreation, Aquatic Health
E14-4-S1	Ai Creek	200.8	Recreation, Aquatic Health
E15-19-S1	Frankfort Ditch	202.1	Recreation, Aquatic Health
D14-24-S1	Tributary to McNett Ditch	202.7	Recreation, Aquatic Health
E14-112-S1	McNett Ditch	203.4	Recreation, Aquatic Health
D14-44-S1	Tributary to Langenderfer Ditch	203.9	Human Health, Recreation
E14-53-S1	Tributary to Langenderfer Ditch	205.2	Human Health, Recreation
D15-82-S1	Tributary to Langenderfer Ditch	205.6	Human Health, Recreation
D15-83-S1	Tributary to Langenderfer Ditch	206.0	Human Health, Recreation
E14-11-S1	Tributary to Schmitz Ditch	206.2	Human Health, Recreation, Aquatic Health
E14-12-S1	Tributary to Tenmile Creek	207.0	Human Health, Recreation, Aquatic Health
D14-45-S1	Tenmile Creek	207.9	Human Health, Recreation, Aquatic Health
Lenawee County, MI			
E14-140-S1	River Raisin	215.2	Fish Consumption
D15-28-S1	Tributary to River Raisin	215.8	Fish Consumption
AS-LE-5	Tributary to River Raisin	216.3	Fish Consumption
E14-143-S1	Little River Raisin	220.5	Fish Consumption
E14-64-S1	Fry Drain	220.7	Fish Consumption
E14-69-S1	Isley Drain	222.1	Fish Consumption
E14-76-S1	Swamp Raisin Creek	222.5	Fish Consumption
E14-77-S1	Tributary to Swamp Raisin Creek	222.7	Fish Consumption
AS-LE-203	Dibble Drain	225.8	Fish Consumption
AS-LE-202	Tributary to South Branch Macon Creek	225.6	Fish Consumption
AS-LE-204	South Branch Macon Creek	226.4	Fish Consumption
E14-126-S1/ AS-LE-205	Tributary to South Branch Macon Creek	226.7	Fish Consumption
E14-74-S1	Schreeder Brook	226.8	Fish Consumption
E14-149-S1/ AS-LE-12	Tributary to Middle Branch Macon Creek	228.8	Fish Consumption
E14-87-S1	Macon Creek	229.5	Fish Consumption, Aquatic Life and Wildlife
E14-61-S1	Tributary to Richardson Drain	229.8	Fish Consumption
Monroe County, MI			
E14-63-S1	Tributary to Richardson Drain	230.7	Fish Consumption
AS-MO-1	Richardson Drain	231.4	Fish Consumption
E14-65-S1	Bear Swamp Creek	231.9	Fish Consumption
E14-66-S1	Tributary to Bear Swamp Creek	232.4	Fish Consumption
D15-40-S1	Cone Drain	233.3	Fish Consumption
AS-MO-2	Tributary to Center Creek	233.7	Fish Consumption
AS-MO-10A	Tributary to Center Creek	234.3	Fish Consumption
AS-MO-10	Center Creek	234.4	Fish Consumption
AS-MO-4	North Branch Macon Creek	236.0	Fish Consumption

APPENDIX H-4 (cont'd)

Impaired Surface Waters Crossed by the NGT and TEAL Projects

Project, Facility, County, Waterbody ID	Waterbody Name	Milepost	Beneficial Use Impaired
Washtenaw County, MI			
E14-157-S1	Saline River	237.6	Fish Consumption
E14-135-S1	McCarthy Drain	244.2	Aquatic Life and Wildlife
E14-162-S1	West Branch Paint Creek	244.7	Aquatic Life and Wildlife
E15-13-S1	Tributary to West Branch Paint Creek	245.0	Aquatic Life and Wildlife
E14-99-S1	Tributary to Bird Drain	245.0	Aquatic Life and Wildlife
E14-164-S1/AS-WA-6	Paint Creek	246.3	Aquatic Life and Wildlife
E14-176-S1	Tributary to Paint Creek	246.6	Aquatic Life and Wildlife
TGP Interconnect			
Columbiana County, OH			
B15-17-S2	Tributary to Brush Creek	0.7	Aquatic Health
B15-17-S3	Tributary to Brush Creek	0.7	Aquatic Health
TEAL PROJECT			
Connecting Pipeline			
Columbiana County, OH			
B15-17-S2	Tributary to Brush Creek	0.2	Aquatic Health

a Centerline does not cross the waterbody.

Sources: Ohio: OEPA, 2014b
Michigan: Data retrieved from Table 2.3-7 of the November 2015 Resource Report 2

APPENDIX H-5

FEMA FLOOD ZONES CROSSED BY THE NGT PROJECT

APPENDIX H-5

FEMA Flood Zones Crossed by the NGT Project

State, Facility, County	Milepost Enter	Milepost Exit	FEMA Flood Zone [a]
OHIO			
Mainline			
Columbiana	2.0	2.0	A
Columbiana	2.1	2.2	A
Columbiana	4.9	5.0	A
Columbiana	5.0	5.0	A
Columbiana	11.0	11.0	A
Columbiana	11.1	11.2	A
Stark	26.7	26.9	A
Stark	26.7	26.9	A
Stark	32.0	32.0	AE
Stark	32.0	32.0	AE
Stark	32.0	32.0	AE
Stark	32.0	32.0	AE
Stark	32.1	32.2	AE
Stark	32.1	32.2	AE
Stark	33.7	33.8	AE
Stark	33.7	33.8	AE
Stark	33.8	33.9	AE
Stark	33.8	33.9	AE
Stark	33.9	33.9	AE
Stark	33.9	33.9	AE
Stark	34.0	34.0	AE
Stark	34.0	34.0	AE
Stark	34.1	34.2	AE
Stark	34.1	34.2	AE
Summit	41.8	42.1	A
Summit	48.0	48.1	AE
Summit	48.1	48.2	AE
Summit	48.9	48.9	A
Wayne	57.4	57.6	AE
Wayne	57.6	57.7	AE
Medina	57.7	57.9	AE
Medina	60.7	60.7	AE
Medina	60.7	60.7	AE
Medina	68.8	68.8	A
Medina	71.1	71.1	AE
Medina	75.9	76.1	A
Lorain	84.4	84.5	A
Lorain	86.4	86.7	A
Lorain	88.6	88.8	A
Lorain	90.0	90.1	A
Lorain	91.3	91.4	A
Lorain	91.8	91.9	A
Lorain	92.2	92.8	A
Lorain	96.1	96.1	AE
Lorain	96.1	96.1	AE
Lorain	99.3	99.3	A

APPENDIX H-5 (cont'd)

FEMA Flood Zones Crossed by the NGT Project

State, Facility, County	Milepost Enter	Milepost Exit	FEMA Flood Zone [a]
Huron	104.3	104.5	A
Huron	104.5	104.5	A
Erie	105.8	105.9	A
Erie	113.1	113.2	A
Erie	113.8	113.9	A
Erie	114.2	114.3	A
Erie	115.4	115.4	A
Erie	115.7	115.7	A
Erie	116.5	116.5	AE
Erie	116.7	116.8	AE
Erie	116.8	117.0	AE
Erie	117.0	117.0	AE
Erie	117.6	117.6	A
Erie	118.4	118.4	A
Erie	118.8	118.8	A
Erie	119.0	119.0	A
Erie	125.7	125.7	A
Erie	125.8	125.9	A
Erie	129.0	129.4	A
Erie	129.4	129.4	A
Sandusky	131.5	131.7	A
Sandusky	135.3	135.4	A
Sandusky	136.0	136.0	A
Sandusky	137.9	138.1	A
Sandusky	139.8	140.0	A
Sandusky	140.5	140.5	A
Sandusky	141.1	141.2	A
Sandusky	141.5	141.7	A
Sandusky	143.7	143.8	A
Sandusky	145.3	145.4	AE
Sandusky	145.6	145.8	AE
Sandusky	145.8	145.9	AE
Sandusky	145.9	145.9	AE
Sandusky	146.0	146.1	AE
Sandusky	149.4	149.5	A
Sandusky	153.3	153.5	A
Sandusky	153.9	153.9	A
Sandusky	155.2	155.2	A
Sandusky	158.6	158.7	A
Sandusky	162.5	162.6	A
Wood	167.3	167.4	A
Wood	171.1	171.1	A
Wood	181.4	181.4	AE
Wood	181.4	181.4	AE
Lucas	181.5	181.7	AE
Lucas	182.6	182.7	AE
Lucas	182.7	182.8	AE
Lucas	185.3	185.3	AE
Lucas	185.3	185.3	A

APPENDIX H-5 (cont'd)

FEMA Flood Zones Crossed by the NGT Project

State, Facility, County	Milepost Enter	Milepost Exit	FEMA Flood Zone [a]
Fulton	190.8	190.9	AE
Fulton	190.9	191.0	AE
Fulton	195.2	195.3	AE
Fulton	195.3	195.3	AE
Fulton	195.9	196.0	AE
Fulton	196.3	196.3	AE
Fulton	196.3	196.4	AE
Fulton	200.8	200.8	AE
Fulton	200.8	200.9	AE
Fulton	207.9	207.9	AE
Fulton	207.9	207.9	AE
MICHIGAN			
Mainline			
Monroe	232.4	232.4	A
Monroe	233.2	233.4	A
Monroe	234.1	234.1	A
Monroe	234.1	234.2	A
Monroe	234.4	234.5	A
Monroe	236.0	236.1	A
Washtenaw	237.4	237.6	A
Washtenaw	244.7	244.8	AE
Washtenaw	244.8	244.9	AE
Washtenaw	246.2	246.3	AE
Washtenaw	246.3	246.3	AE
Washtenaw	246.3	246.3	AE
Washtenaw	250.8	250.9	AE
Washtenaw	250.9	250.9	AE
Washtenaw	253.4	253.4	A
Washtenaw	253.6	253.6	A

a Flood hazard areas identified on the Flood Insurance Rate Map are identified as a Special Flood Hazard Area, which are defined as the area that will be inundated by the flood event having a 1-percent chance of being equaled or exceeded in any given year.
FEMA Flood Zone A – Areas subject to inundation by the 1-percent-annual-chance (100 year) flood event generally determined using approximate methodologies.
FEMA Flood Zone AE – Areas subject to inundation by the 1-percent-annual-chance (100 year). Flood event determined by detailed methods.

Source: FEMA, 2016.

APPENDIX H-6

ATWS WITHIN 50 FEET OF WETLANDS AND WATERBODIES ON THE NGT AND TEAL PROJECTS

APPENDIX H-6

ATWS Within 50 feet of Wetlands and Waterbodies on the NGT and TEAL Projects

Project, Facility, County	ATWS ID	Milepost	Within 50 feet of a Wetland	Within 50 feet of a Waterbody	Feature ID	Distance from Resource Area (feet)	Justification
NGT PROJECT							
Mainline							
Columbiana County, OH	ATWS-2570	2.0	Yes	Yes	A14-5/A14-5-S4	0/20.1	Road, waterbody and wetland crossing. HWY 30 and waterbody bored crossing. ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially located in a wetland. Wetland has been partially classified as AG-PEM.
Columbiana County, OH	ATWS-2618	2.0	Yes	No	A14-5	0	Road, waterbody and wetland crossing. HWY 30 and waterbody bored crossing. ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially located in a wetland. Wetland has been partially classified as AG-PEM.
Columbiana County, OH	ATWS-4199	3.9	No	Yes	A14-8-S1/A14-8	47.9/30.4	Waterbody crossing. ATWS in Non-disturbed area and inside 50-ft waterbody buffer. ATWS required at this location due to slope for spoil storage, equipment placement, and dewatering activities associated with an open-cut waterbody crossing.
Columbiana County, OH	ATWS-3050	4.9	Yes	Yes	A14-10 /A14-10-S1/A14-10-S2	0/14.0/16.6	Kettering Road and waterbody bore crossing. ATWS is located in delineated wetland.
Columbiana County, OH	ATWS-3049	4.9	Yes	No	A14-10	0	Road and wetland crossing. Kettering Road and waterbody bored crossing. Also proposed open cut of Weaver Road. ATWS also designed for equipment and material movement. ATWS is located in delineated wetland.
Columbiana County, OH	ATWS-4201	5.0	Yes	Yes	A14-10 /A14-10-S2	0/12.9	Road and wetland crossing. Proposed open cut of Weaver Rd. ATWS is located in delineated wetland.
Columbiana County, OH	ATWS-3694	6.3	Yes	No	C15-118	0	Bend installation and existing pipeline crossing. ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially located in a wetland.
Columbiana County, OH	ATWS-2493	11.1	Yes	Yes	A15-34//A15-34-S1/A15-34-S2	0/25.9/14.2	Bend installation, waterbody, rail (bored crossing) and wetland crossing. ATWS is located in delineated wetland.
Columbiana County, OH	ATWS-2635	11.1	Yes	Yes	A15-34/A15-34-S1	0/21.5	Bend installation, waterbody, rail (bored crossing) and wetland crossing. ATWS is located in delineated wetland.

APPENDIX H-6 (cont'd)

ATWS Within 50 feet of Wetlands and Waterbodies on the NGT and TEAL Projects

Project, Facility, County	ATWS ID	Milepost	Within 50 feet of a Wetland	Within 50 feet of a Waterbody	Feature ID	Distance from Resource Area (feet)	Justification
Columbiana County, OH	ATWS-2492	11.2	Yes	No	A15-31	0	Bend installation, waterbody, rail (bore crossing) and wetland crossing. ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially located in a wetland.
Columbiana County, OH	ATWS-2279	11.2	Yes	No	A15-31	0	Bend installation, waterbody, rail (bored crossing) and wetland crossing. ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially located in a wetland.
Columbiana County, OH	ATWS-2285	11.3	Yes	No	A15-31	0	Homeworth Rd bored crossing. ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially located in a wetland.
Stark County, OH	ATWS-3319	13.3	Yes	No	B15-64	0	Bend installation. ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially located in a delineated wetland.
Stark County, OH	ATWS-35	14.0	Yes	Yes	B15-54 /B15-54-S2	42.1/12.3	Road, waterbody and wetland crossing. ATWS in Non-disturbed area.
Stark County, OH	ATWS-3726	14.0	No	Yes	B15-54-S2	12.7	Road and waterbody crossing. Salem Church Rd bore crossing. ATWS partially located within 50-ft waterbody buffer.
Stark County, OH	ATWS-550	25.2	No	Yes	A14-28-WB1	40	Extra room for bend/fitting. ATWS located in non-disturbed area.
Stark County, OH	ATWS-4015	27.8	Yes	No	A14-34	0	Topsoil segregation. Rail road bored crossing.
Stark County, OH	ATWS-4017	27.9	Yes	No	A14-34	0	Bend installation.
Stark County, OH	ATWS-735	28.0	Yes	No	A14-34	0	Rail bore crossing, bend installation, existing pipeline and wetland crossing. ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially located in a wetland.
Stark County, OH	ATWS-500	28.0	Yes	No	A14-34	0	Rail bore crossing, bend installation, existing pipeline and wetland crossing. ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially located in a wetland.
Stark County, OH	ATWS-2260	33.3	No	Yes	C15-125-S1	36.4	Bend installation and additional room for installation of long bored crossing. ATWS partially located in disturbed land and partially in undisturbed land.

APPENDIX H-6 (cont'd)

ATWS Within 50 feet of Wetlands and Waterbodies on the NGT and TEAL Projects

Project, Facility, County	ATWS ID	Milepost	Within 50 feet of a Wetland	Within 50 feet of a Waterbody	Feature ID	Distance from Resource Area (feet)	Justification
Stark County, OH	ATWS-4021	33.5	No	Yes	B15-67-S1	32.0	Waterbody and wetland crossing. ATWS in non-disturbed area. Long wetland crossing with waterbodies in wetland. Extra width required to move crews/equipment down row.
Stark County, OH	ATWS-2628	33.7	Yes	No	B15-67-S1	15.9	Waterbody and wetland crossing. ATWS in non-disturbed area. Long wetland crossing with waterbodies in wetland. Extra width required to move crews/equipment down row.
Stark County, OH	ATWS-2629	33.8	Yes	No	B15-73	0	Waterbody and wetland crossing. ATWS in non-disturbed area. Long wetland crossing with waterbodies in wetland. Extra width required to move crews/equipment down row.
Stark County, OH	ATWS-2630	33.8	Yes	Yes	B15-73/A15-68-S1/B15-67-S1	19.4/19.3/11.4	Waterbody and wetland crossing. ATWS in non-disturbed area. Long wetland crossing with waterbodies in wetland. Extra width required to move crews/equipment down row.
Summit County, OH	ATWS-2385	34.3	Yes	No	A15-71	0	Rail bore crossing, wetland crossing and truck turnaround. ATWS located in a wetland.
Summit County, OH	ATWS-2384	34.3	Yes	No	A15-71	0	Rail bore crossing, wetland crossing and truck turnaround. ATWS located in a wetland.
Summit County, OH	ATWS-2386	34.3	Yes	No	A15-71	0	Rail bore crossing, wetland crossing and truck turnaround. ATWS located in a wetland.
Summit County, OH	ATWS-2382	34.3	Yes	No	A15-71	0	Rail bore crossing, wetland crossing and truck turnaround. ATWS located in a wetland.
Summit County, OH	ATWS-3265	34.4	Yes	No	A15-71	0	Pipeline crossing. ATWS in non-disturbed delineated wetland.
Summit County, OH	ATWS-4229	34.4	Yes	No	A15-71/AWB-SU-213	0/0	Long wetland crossing. Extra width required to move crews/equipment down ROW.
Summit County, OH	ATWS-3264	34.4	Yes	No	A15-71	0	Pipeline crossing. ATWS in non-disturbed delineated wetland.
Summit County, OH	ATWS-2359	34.6	Yes	No	A15-71	0	Waterbody and wetland crossing. ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially located in delineated wetland.
Summit County, OH	ATWS-94	35.5	Yes	No	AWB-SU-4	16.9	Road and wetland crossing. ATWS in non-disturbed area.
Summit County, OH	ATWS-4231	35.6	Yes	No	AWB-SU-4/A15-90	0/9.9	Wetland crossing and equipment access to I-77 bore crossing. ATWS located in a wetland.

APPENDIX H-6 (cont'd)

ATWS Within 50 feet of Wetlands and Waterbodies on the NGT and TEAL Projects

Project, Facility, County	ATWS ID	Milepost	Within 50 feet of a Wetland	Within 50 feet of a Waterbody	Feature ID	Distance from Resource Area (feet)	Justification
Summit County, OH	ATWS-4024	36.2	Yes	No	AWB-SU-401	12.0	Bend installation. ATWS in non-disturbed area and within 50-ft wetland buffer.
Summit County, OH	ATWS-3082	36.6	Yes	No	C15-106	0	Long wetland crossing. Extra width required to move crews/equipment down ROW. ATWS located inside delineated wetland.
Summit County, OH	ATWS-4025	36.7	Yes	Yes	C15-106/C15-106-S1	11.2/17.2	Waterbody crossing. ATWS located partially in disturbed upland area and partially inside 50-ft wetland buffer. ATWS has been reshaped due to route variation filed in the Supplemental Filing.
Summit County, OH	ATWS-2325	37.4	Yes	No	C15-120	11.4	Massillon Rd bored crossing. Waterbody and wetland crossing. ATWS within 50-ft wetland buffer in non-disturbed area.
Summit County, OH	ATWS-2324	37.4	Yes	No	C15-120	10.7	Massillon Rd bored crossing. Waterbody and wetland crossing. ATWS within 50-ft wetland buffer in non-disturbed area.
Summit County, OH	ATWS-4234	38.0	Yes	No	AWB-SU-204	14.5	ATWS within 50-ft wetland buffer in non-disturbed area. This ATWS is required at this location to store the spoil associated with wetland construction, to store the cleared vegetation from the upland area, and also to accommodate additional spoil storage due to the foreign line crossing.
Summit County, OH	ATWS-577	39.6	Yes	No	A14-112	12.2	Wetland crossing. ATWS within 50-ft wetland buffer in non-disturbed area.
Summit County, OH	ATWS-3274	39.8	Yes	No	A14-112	0	Arlington Rd bored crossing and wetland crossing. ATWS located within delineated wetland
Summit County, OH	ATWS-99	39.8	Yes	No	A14-112	0	Arlington Rd bored crossing and wetland crossing. ATWS located within delineated wetland
Summit County, OH	ATWS-4505	39.8	Yes	No	A14-112	21.8	Arlington Rd bored crossing. ATWS in non-disturbed area and within 50-ft wetland buffer.
Summit County, OH	ATWS-3171	39.8	Yes	Yes	A14-112/A14-112-S1A	0/10.9	Arlington Rd bored crossing and wetland crossing. ATWS located within delineated wetland.
Summit County, OH	ATWS-1986	45.3	Yes	Yes	B14-1/B14-1-S1	0/44.3	Bend installation, pipeline and wetland crossing. ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially located within delineated wetland.

APPENDIX H-6 (cont'd)

ATWS Within 50 feet of Wetlands and Waterbodies on the NGT and TEAL Projects

Project, Facility, County	ATWS ID	Milepost	Within 50 feet of a Wetland	Within 50 feet of a Waterbody	Feature ID	Distance from Resource Area (feet)	Justification
Summit County, OH	ATWS-2479	45.4	Yes	No	B14-1	0	Bend/fitting installation and 6 foreign pipeline crossings. Wetland crossing. ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially located in delineated wetland.
Summit County, OH	ATWS-1985	45.4	Yes	No	B14-1	0	Bend/fitting installation and 6 foreign pipeline crossing. Road and wetland crossing. ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially located in delineated wetland.
Summit County, OH	ATWS-3288	45.4	Yes	No	B14-1	0	Road, pipeline and wetland crossing.
Summit County, OH	ATWS-121	46.8	No	Yes	A15-13-S1	11.9	Center Road bore crossing. ATWS partially located in disturbed upland area with a small corner located in non-disturbed upland area. ATWS is within 50-ft waterbody. This ATWS is required to be this size in order to place equipment needed for the road bore, to safely dig the bore pits and to store spoil associated with the road bore.
Summit County, OH	ATWS-3233	49.3	Yes	No	AWB-SU-43	0	Cleveland Massillon Rd bored crossing and bend/fitting installation. Bore pull back string.
Summit County, OH	ATWS-3232	49.3	Yes	No	AWB-SU-43	0	Bend installation. ATWS in non-disturbed area.
Summit County, OH	ATWS-4237	49.3	Yes	No	AWB-SU-43	0	Road and wetland crossing. ATWS in non-disturbed area.
Summit County, OH	ATWS-4535	49.9	Yes	No	A14-41	10.7	Kungle Rd bored crossing. ATWS in non-disturbed area and within 50-ft wetland buffer.
Summit County, OH	ATWS-128	49.9	No	Yes	A14-41-S1	19.8	Road and waterbody crossing. ATWS in non-disturbed area and within 50-ft waterbody buffer
Summit County, OH	ATWS-4536	49.9	Yes	No	A14-41	46.9	Waterbody and wetland crossing. ATWS in non-disturbed area and within 50-ft wetland buffer.

APPENDIX H-6 (cont'd)

ATWS Within 50 feet of Wetlands and Waterbodies on the NGT and TEAL Projects

Project, Facility, County	ATWS ID	Milepost	Within 50 feet of a Wetland	Within 50 feet of a Waterbody	Feature ID	Distance from Resource Area (feet)	Justification
Summit County, OH	ATWS-127	50.0	No	Yes	A14-41-S1	17.6	Waterbody and wetland crossing. ATWS in non-disturbed area and within 50-ft waterbody buffer. This ATWS is required in this location to accommodate pre-installation of the drag section and for the equipment associated with the bend installation, to accommodate additional spoil storage required for the foreign line crossing, and to accommodate additional spoil storage and additional equipment necessary to safely construct the waterbody and wetland crossing.
Summit County, OH	ATWS-3331	50.0	No	Yes	A14-41-S1	36.7	Waterbody and wetland crossing. ATWS in non-disturbed area and within 50-ft wetland and waterbody buffers. This ATWS is required at this location for additional spoil storage associated with the foreign line crossing, and to accommodate additional spoil storage and additional equipment necessary to safely construct the waterbody and wetland crossing. It cannot be shifted further from the resource as it would then overlap the existing pipeline.
Wayne County, OH	ATWS-3753	52.6	Yes	Yes	A14-124/A14-124-S2/A14-124-S1	0/26.6/41.3	Bend installation, waterbody and wetland crossing. ATWS is located in delineated wetland.
Wayne County, OH	ATWS-2599	52.8	Yes	Yes	A15-52-S1	25.9	Calaboone Road crossing. ATWS located in non-disturbed area and within 50-ft of waterbody buffer.
Wayne County, OH	ATWS-2515	53.5	No	Yes	B15-91-S1	16.5	Waterbody and Gates Rd bored crossing. ATWS in non-disturbed area and within 50-ft waterbody buffer.
Wayne County, OH	ATWS-2930	53.5	No	Yes	B15-91-S1	18.2	Waterbody and Gates Rd bored crossing. ATWS in non-disturbed area and within 50-ft waterbody buffer.
Wayne County, OH	ATWS-3351	55.6	Yes	No	C15-89	9.7	Topsoil segregation. ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially located in non-disturbed area.
Wayne County, OH	ATWS-271	57.3	Yes	No	AWB-WA-400/B15-50	8.4/0	State Hwy 57 and wetland crossing. ATWS located in non-disturbed area and within estimated wetland
Medina County, OH	ATWS-155	62.6	Yes	No	B15-70	0	Greenwich Rd bored crossing and wetland crossing. ATWS located in delineated wetland.

APPENDIX H-6 (cont'd)

ATWS Within 50 feet of Wetlands and Waterbodies on the NGT and TEAL Projects

Project, Facility, County	ATWS ID	Milepost	Within 50 feet of a Wetland	Within 50 feet of a Waterbody	Feature ID	Distance from Resource Area (feet)	Justification
Medina County, OH	ATWS-4247	67.6	Yes	No	AWB-ME-31	0	Waterbody, side slope and steep terrain construction. ATWS located in non-disturbed area and approximated wetland. At the time of this response approximated wetland AWB-ME-31 has not been field delineated. This ATWS located based on terrain and is required for the storage of additional spoil resulting from side slope construction techniques, to accommodate topsoil storage at the wetland, and to accommodate additional spoil storage and additional equipment necessary to safely construct the waterbody crossing.
Medina County, OH	ATWS-4248	67.7	Yes	No	AWB-ME-31	12.8	Wetland and waterbody crossing. At the time of this response approximated Wetland AWB-ME-31 has not been field delineated. This ATWS is required to accommodate topsoil storage at the wetland, and to accommodate additional spoil storage and additional equipment necessary to safely construct the waterbody crossing.
Medina County, OH	ATWS-4249	67.8	Yes	No	B15-111	12.0	Waterbody and wetland crossing and side slope construction. ATWS located in non-disturbed area and within 50-ft wetland buffer. This ATWS is required to accommodate topsoil storage, to accommodate additional spoil storage and the additional equipment necessary to safely construct the waterbody and wetlands crossing. This ATWS is also required to due to the side slope construction techniques that will be utilized in this area. The ATWS size has been reduced as much as possible considering these constraints.
Medina County, OH	ATWS-172	67.9	Yes	Yes	B15-82/B15-110-WB1	1.1/17.3	Bend installation. ATWS located in non-disturbed and within 50-ft wetland and waterbody buffers.
Medina County, OH	ATWS-4050	68.8	No	Yes	A15-3-S1	17.6	Waterbody crossing. ATWS in non-disturbed area and within 50-ft waterbody buffer
Medina County, OH	ATWS-4052	68.8	No	Yes	A15-3-S1	12.1	Chippewa Rail Trail and waterbody crossing. ATWS in non-disturbed area and within 50-ft waterbody buffer
Medina County, OH	ATWS-4054	68.8	No	Yes	A15-3-S1/A15-3-S3	15.9/21.3	Chippewa Rail Trail and waterbody crossing. ATWS in non-disturbed area

APPENDIX H-6 (cont'd)

ATWS Within 50 feet of Wetlands and Waterbodies on the NGT and TEAL Projects

Project, Facility, County	ATWS ID	Milepost	Within 50 feet of a Wetland	Within 50 feet of a Waterbody	Feature ID	Distance from Resource Area (feet)	Justification
Medina County, OH	ATWS-281	69.5	Yes	No	C15-40	6.8	Rail and wetland crossing. ATWS located in upland consisting of cultivated or rotated cropland or disturbed land. ATWS located within 10-ft delineated wetland buffer.
Medina County, OH	ATWS-3372	69.4	Yes	No	AWB-ME-701	8.4	Lake Road and railroad and wetland crossing. ATWS located in upland consisting of cultivated or rotated cropland or disturbed land. ATWS located within 10-ft estimated wetland buffer.
Medina County, OH	ATWS-3374	69.4	Yes	No	AWB-ME-701	4.3	Lake Road and railroad and wetland crossing. ATWS located in upland consisting of cultivated or rotated cropland or disturbed land. ATWS located within 10-ft estimated wetland buffer.
Medina County, OH	ATWS-181	72.5	Yes	No	A14-48	0	Carlton Rd bored crossing and bend/fitting installation and wetland crossing.
Medina County, OH	ATWS-3392	72.5	Yes	No	A14-48	0	Carlton Rd bored crossing and bend/fitting installation and wetland crossing.
Medina County, OH	ATWS-3393	72.5	Yes	No	A14-48	0	Bend installation. ATWS located in non-disturbed area and within delineated wetland.
Medina County, OH	ATWS-3729	72.5	Yes	No	A14-48	0	Bend installation. ATWS located in non-disturbed area and within delineated wetland.
Medina County, OH	ATWS-2219	73.2	Yes	No	C15-24-W8	0	Bend installation and wetland crossing.
Medina County, OH	ATWS-3735	73.2	Yes	No	C15-24-W8/C15-24-W9	0/0	Bend installation, and wetland crossing.
Medina County, OH	ATWS-3734	73.3	Yes	Yes	C15-24-W8/C15-24-S1-2	0/24.8	Wetland crossing and equipment movement. Extra width required to move crews/equipment down ROW. ATWS in non-disturbed area and within delineated wetland.
Medina County, OH	ATWS-3733	73.3	Yes	Yes	C15-24-W7/C15-24-W8/C15-24-S7	0/0/0	Wetland crossing and equipment movement. Extra width required to move crews/equipment down row. ATWS in non-disturbed area and within delineated wetland
Medina County, OH	ATWS-285	73.7	No	Yes	AS-ME-56	25.4	Road and waterbody crossing. ATWS in non-disturbed area
Medina County, OH	ATWS-2592	76.3	Yes	Yes	B15-74/B15-74-S4	0/18.0	Beck Rd bored crossing, waterbody and wetland crossing. ATWS located in non-disturbed area and located within delineated wetland.

APPENDIX H-6 (cont'd)

ATWS Within 50 feet of Wetlands and Waterbodies on the NGT and TEAL Projects

Project, Facility, County	ATWS ID	Milepost	Within 50 feet of a Wetland	Within 50 feet of a Waterbody	Feature ID	Distance from Resource Area (feet)	Justification
Medina County, OH	ATWS-2591	76.3	Yes	No	B15-74	13.2	Beck Rd bored crossing, waterbody and wetland crossing. ATWS located in non-disturbed area and within 50-ft wetland buffer
Medina County, OH	ATWS-3398	77.0	Yes	Yes	A15-76/A15-76-S1/A15-76-S2	0/8.7/17.1	Waterbody and wetland crossing. ATWS is between two waterbodies and partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially located inside non-forested delineated emergent wetland. This ATWS is required at the wetland to accommodate topsoil storage, and to accommodate additional spoil storage and additional equipment necessary to safely construct the waterbody and wetland crossing. Matting will be used in ATWS in emergent wetland to minimize potential temporary disturbance during use.
Lorain County, OH	ATWS-593	82.7	Yes	No	A14-63	0	Law Rd bored crossing and wetland crossing. Extra ATWS needed on the working side due to power line collocation on spoil side. ATWS located in non-disturbed area and delineated wetland area.
Lorain County, OH	ATWS-3764	83.5	Yes	No	A14-68	0	Wetland crossing, Bend installation and equipment movement. ATWS in non-disturbed area and inside delineated wetland.
Lorain County, OH	ATWS-771	83.6	Yes	No	A14-67	0	Bend installation. ATWS in non-disturbed area and partially located inside delineated wetland.
Lorain County, OH	ATWS-3768	84.4	Yes	No	A14-69	31.6	Waterbody and wetland crossing. ATWS in non-disturbed area and inside the 50-ft wetland buffer...
Lorain County, OH	ATWS-3770	85.1	Yes	No	A14-71	13.1	Bend installation. ATWS located in upland.
Lorain County, OH	ATWS-3773	87.0	Yes	Yes	A14-52/B15-61-S1	0/16.7	Rail, road, waterbody and wetland crossing. ATWS in non-disturbed area. ATWS was not sited under the existing power line transmission corridor to provide a safe working location.
Lorain County, OH	ATWS-773	87.7	Yes	No	B15-95	0	Bend installation. ATWS located within cultivation but also within delineated wetland.
Lorain County, OH	ATWS-2733	87.8	Yes	No	B15-95	0	Bend installation and wetland crossing. ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially located in delineated wetland.
Lorain County, OH	ATWS-209	90.1	No	Yes	A14-76-S1	29.6	Waterbody crossing and Whitehead Rd bored crossing and wetland crossing.

APPENDIX H-6 (cont'd)

ATWS Within 50 feet of Wetlands and Waterbodies on the NGT and TEAL Projects

Project, Facility, County	ATWS ID	Milepost	Within 50 feet of a Wetland	Within 50 feet of a Waterbody	Feature ID	Distance from Resource Area (feet)	Justification
Lorain County, OH	ATWS-4473	92.4	No	Yes	AS-LO-758A/C15-8-S4	12.8/8.5	Access to hydrostatic test water. Workspace parallels waterbody and is within 50-ft buffer of waterbody.
Lorain County, OH	ATWS-4077	93.4	No	Yes	A14-140-S1	16.1	Road and waterbody crossing. ATWS in non-disturbed area
Lorain County, OH	ATWS-1893	94.3	Yes	No	A14-178	12.3	Pipeline. ATWS in non-disturbed area
Lorain County, OH	ATWS-4406	96.3	Yes	No	C15-58	0	Abandoned rail, waterbody and wetland crossing. ATWS in non-disturbed.
Lorain County, OH	ATWS-4405	96.3	Yes	No	C15-58	0	Abandoned rail bored crossing and wetland crossing. ATWS in non-disturbed.
Lorain County, OH	ATWS-2871	96.7	Yes	No	A15-38	0	Quarry Rd bored crossing.
Lorain County, OH	ATWS-2970	100.6	Yes	No	B15-105	43.7	Gore Orphanage Road crossing. ATWS in non-disturbed area and within 50-ft wetland buffer.
Lorain County, OH	ATWS-2432	100.6	Yes	No	B15-105	0	Gore Orphanage Road crossing. ATWS in non-disturbed area and partially located within delineated wetland.
Huron County, OH	ATWS-2781	102.3	No	Yes	A15-57-S1	16.1	Road, and waterbody crossing. ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially located in non-disturbed land. ATWS located partially within 50-ft waterbody buffer.
Erie County, OH	ATWS-2819	105.8	Yes	No	C15-70	0	Road and wetland crossing. ATWS located within delineated wetland
Erie County, OH	ATWS-2791	105.8	Yes	No	C15-70	0	Waterbody and Florence Wakemen Rd crossing and wetland crossing. ATWS located within delineated wetland.
Erie County, OH	ATWS-4098	111.4	Yes	No	B15-60	0	Bend installation. ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially located inside delineated wetland.
Erie County, OH	ATWS-3809	116.5	Yes	Yes	A14-156/A14-156-S2	0/0	Rail /trail and wetland crossing. ATWS in non-disturbed area and within delineated wetland.
Erie County, OH	ATWS-3810	116.5	Yes	Yes	A14-156/A14-155-S1	0/49.1	Rail /trail, waterbody and wetland crossing. ATWS in non-disturbed area and inside delineated wetland and 50-ft wetland buffer
Erie County, OH	ATWS-1554	117.4	No	Yes	C15-20-S1	0	HDD pull back string for Huron River crossing. Spoil will be stored at least 10-ft from water's edge.

APPENDIX H-6 (cont'd)

ATWS Within 50 feet of Wetlands and Waterbodies on the NGT and TEAL Projects

Project, Facility, County	ATWS ID	Milepost	Within 50 feet of a Wetland	Within 50 feet of a Waterbody	Feature ID	Distance from Resource Area (feet)	Justification
Erie County, OH	ATWS-821	120.4	Yes	No	C15-22-W2	0	Road and wetland crossing. ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially located in a delineated wetland.
Sandusky County, OH	ATWS-3521	138.6	Yes	No	AWB-SA-604/D14-9	14.7/0	N STATE ROUTE 510 bored crossing and wetland crossing. ATWS in non-disturbed area and within delineated wetland.
Sandusky County, OH	ATWS-3522	138.6	Yes	Yes	D14-9/D14-9-S1	0/15.5	Road, waterbody and wetland crossing. ATWS in non-disturbed area and within delineated wetland.
Sandusky County, OH	ATWS-2838	139.2	Yes	No	D15-71	0	Road and wetland crossing. ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially located in a delineated wetland.
Sandusky County, OH	ATWS-3859	141.6	Yes	No	D15-32	0	County RD 239 bored crossing and wetland crossing. ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially located within delineated wetland.
Sandusky County, OH	ATWS-2509	141.6	Yes	No	D15-32	0	County RD 239 bored crossing and wetland crossing. ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially located within delineated wetland
Sandusky County, OH	ATWS-2472	145.1	Yes	No	AWB-SA-706	0	HDD pull back string. ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially located in estimated wetland.
Sandusky County, OH	ATWS-2474	146.2	Yes	No	AWB-SA-701	0	Wetland crossing. ATWS partially located within estimated wetland.
Sandusky County, OH	ATWS-4353	146.2	Yes	No	AWB-SA-701	0	Wetland crossing. ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially located within estimated wetland. .
Sandusky County, OH	ATWS-3862	146.3	Yes	Yes	AS-SA-702/AWB-SA-701/AWB-SA-702/D15-104-WB/D15-104-S1/D15-104	22.5/0/4.7/0/8.6/36.9	Waterbody and wetland crossing. ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially located within estimated wetland.

APPENDIX H-6 (cont'd)

ATWS Within 50 feet of Wetlands and Waterbodies on the NGT and TEAL Projects

Project, Facility, County	ATWS ID	Milepost	Within 50 feet of a Wetland	Within 50 feet of a Waterbody	Feature ID	Distance from Resource Area (feet)	Justification
Sandusky County, OH	ATWS-3864	146.4	Yes	Yes	AS-SA-702/AWB-SA-702/D15-104-S1/D15-104	40.3/28.6/40.4/0	Waterbody and wetland crossing. ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially within delineated wetland.
Sandusky County, OH	ATWS-3863	146.4	Yes	Yes	AWB-SA-701/AWB-SA-702/AS-SA-702	0/13.3/17.8	Waterbody and wetland crossing. ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially within estimated wetland.
Sandusky County, OH	ATWS-4125	157.6	Yes	No	D14-41	0	Road and wetland crossing. ATWS in non-disturbed area.
Sandusky County, OH	ATWS-4127	158.1	Yes	No	E14-123/E14-124/D14-42	0/11.4/20.3	N STATE ROUTE 300 bored crossing and wetland crossing. ATWS in non-disturbed area and partially within delineated wetland.
Sandusky County, OH	ATWS-1948	158.1	Yes	No	E14-123/D14-42	0/8.4	N STATE ROUTE 300 bored crossing and wetland crossing. ATWS in non-disturbed area and within delineated wetland.
Sandusky County, OH	ATWS-347	158.2	Yes	No	D14-42/E14-123	0/8.4	Road and wetland crossing. ATWS in non-disturbed area and within delineated wetland.
Sandusky County, OH	ATWS-4128	158.2	Yes	No	D14-42	0	N STATE ROUTE 300 bored crossing and wetland crossing. ATWS located within delineated wetland.
Sandusky County, OH	ATWS-4129	158.6	Yes	Yes	D14-25/D14-25-S1	0/35.4	Waterbody and wetland crossing. ATWS located within delineated wetland.
Wood County, OH	ATWS-2903	166.7	Yes	No	E14-152/D15-62A	0/33.1	Rail and wetland crossing. ATWS partially in disturbed area and partially in non-disturbed area. ATWS located partially in AG-PEM Wetland and partially within delineated wetland
Wood County, OH	ATWS-4435	181.3	Yes	Yes	D15-107/E14-55-S1	0/0	Access to hydrotest water at Maumee River. Spoil will be stored at least 10-ft from water's edge (if applicable). ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially located in non-disturbed area.
Henry County, OH	ATWS-4169	189.3	Yes	No	E15-27	0	COUNTY RD 1 bored crossing and wetland crossing and Bend. ATWS located in upland consisting of cultivated or rotated cropland or disturbed land.
Henry County, OH	ATWS-2032	189.8	Yes	No	D15-54	2.3	Wetland and existing pipeline crossing. ATWS located in upland.
Henry County, OH	ATWS-4174	190.0	Yes	No	AWB-HE-400	46.7	Wetland and existing pipeline and rail/trail crossing. ATWS partially located in undisturbed area.

APPENDIX H-6 (cont'd)

ATWS Within 50 feet of Wetlands and Waterbodies on the NGT and TEAL Projects

Project, Facility, County	ATWS ID	Milepost	Within 50 feet of a Wetland	Within 50 feet of a Waterbody	Feature ID	Distance from Resource Area (feet)	Justification
Lenawee County, MI	ATWS-452	209.9	Yes	Yes	AWB-LE-612/AS-LE-607	34.5/0	Railroad, road, waterbody and foreign pipeline crossing. ATWS located in upland consisting of cultivated or rotated cropland or disturbed land. The ATWS is required for the additional equipment and storage of spoil required to safely construct the railroad, road, waterbody, and foreign pipeline crossings. ATWS also to be utilized to gain access to E Mulberry Rd via temporary driveway and culvert installation under permit of local jurisdiction to allow equipment to move around past the railroad.
Washtenaw County, OH	ATWS-4375	237.4	No	Yes	E14-157-S1	0	Access to hydrotest water. Spoil will be stored at least 10-ft from water's edge.
Washtenaw County, OH	ATWS-4390	245.2	Yes	No	E14-167/AWB-WA-4	0/25.9	Road and wetland crossing. ATWS located within delineated wetland.
Washtenaw County, OH	ATWS-2675	245.8	No	Yes	D15-122-S1	27.7	Topsoil segregation, waterbody crossing and bend installation. ATWS partially located in upland consisting of cultivated or rotated cropland or disturbed land and partially located in non-disturbed area within 50-ft waterbody buffer.
Washtenaw County, OH	ATWS-2676	248.1	No	Yes	D15-29-S1	19.1	Road and waterbody crossing. ATWS in non-disturbed area and within 50-ft waterbody buffer.
Washtenaw County, OH	ATWS-1619	250.6	Yes	No	D15-79	15.0	Hydro Park HDD entry workspace. ATWS in non-disturbed area and within 50-ft wetland buffer.
Washtenaw County, OH	ATWS-1621	251.1	No	Yes	D15-58A-WB1	0	Access to hydrotest water. Spoil will be stored at least 10-ft from water's edge. ATWS in non-disturbed area and within 50-ft waterbody buffers.
Washtenaw County, OH	ATWS-3873	254.3	Yes	No	D15-77	0	HDD entry location. ATWS in non-disturbed area and within delineated wetland.
Washtenaw County, OH	ATWS-4513	254.3	Yes	No	D15-77	0	HDD entry location. ATWS in non-disturbed area and within delineated wetland.
Washtenaw County, OH	ATWS-2721	254.7	Yes	Yes	D15-77/D15-77-S1	9.4/13.3	Bend installation and existing pipeline and waterbody crossing. ATWS partially located in disturbed area and partially located in non-disturbed area and within 50-ft wetland and waterbody buffers.
Washtenaw County, OH	ATWS-4508	254.5	Yes	No	D15-77	0	Bend installation. ATWS in non-disturbed area and within delineated wetland.
Washtenaw County, OH	ATWS-4539	254.5	Yes	No	D15-77	0	Tie-in location to adjacent HDD entry point and equipment movement/access. ATWS in non-disturbed area and within delineated wetland.

APPENDIX H-6 (cont'd)

ATWS Within 50 feet of Wetlands and Waterbodies on the NGT and TEAL Projects

Project, Facility, County	ATWS ID	Milepost	Within 50 feet of a Wetland	Within 50 feet of a Waterbody	Feature ID	Distance from Resource Area (feet)	Justification
Washtenaw County, OH	ATWS-4541	254.5	Yes	No	D15-77	0	Material/Equipment access. ATWS in non-disturbed area and within delineated wetland.
Washtenaw County, OH	ATWS-4540	254.7	Yes	No	D15-77	0	Material/Equipment access. ATWS in non-disturbed area and partially located within delineated wetland.
Washtenaw County, OH	ATWS-2740	254.8	Yes	Yes	D15-44/D15-43-S1/D15-43-WB2	0/48.5/2.9	Waterbody and wetland crossing. ATWS partially located within delineated wetland.
Washtenaw County, OH	ATWS-4413	255.0	Yes	No	D15-42/D15-41	0/0	Willow Run M&R workspace. Trench spoil will be stored at least 10-ft from water's edge.
TEAL PROJECT							
Loopline							
Monroe County, OH	ATWS-04	0.75	Yes	Yes	A15-03-S1/A15-24-S1/A15-24/A15-03	5/30/10	Access road entry, and wetland and stream(s) crossing. Parking, spoil storage, timber mat storage (for wetlands), prefabricate pipe segment for crossing, and maintain access of pipeline construction equipment and personnel. Severe slope. Prepare level work site, spoil storage (additional area due to minimum of 30% expansion of material once excavated), parking, and maintain access of pipeline construction equipment and personnel.
Monroe County, OH	ATWS-08	1.2	Yes	Yes	A15-07-S1/A15-07	10/0	Wetland and stream(s) crossing. Parking, spoil storage, timber mat storage (for wetlands), prefabricate pipe segment for crossing, and maintain access of pipeline construction equipment and personnel. Severe slope. Prepare level work site, spoil storage (additional area due to minimum of 30% expansion of material once excavated), parking, and maintain access of pipeline construction equipment and personnel.
Monroe County, OH	ATWS-10	1.2	Yes	Yes	A15-07-S1/A15-07	10/0	Road, wetland and stream(s) crossing. Parking, spoil storage, timber mat storage (for wetlands), road crossing materials storage, prefabricate pipe segment for crossing, and maintain access of pipeline construction equipment and personnel. Severe slope. Prepare level work site, spoil storage (additional area due to minimum of 30% expansion of material once excavated), parking, and maintain access of pipeline construction equipment and personnel.

APPENDIX H-6 (cont'd)

ATWS Within 50 feet of Wetlands and Waterbodies on the NGT and TEAL Projects

Project, Facility, County	ATWS ID	Milepost	Within 50 feet of a Wetland	Within 50 feet of a Waterbody	Feature ID	Distance from Resource Area (feet)	Justification
Monroe County, OH	ATWS-11	1.6	Yes	Yes	A15-08-S1/A15-08	10/5	Wetland and stream(s) crossing. Parking, spoil storage, timber mat storage (for wetlands), prefabricate pipe segment for crossing, and maintain access of pipeline construction equipment and personnel. Severe slope. Prepare level work site, spoil storage (additional area due to minimum of 30% expansion of material once excavated), parking, and maintain access of pipeline construction equipment and personnel.
Monroe County, OH	ATWS-12	1.6	Yes	Yes	A15-08-S1/A15-08/A15-09	35/25/20	Wetland and stream(s) crossing. Parking, spoil storage, timber mat storage (for wetlands), prefabricate pipe segment for crossing, and maintain access of pipeline construction equipment and personnel. Severe slope. Prepare level work site, spoil storage (additional area due to minimum of 30% expansion of material once excavated), parking, and maintain access of pipeline construction equipment and personnel.
Monroe County, OH	ATWS-13	1.65	Yes	No	A15-09	0	Wetland crossing. Parking, spoil storage, timber mat storage, prefabricate wetland and stream pipe segment, and maintain through access of pipeline construction equipment and personnel. Severe slope. Prepare level work site, spoil storage (additional area due to minimum of 30% expansion of material once excavated), parking, and maintain access of pipeline construction equipment and personnel.
Monroe County, OH	ATWS-14	1.65	Yes	No	A15-09	30	Wetland crossing. Parking, spoil storage, timber mat storage, prefabricate wetland and stream pipe segment, and maintain through access of pipeline construction equipment and personnel. Severe slope. Prepare level work site, spoil storage (additional area due to minimum of 30% expansion of material once excavated), parking, and maintain access of pipeline construction equipment and personnel.

APPENDIX H-6 (cont'd)

ATWS Within 50 feet of Wetlands and Waterbodies on the NGT and TEAL Projects

Project, Facility, County	ATWS ID	Milepost	Within 50 feet of a Wetland	Within 50 feet of a Waterbody	Feature ID	Distance from Resource Area (feet)	Justification
Monroe County, OH	ATWS-15	2.05	Yes	No	A15-21	40	Access road entry. Parking, prefabricate access road crossing pipe segment, spoil storage, and maintain access of pipeline construction equipment and personnel.
Monroe County, OH	ATWS-16	2.05	Yes	No	A15-21	1	Access road entry. Parking, prefabricate access road crossing pipe segment, spoil storage, and maintain access of pipeline construction equipment and personnel.
Monroe County, OH	ATWS-18	2.1	No	Yes	A15-11-S1/A15-11-S2	0/10	Wetland crossing and stream(s) crossing. Parking, spoil storage, timber mat storage (for wetlands), prefabricate pipe segment for crossing, and maintain access of pipeline construction equipment and personnel. Severe slope. Prepare level work site, spoil storage (additional area due to minimum of 30% expansion of material once excavated), parking, and maintain access of pipeline construction equipment and personnel.
Monroe County, OH	ATWS-19	2.15	No	Yes	A15-11-S2	15	Wetland and stream(s) crossing. Parking, spoil storage, timber mat storage (for wetlands), prefabricate pipe segment for crossing, and maintain access of pipeline construction equipment and personnel. Severe slope. Prepare level work site, spoil storage (additional area due to minimum of 30% expansion of material once excavated), parking, and maintain access of pipeline construction equipment and personnel.
Monroe County, OH	ATWS-22	2.5	No	Yes	A15-13-S1	5	Road and overhead powerline crossing. Parking, spoil storage, road crossing materials storage, additional construction equipment to install the pipeline segment under overhead powerlines, prefabricate pipe segment to be installed, and maintain access of pipeline construction equipment and personnel. Severe slope. Prepare level work site, spoil storage (additional area due to minimum of 30% expansion of material once excavated), parking, and maintain access of pipeline construction equipment and personnel.

APPENDIX H-6 (cont'd)

ATWS Within 50 feet of Wetlands and Waterbodies on the NGT and TEAL Projects

Project, Facility, County	ATWS ID	Milepost	Within 50 feet of a Wetland	Within 50 feet of a Waterbody	Feature ID	Distance from Resource Area (feet)	Justification
Monroe County, OH	ATWS-34	4.0	Yes	No	B15-20/B15-21	0/5	Wetland crossing. Parking, spoil storage, timber mat storage, prefabricate wetland and stream pipe segment, and maintain through access of pipeline construction equipment and personnel. Severe slope. Prepare level work site, spoil storage (additional area due to minimum of 30% expansion of material once excavated), parking, and maintain access of pipeline construction equipment and personnel.
Monroe County, OH	ATWS-35	4.1	Yes	Yes	A15-18-S2/B15-21	10/0	Wetland and stream(s) crossing. Parking, spoil storage, timber mat storage (for wetlands), prefabricate pipe segment for crossing, and maintain access of pipeline construction equipment and personnel. Severe slope. Prepare level work site, spoil storage (additional area due to minimum of 30% expansion of material once excavated), parking, and maintain access of pipeline construction equipment and personnel.
Monroe County, OH	ATWS-36	4.25	Yes	Yes	A15-18-S2/A15-18-S1/A15-18	10/40/0	Wetland and stream(s) crossing. Parking, spoil storage, timber mat storage (for wetlands), prefabricate pipe segment for crossing, and maintain access of pipeline construction equipment and personnel. Severe slope. Prepare level work site, spoil storage (additional area due to minimum of 30% expansion of material once excavated), parking, and maintain access of pipeline construction equipment and personnel.
Monroe County, OH	ATWS-37	4.3	No	Yes	A15-19-S1	40	Wetland and stream(s) crossing. Parking, spoil storage, timber mat storage (for wetlands), prefabricate pipe segment for crossing, and maintain access of pipeline construction equipment and personnel. Severe slope. Prepare level work site, spoil storage (additional area due to minimum of 30% expansion of material once excavated), parking, and maintain access of pipeline construction equipment and personnel.

APPENDIX I

WETLAND TABLES

I-1: NGT PROJECT WETLAND IMPACTS
I-2: TEAL PROJECT WETLAND IMPACTS

APPENDIX I-1

NGT PROJECT WETLAND IMPACTS

APPENDIX I-1

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
MAINLINE						
Ohio						
Columbiana	0.1	B15-17	PFO	0.0	0.0	0.0
Columbiana	0.1	B15-17	PFO	42.2	0.1	0.0
Columbiana	0.1	B15-17	PFO	42.2	0.1	0.1
Columbiana	0.6	B15-28	PSS	0.0	0.0	0.0
Columbiana	0.6	B15-28	PSS	182.2	0.2	0.0
Columbiana	0.6	B15-28	PSS	182.2	0.2	0.2
Columbiana	0.7	B15-28	PEM	0.0	0.0	0.0
Columbiana	0.7	B15-17	PEM	0.0	0.0	0.0
Columbiana	0.7	B15-17	PEM	20.8	0.0	0.0
Columbiana	0.7	B15-17	PEM	20.8	0.0	0.0
Columbiana	1.0	B15-29	PEM	0.0	0.1	0.0
Columbiana	1.0	B15-29	PEM	216.6	0.2	0.0
Columbiana	1.0	B15-29	PEM	216.6	0.2	0.0
Columbiana	1.2	C15-84	PSS	0.0	0.1	0.0
Columbiana	1.2	C15-84	PSS	135.7	0.1	0.0
Columbiana	1.2	C15-84	PSS	135.7	0.1	0.1
Columbiana	1.2	C15-84	PEM	0.0	0.0	0.0
Columbiana	1.2	C15-84	PEM	31.5	0.0	0.0
Columbiana	1.2	C15-84	PEM	31.5	0.0	0.0
Columbiana	1.2	C15-84	PFO	0.0	0.0	0.0
Columbiana	1.2	C15-84	PFO	0.0	0.0	0.0
Columbiana	2.0	A14-5	PEM	0.0	0.0	0.0
Columbiana	2.0	A14-5	PEM	25.7	0.0	0.0
Columbiana	2.0	A14-5	PEM	25.7	0.0	0.0
Columbiana	2.1	A14-5	AG-PEM	0.0	0.0	0.0
Columbiana	2.1	A14-5	AG-PEM	21.7	0.0	0.0
Columbiana	2.1	A14-5	AG-PEM	21.7	0.0	0.0
Columbiana	2.1	A14-5	PEM	0.0	0.2	0.0
Columbiana	2.1	A14-5	PEM	297.9	0.3	0.0
Columbiana	2.1	A14-5	PEM	297.9	0.3	0.0
Columbiana	2.2	A14-5	AG-PEM	0.0	0.3	0.0
Columbiana	2.2	A14-5	AG-PEM	257.9	0.3	0.0
Columbiana	2.2	A14-5	AG-PEM	257.9	0.3	0.0
Columbiana	2.2	A14-5	AG-PEM	0.0	0.0	0.0
Columbiana	2.2	A14-5	AG-PEM	16.6	0.0	0.0
Columbiana	2.2	A14-5	AG-PEM	16.6	0.0	0.0
Columbiana	2.2	A14-5	AG-PEM	0.0	0.1	0.0
Columbiana	2.2	A14-5	AG-PEM	65.4	0.1	0.0
Columbiana	2.2	A14-5	AG-PEM	65.4	0.1	0.0
Columbiana	4.9	A14-10	PEM	0.0	0.0	0.0
Columbiana	4.9	A14-10	PSS	0.0	0.1	0.0
Columbiana	4.9	A14-10	PSS	126.6	0.2	0.0
Columbiana	4.9	A14-10	PSS	126.6	0.2	0.2
Columbiana	4.9	A14-10	PFO	0.0	0.0	0.0
Columbiana	4.9	A14-10	PEM	0.0	0.1	0.0
Columbiana	4.9	A14-10	PEM	174.9	0.2	0.0
Columbiana	4.9	A14-10	PEM	174.9	0.2	0.0
Columbiana	5.0	A14-10	PSS	0.0	0.2	0.0
Columbiana	5.0	A14-10	PSS	305.4	0.3	0.0
Columbiana	5.0	A14-10	PSS	305.4	0.3	0.3

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Columbiana	5.2	A14-11	PEM	0.0	0.0	0.0
Columbiana	5.2	A14-11	PEM	44.4	0.0	0.0
Columbiana	5.2	A14-11	PEM	44.4	0.0	0.0
Columbiana	5.3	A14-11	PFO	0.0	0.0	0.0
Columbiana	5.3	A14-11	PFO	30.7	0.0	0.0
Columbiana	5.3	A14-11	PFO	30.7	0.0	0.0
Columbiana	5.3	A15-25	PEM	0.0	0.0	0.0
Columbiana	5.6	A14-126	PEM	0.0	0.0	0.0
Columbiana	5.6	A14-126	PEM	17.5	0.0	0.0
Columbiana	5.6	A14-126	PEM	17.5	0.0	0.0
Columbiana	5.6	A14-126	PEM	0.0	0.0	0.0
Columbiana	5.6	A14-126	PEM	0.0	0.0	0.0
Columbiana	5.6	A14-126	PEM	0.0	0.0	0.0
Columbiana	5.7	A14-127	PEM	0.0	0.0	0.0
Columbiana	5.7	A14-127	PEM	0.0	0.0	0.0
Columbiana	5.7	A14-127	PEM	0.0	0.0	0.0
Columbiana	6.4	C15-118	PEM	0.0	0.0	0.0
Columbiana	6.4	C15-118	PEM	60.4	0.1	0.0
Columbiana	6.4	C15-118	PEM	60.4	0.1	0.0
Columbiana	6.4	C15-118	PEM	0.0	0.0	0.0
Columbiana	6.4	C15-118	PEM	82.2	0.1	0.0
Columbiana	6.4	C15-118	PEM	82.2	0.1	0.0
Columbiana	6.4	C15-117	PEM	0.0	0.0	0.0
Columbiana	6.4	A14-12	PEM	0.0	0.0	0.0
Columbiana	6.4	A14-12	PEM	33.7	0.1	0.0
Columbiana	6.4	A14-12	PEM	33.7	0.1	0.0
Columbiana	8.0	B15-31	PEM	0.0	0.0	0.0
Columbiana	8.1	B15-31	PEM	342.5	0.4	0.0
Columbiana	8.1	B15-31	PUB	153.5	0.2	0.0
Columbiana	10.3	A14-14	PEM	0.0	0.1	0.0
Columbiana	10.3	A14-14	PEM	167.4	0.2	0.0
Columbiana	10.3	A14-14	PEM	167.4	0.2	0.0
Columbiana	10.6	A14-15	PEM	0.0	0.0	0.0
Columbiana	10.6	A14-15	PEM	26.3	0.0	0.0
Columbiana	10.6	A14-15	PEM	26.3	0.0	0.0
Columbiana	11.0	C15-65	PSS	0.0	0.0	0.0
Columbiana	11.0	C15-65	PSS	26.3	0.0	0.0
Columbiana	11.0	C15-65	PSS	26.3	0.0	0.0
Columbiana	11.0	A15-33	PSS	0.0	0.0	0.0
Columbiana	11.0	A15-33	PSS	45.4	0.0	0.0
Columbiana	11.0	A15-33	PSS	45.4	0.0	0.0
Columbiana	11.0	A15-33	PEM	0.0	0.0	0.0
Columbiana	11.0	A15-33	PEM	26.6	0.0	0.0
Columbiana	11.0	A15-33	PEM	26.6	0.0	0.0
Columbiana	11.0	A15-33	PSS	0.0	0.0	0.0
Columbiana	11.0	A15-33	PSS	0.0	0.0	0.0
Columbiana	11.0	A15-33	PSS	0.0	0.0	0.0
Columbiana	11.0	A15-33	PSS	2.4	0.0	0.0
Columbiana	11.0	A15-33	PSS	2.4	0.0	0.0
Columbiana	11.0	A15-33	AG-PEM	0.0	0.0	0.0
Columbiana	11.0	A15-33	AG-PEM	0.0	0.0	0.0
Columbiana	11.0	A15-33	PEM	0.0	0.0	0.0
Columbiana	11.0	A15-33	PEM	43.3	0.0	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Columbiana	11.0	A15-33	PEM	43.3	0.0	0.0
Columbiana	11.2	A15-34	PEM	0.0	0.1	0.0
Columbiana	11.2	A15-34	PEM	269.0	0.3	0.0
Columbiana	11.2	A15-34	PEM	269.0	0.3	0.0
Columbiana	11.3	A15-31	PEM	0.0	0.0	0.0
Columbiana	11.3	A15-31	PEM	47.9	0.1	0.0
Columbiana	11.3	A15-31	PEM	47.9	0.1	0.0
Columbiana	11.3	A15-31	PEM	0.0	0.0	0.0
Columbiana	11.3	A15-31	PEM	41.2	0.0	0.0
Columbiana	11.3	A15-31	PEM	41.2	0.0	0.0
Columbiana	11.4	A15-32	PEM	0.0	0.1	0.0
Columbiana	11.4	A15-32	PEM	0.0	0.0	0.0
Columbiana	11.4	A15-32	PEM	0.0	0.0	0.0
Columbiana	11.7	A14-17	PEM	0.0	0.0	0.0
Columbiana	11.7	A14-17	PEM	43.2	0.0	0.0
Columbiana	11.7	A14-17	PEM	43.2	0.0	0.0
Columbiana	11.8	A14-17	PEM	0.0	0.0	0.0
Columbiana	11.8	A14-17	PEM	24.3	0.0	0.0
Columbiana	11.8	A14-17	PEM	24.3	0.0	0.0
Stark	13.0	A14-108	PEM	0.0	0.0	0.0
Stark	13.0	A14-108	PEM	85.3	0.1	0.0
Stark	13.0	A14-108	PEM	85.3	0.1	0.0
Stark	13.1	A14-108	PEM	0.0	0.2	0.0
Stark	13.1	A14-108	PEM	350.0	0.4	0.0
Stark	13.1	A14-108	PEM	350.0	0.4	0.0
Stark	13.3	B15-64	PEM	0.0	0.1	0.0
Stark	13.3	B15-64	PEM	238.8	0.3	0.0
Stark	13.3	B15-64	PEM	238.8	0.3	0.0
Stark	13.8	A15-47	PFO	0.0	0.0	0.0
Stark	14.0	B15-55	PEM	0.0	0.0	0.0
Stark	14.0	B15-55	PEM	0.0	0.0	0.0
Stark	14.0	B15-55	PEM	0.0	0.0	0.0
Stark	14.8	A14-20	AG-PEM	0.0	0.0	0.0
Stark	15.0	A14-21	PEM	0.0	0.0	0.0
Stark	15.0	A14-21	PEM	73.8	0.1	0.0
Stark	15.0	A14-21	PEM	73.8	0.1	0.0
Stark	15.1	A14-21	AG-PEM	0.0	0.3	0.0
Stark	15.1	A14-21	AG-PEM	281.2	0.3	0.0
Stark	15.1	A14-21	AG-PEM	281.2	0.3	0.0
Stark	15.4	C15-92	PSS	0.0	0.2	0.0
Stark	15.4	C15-92	PSS	380.2	0.5	0.0
Stark	15.4	C15-92	PSS	380.2	0.5	0.5
Stark	15.4	C15-92	PEM	0.0	0.1	0.0
Stark	15.4	C15-92	PEM	163.3	0.2	0.0
Stark	15.4	C15-92	PEM	163.3	0.2	0.0
Stark	15.6	A15-64	AG-PEM	0.0	0.0	0.0
Stark	15.6	A15-64	AG-PEM	0.0	0.0	0.0
Stark	15.6	A15-64	AG-PEM	0.0	0.0	0.0
Stark	15.8	A15-27	PEM	0.0	0.0	0.0
Stark	15.8	A15-27	PEM	38.3	0.0	0.0
Stark	15.8	A15-27	PEM	38.3	0.0	0.0
Stark	16.4	B15-119	AG-PEM	0.0	0.0	0.0
Stark	16.4	B15-119	AG-PEM	0.0	0.0	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Stark	16.4	B15-119	AG-PEM	0.0	0.0	0.0
Stark	16.5	B15-119	PEM	0.0	0.1	0.0
Stark	16.5	B15-119	PEM	216.7	0.2	0.0
Stark	16.5	B15-119	PEM	216.7	0.2	0.0
Stark	16.6	C15-116	PEM	0.0	0.0	0.0
Stark	16.6	C15-116	PEM	79.0	0.1	0.0
Stark	16.6	C15-116	PEM	79.0	0.1	0.0
Stark	16.7	C15-116	PEM	0.0	0.1	0.0
Stark	16.7	C15-116	PEM	0.0	0.0	0.0
Stark	16.7	C15-116	PEM	0.0	0.0	0.0
Stark	16.8	C15-116	PEM	0.0	0.2	0.0
Stark	16.8	C15-116	PEM	264.4	0.3	0.0
Stark	16.8	C15-116	PEM	264.4	0.3	0.0
Stark	17.0	C15-116	PEM	0.0	0.0	0.0
Stark	17.0	C15-116	PEM	48.4	0.1	0.0
Stark	17.0	C15-116	PEM	48.4	0.1	0.0
Stark	17.0	C15-116	PFO	0.0	0.0	0.0
Stark	17.0	C15-116	PFO	36.3	0.0	0.0
Stark	17.0	C15-116	PFO	36.3	0.0	0.0
Stark	17.2	C15-116	PFO	0.0	0.4	0.0
Stark	17.2	C15-116	PFO	677.9	0.8	0.0
Stark	17.2	C15-116	PFO	677.9	0.8	0.8
Stark	17.3	A14-107	AG-PEM	0.0	0.1	0.0
Stark	17.3	A14-107	AG-PEM	35.3	0.1	0.0
Stark	17.3	A14-107	AG-PEM	35.3	0.1	0.0
Stark	17.6	A14-106	PSS	0.0	0.0	0.0
Stark	17.6	A14-106	PSS	85.7	0.1	0.0
Stark	17.6	A14-106	PSS	85.7	0.1	0.1
Stark	18.0	A14-104	PEM	0.0	0.0	0.0
Stark	18.0	A14-104	PEM	16.9	0.0	0.0
Stark	18.0	A14-104	PEM	16.9	0.0	0.0
Stark	19.0	C15-85	AG-PEM	0.0	0.0	0.0
Stark	19.0	C15-85	AG-PEM	0.0	0.0	0.0
Stark	19.0	C15-85	AG-PEM	0.0	0.0	0.0
Stark	19.0	C15-85	AG-PEM	0.0	0.0	0.0
Stark	19.0	C15-85	AG-PEM	33.4	0.1	0.0
Stark	19.0	C15-85	AG-PEM	33.4	0.1	0.0
Stark	19.4	C15-87	PSS	0.0	0.1	0.0
Stark	19.4	C15-87	PSS	145.8	0.1	0.0
Stark	19.4	C15-87	PSS	145.8	0.1	0.1
Stark	20.4	B15-42	PEM	0.0	0.0	0.0
Stark	22.3	B15-40	PEM	0.0	0.1	0.0
Stark	22.3	B15-40	PEM	101.6	0.1	0.0
Stark	22.3	B15-40	PEM	101.6	0.1	0.0
Stark	24.3	C15-124	PEM	0.0	0.0	0.0
Stark	24.6	A14-161	PFO	0.0	0.0	0.0
Stark	24.6	A14-161	PFO	17.0	0.0	0.0
Stark	24.6	A14-161	PFO	17.0	0.0	0.0
Stark	24.6	A14-161	PFO	0.0	0.0	0.0
Stark	24.6	A14-161	PFO	59.3	0.1	0.0
Stark	24.6	A14-161	PFO	59.3	0.1	0.1
Stark	25.4	A14-167	PSS	0.0	0.0	0.0
Stark	25.4	A14-167	PSS	27.0	0.0	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Stark	25.4	A14-167	PSS	27.0	0.0	0.0
Stark	26.7	A14-100	PEM	0.0	0.1	0.0
Stark	26.7	A14-100	PEM	65.9	0.0	0.0
Stark	26.7	A14-100	PEM	65.9	0.0	0.0
Stark	26.7	A14-100	PEM	0.0	0.0	0.0
Stark	27.4	B15-46	PEM	0.0	0.0	0.0
Stark	27.4	B15-46	PEM	28.4	0.0	0.0
Stark	27.4	B15-46	PEM	28.4	0.0	0.0
Stark	27.9	A14-34	PEM	0.0	0.5	0.0
Stark	27.9	A14-34	PEM	927.6	1.1	0.0
Stark	27.9	A14-34	PEM	927.6	1.1	0.0
Stark	28.0	A14-34	PEM	0.0	0.0	0.0
Stark	28.0	A14-34	PEM	20.7	0.0	0.0
Stark	28.0	A14-34	PEM	20.7	0.0	0.0
Stark	28.0	A14-34	PEM	20.7	0.0	0.0
Stark	28.9	A14-168	PFO	0.0	0.0	0.0
Stark	28.9	A14-168	PFO	0.0	0.1	0.0
Stark	28.9	A14-168	PFO	131.0	0.1	0.0
Stark	28.9	A14-168	PFO	131.0	0.1	0.1
Stark	29.0	A14-168	PEM	26.1	0.0	0.0
Stark	29.0	A14-168	PEM	26.1	0.0	0.0
Stark	29.3	B15-58	PFO	0.0	0.0	0.0
Stark	29.3	B15-58	PFO	44.8	0.1	0.0
Stark	29.3	B15-58	PFO	44.8	0.1	0.1
Stark	29.9	B15-104	PEM	0.0	0.0	0.0
Stark	29.9	B15-104	PEM	16.8	0.0	0.0
Stark	29.9	B15-104	PEM	16.8	0.0	0.0
Stark	30.0	C15-114	PSS	0.0	0.0	0.0
Stark	30.0	C15-114	PSS	12.5	0.0	0.0
Stark	30.0	C15-114	PSS	12.5	0.0	0.0
Stark	30.0	C15-115	PFO	0.0	0.0	0.0
Stark	30.0	C15-115	PFO	0.0	0.0	0.0
Stark	30.0	C15-115	PFO	0.0	0.0	0.0
Stark	31.3	A15-2	PFO	0.0	0.0	0.0
Stark	31.3	A15-2	PFO	71.4	0.1	0.0
Stark	31.3	A15-2	PFO	71.4	0.1	0.1
Stark	32.1	A14-164	PEM	0.0	0.0	0.0
Stark	32.1	A14-164	AG-PEM	0.0	0.2	0.0
Stark	32.1	A14-164	AG-PEM	181.7	0.2	0.0
Stark	32.1	A14-164	AG-PEM	181.7	0.2	0.0
Stark	32.2	A14-164	AG-PEM	0.0	0.1	0.0
Stark	32.2	A14-164	AG-PEM	74.8	0.1	0.0
Stark	32.2	A14-164	AG-PEM	74.8	0.1	0.0
Stark	32.3	A14-164	PEM	0.0	0.2	0.0
Stark	32.3	A14-164	PEM	231.2	0.2	0.0
Stark	32.3	A14-164	PEM	231.2	0.2	0.0
Stark	33.5	A15-94	PEM	0.0	0.0	0.0
Stark	33.5	A15-94	PEM	55.9	0.1	0.0
Stark	33.5	A15-94	PEM	55.9	0.1	0.0
Stark	33.6	B15-73	PFO	0.0	0.1	0.0
Stark	33.6	B15-73	PFO	251.8	0.2	0.0
Stark	33.6	B15-73	PFO	251.8	0.2	0.2
Stark	33.8	B15-73	PFO	0.0	0.0	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Stark	33.8	B15-73	PFO	61.4	0.1	0.0
Stark	33.8	B15-73	PFO	61.4	0.1	0.1
Stark	33.8	B15-73	PFO	0.0	0.1	0.0
Stark	33.8	B15-73	PFO	292.3	0.3	0.0
Stark	33.8	B15-73	PFO	292.3	0.3	0.3
Stark	34.1	C15-103	AG-PEM	0.0	0.0	0.0
Summit	34.3	A15-71	PSS	0.0	0.0	0.0
Summit	34.3	A15-71	PSS	141.6	0.2	0.0
Summit	34.3	A15-71	PSS	141.6	0.2	0.2
Summit	34.3	A15-71	PEM	0.0	0.1	0.0
Summit	34.3	A15-71	PEM	153.0	0.2	0.0
Summit	34.3	A15-71	PEM	153.0	0.2	0.0
Summit	34.3	A15-71	PSS	0.0	0.0	0.0
Summit	34.3	A15-71	PSS	78.5	0.1	0.0
Summit	34.3	A15-71	PSS	78.5	0.1	0.1
Summit	34.4	A15-71	PSS	0.0	0.4	0.0
Summit	34.4	A15-71	PSS	670.5	0.7	0.0
Summit	34.4	A15-71	PSS	670.5	0.7	0.7
Summit	34.5	AWB-SU-213	PFO	0.0	0.1	0.0
Summit	34.5	AWB-SU-213	PFO	233.1	0.3	0.0
Summit	34.5	AWB-SU-213	PFO	233.1	0.3	0.3
Summit	34.6	A15-71	PSS	0.0	0.3	0.0
Summit	34.6	A15-71	PSS	466.5	0.6	0.0
Summit	34.6	A15-71	PSS	466.5	0.6	0.6
Summit	34.6	A15-71	PEM	0.0	0.1	0.0
Summit	34.6	A15-71	PEM	108.9	0.1	0.0
Summit	34.6	A15-71	PEM	108.9	0.1	0.0
Summit	34.7	A15-71	PEM	0.0	0.0	0.0
Summit	34.7	A15-71	PEM	153.6	0.1	0.0
Summit	34.7	A15-71	PEM	153.6	0.1	0.0
Summit	35.1	B15-68	PFO	0.0	0.0	0.0
Summit	35.1	B15-68	PFO	64.2	0.1	0.0
Summit	35.1	B15-68	PFO	64.2	0.1	0.1
Summit	35.4	AWB-SU-3	PFO	0.0	0.1	0.0
Summit	35.4	AWB-SU-3	PFO	200.6	0.2	0.0
Summit	35.4	AWB-SU-3	PFO	200.6	0.2	0.2
Summit	35.6	AWB-SU-4	PEM/PSS	0.0	0.1	0.0
Summit	35.6	AWB-SU-4	PFO	0.0	0.2	0.0
Summit	35.6	AWB-SU-4	PFO	210.6	0.2	0.0
Summit	35.6	AWB-SU-4	PFO	210.6	0.2	0.2
Summit	35.6	A15-90	PEM	0.0	0.0	0.0
Summit	35.6	A15-90	PEM	31.7	0.0	0.0
Summit	35.6	A15-90	PEM	31.7	0.0	0.0
Summit	35.6	A15-90	AG-PEM	0.0	0.0	0.0
Summit	35.9	AWB-SU-400	PEM	0.0	0.2	0.0
Summit	35.9	AWB-SU-400	PEM	288.7	0.2	0.0
Summit	35.9	AWB-SU-400	PEM	288.7	0.2	0.0
Summit	35.9	A15-91	PFO	45.7	0.2	0.0
Summit	35.9	A15-91	PFO	45.7	0.2	0.2
Summit	36.0	AWB-SU-401	PEM	0.0	0.0	0.0
Summit	36.0	AWB-SU-401	PEM	43.3	0.0	0.0
Summit	36.0	AWB-SU-401	PEM	43.3	0.0	0.0
Summit	36.1	AWB-SU-401	PEM	0.0	0.1	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Summit	36.1	AWB-SU-401	PEM	141.2	0.1	0.0
Summit	36.1	AWB-SU-401	PEM	141.2	0.1	0.0
Summit	36.4	B15-125	PEM	0.0	0.0	0.0
Summit	36.4	B15-125	PEM	31.4	0.0	0.0
Summit	36.4	B15-125	PEM	31.4	0.0	0.0
Summit	36.5	C15-104	PSS	0.0	0.1	0.0
Summit	36.5	C15-104	PSS	341.6	0.2	0.0
Summit	36.5	C15-104	PSS	341.6	0.2	0.2
Summit	36.7	C15-106	PSS	0.0	0.2	0.0
Summit	36.7	C15-106	PSS	210.5	0.2	0.0
Summit	36.7	C15-106	PSS	210.5	0.2	0.2
Summit	36.7	C15-106	PEM	0.0	0.1	0.0
Summit	36.7	C15-106	PEM	338.1	0.4	0.0
Summit	36.7	C15-106	PEM	338.1	0.4	0.0
Summit	37.1	C15-122	PFO	0.0	0.0	0.0
Summit	37.1	C15-122	PFO	92.7	0.1	0.0
Summit	37.1	C15-122	PFO	92.7	0.1	0.1
Summit	37.1	AWB-SU-214	PFO	10.9	0.0	0.0
Summit	37.1	AWB-SU-214	PFO	10.9	0.0	0.0
Summit	37.1	C15-122	PEM	0.0	0.0	0.0
Summit	37.1	C15-122	PEM	0.0	0.0	0.0
Summit	37.1	C15-122	PEM	0.0	0.0	0.0
Summit	37.5	C15-120	PFO	0.0	0.2	0.0
Summit	37.5	C15-120	PFO	336.5	0.4	0.0
Summit	37.5	C15-120	PFO	336.5	0.4	0.4
Summit	37.7	AWB-SU-205	PFO	0.0	0.0	0.0
Summit	37.7	AWB-SU-205	PFO	50.6	0.1	0.0
Summit	37.7	AWB-SU-205	PFO	50.6	0.1	0.1
Summit	37.8	AWB-SU-205	PFO	0.0	0.1	0.0
Summit	37.8	AWB-SU-205	PFO	109.7	0.1	0.0
Summit	37.8	AWB-SU-205	PFO	109.7	0.1	0.1
Summit	38.0	C15-123	PSS	0.0	0.0	0.0
Summit	38.0	C15-123	PSS	34.0	0.0	0.0
Summit	38.0	C15-123	PSS	34.0	0.0	0.0
Summit	38.1	AWB-SU-204	PFO	0.0	0.3	0.0
Summit	38.1	AWB-SU-204	PFO	528.9	0.6	0.0
Summit	38.1	AWB-SU-204	PFO	528.9	0.6	0.6
Summit	38.3	AWB-SU-203	PFO	0.0	0.0	0.0
Summit	38.3	AWB-SU-203	PFO	24.1	0.0	0.0
Summit	38.3	AWB-SU-203	PFO	24.1	0.0	0.0
Summit	38.5	AWB-SU-222	PSS	0.0	0.0	0.0
Summit	38.6	AWB-SU-221	PFO	0.0	0.0	0.0
Summit	38.6	AWB-SU-221	PFO	18.0	0.0	0.0
Summit	38.6	AWB-SU-221	PFO	18.0	0.0	0.0
Summit	39.7	A14-112	PEM	0.0	0.0	0.0
Summit	39.7	A14-112	PEM	0.0	0.0	0.0
Summit	39.7	A14-112	PEM	50.1	0.1	0.0
Summit	39.7	A14-112	PEM	50.1	0.1	0.0
Summit	39.8	A14-112	PSS	0.0	0.3	0.0
Summit	39.8	A14-112	PSS	522.4	0.6	0.0
Summit	39.8	A14-112	PSS	522.4	0.6	0.6
Summit	39.9	A14-112	PSS	0.0	0.1	0.0
Summit	39.9	A14-112	PSS	81.3	0.1	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Summit	39.9	A14-112	PSS	81.3	0.1	0.1
Summit	39.9	A14-112	PSS	0.0	0.0	0.0
Summit	39.9	A14-112	PSS	0.0	0.0	0.0
Summit	39.9	A14-112	PEM	0.0	0.1	0.0
Summit	39.9	A14-112	PEM	116.5	0.1	0.0
Summit	39.9	A14-112	PEM	116.5	0.1	0.0
Summit	40.0	B15-128	PSS	0.0	0.1	0.0
Summit	40.0	B15-128	PSS	145.0	0.2	0.0
Summit	40.0	B15-128	PSS	145.0	0.2	0.2
Summit	40.0	B15-128	PEM	0.0	0.0	0.0
Summit	40.0	B15-128	PSS	0.0	0.0	0.0
Summit	40.0	B15-128	PEM	0.6	0.0	0.0
Summit	40.0	B15-128	PSS	0.6	0.0	0.0
Summit	40.0	B15-128	PEM	0.6	0.0	0.0
Summit	40.0	B15-128	PSS	0.6	0.0	0.0
Summit	40.0	B15-128	PEM	0.0	0.0	0.0
Summit	40.0	B15-128	PEM	85.5	0.1	0.0
Summit	40.0	B15-128	PEM	85.5	0.1	0.0
Summit	40.7	AWB-SU-336	PEM	0.0	0.2	0.0
Summit	40.7	AWB-SU-336	PEM	395.0	0.4	0.0
Summit	40.7	AWB-SU-336	PEM	395.0	0.4	0.0
Summit	41.0	AWB-SU-200	PEM/PSS	171.8	0.2	0.0
Summit	41.0	AWB-SU-200	PEM/PSS	171.8	0.2	0.2
Summit	41.2	AWB-SU-200	PEM/PSS	22.2	0.0	0.0
Summit	41.2	A15-49	AG-PEM	0.0	0.0	0.0
Summit	41.2	A15-49	AG-PEM	5.2	0.0	0.0
Summit	41.2	A15-49	AG-PEM	5.2	0.0	0.0
Summit	41.7	A14-122	PSS	0.0	0.0	0.0
Summit	41.7	A14-122	PSS	88.6	0.1	0.0
Summit	41.7	A14-122	PSS	88.6	0.1	0.1
Summit	41.7	A14-122	PEM	0.0	0.0	0.0
Summit	41.8	A14-122	PSS	0.0	0.1	0.0
Summit	41.8	A14-122	PSS	0.0	0.0	0.0
Summit	41.8	A14-122	PSS	227.3	0.3	0.0
Summit	41.8	A14-122	PSS	227.3	0.3	0.3
Summit	41.8	A14-122	PEM	0.0	0.1	0.0
Summit	41.8	A14-122	PEM	0.0	0.0	0.0
Summit	41.8	A14-122	PEM	164.5	0.2	0.0
Summit	41.8	A14-122	PEM	164.5	0.2	0.0
Summit	41.9	A14-122	PSS	0.0	0.0	0.0
Summit	41.9	A14-122	PSS	9.8	0.0	0.0
Summit	41.9	A14-122	PSS	9.8	0.0	0.0
Summit	41.9	A14-122	PSS	0.0	0.2	0.0
Summit	41.9	A14-122	PSS	0.0	0.0	0.0
Summit	41.9	A14-122	PSS	454.3	0.5	0.0
Summit	41.9	A14-122	PSS	454.3	0.5	0.5
Summit	42.0	A14-122	PEM	0.0	0.4	0.0
Summit	42.0	A14-122	PEM	556.0	0.7	0.0
Summit	42.0	A14-122	PEM	556.0	0.7	0.0
Summit	42.3	A14-123	PEM	0.0	0.0	0.0
Summit	42.3	A14-123	PEM	55.2	0.1	0.0
Summit	42.3	A14-123	PEM	55.2	0.1	0.0
Summit	43.8	A15-16	PEM	0.0	0.0	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Summit	43.8	A15-16	PEM	40.1	0.0	0.0
Summit	43.8	A15-16	PEM	40.1	0.0	0.0
Summit	43.8	A15-16	PEM	0.0	0.1	0.0
Summit	43.8	A15-16	PEM	120.2	0.1	0.0
Summit	43.8	A15-16	PEM	120.2	0.1	0.0
Summit	43.9	A15-95	PEM	0.0	0.0	0.0
Summit	43.9	A15-95	PEM	0.0	0.0	0.0
Summit	43.9	A15-95	PEM	0.0	0.0	0.0
Summit	44.0	AWB-SU-21	PEM/PSS	0.0	0.0	0.0
Summit	44.0	AWB-SU-21	PEM/PSS	0.0	0.0	0.0
Summit	44.0	AWB-SU-21	PEM/PSS	0.0	0.0	0.0
Summit	44.0	AWB-SU-21	PEM/PSS	0.0	0.0	0.0
Summit	44.1	AWB-SU-44	PEM/PSS	0.0	0.0	0.0
Summit	44.7	B15-88	PEM	0.0	0.0	0.0
Summit	44.7	B15-88	PEM	21.3	0.0	0.0
Summit	44.7	B15-88	PEM	21.3	0.0	0.0
Summit	45.1	AWB-SU-24	PEM	0.0	0.0	0.0
Summit	45.2	AWB-SU-24	PFO	0.0	0.1	0.0
Summit	45.2	AWB-SU-24	PFO	295.9	0.3	0.0
Summit	45.2	AWB-SU-24	PFO	295.9	0.3	0.3
Summit	45.3	B14-1	PFO	0.0	0.2	0.0
Summit	45.3	B14-1	PFO	419.0	0.5	0.0
Summit	45.3	B14-1	PFO	419.0	0.5	0.5
Summit	45.4	B14-1	PEM	0.0	0.1	0.0
Summit	45.4	B14-1	PEM	53.2	0.0	0.0
Summit	45.4	B14-1	PEM	53.2	0.0	0.0
Summit	45.4	B14-1	PEM	0.0	0.2	0.0
Summit	45.4	B14-1	PEM	353.7	0.4	0.0
Summit	45.4	B14-1	PEM	353.7	0.4	0.0
Summit	45.6	A15-15	PEM	0.0	0.1	0.0
Summit	45.6	A15-15	PEM	0.0	0.0	0.0
Summit	45.6	A15-15	PEM	0.0	0.0	0.0
Summit	45.7	AWB-SU-27	PEM/PSS	0.0	0.0	0.0
Summit	45.7	AWB-SU-27	PEM/PSS	105.6	0.2	0.0
Summit	45.7	AWB-SU-27	PEM/PSS	105.6	0.2	0.2
Summit	45.7	AWB-SU-27	PFO	24.0	0.0	0.0
Summit	45.7	AWB-SU-27	PFO	24.0	0.0	0.0
Summit	45.8	AWB-SU-28	PFO	0.0	0.0	0.0
Summit	45.8	AWB-SU-28	PFO	38.4	0.0	0.0
Summit	45.8	AWB-SU-28	PFO	38.4	0.0	0.0
Summit	45.8	AWB-SU-28	PEM/PSS	0.0	0.0	0.0
Summit	45.8	AWB-SU-28	PEM/PSS	0.0	0.0	0.0
Summit	45.9	AWB-SU-29	PFO	0.0	0.0	0.0
Summit	45.9	AWB-SU-29	PFO	0.0	0.0	0.0
Summit	45.9	AWB-SU-29	PFO	0.0	0.0	0.0
Summit	46.4	A14-119	PEM	0.0	0.0	0.0
Summit	46.4	A14-119	PEM	19.4	0.0	0.0
Summit	46.4	A14-119	PEM	19.4	0.0	0.0
Summit	46.4	C15-27	PFO	0.0	0.1	0.0
Summit	46.4	C15-27	PFO	132.6	0.2	0.0
Summit	46.4	C15-27	PFO	132.6	0.2	0.2
Summit	46.8	C15-25	PEM	0.0	0.0	0.0
Summit	46.8	C15-25	PEM	0.0	0.0	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Summit	46.8	C15-25	PEM	0.0	0.0	0.0
Summit	46.8	C15-25	PEM	0.0	0.0	0.0
Summit	46.8	C15-25	PEM	53.4	0.0	0.0
Summit	46.8	C15-25	PEM	53.4	0.0	0.0
Summit	47.8	C15-30	PEM	0.0	0.0	0.0
Summit	47.8	C15-30	PEM	0.0	0.0	0.0
Summit	48.1	C15-28	AG-PEM	66.9	0.1	0.0
Summit	48.1	C15-28	AG-PEM	66.9	0.1	0.0
Summit	48.2	B15-56	PEM	18.6	0.0	0.0
Summit	48.9	A15-83	PSS	6.9	0.0	0.0
Summit	48.9	A15-83	PSS	6.9	0.0	0.0
Summit	48.9	AWB-SU-406	PEM	0.0	0.0	0.0
Summit	48.9	AWB-SU-406	PEM	37.3	0.0	0.0
Summit	48.9	AWB-SU-406	PEM	37.3	0.0	0.0
Summit	49.3	AWB-SU-43	PSS	0.0	0.1	0.0
Summit	49.3	AWB-SU-43	PSS	205.7	0.2	0.0
Summit	49.3	AWB-SU-43	PSS	205.7	0.2	0.2
Summit	49.3	AWB-SU-43	PEM	0.0	0.2	0.0
Summit	49.3	AWB-SU-43	PEM	302.9	0.3	0.0
Summit	49.3	AWB-SU-43	PEM	302.9	0.3	0.0
Summit	49.6	A14-41	PEM	0.0	0.0	0.0
Summit	49.6	A14-41	PEM	60.3	0.1	0.0
Summit	49.6	A14-41	PEM	60.3	0.1	0.0
Summit	49.8	A14-41	PSS	0.0	0.0	0.0
Summit	49.8	A14-41	PEM	0.0	0.0	0.0
Summit	49.8	A14-41	PEM	76.5	0.0	0.0
Summit	49.8	A14-41	PEM	76.5	0.0	0.0
Summit	49.8	A14-41	PEM	0.0	0.0	0.0
Summit	49.8	A14-41	PEM	0.0	0.0	0.0
Summit	49.8	A14-41	PEM	0.0	0.0	0.0
Summit	50.0	A14-41	PEM	0.0	0.0	0.0
Summit	50.0	A14-41	PEM	37.6	0.0	0.0
Summit	50.0	A14-41	PEM	37.6	0.0	0.0
Summit	50.1	A14-42	PEM	0.0	0.0	0.0
Summit	50.1	A14-42	PEM	17.2	0.0	0.0
Summit	50.1	A14-42	PEM	17.2	0.0	0.0
Wayne	51.2	A15-23	AG-PEM	0.0	0.1	0.0
Wayne	51.2	A15-23	AG-PEM	54.8	0.1	0.0
Wayne	51.2	A15-23	AG-PEM	54.8	0.1	0.0
Wayne	51.5	A15-21	PEM	0.0	0.0	0.0
Wayne	51.5	A15-21	PEM	109.9	0.1	0.0
Wayne	51.5	A15-21	PEM	109.9	0.1	0.0
Wayne	51.6	A15-21	PEM	0.0	0.0	0.0
Wayne	51.7	A15-21	PEM	0.0	0.1	0.0
Wayne	51.7	A15-21	PEM	28.8	0.0	0.0
Wayne	51.7	A15-21	PEM	28.8	0.0	0.0
Wayne	52.2	C15-34	PSS	0.0	0.0	0.0
Wayne	52.2	C15-34	PSS	25.8	0.0	0.0
Wayne	52.2	C15-34	PSS	25.8	0.0	0.0
Wayne	52.2	C15-34	PEM	0.0	0.0	0.0
Wayne	52.6	A14-124	PEM	0.0	0.2	0.0
Wayne	52.6	A14-124	PEM	195.7	0.2	0.0
Wayne	52.6	A14-124	PEM	195.7	0.2	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Wayne	52.6	A14-124	PSS	0.0	0.0	0.0
Wayne	52.6	A14-124	PSS	88.4	0.1	0.0
Wayne	52.6	A14-124	PSS	88.4	0.1	0.1
Wayne	52.6	A14-124	PEM	0.0	0.0	0.0
Wayne	52.6	A14-124	PEM	38.0	0.0	0.0
Wayne	52.6	A14-124	PEM	38.0	0.0	0.0
Wayne	53.0	A15-53	PSS	0.0	0.0	0.0
Wayne	55.3	A15-42	PEM	0.0	0.0	0.0
Wayne	55.3	A15-42	PEM	20.8	0.0	0.0
Wayne	55.3	A15-42	PEM	20.8	0.0	0.0
Wayne	55.3	A15-41	PEM	0.0	0.0	0.0
Wayne	55.3	A15-41	PEM	0.0	0.0	0.0
Wayne	55.5	C15-89	PEM	0.0	0.0	0.0
Wayne	55.5	C15-89	PEM	14.2	0.0	0.0
Wayne	55.5	C15-89	PEM	14.2	0.0	0.0
Wayne	55.6	C15-89	PEM	0.0	0.0	0.0
Wayne	55.6	C15-89	PEM	0.0	0.0	0.0
Wayne	55.6	C15-89	PEM	0.0	0.0	0.0
Wayne	55.6	C15-89	AG-PEM	0.0	0.0	0.0
Wayne	55.6	C15-89	AG-PEM	0.0	0.0	0.0
Wayne	55.6	C15-89	AG-PEM	0.0	0.0	0.0
Wayne	55.7	B15-48	PEM	0.0	0.1	0.0
Wayne	55.7	B15-48	PEM	125.0	0.1	0.0
Wayne	55.7	B15-48	PEM	125.0	0.1	0.0
Wayne	57.3	AWB-WA-400	PEM	0.0	0.1	0.0
Wayne	57.3	AWB-WA-400	PEM	223.9	0.2	0.0
Wayne	57.3	AWB-WA-400	PEM	223.9	0.2	0.0
Wayne	57.3	B15-50	PEM	0.0	0.0	0.0
Wayne	57.3	B15-50	PEM	30.0	0.0	0.0
Wayne	57.3	B15-50	PEM	30.0	0.0	0.0
Wayne	57.3	B15-50	PEM	0.0	0.0	0.0
Wayne	57.3	B15-50	PSS	0.0	0.0	0.0
Wayne	57.3	B15-50	PEM	0.0	0.0	0.0
Wayne	57.3	B15-50	PSS	0.0	0.0	0.0
Wayne	57.4	B15-50	PEM	0.0	0.0	0.0
Wayne	57.4	B15-50	PEM	28.4	0.0	0.0
Wayne	57.4	B15-50	PEM	28.4	0.0	0.0
Wayne	57.4	B15-50	PEM	<Null>	0.0	0.0
Wayne	57.4	B15-50	PSS	<Null>	0.0	0.0
Wayne	57.4	B15-50	PEM	<Null>	0.0	0.0
Wayne	57.4	B15-50	PSS	<Null>	0.0	0.0
Wayne	57.4	B15-50	PSS	0.0	0.0	0.0
Wayne	57.4	B15-50	PSS	43.6	0.0	0.0
Wayne	57.4	B15-50	PSS	43.6	0.0	0.0
Wayne	57.7	B15-52	AG-PEM	0.0	0.1	0.0
Wayne	57.7	B15-52	AG-PEM	51.1	0.0	0.0
Wayne	57.7	B15-52	AG-PEM	51.1	0.0	0.0
Medina	58.3	C15-90	PEM	0.0	0.0	0.0
Medina	58.3	C15-90	PEM	130.3	0.2	0.0
Medina	58.3	C15-90	PEM	130.3	0.2	0.0
Medina	58.4	B14-7	PEM	0.0	0.2	0.0
Medina	58.4	B14-7	PEM	263.3	0.3	0.0
Medina	58.4	B14-7	PEM	263.3	0.3	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Medina	58.5	B14-7	AG-PEM	0.0	0.0	0.0
Medina	58.5	B14-7	AG-PEM	21.0	0.0	0.0
Medina	58.5	B14-7	AG-PEM	21.0	0.0	0.0
Medina	58.9	C15-91	AG-PEM	0.0	0.0	0.0
Medina	59.9	B15-02	PEM	0.0	0.1	0.0
Medina	59.9	B15-02	PEM	121.2	0.1	0.0
Medina	59.9	B15-02	PEM	121.2	0.1	0.0
Medina	60.7	A14-39	PEM	0.0	0.0	0.0
Medina	60.7	A14-39	PEM	0.0	0.0	0.0
Medina	60.7	A14-39	PEM	0.0	0.0	0.0
Medina	60.7	A14-39	PEM	0.0	0.0	0.0
Medina	60.7	A14-39	PEM	1.6	0.0	0.0
Medina	60.7	A14-39	PEM	1.6	0.0	0.0
Medina	61.9	C15-107	PEM	0.0	0.0	0.0
Medina	61.9	C15-107	PEM	18.1	0.0	0.0
Medina	61.9	C15-107	PEM	18.1	0.0	0.0
Medina	62.7	B15-70	PEM	26.0	0.0	0.0
Medina	62.7	B15-70	PEM	26.0	0.0	0.0
Medina	62.7	B15-70	PEM	0.0	0.0	0.0
Medina	62.7	B15-70	PEM	125.1	0.2	0.0
Medina	62.7	B15-70	PEM	125.1	0.2	0.0
Medina	62.8	B15-70	PEM	0.0	0.0	0.0
Medina	62.8	B15-70	PEM	34.8	0.1	0.0
Medina	62.8	B15-70	PEM	34.8	0.1	0.0
Medina	62.8	B15-70	PEM	0.0	0.0	0.0
Medina	62.8	B15-70	PEM	9.8	0.0	0.0
Medina	62.8	B15-70	PEM	9.8	0.0	0.0
Medina	62.9	B15-23	PEM	0.0	0.2	0.0
Medina	62.9	B15-23	PEM	206.1	0.2	0.0
Medina	62.9	B15-23	PEM	206.1	0.2	0.0
Medina	64.6	A14-114	PEM	0.0	0.0	0.0
Medina	64.6	A14-114	PEM	45.2	0.0	0.0
Medina	64.6	A14-114	PEM	45.2	0.0	0.0
Medina	64.9	B15-22	PEM	0.0	0.0	0.0
Medina	66.0	AWB-ME-23	PEM	17.8	0.0	0.0
Medina	66.2	B14-4	PSS	0.0	0.0	0.0
Medina	66.2	B14-4	PFO	0.0	0.0	0.0
Medina	66.2	B14-4	PFO	47.1	0.0	0.0
Medina	66.2	B14-4	PFO	47.1	0.0	0.0
Medina	66.2	B14-4	PFO	0.0	0.0	0.0
Medina	66.2	B14-4	PFO	47.2	0.1	0.0
Medina	66.2	B14-4	PFO	47.2	0.1	0.1
Medina	66.6	A14-129	AG-PEM	0.0	0.0	0.0
Medina	66.6	A14-129	AG-PEM	45.5	0.0	0.0
Medina	66.6	A14-129	AG-PEM	45.5	0.0	0.0
Medina	67.2	AWB-ME-26	PFO	0.0	0.1	0.0
Medina	67.2	AWB-ME-26	PFO	157.9	0.1	0.0
Medina	67.2	AWB-ME-26	PFO	157.9	0.1	0.1
Medina	67.4	AWB-ME-27	PFO	0.0	0.0	0.0
Medina	67.4	AWB-ME-27	PFO	1.1	0.0	0.0
Medina	67.4	AWB-ME-27	PFO	1.1	0.0	0.0
Medina	67.4	AWB-ME-27	PFO	0.0	0.0	0.0
Medina	67.4	AWB-ME-27	PFO	50.3	0.0	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Medina	67.4	AWB-ME-27	PFO	50.3	0.0	0.0
Medina	67.5	AWB-ME-29	PFO	0.0	0.0	0.0
Medina	67.6	AWB-ME-30	PFO	0.0	0.1	0.0
Medina	67.6	AWB-ME-30	PFO	74.1	0.1	0.0
Medina	67.6	AWB-ME-30	PFO	74.1	0.1	0.1
Medina	67.7	AWB-ME-31	PEM/PSS	0.0	0.1	0.0
Medina	67.7	AWB-ME-31	PEM/PSS	9.0	0.0	0.0
Medina	67.7	AWB-ME-31	PEM/PSS	9.0	0.0	0.0
Medina	67.7	AWB-ME-31	PFO	0.0	0.1	0.0
Medina	67.7	AWB-ME-31	PFO	203.9	0.2	0.0
Medina	67.7	AWB-ME-31	PFO	203.9	0.2	0.2
Medina	67.8	B15-111	PEM	0.0	0.1	0.0
Medina	67.8	B15-111	PEM	149.3	0.2	0.0
Medina	67.8	B15-111	PEM	149.3	0.2	0.0
Medina	67.8	B15-82	PFO	0.0	0.0	0.0
Medina	67.8	B15-82	PFO	22.9	0.0	0.0
Medina	67.8	B15-82	PFO	22.9	0.0	0.0
Medina	67.9	B15-82	PEM	0.0	0.0	0.0
Medina	67.9	B15-82	PEM	12.5	0.0	0.0
Medina	67.9	B15-82	PEM	12.5	0.0	0.0
Medina	68.1	AWB-ME-33	PFO	0.0	0.0	0.0
Medina	68.1	AWB-ME-33	PFO	0.0	0.0	0.0
Medina	68.1	AWB-ME-33	PFO	0.0	0.0	0.0
Medina	68.1	AWB-ME-33	PFO	0.0	0.0	0.0
Medina	68.1	AWB-ME-33	PFO	54.3	0.1	0.0
Medina	68.1	AWB-ME-33	PFO	54.3	0.1	0.1
Medina	68.5	B15-100	PFO	0.0	0.1	0.0
Medina	68.5	B15-100	PFO	95.4	0.1	0.0
Medina	68.5	B15-100	PFO	95.4	0.1	0.1
Medina	68.5	B15-100	PSS	0.0	0.0	0.0
Medina	68.5	B15-100	PSS	0.0	0.0	0.0
Medina	68.5	AWB-ME-35	PEM/PSS	0.0	0.1	0.0
Medina	68.5	AWB-ME-35	PEM/PSS	126.5	0.1	0.0
Medina	68.5	AWB-ME-35	PEM/PSS	126.5	0.1	0.1
Medina	68.6	B15-100	PFO	0.0	0.0	0.0
Medina	68.6	B15-100	PFO	1.9	0.0	0.0
Medina	68.6	B15-100	PFO	1.9	0.0	0.0
Medina	68.6	AWB-ME-35	PFO	0.0	0.0	0.0
Medina	68.6	B15-100	PFO	0.0	0.1	0.0
Medina	68.6	B15-100	PFO	186.1	0.3	0.0
Medina	68.6	B15-100	PFO	186.1	0.3	0.3
Medina	69.5	AWB-ME-701	PEM/PSS	42.2	0.1	0.1
Medina	69.5	C15-40	PEM	8.5	0.0	0.0
Medina	69.8	C15-06-W2	PEM	0.0	0.0	0.0
Medina	69.8	C15-06-W2	PEM	53.2	0.1	0.0
Medina	69.8	C15-06-W2	PEM	53.2	0.1	0.0
Medina	69.9	C15-06-W2	PEM	0.0	0.0	0.0
Medina	69.9	C15-06-W2	PEM	0.0	0.0	0.0
Medina	69.9	C15-06-W2	PEM	0.0	0.0	0.0
Medina	69.9	C15-06-W2	PEM	15.0	0.0	0.0
Medina	69.9	C15-06-W2	PEM	15.0	0.0	0.0
Medina	69.9	C15-06-W2	PEM	0.0	0.0	0.0
Medina	69.9	C15-06-W2	PEM	0.0	0.0	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Medina	69.9	C15-06-W2	PEM	0.0	0.0	0.0
Medina	69.9	C15-06-W2	PEM	0.0	0.0	0.0
Medina	69.9	C15-06-W3	PFO	0.0	0.1	0.0
Medina	69.9	C15-06-W3	PFO	0.0	0.1	0.1
Medina	70.0	C15-06-W4	PFO	0.0	0.0	0.0
Medina	70.0	C15-06-W4	PFO	0.0	0.0	0.0
Medina	70.0	C15-06-W4	PFO	0.0	0.0	0.0
Medina	70.0	C15-6	PFO	0.0	0.1	0.0
Medina	70.0	C15-6	PFO	83.2	0.1	0.0
Medina	70.0	C15-6	PFO	83.2	0.1	0.1
Medina	70.4	AWB-ME-754	PEM	0.0	0.3	0.0
Medina	70.4	AWB-ME-754	PEM	478.5	0.5	0.0
Medina	70.4	AWB-ME-754	PEM	478.5	0.5	0.0
Medina	70.4	B15-27	PEM	0.0	0.1	0.0
Medina	70.4	B15-27	PEM	330.2	0.4	0.0
Medina	70.4	B15-27	PEM	330.2	0.4	0.0
Medina	70.5	B15-27	AG-PEM	0.0	0.0	0.0
Medina	70.6	C15-42	AG-PEM	0.0	1.1	0.0
Medina	70.6	C15-42	AG-PEM	1029.9	1.2	0.0
Medina	70.6	C15-42	AG-PEM	1029.9	1.2	0.0
Medina	71.2	C15-44	PFO	1009.5	1.2	1.2
Medina	71.6	A15-73	PEM	0.0	0.0	0.0
Medina	71.6	A15-73	PEM	0.6	0.0	0.0
Medina	71.6	A15-73	PEM	0.6	0.0	0.0
Medina	72.3	C15-50	PFO	0.0	0.3	0.0
Medina	72.3	C15-50	PFO	498.4	0.6	0.0
Medina	72.3	C15-50	PFO	498.4	0.6	0.6
Medina	72.5	A14-48	PFO	0.0	0.2	0.0
Medina	72.5	A14-48	PFO	344.3	0.4	0.0
Medina	72.5	A14-48	PFO	344.3	0.4	0.4
Medina	72.8	B15-120	PFO	10.4	0.0	0.0
Medina	72.8	B15-120	PEM	0.0	0.0	0.0
Medina	72.8	B15-120	PEM	0.0	0.0	0.0
Medina	73.3	C15-24-W8	PSS	0.0	0.1	0.0
Medina	73.3	C15-24-W8	PSS	291.1	0.3	0.0
Medina	73.3	C15-24-W8	PSS	291.1	0.3	0.3
Medina	73.3	C15-24-W8	PFO	0.0	0.0	0.0
Medina	73.3	C15-24-W8	PFO	0.0	0.0	0.0
Medina	73.3	C15-24-W7	PSS	0.0	0.1	0.0
Medina	73.3	C15-24-W7	PSS	19.5	0.0	0.0
Medina	73.3	C15-24-W7	PSS	19.5	0.0	0.0
Medina	73.3	C15-24-W7	PFO	0.0	0.0	0.0
Medina	73.3	C15-24-W7	PFO	69.1	0.1	0.0
Medina	73.3	C15-24-W7	PFO	69.1	0.1	0.1
Medina	73.4	C15-24-W10	PEM	0.0	0.0	0.0
Medina	73.4	C15-24-W10	PEM	0.0	0.0	0.0
Medina	73.4	C15-24-W10	PEM	19.9	0.1	0.0
Medina	73.4	C15-24-W10	PEM	19.9	0.1	0.0
Medina	73.9	AWB-ME-58	PEM/PSS	0.0	0.0	0.0
Medina	73.9	AWB-ME-58	PEM/PSS	26.7	0.0	0.0
Medina	73.9	AWB-ME-58	PEM/PSS	26.7	0.0	0.0
Medina	73.9	AWB-ME-58	PEM/PSS	0.0	0.0	0.0
Medina	73.9	AWB-ME-58	PEM/PSS	25.1	0.0	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Medina	73.9	AWB-ME-58	PEM/PSS	25.1	0.0	0.0
Medina	73.9	C15-54	PFO	0.0	0.0	0.0
Medina	73.9	C15-54	PFO	24.7	0.0	0.0
Medina	73.9	C15-54	PFO	24.7	0.0	0.0
Medina	74.0	B15-84	PEM	12.6	0.0	0.0
Medina	74.0	B15-84	PEM	12.6	0.0	0.0
Medina	74.0	B15-84	PEM	0.0	0.0	0.0
Medina	74.0	B15-84	PEM	0.0	0.0	0.0
Medina	74.0	B15-84	PEM	0.0	0.0	0.0
Medina	74.0	B14-8	PEM	0.0	0.0	0.0
Medina	74.7	C15-109	PEM	0.0	0.0	0.0
Medina	74.8	C15-111	PEM	0.0	0.0	0.0
Medina	74.8	C15-111	PEM	0.0	0.0	0.0
Medina	74.8	C15-111	PEM	0.0	0.0	0.0
Medina	75.8	B15-74	PFO	0.0	0.0	0.0
Medina	75.8	B15-74	PFO	62.1	0.1	0.0
Medina	75.8	B15-74	PFO	62.1	0.1	0.1
Medina	75.8	B15-74	PEM	0.0	0.0	0.0
Medina	75.8	B15-74	PEM	0.0	0.0	0.0
Medina	76.3	B15-74	PEM	0.0	0.1	0.0
Medina	76.3	B15-74	PEM	110.8	0.1	0.0
Medina	76.3	B15-74	PEM	110.8	0.1	0.0
Medina	76.9	A15-76	PEM	0.0	0.0	0.0
Medina	76.9	A15-76	PEM	43.5	0.1	0.0
Medina	76.9	A15-76	PEM	43.5	0.1	0.0
Medina	77.4	A15-74	AG-PEM	0.0	0.0	0.0
Medina	77.4	A15-74	PEM	0.0	0.1	0.0
Medina	77.4	A15-74	PEM	233.3	0.2	0.0
Medina	77.4	A15-74	PEM	233.3	0.2	0.0
Medina	77.7	A15-75	PEM	2.5	0.0	0.0
Medina	77.7	A15-75	PEM	2.5	0.0	0.0
Medina	77.7	A15-75	AG-PEM	0.0	0.0	0.0
Medina	77.7	A15-75	AG-PEM	2.5	0.0	0.0
Medina	77.7	A15-75	AG-PEM	2.5	0.0	0.0
Medina	77.8	A15-75	AG-PEM	0.0	0.0	0.0
Medina	77.8	A15-75	AG-PEM	7.7	0.0	0.0
Medina	77.8	A15-75	AG-PEM	7.7	0.0	0.0
Medina	77.8	A15-75	PEM	0.0	0.0	0.0
Medina	77.8	A15-75	PEM	23.0	0.0	0.0
Medina	77.8	A15-75	PEM	23.0	0.0	0.0
Medina	78.0	AWB-ME-90	PEM	0.0	0.0	0.0
Medina	78.0	AWB-ME-90	PEM	20.8	0.0	0.0
Medina	78.0	AWB-ME-90	PEM	20.8	0.0	0.0
Medina	78.3	AWB-ME-95	PEM	0.0	0.0	0.0
Medina	78.3	AWB-ME-95	PEM	22.9	0.0	0.0
Medina	78.3	AWB-ME-95	PEM	22.9	0.0	0.0
Medina	78.4	AWB-ME-95	PEM	0.0	0.0	0.0
Medina	78.4	AWB-ME-95	PEM	0.0	0.0	0.0
Medina	78.4	AWB-ME-95	PEM	0.0	0.0	0.0
Medina	79.5	AWB-ME-99	PEM/PSS	0.0	0.0	0.0
Medina	79.5	AWB-ME-99	PEM/PSS	0.0	0.0	0.0
Medina	79.5	AWB-ME-99	PEM/PSS	0.0	0.0	0.0
Medina	80.3	AWB-LO-1	PFO	0.0	0.0	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Medina	80.3	AWB-LO-1	PFO	44.1	0.0	0.0
Medina	80.3	AWB-LO-1	PFO	44.1	0.0	0.0
Medina	80.4	B15-15	PFO	0.0	0.0	0.0
Medina	80.4	B15-15	PFO	0.0	0.0	0.0
Medina	80.4	B15-15	PFO	100.4	0.1	0.0
Medina	80.4	B15-15	PFO	100.4	0.1	0.1
Medina	80.4	B15-15	PEM	0.0	0.1	0.0
Medina	80.4	B15-15	PEM	94.4	0.1	0.0
Medina	80.4	B15-15	PEM	94.4	0.1	0.0
Medina	80.5	B15-15	PFO	0.0	0.0	0.0
Medina	80.5	B15-15	PFO	72.0	0.1	0.0
Medina	80.5	B15-15	PFO	72.0	0.1	0.1
Medina	80.5	B15-15	PSS	0.0	0.1	0.0
Medina	80.5	B15-15	PSS	132.3	0.1	0.0
Medina	80.5	B15-15	PSS	132.3	0.1	0.1
Lorain	80.5	B15-15	PFO	0.0	0.0	0.0
Lorain	80.5	B15-15	PFO	12.2	0.0	0.0
Lorain	80.5	B15-15	PFO	12.2	0.0	0.0
Lorain	80.5	B15-15	PSS	0.0	0.0	0.0
Lorain	80.5	B15-15	PFO	0.0	0.0	0.0
Lorain	80.5	B15-15	PFO	210.5	0.2	0.0
Lorain	80.5	B15-15	PFO	210.5	0.2	0.2
Lorain	80.5	B15-15	PEM	0.0	0.1	0.0
Lorain	81.0	C15-82	PEM	0.0	0.0	0.0
Lorain	81.0	C15-82	PEM	33.2	0.1	0.0
Lorain	81.0	C15-82	PEM	33.2	0.1	0.0
Lorain	81.5	A15-55	PEM	0.0	0.0	0.0
Lorain	81.5	A15-55	PEM	138.1	0.1	0.0
Lorain	81.5	A15-55	PEM	138.1	0.1	0.0
Lorain	81.6	A15-29	PEM	0.0	0.0	0.0
Lorain	81.6	A15-29	PEM	0.0	0.0	0.0
Lorain	81.6	A15-29	PEM	0.0	0.0	0.0
Lorain	82.0	A14-59	AG-PEM	0.0	0.0	0.0
Lorain	82.0	A14-59	AG-PEM	0.0	0.0	0.0
Lorain	82.0	A14-59	AG-PEM	0.0	0.0	0.0
Lorain	82.0	A14-59	PFO	0.0	0.0	0.0
Lorain	82.0	A14-59	PFO	0.0	0.0	0.0
Lorain	82.0	A14-59	PFO	0.0	0.0	0.0
Lorain	82.0	A14-59	PEM	0.0	0.0	0.0
Lorain	82.0	A14-59	PEM	0.0	0.0	0.0
Lorain	82.0	A14-59	PEM	0.0	0.0	0.0
Lorain	82.0	A14-59	PFO	0.0	0.0	0.0
Lorain	82.6	C15-83	PEM	0.0	0.0	0.0
Lorain	82.6	C15-83	PEM	10.0	0.0	0.0
Lorain	82.6	C15-83	PEM	10.0	0.0	0.0
Lorain	82.6	A14-62	AG-PEM	0.0	0.0	0.0
Lorain	82.6	A14-62	AG-PEM	0.0	0.0	0.0
Lorain	82.6	A14-62	AG-PEM	0.0	0.0	0.0
Lorain	82.7	A14-62	PEM	0.0	0.1	0.0
Lorain	82.7	A14-62	PEM	163.5	0.2	0.0
Lorain	82.7	A14-62	PEM	163.5	0.2	0.0
Lorain	82.8	A14-63	PFO	0.0	0.1	0.0
Lorain	82.8	A14-63	PFO	455.9	0.6	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Lorain	82.8	A14-63	PFO	455.9	0.6	0.6
Lorain	82.9	A14-63	AG-PEM	0.0	0.1	0.0
Lorain	83.0	A14-63	AG-PEM	0.0	0.0	0.0
Lorain	83.0	A14-63	PFO	0.0	0.0	0.0
Lorain	83.0	A14-63	PFO	100.0	0.1	0.0
Lorain	83.0	A14-63	PFO	100.0	0.1	0.1
Lorain	83.4	C15-4	PEM	0.0	0.0	0.0
Lorain	83.4	C15-4	PEM	57.9	0.1	0.0
Lorain	83.4	C15-4	PEM	57.9	0.1	0.0
Lorain	83.4	C15-2	PFO	0.0	0.0	0.0
Lorain	83.4	C15-2	PFO	46.2	0.1	0.0
Lorain	83.4	C15-2	PFO	46.2	0.1	0.1
Lorain	83.5	C15-1	PFO	0.0	0.0	0.0
Lorain	83.5	C15-1	PFO	0.0	0.0	0.0
Lorain	83.5	C15-1	PFO	0.0	0.0	0.0
Lorain	83.5	A14-68	PEM	0.0	0.0	0.0
Lorain	83.5	A14-68	PFO	0.0	0.1	0.0
Lorain	83.5	A14-68	PFO	219.7	0.3	0.0
Lorain	83.5	A14-68	PFO	219.7	0.3	0.3
Lorain	83.6	A14-67	PFO	0.0	0.0	0.0
Lorain	83.6	A14-67	PFO	46.4	0.0	0.0
Lorain	83.6	A14-67	PFO	46.4	0.0	0.0
Lorain	83.7	A14-67	PEM	0.0	0.0	0.0
Lorain	83.7	A14-67	PEM	110.0	0.1	0.0
Lorain	83.7	A14-67	PEM	110.0	0.1	0.0
Lorain	83.8	A14-67	PFO	0.0	0.4	0.0
Lorain	83.8	A14-67	PFO	708.2	0.8	0.0
Lorain	83.8	A14-67	PFO	708.2	0.8	0.8
Lorain	84.3	A14-69	PEM	0.0	0.0	0.0
Lorain	84.3	A14-69	PEM	0.0	0.0	0.0
Lorain	84.3	A14-69	PEM	0.0	0.0	0.0
Lorain	84.4	A14-69	PFO	0.0	0.0	0.0
Lorain	84.4	A14-69	PFO	41.8	0.0	0.0
Lorain	84.4	A14-69	PFO	41.8	0.0	0.0
Lorain	84.5	A15-30	PEM	0.0	0.0	0.0
Lorain	84.5	A15-30	PEM	12.4	0.0	0.0
Lorain	84.5	A15-30	PEM	12.4	0.0	0.0
Lorain	84.5	B15-25	PFO	0.0	0.0	0.0
Lorain	84.5	B15-25	PFO	66.3	0.0	0.0
Lorain	84.5	B15-25	PFO	66.3	0.0	0.0
Lorain	84.5	B15-25	PEM	0.0	0.0	0.0
Lorain	84.8	B15-90	AG-PEM	0.0	0.0	0.0
Lorain	84.9	A15-51	AG-PEM	0.0	0.1	0.0
Lorain	84.9	A15-51	AG-PEM	54.2	0.1	0.0
Lorain	84.9	A15-51	AG-PEM	54.2	0.1	0.0
Lorain	85.0	A14-71	AG-PEM	0.0	0.0	0.0
Lorain	85.0	A14-71	AG-PEM	0.0	0.0	0.0
Lorain	85.0	A14-71	PFO	0.0	0.0	0.0
Lorain	85.0	A14-71	PFO	23.1	0.1	0.0
Lorain	85.0	A14-71	PFO	23.1	0.1	0.1
Lorain	85.1	A14-71	PFO	0.0	0.0	0.0
Lorain	85.1	A14-71	PFO	503.4	0.5	0.0
Lorain	85.1	A14-71	PFO	503.4	0.5	0.5

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Lorain	85.1	A14-71	PEM	0.0	0.0	0.0
Lorain	85.1	A14-71	PEM	0.0	0.0	0.0
Lorain	85.1	A14-71	PEM	0.0	0.0	0.0
Lorain	85.2	A14-71	PEM	0.0	0.1	0.0
Lorain	85.2	A14-71	PEM	0.0	0.0	0.0
Lorain	85.2	A14-71	PEM	0.0	0.0	0.0
Lorain	85.8	A15-56	PFO	0.0	0.0	0.0
Lorain	85.8	A15-56	PFO	0.0	0.1	0.0
Lorain	85.8	A15-56	PFO	94.4	0.1	0.0
Lorain	85.8	A15-56	PFO	94.4	0.1	0.1
Lorain	86.5	C15-94	AG-PEM	0.0	0.0	0.0
Lorain	86.6	A14-51	PEM	6.9	0.0	0.0
Lorain	86.6	A14-51	AG-PEM	26.2	0.0	0.0
Lorain	86.6	A14-51	PSS	81.4	0.1	0.1
Lorain	86.6	A14-51	PFO	185.2	0.2	0.2
Lorain	86.7	A14-51	PFO	30.1	0.0	0.0
Lorain	86.8	A14-52	PEM	284.7	0.3	0.0
Lorain	86.8	A14-52	AG-PEM	58.1	0.1	0.0
Lorain	87.7	B15-95	PFO	0.0	0.0	0.0
Lorain	87.7	B15-95	PFO	374.1	0.5	0.0
Lorain	87.7	B15-95	PFO	374.1	0.5	0.5
Lorain	87.8	B15-95	PEM	0.0	0.2	0.0
Lorain	87.8	B15-95	PEM	340.7	0.4	0.0
Lorain	87.8	B15-95	PEM	340.7	0.4	0.0
Lorain	88.1	B15-96	PEM	0.0	0.3	0.0
Lorain	88.1	B15-96	PEM	179.6	0.2	0.0
Lorain	88.1	B15-96	PEM	179.6	0.2	0.0
Lorain	88.5	A14-73	PEM	0.0	0.1	0.0
Lorain	88.5	A14-73	PEM	0.0	0.0	0.0
Lorain	88.5	A14-73	PEM	0.0	0.0	0.0
Lorain	88.7	A14-73	PFO	0.0	0.1	0.0
Lorain	88.7	A14-73	PFO	353.9	0.5	0.0
Lorain	88.7	A14-73	PFO	353.9	0.5	0.5
Lorain	90.0	A14-76	PEM	0.0	0.0	0.0
Lorain	91.4	C15-37	PEM	0.0	0.0	0.0
Lorain	91.4	C15-37	PEM	0.0	0.0	0.0
Lorain	91.4	C15-37	PEM	0.0	0.0	0.0
Lorain	91.4	C15-37	PEM	0.0	0.0	0.0
Lorain	91.4	C15-37	PSS	33.9	0.0	0.0
Lorain	91.4	C15-37	PSS	33.9	0.0	0.0
Lorain	91.7	C15-36	PEM	0.0	0.0	0.0
Lorain	92.6	C15-9	PEM	0.0	0.1	0.0
Lorain	92.6	C15-9	PEM	0.0	0.0	0.0
Lorain	92.6	C15-9	PEM	112.9	0.1	0.0
Lorain	92.6	C15-9	PEM	112.9	0.1	0.0
Lorain	92.6	C15-9	PFO	0.0	0.0	0.0
Lorain	92.6	C15-9	PFO	0.0	0.0	0.0
Lorain	92.6	C15-9	PFO	20.0	0.0	0.0
Lorain	92.6	C15-9	PFO	20.0	0.0	0.0
Lorain	92.6	C15-9	PFO	0.0	0.0	0.0
Lorain	92.6	C15-9	PFO	0.0	0.0	0.0
Lorain	92.6	C15-9	PFO	15.3	0.0	0.0
Lorain	92.6	C15-9	PFO	15.3	0.0	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Lorain	93.9	A14-78	AG-PEM	0.0	0.1	0.0
Lorain	93.9	A14-78	AG-PEM	0.0	0.0	0.0
Lorain	93.9	A14-78	AG-PEM	0.0	0.0	0.0
Lorain	94.2	A14-178	PEM	0.0	0.0	0.0
Lorain	94.2	A14-178	PEM	0.0	0.0	0.0
Lorain	94.2	A14-178	PEM	0.0	0.0	0.0
Lorain	94.2	A14-178	PSS	0.0	0.1	0.0
Lorain	94.2	A14-178	PSS	236.0	0.2	0.0
Lorain	94.2	A14-178	PSS	236.0	0.2	0.2
Lorain	94.3	A14-178	PSS	0.0	0.0	0.0
Lorain	94.3	A14-178	PSS	44.1	0.0	0.0
Lorain	94.3	A14-178	PSS	44.1	0.0	0.0
Lorain	94.4	A14-178	PSS	0.0	0.0	0.0
Lorain	94.7	B15-57	AG-PEM	0.0	0.0	0.0
Lorain	94.7	B15-57	PEM	0.0	0.0	0.0
Lorain	94.7	B15-57	PEM	0.0	0.0	0.0
Lorain	94.7	B15-57	AG-PEM	0.0	0.3	0.0
Lorain	94.7	B15-57	AG-PEM	185.5	0.2	0.0
Lorain	94.7	B15-57	AG-PEM	185.5	0.2	0.0
Lorain	95.1	A14-179	PEM	0.0	0.0	0.0
Lorain	95.1	A14-179	PSS	0.0	0.0	0.0
Lorain	95.1	A14-179	PSS	0.0	0.0	0.0
Lorain	95.1	A14-179	PSS	0.0	0.0	0.0
Lorain	95.4	A14-181	PEM	0.0	0.0	0.0
Lorain	95.4	A14-181	PEM	38.4	0.0	0.0
Lorain	95.4	A14-181	PEM	38.4	0.0	0.0
Lorain	95.4	A14-181	AG-PEM	0.0	0.0	0.0
Lorain	95.4	A14-181	AG-PEM	74.1	0.1	0.0
Lorain	95.4	A14-181	AG-PEM	74.1	0.1	0.0
Lorain	95.5	A14-181	AG-PEM	0.0	0.1	0.0
Lorain	95.5	A14-181	AG-PEM	0.0	0.0	0.0
Lorain	95.5	A14-181	AG-PEM	0.0	0.0	0.0
Lorain	95.7	A14-182	PEM	0.0	0.1	0.0
Lorain	95.7	A14-182	PEM	264.5	0.3	0.0
Lorain	95.7	A14-182	PEM	264.5	0.3	0.0
Lorain	95.7	A14-182	PEM	0.0	0.0	0.0
Lorain	95.7	A14-182	PEM	229.3	0.3	0.0
Lorain	95.7	A14-182	PEM	229.3	0.3	0.0
Lorain	96.1	A14-141	AG-PEM	0.0	0.0	0.0
Lorain	96.1	A14-141	AG-PEM	27.6	0.0	0.0
Lorain	96.1	A14-141	AG-PEM	27.6	0.0	0.0
Lorain	96.1	A14-141	PFO	0.0	0.0	0.0
Lorain	96.1	A14-141	PFO	9.5	0.0	0.0
Lorain	96.1	A14-141	PFO	9.5	0.0	0.0
Lorain	96.1	A14-141	PEM	0.0	0.0	0.0
Lorain	96.1	A14-141	PEM	162.1	0.2	0.0
Lorain	96.1	A14-141	PEM	162.1	0.2	0.0
Lorain	96.1	A14-141	PEM	0.0	0.0	0.0
Lorain	96.1	A14-141	PFO	0.0	0.0	0.0
Lorain	96.1	C15-58	PFO	0.0	0.0	0.0
Lorain	96.1	C15-58	PFO	2.3	0.0	0.0
Lorain	96.1	C15-58	PFO	2.3	0.0	0.0
Lorain	96.3	C15-58	PFO	0.0	0.3	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Lorain	96.3	C15-58	PFO	481.2	0.6	0.0
Lorain	96.3	C15-58	PFO	481.2	0.6	0.6
Lorain	96.3	C15-58	PEM	0.0	0.3	0.0
Lorain	96.3	C15-58	PEM	43.9	0.0	0.0
Lorain	96.3	C15-58	PEM	43.9	0.0	0.0
Lorain	96.3	C15-58	PEM	0.0	0.0	0.0
Lorain	96.8	A15-38	PEM	0.0	0.0	0.0
Lorain	96.8	A15-38	PEM	48.9	0.0	0.0
Lorain	96.8	A15-38	PEM	48.9	0.0	0.0
Lorain	96.8	A15-38	PSS	0.0	0.0	0.0
Lorain	96.8	A15-38	AG-PEM	0.0	0.1	0.0
Lorain	96.8	A15-38	AG-PEM	64.9	0.0	0.0
Lorain	96.8	A15-38	AG-PEM	64.9	0.0	0.0
Lorain	96.9	A15-39	AG-PEM	0.0	0.0	0.0
Lorain	96.9	A15-39	AG-PEM	0.0	0.0	0.0
Lorain	96.9	A15-39	AG-PEM	0.0	0.0	0.0
Lorain	97.3	C15-57	PSS	0.0	0.0	0.0
Lorain	97.3	C15-57	PSS	24.9	0.0	0.0
Lorain	97.3	C15-57	PSS	24.9	0.0	0.0
Lorain	98.4	C15-61	PEM	0.0	0.0	0.0
Lorain	98.4	C15-61	PEM	19.5	0.0	0.0
Lorain	98.4	C15-61	PEM	19.5	0.0	0.0
Lorain	98.9	A15-85	PSS	0.0	0.0	0.0
Lorain	98.9	A15-85	PEM	0.0	0.0	0.0
Lorain	100.2	C15-63	AG-PEM	0.0	0.1	0.0
Lorain	100.2	C15-63	AG-PEM	125.1	0.1	0.0
Lorain	100.2	C15-63	AG-PEM	125.1	0.1	0.0
Lorain	100.3	C15-99	AG-PEM	0.0	0.1	0.0
Lorain	100.3	C15-99	AG-PEM	80.1	0.1	0.0
Lorain	100.3	C15-99	AG-PEM	80.1	0.1	0.0
Lorain	100.4	C15-99	AG-PEM	0.0	0.0	0.0
Lorain	100.4	C15-99	AG-PEM	21.1	0.0	0.0
Lorain	100.4	C15-99	AG-PEM	21.1	0.0	0.0
Lorain	100.4	C15-99	PEM	0.0	0.0	0.0
Lorain	100.4	C15-99	PEM	11.0	0.0	0.0
Lorain	100.4	C15-99	PEM	11.0	0.0	0.0
Lorain	100.5	C15-99	PFO	0.0	0.1	0.0
Lorain	100.5	C15-99	PFO	6.2	0.0	0.0
Lorain	100.5	C15-99	PFO	6.2	0.0	0.0
Lorain	100.6	B15-105	PFO	0.0	0.0	0.0
Lorain	100.6	B15-105	PFO	87.9	0.1	0.0
Lorain	100.6	B15-105	PFO	87.9	0.1	0.1
Lorain	100.9	B15-99	PSS	0.0	0.6	0.0
Lorain	100.9	B15-99	PSS	1029.3	1.2	0.0
Lorain	100.9	B15-99	PSS	1029.3	1.2	1.2
Huron	102.3	A15-57	PEM	0.0	0.0	0.0
Huron	102.3	A15-57	PEM	6.8	0.0	0.0
Huron	102.3	A15-57	PEM	6.8	0.0	0.0
Huron	102.3	A15-57	PSS	0.0	0.0	0.0
Huron	104.3	C15-56-W1	PFO	545.6	0.6	0.6
Huron	104.5	C15-56-W2	PEM	14.3	0.0	0.0
Huron	104.5	C15-56-W2	PFO	118.9	0.1	0.1
Huron	104.5	C15-56-W2	PEM	110.6	0.1	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Huron	104.5	C15-56-W2	PFO	179.8	0.2	0.2
Erie	105.9	C15-70	PEM	0.0	0.1	0.0
Erie	105.9	C15-70	PEM	217.9	0.3	0.0
Erie	105.9	C15-70	PEM	217.9	0.3	0.0
Erie	105.9	C15-69	PSS	0.0	0.0	0.0
Erie	106.5	C15-10	PFO	0.0	0.3	0.0
Erie	106.5	C15-10	PFO	568.8	0.7	0.0
Erie	106.5	C15-10	PFO	568.8	0.7	0.7
Erie	106.5	C15-10	PEM	0.0	0.0	0.0
Erie	106.5	C15-10	PEM	0.0	0.0	0.0
Erie	106.7	C15-10	PFO	0.0	0.5	0.0
Erie	106.7	C15-10	PFO	815.3	0.8	0.0
Erie	106.7	C15-10	PFO	815.3	0.8	0.8
Erie	106.8	C15-10	PEM	0.0	0.1	0.0
Erie	106.8	C15-10	PEM	0.0	0.1	0.0
Erie	109.4	AWB-ER-43	PFO	0.0	0.1	0.0
Erie	109.4	AWB-ER-43	PFO	164.1	0.2	0.0
Erie	109.4	AWB-ER-43	PFO	164.1	0.2	0.2
Erie	109.8	B15-05	PEM	0.0	0.0	0.0
Erie	109.8	B15-05	PEM	23.7	0.0	0.0
Erie	109.8	B15-05	PEM	23.7	0.0	0.0
Erie	109.8	B15-05	PFO	0.0	0.0	0.0
Erie	109.8	B15-05	PFO	14.5	0.0	0.0
Erie	109.8	B15-05	PFO	14.5	0.0	0.0
Erie	110.3	B15-115	PEM	24.9	0.0	0.0
Erie	111.0	C15-12	AG-PEM	0.0	0.0	0.0
Erie	111.4	A14-111	PEM	0.0	0.0	0.0
Erie	111.4	A14-111	PEM	0.0	0.0	0.0
Erie	111.4	A14-111	PEM	0.0	0.0	0.0
Erie	111.4	B15-60	PEM	0.0	0.0	0.0
Erie	111.4	B15-60	PEM	2.4	0.0	0.0
Erie	111.4	B15-60	PEM	2.4	0.0	0.0
Erie	111.7	B15-38	PFO	0.0	0.0	0.0
Erie	111.7	B15-38	PFO	21.3	0.0	0.0
Erie	111.7	B15-38	PFO	21.3	0.0	0.0
Erie	111.7	B15-39	PEM	0.0	0.0	0.0
Erie	111.7	B15-39	PEM	29.8	0.0	0.0
Erie	111.7	B15-39	PEM	29.8	0.0	0.0
Erie	112.8	A14-154	AG-PEM	0.0	0.0	0.0
Erie	112.8	A14-154	AG-PEM	113.3	0.0	0.0
Erie	112.8	A14-154	AG-PEM	113.3	0.0	0.0
Erie	112.8	A14-154	PEM	43.7	0.0	0.0
Erie	112.8	A14-154	PEM	43.7	0.0	0.0
Erie	113.0	AWB-ER-35	PFO	4.2	0.0	0.0
Erie	113.0	AWB-ER-35	PFO	4.2	0.0	0.0
Erie	113.2	A14-187	PEM	0.0	0.0	0.0
Erie	113.2	A14-187	PEM	14.2	0.0	0.0
Erie	113.2	A14-187	PEM	14.2	0.0	0.0
Erie	113.2	A14-188	PFO	0.0	0.1	0.0
Erie	113.2	A14-188	PFO	162.3	0.2	0.0
Erie	113.2	A14-188	PFO	162.3	0.2	0.2
Erie	113.3	A14-188	PEM	0.0	0.1	0.0
Erie	113.3	A14-188	PEM	0.0	0.1	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Erie	113.3	A14-188	PSS	0.0	0.1	0.0
Erie	113.3	A14-188	PSS	176.4	0.1	0.0
Erie	113.3	A14-188	PSS	176.4	0.1	0.1
Erie	113.8	AWB-ER-12	PFO	0.0	0.0	0.0
Erie	113.8	AWB-ER-12	PFO	34.8	0.0	0.0
Erie	113.8	AWB-ER-12	PFO	34.8	0.0	0.0
Erie	113.9	AWB-ER-12	PFO	0.0	0.1	0.0
Erie	113.9	AWB-ER-12	PFO	203.8	0.2	0.0
Erie	113.9	AWB-ER-12	PFO	203.8	0.2	0.2
Erie	114.2	B15-07	PSS	0.0	0.0	0.0
Erie	114.2	B15-07	PSS	8.7	0.0	0.0
Erie	114.2	B15-07	PSS	8.7	0.0	0.0
Erie	114.3	B15-07	PEM	0.0	0.0	0.0
Erie	114.3	B15-07	PEM	60.9	0.1	0.0
Erie	114.3	B15-07	PEM	60.9	0.1	0.0
Erie	114.3	B15-07	PSS	0.0	0.0	0.0
Erie	114.3	B15-07	PSS	0.0	0.0	0.0
Erie	114.3	B15-07	PSS	0.0	0.0	0.0
Erie	114.5	B15-08	PEM	0.0	0.0	0.0
Erie	114.5	B15-08	PEM	101.7	0.1	0.0
Erie	114.5	B15-08	PEM	101.7	0.1	0.0
Erie	115.4	C15-14	PFO	33.5	0.1	0.0
Erie	115.4	C15-14	PFO	33.5	0.1	0.1
Erie	115.4	C15-14	PEM	0.0	0.0	0.0
Erie	115.4	C15-14	PEM	39.8	0.0	0.0
Erie	115.4	C15-14	PEM	39.8	0.0	0.0
Erie	116.1	B15-10	PEM	0.0	0.0	0.0
Erie	116.2	C15-16	PEM	0.0	0.0	0.0
Erie	116.2	C15-16	PEM	0.0	0.0	0.0
Erie	116.2	C15-16	PEM	0.0	0.0	0.0
Erie	116.4	A14-156	PEM	0.0	0.1	0.0
Erie	116.4	A14-156	PEM	55.3	0.0	0.0
Erie	116.4	A14-156	PEM	55.3	0.0	0.0
Erie	116.5	A14-156	PFO	0.0	0.0	0.0
Erie	116.5	A14-156	PFO	47.3	0.1	0.0
Erie	116.5	A14-156	PFO	47.3	0.1	0.1
Erie	118.2	C15-19	PEM	0.0	0.2	0.0
Erie	118.2	C15-19	PEM	383.5	0.4	0.0
Erie	118.2	C15-19	PEM	383.5	0.4	0.0
Erie	120.4	C15-22	PEM	0.0	0.0	0.0
Erie	120.4	C15-22	PEM	0.0	0.0	0.0
Erie	120.4	C15-22	PEM	0.0	0.0	0.0
Erie	120.4	C15-22-W2	PEM	0.0	0.0	0.0
Erie	120.4	C15-22-W2	PEM	13.1	0.0	0.0
Erie	120.4	C15-22-W2	PEM	13.1	0.0	0.0
Erie	120.5	C15-73	PSS	0.0	0.0	0.0
Erie	120.5	C15-73	PSS	5.1	0.0	0.0
Erie	120.5	C15-73	PSS	5.1	0.0	0.0
Erie	120.5	C15-73	PEM	0.0	0.0	0.0
Erie	120.5	C15-73	PEM	7.9	0.0	0.0
Erie	120.5	C15-73	PEM	7.9	0.0	0.0
Erie	120.5	C15-75	PSS	0.0	0.0	0.0
Erie	120.5	C15-75	PEM	0.0	0.0	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Erie	120.5	C15-75	PEM	9.9	0.0	0.0
Erie	120.5	C15-75	PEM	9.9	0.0	0.0
Erie	120.5	C15-76	PEM	0.0	0.0	0.0
Erie	120.5	C15-76	PEM	7.0	0.0	0.0
Erie	120.5	C15-76	PEM	7.0	0.0	0.0
Erie	120.9	B15-12	PEM	0.0	0.0	0.0
Erie	120.9	B15-12	PEM	12.8	0.0	0.0
Erie	120.9	B15-12	PEM	12.8	0.0	0.0
Erie	123.6	C15-80	PEM	0.0	0.0	0.0
Erie	123.6	C15-80	PEM	36.6	0.0	0.0
Erie	123.6	C15-80	PEM	36.6	0.0	0.0
Sandusky	133.4	B15-14	PEM	0.0	0.0	0.0
Sandusky	133.4	B15-14	PEM	7.3	0.0	0.0
Sandusky	133.4	B15-14	PEM	7.3	0.0	0.0
Sandusky	137.3	D15-105	AG-PEM	0.0	0.0	0.0
Sandusky	137.3	D15-105	AG-PEM	9.5	0.0	0.0
Sandusky	137.3	D15-105	AG-PEM	9.5	0.0	0.0
Sandusky	138.4	E14-163	PFO	0.0	0.1	0.0
Sandusky	138.4	E14-163	PFO	317.3	0.4	0.0
Sandusky	138.4	E14-163	PFO	317.3	0.4	0.4
Sandusky	138.6	D14-9	PSS	0.0	0.2	0.0
Sandusky	138.6	D14-9	PSS	254.8	0.3	0.0
Sandusky	138.6	D14-9	PSS	254.8	0.3	0.3
Sandusky	139.1	D14-10	PEM	0.0	0.0	0.0
Sandusky	139.1	D14-10	PEM	23.3	0.0	0.0
Sandusky	139.1	D14-10	PEM	23.3	0.0	0.0
Sandusky	139.3	D15-71	PEM	0.0	0.0	0.0
Sandusky	139.3	D15-71	PEM	11.1	0.0	0.0
Sandusky	139.3	D15-71	PEM	11.1	0.0	0.0
Sandusky	139.8	D15-69	PSS	0.0	0.0	0.0
Sandusky	139.8	D15-69	PSS	58.7	0.1	0.0
Sandusky	139.8	D15-69	PSS	58.7	0.1	0.1
Sandusky	139.9	D14-8	PFO	0.0	0.0	0.0
Sandusky	139.9	D14-8	PFO	0.0	0.1	0.0
Sandusky	139.9	D14-8	PFO	0.0	0.1	0.1
Sandusky	139.9	D14-8	PEM	0.0	0.0	0.0
Sandusky	141.6	D15-32	PEM	0.0	0.1	0.0
Sandusky	141.6	D15-32	PEM	206.4	0.2	0.0
Sandusky	141.6	D15-32	PEM	206.4	0.2	0.0
Sandusky	146.0	AWB-SA-700	PFO	70.0	0.1	0.1
Sandusky	146.0	AWB-SA-700	PSS	134.5	0.2	0.2
Sandusky	146.0	AWB-SA-700	PEM/PSS	28.6	0.0	0.0
Sandusky	146.1	AWB-SA-700	PFO	131.5	0.2	0.2
Sandusky	146.3	AWB-SA-701	PEM	0.0	0.1	0.0
Sandusky	146.3	AWB-SA-701	PEM	276.5	0.3	0.0
Sandusky	146.3	AWB-SA-701	PEM	276.5	0.3	0.0
Sandusky	146.4	AWB-SA-701	PEM	0.0	0.0	0.0
Sandusky	146.4	AWB-SA-701	PEM	57.6	0.1	0.0
Sandusky	146.4	AWB-SA-701	PEM	57.6	0.1	0.0
Sandusky	146.4	AWB-SA-702	PFO	0.0	0.0	0.0
Sandusky	146.4	AWB-SA-702	PFO	4.4	0.0	0.0
Sandusky	146.4	AWB-SA-702	PFO	4.4	0.0	0.0
Sandusky	146.4	AWB-SA-702	PFO	0.0	0.0	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Sandusky	146.4	AWB-SA-702	PFO	10.9	0.0	0.0
Sandusky	146.4	AWB-SA-702	PFO	10.9	0.0	0.0
Sandusky	147.2	AWB-SA-210	PEM	14.0	0.0	0.0
Sandusky	151.1	D14-37	PEM	0.0	0.0	0.0
Sandusky	151.1	D14-37	PEM	7.9	0.0	0.0
Sandusky	151.1	D14-37	PEM	7.9	0.0	0.0
Sandusky	151.2	D15-59	PSS	0.0	0.0	0.0
Sandusky	151.2	D15-59	PSS	45.7	0.0	0.0
Sandusky	151.2	D15-59	PSS	45.7	0.0	0.0
Sandusky	151.3	D15-58	PSS	0.0	0.0	0.0
Sandusky	151.3	D15-58	PSS	22.4	0.0	0.0
Sandusky	151.3	D15-58	PSS	22.4	0.0	0.0
Sandusky	152.2	E14-73	PEM	0.0	0.0	0.0
Sandusky	152.3	E14-73	PFO	0.0	0.0	0.0
Sandusky	152.3	E14-73	PFO	143.8	0.2	0.0
Sandusky	152.3	E14-73	PFO	143.8	0.2	0.2
Sandusky	153.4	E14-43	PFO	0.0	0.0	0.0
Sandusky	153.4	E14-43	PFO	34.5	0.0	0.0
Sandusky	153.4	E14-43	PFO	34.5	0.0	0.0
Sandusky	154.9	E14-110	PSS	0.0	0.0	0.0
Sandusky	154.9	E14-110	PSS	42.8	0.0	0.0
Sandusky	154.9	E14-110	PSS	42.8	0.0	0.0
Sandusky	155.6	D15-89	PSS	0.0	0.0	0.0
Sandusky	155.6	D15-89	PSS	0.0	0.0	0.0
Sandusky	155.6	D15-89	PSS	0.0	0.0	0.0
Sandusky	156.3	D15-70	PFO	0.0	0.1	0.0
Sandusky	156.3	D15-70	PFO	163.0	0.2	0.0
Sandusky	156.3	D15-70	PFO	163.0	0.2	0.2
Sandusky	157.4	D14-41	PFO	0.0	0.5	0.0
Sandusky	157.4	D14-41	PFO	878.6	1.0	0.0
Sandusky	157.4	D14-41	PFO	878.6	1.0	1.0
Sandusky	157.6	D14-41	PFO	0.0	0.0	0.0
Sandusky	157.6	D14-41	PFO	3.3	0.0	0.0
Sandusky	157.6	D14-41	PFO	3.3	0.0	0.0
Sandusky	157.9	E14-122	PEM	0.0	0.0	0.0
Sandusky	157.9	E14-122	PEM	0.0	0.0	0.0
Sandusky	158.0	E14-122	PFO	0.0	0.2	0.0
Sandusky	158.0	E14-122	PFO	259.5	0.3	0.0
Sandusky	158.0	E14-122	PFO	259.5	0.3	0.3
Sandusky	158.1	E14-123	PFO	0.0	0.1	0.0
Sandusky	158.1	E14-123	PFO	197.3	0.2	0.0
Sandusky	158.1	E14-123	PFO	197.3	0.2	0.2
Sandusky	158.1	E14-123	PEM	0.0	0.0	0.0
Sandusky	158.1	E14-123	PEM	0.0	0.0	0.0
Sandusky	158.2	D14-42	PEM	0.0	0.0	0.0
Sandusky	158.2	D14-42	PEM	0.0	0.0	0.0
Sandusky	158.2	D14-42	PSS	0.0	0.1	0.0
Sandusky	158.2	D14-42	PSS	221.7	0.2	0.0
Sandusky	158.2	D14-42	PSS	221.7	0.2	0.2
Sandusky	158.6	D14-25	PFO	0.0	0.0	0.0
Sandusky	158.6	D14-25	PFO	73.3	0.1	0.0
Sandusky	158.6	D14-25	PFO	73.3	0.1	0.1
Sandusky	158.6	D14-25	PEM	0.0	0.0	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Sandusky	158.6	D14-25	PEM	15.8	0.0	0.0
Sandusky	158.6	D14-25	PEM	15.8	0.0	0.0
Sandusky	159.9	D14-49	PFO	0.0	0.2	0.0
Sandusky	159.9	D14-49	PFO	319.3	0.3	0.0
Sandusky	159.9	D14-49	PFO	319.3	0.3	0.3
Sandusky	160.1	D14-48	PEM	0.0	0.2	0.0
Sandusky	160.1	D14-48	PEM	0.0	0.1	0.0
Sandusky	160.1	D14-48	PEM	0.0	0.1	0.0
Sandusky	163.0	E14-33	PFO	0.0	0.4	0.0
Sandusky	163.0	E14-33	PFO	703.6	0.8	0.0
Sandusky	163.0	E14-33	PFO	703.6	0.8	0.8
Sandusky	163.0	E14-33	PEM	0.0	0.0	0.0
Sandusky	163.0	E14-33	PEM	13.8	0.0	0.0
Sandusky	163.0	E14-33	PEM	13.8	0.0	0.0
Sandusky	163.0	D15-75	PEM	0.0	0.0	0.0
Sandusky	163.0	D15-75	PEM	0.0	0.0	0.0
Sandusky	163.0	D15-75	PEM	0.0	0.0	0.0
Sandusky	163.4	E14-34	PFO	0.0	0.3	0.0
Sandusky	163.4	E14-34	PFO	622.8	0.8	0.0
Sandusky	163.4	E14-34	PFO	622.8	0.8	0.8
Sandusky	163.7	D14-38	PEM	0.0	0.0	0.0
Sandusky	163.7	D14-38	PEM	5.3	0.0	0.0
Sandusky	163.7	D14-38	PEM	5.3	0.0	0.0
Wood	164.8	D14-31	PFO	0.0	0.2	0.0
Wood	164.8	D14-31	PFO	351.6	0.4	0.0
Wood	164.8	D14-31	PFO	351.6	0.4	0.4
Wood	165.0	D15-88	PEM	0.0	0.0	0.0
Wood	165.5	D15-73	PEM	0.0	0.0	0.0
Wood	165.5	D15-73	PEM	8.3	0.0	0.0
Wood	165.5	D15-73	PEM	8.3	0.0	0.0
Wood	165.7	E14-84	AG-PEM	0.0	0.0	0.0
Wood	165.7	E14-84	AG-PEM	0.0	0.0	0.0
Wood	165.7	E14-84	PFO	0.0	0.3	0.0
Wood	165.7	E14-84	PFO	349.6	0.3	0.0
Wood	165.7	E14-84	PFO	349.6	0.3	0.3
Wood	165.7	E14-84	PEM	33.2	0.0	0.0
Wood	165.7	E14-84	PEM	33.2	0.0	0.0
Wood	166.2	E14-154	PFO	0.0	0.4	0.0
Wood	166.2	E14-154	PFO	659.7	0.7	0.0
Wood	166.2	E14-154	PFO	659.7	0.7	0.7
Wood	166.6	E14-152	PEM	0.0	0.0	0.0
Wood	166.6	E14-152	PEM	10.7	0.0	0.0
Wood	166.6	E14-152	PEM	10.7	0.0	0.0
Wood	166.6	E14-152	PFO	0.0	0.5	0.0
Wood	166.6	E14-152	PFO	906.8	1.0	0.0
Wood	166.6	E14-152	PFO	906.8	1.0	1.0
Wood	166.7	E14-152	AG-PEM	0.0	0.2	0.0
Wood	166.7	E14-152	AG-PEM	230.6	0.3	0.0
Wood	166.7	E14-152	AG-PEM	230.6	0.3	0.0
Wood	166.8	D15-62A	PEM	14.9	0.0	0.0
Wood	168.7	D14-39	AG-PEM	0.0	0.0	0.0
Wood	168.7	D14-39	AG-PEM	0.0	0.0	0.0
Wood	168.7	D14-39	AG-PEM	0.0	0.0	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Wood	170.1	E14-52	PEM	0.0	0.3	0.0
Wood	170.1	E14-52	PEM	0.0	0.0	0.0
Wood	170.1	E14-52	PEM	0.0	0.0	0.0
Wood	170.1	E14-52	PFO	0.0	0.1	0.0
Wood	170.1	E14-52	PFO	490.6	0.6	0.0
Wood	170.1	E14-52	PFO	490.6	0.6	0.6
Wood	170.9	E14-41	AG-PEM	0.0	0.1	0.0
Wood	172.6	D15-72	PEM	0.0	0.0	0.0
Wood	172.6	D15-72	PEM	8.6	0.0	0.0
Wood	172.6	D15-72	PEM	8.6	0.0	0.0
Wood	173.8	E15-6	PFO	0.0	0.0	0.0
Wood	173.8	E15-6	PFO	133.8	0.2	0.0
Wood	173.8	E15-6	PFO	133.8	0.2	0.2
Wood	173.9	E15-6	PEM	0.0	0.1	0.0
Wood	173.9	E15-6	PEM	140.6	0.2	0.0
Wood	173.9	E15-6	PEM	140.6	0.2	0.0
Wood	180.7	E14-46	PFO	0.0	0.1	0.0
Wood	180.7	E14-46	PFO	123.1	0.1	0.0
Wood	180.7	E14-46	PFO	123.1	0.1	0.1
Wood	181.3	D15-107	AG-PEM	141.4	0.2	0.0
Wood	181.3	D15-107	AG-PEM	141.4	0.2	0.0
Wood	181.3	D15-107	AG-PEM	24.8	0.0	0.0
Wood	181.3	D15-107	AG-PEM	24.8	0.0	0.0
Lucas	181.8	D15-48	AG-PEM	29.4	0.0	0.0
Lucas	183.3	AWB-LU-14	PEM	16.4	0.0	0.0
Lucas	187.9	E15-10	AG-PEM	0.0	0.0	0.0
Lucas	188.5	D15-2	AG-PEM	0.0	0.0	0.0
Lucas	188.5	D15-2	AG-PEM	0.0	0.0	0.0
Lucas	188.5	D15-2	AG-PEM	0.0	0.0	0.0
Lucas	189.0	D15-3	AG-PEM	0.0	0.0	0.0
Lucas	189.1	D15-4	PFO	0.0	0.0	0.0
Lucas	189.1	D15-4	PFO	336.6	0.4	0.0
Lucas	189.1	D15-4	PFO	336.6	0.4	0.4
Lucas	189.1	D15-4	AG-PEM	27.2	0.0	0.0
Lucas	189.1	D15-4	AG-PEM	27.2	0.0	0.0
Lucas	189.2	D15-5	PEM	0.0	0.2	0.0
Lucas	189.2	D15-5	PEM	327.2	0.4	0.0
Lucas	189.2	D15-5	PEM	327.2	0.4	0.0
Henry	189.3	E15-27	PEM	0.0	0.0	0.0
Henry	189.3	E15-27	PEM	118.4	0.1	0.0
Henry	189.3	E15-27	PEM	118.4	0.1	0.0
Henry	189.4	E15-27	AG-PEM	0.0	0.1	0.0
Henry	189.4	E15-27	AG-PEM	129.7	0.2	0.0
Henry	189.4	E15-27	AG-PEM	129.7	0.2	0.0
Henry	189.4	E15-28	AG-PEM	0.0	0.0	0.0
Henry	189.4	E15-28	AG-PEM	78.1	0.1	0.0
Henry	189.4	E15-28	AG-PEM	78.1	0.1	0.0
Henry	189.5	E15-30	AG-PEM	0.0	0.0	0.0
Henry	189.5	E15-30	AG-PEM	0.0	0.0	0.0
Henry	189.5	E15-30	AG-PEM	0.0	0.0	0.0
Henry	189.6	D15-57	PFO	0.0	0.0	0.0
Henry	190.0	D15-7	PFO	0.0	0.0	0.0
Henry	190.0	D15-7	PFO	0.0	0.0	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Henry	190.0	D15-7	PFO	0.0	0.0	0.0
Henry	190.0	D15-7	PFO	68.3	0.1	0.0
Henry	190.0	D15-7	PFO	68.3	0.1	0.1
Henry	190.1	D15-7	AG-PEM	0.0	0.5	0.0
Henry	190.1	D15-7	AG-PEM	481.6	0.6	0.0
Henry	190.1	D15-7	AG-PEM	481.6	0.6	0.0
Henry	190.2	D15-7	AG-PEM	0.0	0.2	0.0
Henry	190.2	D15-7	AG-PEM	226.3	0.2	0.0
Henry	190.2	D15-7	AG-PEM	226.3	0.2	0.0
Henry	190.2	D15-7	PEM	0.0	0.0	0.0
Henry	190.2	D15-7	PEM	51.9	0.1	0.0
Henry	190.2	D15-7	PEM	51.9	0.1	0.0
Fulton	191.5	D15-14	AG-PEM	0.0	0.0	0.0
Fulton	191.5	D15-14	AG-PEM	86.7	0.1	0.0
Fulton	191.5	D15-14	AG-PEM	86.7	0.1	0.0
Fulton	191.6	D15-15	AG-PEM	0.0	0.1	0.0
Fulton	191.6	D15-15	AG-PEM	106.8	0.1	0.0
Fulton	191.6	D15-15	AG-PEM	106.8	0.1	0.0
Fulton	193.3	D15-94	PFO	0.0	0.1	0.0
Fulton	193.3	D15-94	PFO	132.4	0.1	0.0
Fulton	193.3	D15-94	PFO	132.4	0.1	0.1
Fulton	193.3	D15-94	PEM	0.0	0.0	0.0
Fulton	193.3	D15-94	PEM	0.0	0.0	0.0
Fulton	193.4	D15-95	PFO	0.0	0.1	0.0
Fulton	193.4	D15-95	PFO	131.3	0.1	0.0
Fulton	193.4	D15-95	PFO	131.3	0.1	0.1
Fulton	193.7	D15-96	PFO	0.0	0.0	0.0
Fulton	193.7	D15-96	PFO	0.0	0.0	0.0
Fulton	193.7	D15-96	PFO	0.0	0.0	0.0
Fulton	193.7	D15-97	PEM	0.0	0.1	0.0
Fulton	193.7	D15-97	PEM	0.0	0.0	0.0
Fulton	193.7	D15-97	PEM	0.0	0.0	0.0
Fulton	193.8	D15-97	PEM	0.0	0.0	0.0
Fulton	193.8	D15-97	PEM	3.7	0.0	0.0
Fulton	193.8	D15-97	PEM	3.7	0.0	0.0
Fulton	193.8	D15-97	PEM	0.0	0.1	0.0
Fulton	193.8	D15-97	PEM	1.9	0.0	0.0
Fulton	193.8	D15-97	PEM	1.9	0.0	0.0
Fulton	194.8	E15-38	AG-PEM	0.0	0.0	0.0
Fulton	194.8	E15-38	AG-PEM	0.0	0.0	0.0
Fulton	194.8	E15-38	AG-PEM	0.0	0.0	0.0
Fulton	196.6	D15-18	AG-PEM	0.0	0.2	0.0
Fulton	196.6	D15-18	AG-PEM	135.8	0.1	0.0
Fulton	196.6	D15-18	AG-PEM	135.8	0.1	0.0
Fulton	196.7	D15-19	PFO	0.0	0.0	0.0
Fulton	196.7	D15-19	AG-PEM	0.0	0.0	0.0
Fulton	196.7	D15-19	AG-PEM	0.0	0.0	0.0
Fulton	196.7	D15-19	AG-PEM	41.9	0.0	0.0
Fulton	196.7	D15-19	AG-PEM	41.9	0.0	0.0
Fulton	196.8	D15-19	AG-PEM	0.0	0.0	0.0
Fulton	196.8	D15-19	AG-PEM	0.0	0.0	0.0
Fulton	196.8	D15-19	AG-PEM	0.0	0.0	0.0
Fulton	197.8	D15-85	PFO	9.5	0.0	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Fulton	197.8	D15-85	PEM	0.0	0.0	0.0
Fulton	198.9	D15-11	AG-PEM	0.0	0.2	0.0
Fulton	198.9	D15-11	AG-PEM	149.5	0.1	0.0
Fulton	198.9	D15-11	AG-PEM	149.5	0.1	0.0
Fulton	199.0	D15-12	AG-PEM	0.0	0.1	0.0
Fulton	199.0	D15-12	AG-PEM	133.1	0.1	0.0
Fulton	199.0	D15-12	AG-PEM	133.1	0.1	0.0
Fulton	201.9	E15-16	AG-PEM	0.0	0.0	0.0
Fulton	201.9	E15-16	AG-PEM	0.0	0.1	0.0
Fulton	201.9	E15-16	AG-PEM	0.0	0.1	0.0
Fulton	202.0	E15-18	AG-PEM	0.0	0.1	0.0
Fulton	202.1	E15-17	AG-PEM	0.0	0.1	0.0
Fulton	202.1	E15-17	AG-PEM	69.1	0.1	0.0
Fulton	202.1	E15-17	AG-PEM	69.1	0.1	0.0
Fulton	207.4	E14-13	AG-PEM	0.0	0.0	0.0
Fulton	207.4	E14-13	AG-PEM	0.0	0.0	0.0
Fulton	207.4	E14-13	AG-PEM	0.0	0.0	0.0
Michigan						
Lenawee	215.2	D15-100	PFO	162.7	0.2	0.2
Lenawee	223.4	E14-170	PFO	0.0	0.1	0.0
Lenawee	223.4	E14-170	PFO	21.4	0.0	0.0
Lenawee	223.4	E14-170	PFO	21.4	0.0	0.0
Lenawee	224.9	D15-114	AG-PEM	0.0	0.1	0.0
Lenawee	224.9	D15-114	AG-PEM	143.6	0.2	0.0
Lenawee	224.9	D15-114	AG-PEM	143.6	0.2	0.0
Monroe	230.5	E14-62	PSS	0.0	0.0	0.0
Monroe	230.5	E14-62	PSS	24.5	0.0	0.0
Monroe	230.5	E14-62	PSS	24.5	0.0	0.0
Monroe	236.0	D15-128	PEM	0.0	0.0	0.0
Monroe	236.0	D15-128	PEM	21.7	0.0	0.0
Monroe	236.0	D15-128	PEM	21.7	0.0	0.0
Washtenaw	237.2	D15-121	AG-PEM	0.0	0.1	0.0
Washtenaw	237.2	D15-121	AG-PEM	149.3	0.1	0.0
Washtenaw	237.2	D15-121	AG-PEM	149.3	0.1	0.0
Washtenaw	238.0	E14-158	PFO	0.0	0.0	0.0
Washtenaw	239.6	AWB-WA-205	PEM	13.1	0.0	0.0
Washtenaw	244.2	E14-135	PFO	0.0	0.4	0.0
Washtenaw	244.2	E14-135	PFO	605.3	0.7	0.0
Washtenaw	244.2	E14-135	PFO	605.3	0.7	0.7
Washtenaw	244.4	E15-11	PFO	0.0	0.0	0.0
Washtenaw	244.5	E15-11	PFO	0.0	0.0	0.0
Washtenaw	244.5	E15-11	PFO	0.0	0.0	0.0
Washtenaw	244.5	E15-11	PFO	0.0	0.0	0.0
Washtenaw	244.5	E15-11	PFO	0.0	0.0	0.0
Washtenaw	244.5	E15-11	PFO	11.6	0.0	0.0
Washtenaw	244.5	E15-11	PFO	11.6	0.0	0.0
Washtenaw	244.6	E15-11	PFO	0.0	0.2	0.0
Washtenaw	244.6	E15-11	PFO	558.5	0.7	0.0
Washtenaw	244.6	E15-11	PFO	558.5	0.7	0.7
Washtenaw	244.6	E15-11	AG-PEM	0.0	0.1	0.0
Washtenaw	244.6	E15-11	AG-PEM	0.0	0.0	0.0
Washtenaw	244.6	E15-11	AG-PEM	0.0	0.0	0.0
Washtenaw	245.0	E15-12	AG-PEM	0.0	0.1	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Washtenaw	245.0	E15-12	AG-PEM	0.0	0.0	0.0
Washtenaw	245.0	E15-12	AG-PEM	0.0	0.0	0.0
Washtenaw	245.2	AWB-WA-4	PEM	0.0	0.0	0.0
Washtenaw	245.2	AWB-WA-4	PEM	13.5	0.0	0.0
Washtenaw	245.2	AWB-WA-4	PEM	13.5	0.0	0.0
Washtenaw	245.2	E14-167	PEM	0.0	0.0	0.0
Washtenaw	245.2	E14-167	PEM	14.9	0.0	0.0
Washtenaw	245.2	E14-167	PEM	14.9	0.0	0.0
Washtenaw	246.3	E14-164	PEM	0.0	0.1	0.0
Washtenaw	246.3	E14-164	PEM	98.0	0.1	0.0
Washtenaw	246.3	E14-164	PEM	98.0	0.1	0.0
Washtenaw	249.0	E14-180	PFO	0.0	0.0	0.0
Washtenaw	249.0	E14-180	PFO	19.8	0.0	0.0
Washtenaw	249.0	E14-180	PFO	19.8	0.0	0.0
Washtenaw	249.1	D15-39	PEM	0.0	0.1	0.0
Washtenaw	249.1	D15-39	PEM	100.3	0.1	0.0
Washtenaw	249.1	D15-39	PEM	100.3	0.1	0.0
Washtenaw	249.3	E14-155	PFO	0.0	0.3	0.0
Washtenaw	249.3	E14-155	PFO	631.5	0.7	0.0
Washtenaw	249.3	E14-155	PFO	631.5	0.7	0.7
Washtenaw	249.4	E14-156	PEM	0.0	0.1	0.0
Washtenaw	249.4	E14-156	PEM	237.9	0.3	0.0
Washtenaw	249.4	E14-156	PEM	237.9	0.3	0.0
Washtenaw	249.8	E14-168	PEM	0.0	0.4	0.0
Washtenaw	249.8	E14-168	PEM	696.5	0.8	0.0
Washtenaw	249.8	E14-168	PEM	696.5	0.8	0.0
Washtenaw	250.4	D15-78	PFO	0.0	0.1	0.0
Washtenaw	250.4	D15-78	PFO	195.4	0.2	0.0
Washtenaw	250.4	D15-78	PFO	195.4	0.2	0.2
Washtenaw	250.6	D15-79	PFO	0.0	0.0	0.0
Washtenaw	250.6	D15-79	PFO	0.0	0.0	0.0
Washtenaw	250.6	D15-79	PFO	0.0	0.0	0.0
Washtenaw	250.9	D15-80	PSS	20.2	0.1	0.1
Washtenaw	251.0	D15-20	PEM	115.6	0.1	0.0
Washtenaw	251.0	D15-22	PEM	198.2	0.2	0.0
Washtenaw	251.2	D15-23	PFO	0.0	0.1	0.0
Washtenaw	251.2	D15-23	PFO	176.8	0.2	0.0
Washtenaw	251.2	D15-23	PFO	176.8	0.2	0.2
Washtenaw	254.3	AWB-WA-764	PSS	58.0	0.0	0.0
Washtenaw	254.4	D15-77	PFO	0.0	0.4	0.0
Washtenaw	254.4	D15-77	PFO	698.7	0.8	0.0
Washtenaw	254.4	D15-77	PFO	698.7	0.8	0.8
Washtenaw	254.6	D15-77	PSS	0.0	0.4	0.0
Washtenaw	254.6	D15-77	PSS	738.9	0.9	0.0
Washtenaw	254.6	D15-77	PSS	738.9	0.9	0.9
Washtenaw	254.7	D15-77	PFO	0.0	0.0	0.0
Washtenaw	254.7	D15-77	PFO	57.8	0.1	0.0
Washtenaw	254.7	D15-77	PFO	57.8	0.1	0.1
Washtenaw	254.9	D15-44	PFO	0.0	0.1	0.0
Washtenaw	254.9	D15-44	PFO	132.0	0.1	0.0
Washtenaw	254.9	D15-44	PFO	132.0	0.1	0.1
				Ohio Total	**150.4**	**35.1**
				Michigan Total	**16.2**	**4.7**

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
				Mainline Total	**166.6**	**39.8**
ATWS						
Ohio						
Columbiana	2.1	A14-5	AG-PEM	N/A	0.0	0.0
Columbiana	2.1	A14-5	AG-PEM	N/A	0.0	0.0
Columbiana	2.1	A14-5	AG-PEM	N/A	0.3	0.0
Columbiana	2.1	A14-5	PEM	N/A	0.1	0.0
Columbiana	2.1	A14-5	PEM	N/A	0.1	0.0
Columbiana	2.2	A14-5	AG-PEM	N/A	0.1	0.0
Columbiana	2.2	A14-5	AG-PEM	N/A	0.2	0.0
Columbiana	2.2	A14-5	AG-PEM	N/A	0.2	0.0
Columbiana	2.2	A14-5	AG-PEM	N/A	0.0	0.0
Columbiana	2.2	A14-5	AG-PEM	N/A	0.0	0.0
Columbiana	2.2	A14-5	AG-PEM	N/A	0.1	0.0
Columbiana	4.8	A14-9	AG-PEM	N/A	0.0	0.0
Columbiana	4.9	A14-10	PFO	N/A	0.0	0.0
Columbiana	4.9	A14-10	PEM	N/A	0.1	0.0
Columbiana	4.9	A14-10	PEM	N/A	0.1	0.0
Columbiana	5.0	A14-10	PSS	N/A	0.1	0.0
Columbiana	5.0	A14-10	PSS	N/A	0.0	0.0
Columbiana	5.0	A14-10	PSS	N/A	0.3	0.0
Columbiana	6.4	C15-118	PEM	N/A	0.0	0.0
Columbiana	11.2	A15-34	PEM	N/A	0.3	0.0
Columbiana	11.2	A15-34	PEM	N/A	0.4	0.0
Columbiana	11.3	A15-31	PEM	N/A	0.1	0.0
Columbiana	11.3	A15-31	PEM	N/A	0.0	0.0
Columbiana	11.3	A15-31	PEM	N/A	0.0	0.0
Stark	13.3	B15-64	PEM	N/A	0.0	0.0
Stark	14.8	A14-20	AG-PEM	N/A	0.1	0.0
Stark	15.1	A14-21	AG-PEM	N/A	0.1	0.0
Stark	15.6	A15-64	AG-PEM	N/A	0.0	0.0
Stark	16.4	B15-119	AG-PEM	N/A	0.0	0.0
Stark	17.3	A14-107	AG-PEM	N/A	0.1	0.0
Stark	19.0	C15-85	AG-PEM	N/A	0.0	0.0
Stark	19.0	C15-85	AG-PEM	N/A	0.0	0.0
Stark	22.3	B15-40	PEM	N/A	0.2	0.0
Stark	27.9	A14-34	PEM	N/A	0.1	0.0
Stark	27.9	A14-34	PEM	N/A	0.4	0.0
Stark	27.9	A14-34	PEM	N/A	0.4	0.0
Stark	28.0	A14-34	PEM	N/A	0.0	0.0
Stark	28.0	A14-34	PEM	N/A	0.0	0.0
Stark	32.1	A14-164	AG-PEM	N/A	0.2	0.0
Stark	33.8	B15-73	PFO	N/A	0.1	0.0
Stark	34.1	C15-103	AG-PEM	N/A	0.1	0.0
Summit	34.3	A15-71	PSS	N/A	0.1	0.0
Summit	34.3	A15-71	PSS	N/A	0.0	0.0
Summit	34.3	A15-71	PEM	N/A	0.4	0.0
Summit	34.3	A15-71	PEM	N/A	0.3	0.0
Summit	34.3	A15-71	PSS	N/A	0.1	0.0
Summit	34.3	A15-71	PSS	N/A	0.1	0.0
Summit	34.4	A15-71	PSS	N/A	0.0	0.0
Summit	34.4	A15-71	PSS	N/A	0.0	0.0
Summit	34.4	A15-71	PSS	N/A	0.3	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Summit	34.4	A15-71	PSS	N/A	0.2	0.0
Summit	34.4	A15-71	PSS	N/A	0.6	0.0
Summit	34.5	AWB-SU-213	PFO	N/A	0.1	0.0
Summit	34.6	A15-71	PSS	N/A	0.3	0.0
Summit	34.6	A15-71	PEM	N/A	0.0	0.0
Summit	34.6	A15-71	PEM	N/A	0.0	0.0
Summit	34.6	A15-71	PEM	N/A	0.0	0.0
Summit	34.6	A15-71	PSS	N/A	0.0	0.0
Summit	34.7	A15-71	PEM	N/A	0.0	0.0
Summit	35.6	AWB-SU-4	PFO	N/A	0.1	0.0
Summit	36.7	C15-106	PSS	N/A	0.1	0.0
Summit	36.7	C15-106	PEM	N/A	0.1	0.0
Summit	39.8	A14-112	PSS	N/A	0.2	0.0
Summit	39.8	A14-112	PSS	N/A	0.2	0.0
Summit	39.8	A14-112	PSS	N/A	0.0	0.0
Summit	39.9	A14-112	PSS	N/A	0.1	0.0
Summit	45.4	B14-1	PEM	N/A	0.1	0.0
Summit	45.4	B14-1	PEM	N/A	0.0	0.0
Summit	45.4	B14-1	PEM	N/A	0.4	0.0
Summit	45.4	B14-1	PEM	N/A	0.0	0.0
Summit	49.3	AWB-SU-43	PSS	N/A	0.0	0.0
Summit	49.3	AWB-SU-43	PSS	N/A	0.0	0.0
Summit	49.3	AWB-SU-43	PEM	N/A	0.1	0.0
Summit	49.3	AWB-SU-43	PEM	N/A	0.2	0.0
Summit	49.3	AWB-SU-43	PEM	N/A	0.1	0.0
Wayne	51.2	A15-23	AG-PEM	N/A	0.0	0.0
Wayne	52.6	A14-124	PEM	N/A	0.1	0.0
Wayne	52.6	A14-124	PSS	N/A	0.0	0.0
Wayne	55.7	B15-48	PEM	N/A	0.1	0.0
Wayne	57.3	AWB-WA-400	PEM	N/A	0.5	0.0
Wayne	57.7	B15-52	AG-PEM	N/A	0.1	0.0
Wayne	57.7	B15-52	AG-PEM	N/A	0.0	0.0
Medina	58.9	C15-91	AG-PEM	N/A	0.0	0.0
Medina	62.7	B15-70	PEM	N/A	0.1	0.0
Medina	67.7	AWB-ME-31	PEM/PSS	N/A	0.1	0.0
Medina	70.5	B15-27	AG-PEM	N/A	0.0	0.0
Medina	70.6	C15-42	AG-PEM	N/A	0.0	0.0
Medina	70.6	C15-42	AG-PEM	N/A	0.1	0.0
Medina	70.6	C15-42	AG-PEM	N/A	0.0	0.0
Medina	70.6	C15-42	AG-PEM	N/A	0.0	0.0
Medina	70.6	C15-42	AG-PEM	N/A	0.3	0.0
Medina	70.6	C15-42	AG-PEM	N/A	0.2	0.0
Medina	72.5	A14-48	PFO	N/A	0.1	0.0
Medina	72.5	A14-48	PFO	N/A	0.0	0.0
Medina	72.5	A14-48	PFO	N/A	0.1	0.0
Medina	72.5	A14-48	PFO	N/A	0.2	0.0
Medina	72.5	A14-48	PEM	N/A	0.0	0.0
Medina	73.2	C15-24-W9	PEM	N/A	0.0	0.0
Medina	73.3	C15-24-W8	PSS	N/A	0.0	0.0
Medina	73.3	C15-24-W8	PSS	N/A	0.1	0.0
Medina	73.3	C15-24-W8	PSS	N/A	0.0	0.0
Medina	73.3	C15-24-W8	PFO	N/A	0.0	0.0
Medina	73.3	C15-24-W7	PFO	N/A	0.0	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Medina	76.3	B15-74	PEM	N/A	0.1	0.0
Medina	76.9	A15-76	PEM	N/A	0.0	0.0
Medina	77.7	A15-75	AG-PEM	N/A	0.0	0.0
Lorain	82.0	A14-59	AG-PEM	N/A	0.0	0.0
Lorain	82.8	A14-63	PFO	N/A	0.3	0.0
Lorain	83.5	A14-68	PFO	N/A	0.1	0.0
Lorain	83.7	A14-67	PEM	N/A	0.0	0.0
Lorain	84.8	B15-90	AG-PEM	N/A	0.1	0.0
Lorain	84.9	A15-51	AG-PEM	N/A	0.0	0.0
Lorain	87.0	A14-52	PFO	N/A	0.1	0.0
Lorain	87.7	B15-95	PFO	N/A	0.0	0.0
Lorain	87.8	B15-95	PEM	N/A	0.2	0.0
Lorain	87.8	B15-95	PEM	N/A	0.4	0.0
Lorain	95.7	A14-182	PEM	N/A	0.0	0.0
Lorain	95.7	A14-182	PEM	N/A	0.0	0.0
Lorain	96.3	C15-58	PFO	N/A	0.1	0.0
Lorain	96.3	C15-58	PFO	N/A	0.0	0.0
Lorain	96.3	C15-58	PEM	N/A	0.0	0.0
Lorain	96.3	C15-58	PEM	N/A	0.0	0.0
Lorain	96.8	A15-38	PEM	N/A	0.1	0.0
Lorain	96.8	A15-38	PSS	N/A	0.0	0.0
Lorain	96.8	A15-38	AG-PEM	N/A	0.2	0.0
Lorain	100.2	C15-63	AG-PEM	N/A	0.0	0.0
Lorain	100.3	C15-99	AG-PEM	N/A	0.0	0.0
Lorain	100.6	B15-105	PFO	N/A	0.1	0.0
Erie	105.9	C15-70	PEM	N/A	0.4	0.0
Erie	105.9	C15-70	PEM	N/A	0.2	0.0
Erie	111.4	B15-60	PEM	N/A	0.0	0.0
Erie	116.5	A14-156	PFO	N/A	0.0	0.0
Erie	116.5	A14-156	PFO	N/A	0.1	0.0
Erie	116.5	A14-156	PEM	N/A	0.0	0.0
Erie	120.4	C15-22-W2	PEM	N/A	0.0	0.0
Erie	120.4	C15-22-W2	PEM	N/A	0.0	0.0
Sandusky	137.3	D15-105	AG-PEM	N/A	0.0	0.0
Sandusky	137.5	D15-109	AG-PEM	N/A	0.0	0.0
Sandusky	138.6	D14-9	PSS	N/A	0.0	0.0
Sandusky	138.6	D14-9	PSS	N/A	0.3	0.0
Sandusky	139.3	D15-71	PEM	N/A	0.0	0.0
Sandusky	141.6	D15-32	PEM	N/A	0.0	0.0
Sandusky	141.6	D15-32	PEM	N/A	0.1	0.0
Sandusky	145.5	AWB-SA-706	PEM	N/A	0.2	0.0
Sandusky	146.3	AWB-SA-701	PEM	N/A	0.8	0.0
Sandusky	146.3	AWB-SA-701	PEM	N/A	0.7	0.0
Sandusky	146.4	AWB-SA-701	PEM	N/A	0.2	0.0
Sandusky	146.4	AWB-SA-701	PEM	N/A	0.0	0.0
Sandusky	146.4	D15-104	PEM	N/A	0.1	0.0
Sandusky	157.6	D14-41	PFO	N/A	0.1	0.0
Sandusky	158.1	E14-123	PFO	N/A	0.0	0.0
Sandusky	158.1	E14-123	PFO	N/A	0.3	0.0
Sandusky	158.1	E14-123	PEM	N/A	0.0	0.0
Sandusky	158.2	D14-42	PEM	N/A	0.1	0.0
Sandusky	158.2	D14-42	PSS	N/A	0.4	0.0
Sandusky	158.6	D14-25	PEM	N/A	0.1	0.0

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
Wood	166.6	E14-152	PEM	N/A	0.1	0.0
Wood	166.6	E14-152	PFO	N/A	0.1	0.0
Wood	166.7	E14-152	AG-PEM	N/A	0.2	0.0
Wood	170.9	E14-41	AG-PEM	N/A	0.1	0.0
Wood	181.3	D15-107	PEM	N/A	0.0	0.0
Wood	181.3	D15-107	AG-PEM	N/A	0.0	0.0
Wood	181.3	D15-107	AG-PEM	N/A	0.0	0.0
Lucas	187.9	E15-10	AG-PEM	N/A	0.2	0.0
Lucas	189.0	D15-3	AG-PEM	N/A	0.1	0.0
Henry	189.3	E15-27	PEM	N/A	0.1	0.0
Henry	189.4	E15-27	AG-PEM	N/A	0.0	0.0
Henry	189.4	E15-27	AG-PEM	N/A	0.0	0.0
Henry	189.4	E15-27	AG-PEM	N/A	0.0	0.0
Henry	189.5	E15-30	AG-PEM	N/A	0.0	0.0
Henry	190.1	D15-7	AG-PEM	N/A	0.1	0.0
Henry	190.1	D15-7	AG-PEM	N/A	0.4	0.0
Henry	190.2	D15-7	AG-PEM	N/A	0.4	0.0
Henry	190.2	D15-7	AG-PEM	N/A	0.1	0.0
Henry	190.2	D15-7	PEM	N/A	0.0	0.0
Henry	190.2	D15-7	PEM	N/A	0.1	0.0
Fulton	191.6	D15-15	AG-PEM	N/A	0.1	0.0
Fulton	194.8	E15-38	AG-PEM	N/A	0.0	0.0
Fulton	196.6	D15-18	AG-PEM	N/A	0.1	0.0
Fulton	198.9	D15-11	AG-PEM	N/A	0.0	0.0
Fulton	201.9	E15-16	AG-PEM	N/A	0.0	0.0
Fulton	202.1	E15-17	AG-PEM	N/A	0.1	0.0
Michigan						
Lenawee	215.68	D15-123	AG-PEM	N/A	0.0	0.0
Lenawee	224.9	D15-114	AG-PEM	N/A	0.1	0.0
Washtenaw	237.2	D15-121	AG-PEM	N/A	0.0	0.0
Washtenaw	244.6	E15-11	PFO	N/A	0.1	0.0
Washtenaw	244.6	E15-11	PFO	N/A	0.0	0.0
Washtenaw	244.6	E15-11	AG-PEM	N/A	0.1	0.0
Washtenaw	245.0	E15-12	AG-PEM	N/A	0.1	0.0
Washtenaw	245.2	E14-167	PEM	N/A	0.1	0.0
Washtenaw	254.4	D15-77	PFO	N/A	0.7	0.0
Washtenaw	254.4	D15-77	PFO	N/A	1.3	0.0
Washtenaw	254.4	D15-77	PFO	N/A	0.2	0.0
Washtenaw	254.6	D15-77	PSS	N/A	0.2	0.0
Washtenaw	254.6	D15-77	PSS	N/A	0.3	0.0
Washtenaw	254.6	D15-77	PSS	N/A	0.1	0.0
Washtenaw	254.7	D15-77	PFO	N/A	0.0	0.0
Washtenaw	254.9	D15-44	PFO	N/A	0.1	0.0
Washtenaw	255	D15-41	PEM	N/A	0.1	0.0
Washtenaw	255	D15-42	PEM	N/A	0.0	0.0
				Ohio Total	**19.9**	**0.0**
				Michigan Total	**3.7**	**0.0**
				ATWS Total	**23.6**	**0.0**

APPENDIX I-1 (cont'd)

NGT Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a]	Crossing Length (feet)	Construction (acres)	Operation (acres)
ACCESS ROADS						
Michigan						
Washtenaw	254.4	D15-77	PFO	0.0	<0.1	0.0
				Ohio Total	**0.0**	**0.0**
				Michigan Total	**<0.1**	**0.0**
				Access Road Total	**<0.1**	**0.0**
				NGT Project Total [c]	**190.2**	**39.8**

a Wetland classification according to Cowardin et al., (1979): PEM = Palustrine Emergent Wetland; PSS = Palustrine Scrub-Shrub Wetland; PFO = Palustrine Forested Wetland.

b Total operational impacts on PSS acreage may be less than reflected in the table due to maintenance limit to a 10-foot-wide corridor centered over the pipeline.

c No wetland impacts will occur within access roads, contractor ware yards, or non-pipeline aboveground facilities.

Note: Sum of addends may not equal total due to rounding.

APPENDIX I-2

TEAL PROJECT WETLAND IMPACTS

APPENDIX I-2

TEAL Project Wetland Impacts

State/County/Facility	Milepost	Wetland ID	Type [a, b]	Crossing Length (feet)	Construction (acres)	Operation (acres)
LOOPLINE						
Monroe	0.7	A15-24	PEM	34.3	0.1	0.0
Monroe	0.7	A15-24	PEM	21.2	0.0	0.0
Monroe	0.7	A15-24	PEM	0.0	0.0	0.0
Monroe	1.2	A15-07	PSS	70.5	0.0	<0.1
Monroe	1.2	A15-07	PSS	0.0	0.0	0.0
Monroe	1.2	A15-07	PSS	0.0	0.0	0.0
Monroe	1.2	A15-07	PFO	0.5	0.0	<0.1
Monroe	1.2	A15-07	PFO	0.0	0.0	0.0
Monroe	1.6	A15-08	PEM	33.7	0.0	0.0
Monroe	1.6	A15-08	PEM	0.0	0.0	0.0
Monroe	1.6	A15-08	PEM	0.0	0.0	0.0
Monroe	1.7	A15-09	PEM	0.0	0.0	0.0
Monroe	1.9	A15-10	PEM	0.0	0.0	0.0
Monroe	2.2	A15-11	PEM	2.2	0.0	0.0
Monroe	2.2	A15-11	PEM	0.0	0.0	0.0
Monroe	2.4	A15-12	PEM	40.7	0.0	0.0
Monroe	2.4	A15-12	PEM	35.4	0.0	0.0
Monroe	2.4	A15-12	PEM	13.1	0.0	0.0
Monroe	2.4	A15-12	PEM	0.0	0.0	0.0
Monroe	2.4	A15-12	PEM	0.0	0.0	0.0
Monroe	3.0	A15-15	PEM	0.0	0.0	0.0
Monroe	4.1	B15-21	PEM	0.0	0.0	0.0
Monroe	4.1	B15-21	PEM	0.0	0.1	0.0
Monroe	4.2	A15-18	PEM	72.2	0.2	0.0
Monroe	4.2	A15-18	PEM	110.7	0.1	0.0
Monroe	4.2	A15-18	PEM	0.0	0.0	0.0
Monroe	4.3	A15-19	PEM	178.1	0.2	0.0
Monroe	4.3	A15-19	PEM	0.0	0.0	0.0
Monroe	4.3	A15-19	PEM	0.0	0.0	0.0
				Pipeline Loop Total	**1.0**	**0.1**
ATWS ON LOOPLINE						
Monroe	1.2	A15-07	PFO	0.0	<0.1	0.0
Monroe	1.2	A15-07	PFO	0.0	<0.1	0.0
Monroe	1.7	A15-09	PEM	0.0	<0.1	0.0
Monroe	4.0	B15-20	PEM	0.0	<0.1	0.0
Monroe	4.2	A15-18	PEM	0.0	<0.1	0.0
				ATWS Total	**<0.1**	**0.0**
CONNECTING PIPELINE						
Monroe	N/A	B15-17	PEM	0.0	0.1	0.0
Columbiana	N/A	B15-17	PEM	99.9	0.1	0.0
Columbiana	N/A	B15-17	PEM	0.0	0.1	0.0
				Connecting Pipeline Total	**0.3**	**0.0**
				TEAL Project Total [c]	**1.3**	**0.1**

a Wetland classification according to Cowardin et al., (1979): PEM = Palustrine Emergent Wetland; PSS = Palustrine Scrub-Shrub Wetland; PFO = Palustrine Forested Wetland.

b Total operational impacts on PSS acreage may be less than reflected in the table due to maintenance limit to a 10-foot-wide corridor centered over the pipeline

c No wetland impacts will occur within access roads, contractor ware yards, or non-pipeline aboveground facilities

Note: Sum of addends may not equal total due to rounding

APPENDIX J

STATE-LISTED SPECIES POTENTIALLY OCCURRING WITHIN OR NEAR THE NGT AND TEAL PROJECTS

APPENDIX J

State-listed Species Potentially Occurring within or near the NGT and TEAL Projects

Species Name		Federal				
Common Name	Scientific Name	Status	State Status	County	Habitat	Impacts
Amphibians						
Blanchard's cricket frog	*Acris crepitans blanchardi*	Not listed	MI – Threatened	Washtenaw	Open edges of permanent ponds, lakes, floodings, bogs, seeps and slow-moving streams and rivers	No impacts – HDD crossing methods selected to avoid potential habitat
Blue-spotted salamander	*Ambystoma laterale*	Not listed	OH – Endangered	Henry and Lucas	Occurs in damp forested areas with sandy soils. Typically found burrowing under rotting logs.	No impacts – lack of potential habitat
Eastern hellbender	*Cryptobranchus alleganiensis alleganiensis*	Not listed	OH – Endangered	Summit	Habitat is limited to cool and very clean, dissolved-oxygen rich waters with gravel and bedrock substrate. Often occurrences are associated with Ohio River drainages	No Impacts – based on habitat assessments, there is no suitable habitat within Project
Avian						
American bittern	*Botaurus lentiginosus*	Not listed	OH – Endangered	Lucas, Sandusky, and Summit	Occurs in large and undisturbed wetlands with thick vegetative cover and areas with small sections of open water	May impact – the Project avoids potential habitat where practicable
Barn owl	*Tyto alba*	Not listed	OH – Endangered	Columbiana and Wayne	Utilizes hallow trees or man-made sheds, etc. for nesting but are found in areas of large open grasslands.	No impact – NGT would avoid removal of abandoned buildings
Black tern	*Childonias niger*	Not listed	OH – Endangered	Lucas, Erie, and Sandusky	Large, undisturbed inland marshes with fairly dense vegetation and pockets of open water. They nest in various kinds of marsh vegetation, but cattail marshes are generally favored	May impact – the Project avoids potential habitat where practicable
Common tern	*Sterna hirundo*	Not listed	OH – Endangered	Erie, Lorain, and Lucas	Limited to the shores or islands of Lake Erie	No impacts – HDD crossing methods selected to avoid potential habitat
Grasshopper sparrow	*Ammodramus savannarum*	Not listed	MI – Special Concern	Lenawee, Monroe, and Washtenaw	Habitat includes grasslands, cultivated fields, hayfields and old fields	May impact – the Project avoids potential habitat where practicable
Kirtland's warbler	*Setophaga kirtlandii*	Endangered	OH – Endangered	Lorain, Erie, Sandusky, and Lucas	Kirtland's warblers are known to migrate along the Lake Erie shoreline through Ohio in late April-May and late August-early October	No impacts – the Project is situated more than 3 miles from Lake Erie
King rail	*Rallus elegans*	Not listed	OH – Endangered	Lucas and Sandusky	Occurs in freshwater wetland habitats with dense confines of cattails and other marsh vegetation	May impact – the Project avoids potential habitat where practicable
Lark sparrow	*Chondestes grammacus*	Not listed	OH – Endangered	Fulton, Henry, and Lucas	Occupy open grass and shrubby fields along sandy beach ridges	No impacts – avoidance of open natural areas within Oak Openings Region

APPENDIX J (cont'd)

State-listed Species Potentially Occurring within or near the NGT and TEAL Projects

Species Name		Federal				
Common Name	Scientific Name	Status	State Status	County	Habitat	Impacts
Avian (cont'd)						
Northern harrier	*Circus cyaneus*	Not listed	OH – Endangered	Wood	Inhabits large marshes and grasslands	May impact – the Project avoids potential habitat where practicable
Piping plover	*Charadrius melodus*	Endangered	OH – Endangered	Lorain, Erie, Sandusky, Lucas	Beaches along the shorelines of the Great Lakes	No impacts – the Project is situated more than 3 miles for Lake Erie
Sandhill crane	*Grus canadensis*	Not listed	OH – Endangered	Lorain	Dependent on wetland habitats, including large tracts of wet meadow, shallow marsh or bogs for breeding	May impact – the Project avoids potential habitat where practicable
Trumpeter swan	*Cygnus buccinators*	Not listed	OH – Threatened	Sandusky	Occurs in large marshes and lakes (typically 40 to 150 acres). Utilize shallow wetlands with a diverse mix of plenty of emergent vegetation and open water	May impact – the Project avoids potential habitat where practicable
Upland sandpiper	*Bartramia longicauda*	Not listed	OH – Endangered	Erie, Fulton, Lorain, Sandusky, Summit, and Wood	Native prairie and other dry grasslands, including airports and some croplands	May impact – the Project avoids potential habitat where practicable
Fish						
Bigmouth shiner	*Notropis dorsalis*	Not listed	OH – Threatened	Medina and Lorain	Lake Erie drainages; found in pools with sandy substrates	No impacts – stream crossing methods selected to avoid impacts
Channel darter	*Percina copelandi*	Not listed	OH – Threatened	Columbiana, Erie, and Lorain	Occur in large, coarse sand or fine gravel bars in large rivers or along lake shores	No impacts – stream crossing methods selected to avoid impacts
Greater redhorse	*Moxostoma valenciennesi*	Not listed	OH – Threatened	Fulton, Lucas, and Sandusky	Found in clean sand or gravel substrate of medium to large rivers within the Lake Erie drainage	No impacts – stream crossing methods selected to avoid impacts
Iowa darter	*Etheostoma exile*	Not listed	OH – Endangered	Stark and Summit	Found in natural lakes and very sluggish streams or marshes with dense aquatic vegetation and clear waters	No impacts – stream crossing methods selected to avoid impacts
Lake chubsucker	*Erimyzon sucetta*	Not listed	OH – Threatened	Wayne and Summit	Found in natural lakes and very sluggish streams or marshes with dense aquatic vegetation and clear waters	No impacts – stream crossing methods selected to avoid impacts
Lake sturgeon	*Acipenser fluvescens*	Not listed	OH – Endangered	Erie, Lorain, and Lucas	Found in larger rivers and lakes with mud and sand substrates	No impacts – stream crossing methods selected to avoid impacts

APPENDIX J (cont'd)

State-listed Species Potentially Occurring within or near the NGT and TEAL Projects

Species Name		Federal				
Common Name	Scientific Name	Status	State Status	County	Habitat	Impacts
Fish (cont'd)						
Orangethroat darter	*Etheostoma spectabile*	Not listed	MI – Special Concern	Monroe and Washtenaw	Occurs in small creeks to medium-sized streams with substrates of sand or gravel and slow to moderately swift currents, where it is most often found among riffles	No impacts – stream crossing methods selected to avoid impacts
Pugnose minnow	*Opsopoeodus emiliae*	Not listed	OH – Endangered	Summit	Lake Erie in bays and marshes with extremely clear waters and profuse amounts of submerged aquatic vegetation	No impacts – stream crossing methods selected to avoid impacts
Spotted gar	*Lepisosteus oculatus*	Not listed	OH – Endangered	Erie, Lorain, Sandusky, and Lucas	Found in Lake Erie	No impacts – the Project is situated more than 3 miles for Lake Erie
Western banded killfish	*Fundulus diaphanous menona*	Not listed	OH – Endangered	Sandusky and Wood	Occurs in areas with an abundance of rooted aquatic vegetation, clear waters, and substrates of clean sand or organic debris free of silt	No impacts – stream crossing methods selected to avoid impacts
Insects						
Canada darner	*Aeshna canadensis*	Not listed	OH – Threatened	Lucas	Inhabits both terrestrial and freshwater environments, including bogs, beaver ponds, lakes and other freshwater areas	No impacts - avoidance of impacts to potential habitat
Chalk-fronted corporal	*Ladona julia*	Not listed	OH – Threatened	Summit	Nutrient poor lakes, bogs and marshes	May impact – the Project avoids potential habitat where practicable
Elfin skimmer	*Nannothemis bella*	Not listed	OH – Endangered	Summit	Primarily inhabits stagnant pools and marshy places, such as bogs	May impact – the Project avoids potential habitat where practicable
Frosted elfin	*Incisalia irue*	Not listed	OH – Endangered	Lucas	Inhabits oak savannas with blue lupine	No impacts – avoidance of open natural areas within Oak Openings Region
Karner blue butterfly	*Lycaeides melissa samuelis*	Endangered	OH – Endangered MI – Threatened	OH – Lucas MI – Lenawee	Pine barrens and oak savannas on sandy soils and containing wild lupine (*Lupinus perennis*)	No impacts – botanical surveys were conducted and no lupine was identified
Laura's snaketail	*Stylurus laurae*	Not listed	MI – Special Concern	Washtenaw and Wayne	Occurs in shallow, well shaded rivers and streams with cobble, sand or mud substrate	No impacts – stream crossing methods selected to avoid impacts
Marsh bluet	*Enallagma erbium*	Not listed	OH – Threatened	Summit	Occurs at lowland lakes, ponds, and marshes, and has a definite preference for alkaline waters	May impact – the Project avoids potential habitat where practicable

APPENDIX J (cont'd)

State-listed Species Potentially Occurring within or near the NGT and TEAL Projects

Species Name		Federal				
Common Name	Scientific Name	Status	State Status	County	Habitat	Impacts
Insects (cont'd)						
Mitchell's satyr butterfly	*Neonympha mitchelli mitchelli*	Endangered	MI – Endangered	Lenawee, Washtenaw, and Wayne	Fens; wetlands characterized by calcareous soils which are fed by carbonate-rich water from seeps and springs	No impacts – avoidance of impacts to potential habitat proposed
Persius duskywing	*Erynnis persius*	Not listed	OH – Endangered	Lucas	Inhabits oak savannas and blue lupine	No impacts – avoidance of open natural areas within Oak Openings Region
Pipevine swallowtail	*Battus philenor*	Not listed	MI – Special Concern	Lenawee and Washtenaw	Open fields and railroad embankments near oak-hickory woods or in open areas near deciduous woodlands	May impact – the Project avoids potential habitat where practicable
Plains clubtail	*Gomphus externus*	Not listed	OH – Endangered	Erie	Occurs along large, slow flowing and muddy streams and rivers	No impacts – stream crossing methods selected to avoid impacts
Powesheik skipperling	*Oarisma poweshiek*	Endangered	MI – Threatened	Lenawee and Washtenaw	Wet prairies and fens	No impacts – avoidance of impacts to potential habitat proposed
Purplish copper	*Lycaena helloides*	Not listed	OH – Endangered	Lucas	Inhabits a variety of disturbed moist areas, such as fallow fields with poor drainage, sedge meadows, wet prairies, wet ditches and low, damp areas in cultivated fields	May impact – the Project avoids potential habitat where practicable
Racket-tailed emerald	*Dorocordulia libera*	Not listed	OH – Endangered	Summit	Species confined to boggy ponds and lake edges	May impact – the Project avoids potential habitat where practicable
Regal fritiallary	*Speyeria idalia*	Not listed	MI – Endangered	Lenawee and Washtenaw	Prairie or open environments frequently in sandy regions. Meadows, old fields, and floodplain forest openings and edges	No impacts – avoidance of potential habitat proposed
Swamp metalmark	*Calephelis mutica*	Not listed	MI – Special Concern	Lenawee	Occurs in prairie fens and southern wet meadows that support its main host plant, swamp thistle (*Cirsium muticum*)	No impacts – avoidance of potential habitat proposed
Wild indigo dustwing	*Erynnis baptisiae*	Not listed	MI – Special Concern	Monroe, Washtenaw, and Wayne	Commonly occurs in open oak barrens, shrubby fields, prairies and roadsides or areas where its main food source, the wild indigo (*Baptisia australis*) grows	No impacts – avoidance of potential habitat proposed
Mammals						
Black bear	*Ursus americanus*	Not listed	OH – Endangered	All	Primarily inhabit heavily wooded forests, but can thrive in wetlands and swamps to dry coniferous or deciduous forests	No impacts anticipated

APPENDIX J (cont'd)

State-listed Species Potentially Occurring within or near the NGT and TEAL Projects

Species Name		Federal Status	State Status	County	Habitat	Impacts
Common Name	Scientific Name					
Mammals (cont'd)						
Evening bat	*Nycticeius humeralis*	Not listed	MI – Threatened	Lenawee	Inhabits old and mature forests, this species prefers to roost behind loose bark during the nonbreeding season	May impact – two evening bats captured during surveys.
Indiana bat	*Myotis sodalis*	Endangered	OH – Endangered MI – Endangered	All	Inhabits caves and abandoned mines which provide cool and stable temperatures during the winter and then inhabit under loose bark of exfoliating trees or in tree hollows in the summer	May impact – no Indiana bats captured during surveys and no hibernacula identified during portal searches. NGT would only conduct tree clearing during non-active season, October 1 – March 31
Least shrew	*Cryptotis humeralis*	Not listed	MI – Threatened	Washtenaw	Dry upland meadows with dense coverage of grasses and forbs. Nests are found tucked under rocks, logs, discarded lumber, metal sheeting, and hay bales left in fields over winter	No impacts anticipated
Northern long-eared bat	*Myotis septentrionalis*	Threatened	OH – Threatened MI – Threatened	All	Hibernation sites used during the winter (caves, mines) and roosting sites for reproduction (tree cavities) during the summer	May impact –
Mussels						
Black sandshell	*Ligumia recta*	Not listed	OH – Threatened MI – Endangered	OH – Erie, Lorain, Lucas MI- Lenawee, Monroe, Washtenaw	Occupies rivers with strong currents and lakes with a firm substrate of gravel	No impacts – surveys were conducted and one live individual was found in Ohio (Maumee River). This river would be crossed using HDD method
Creek heelsplitter	*Lasmigona compressa*	Not listed	OH – Special Concern	Columbiana, Wayne, Lorain, Huron, Wood, Lucas, and Henry	Most common in headwater streams with firm substrates, but can be found in larger rivers	No impacts – selection of crossing method or relocation efforts prior to construction
Deertoe	*Truncilla truncate*	Not listed	OH – Special Concern MI – Special Concern	OH – Erie, Sandusky, Wood, Lucas, and Henty MI – Lenawee and Monroe	Prefers habitats of firm sand or gravel substrates in rivers and lakes with a moderately swift current	No impacts – selection of crossing method or relocation efforts prior to construction

APPENDIX J (cont'd)

State-listed Species Potentially Occurring within or near the NGT and TEAL Projects

Species Name		Federal Status	State Status	County	Habitat	Impacts
Common Name	Scientific Name					
Mussels (cont'd)						
Eastern pondmussel	*Ligumia nasuta*	Not listed	OH – Endangered MI – Endangered	OH – Lorain, Erie, Sandusky, and Lucas MI – Monroe	Occurs in slow moving streams or ponds/lakes with sandy substrate. Limited to Lake Erie and Lake Erie tributaries	No impacts – species not identified during 2015 surveys
Elktoe	*Alasmidonta marginata*	Not listed	MI – Special Concern	All	Found in clean small to large sized streams and rivers and prefers swifter currents over packed sand and gravel substrates	No impacts – identified in the River Raisin, which would be crossed utilizing HDD method
Ellipse	*Venustaconcha ellipsiformis*	Not listed	MI – Special Concern	Washtenaw	The ellipse occurs in the swift currents of riffles or runs of clear, small to medium sized streams in gravel or sand and gravel substrates	No impacts – species not identified during 2015 surveys
Fawnsfoot	*Truncilla donaciformis*	Not listed	OH – Threatened MI – Threatened	OH – Eric, Lucas, and Sandusky MI – Monroe	Large rivers in compact sand and gravel substrates	No impacts – identified in the Sandusky River (Ohio), which would be crossed utilizing the HDD method
Hickorynut	*Obovaria olivaria*	Not listed	MI – Endangered	Monroe and Washtenaw	Occurs in medium to large streams with silt, sand and gravel substrates	No impacts – species not identified during 2015 surveys
Kidneyshell	*Ptychobranchus fasciolaris*	Not listed	OH – Special Concern MI – Special Concern	OH – None listed MI – Lenawee, Monroe, and Washtenaw	The kidneyshell occurs in high water quality creeks, rivers and lakes with moderate to swift currents and a sand or gravel substrate	No impacts – identified in the Vermillion River, which would be crossed utilizing the HDD method
Lilliput	*Toxolasma parvus*	Not listed	MI – Endangered	Lenawee, Monroe, and Wayne	Small streams with muddy or clay substrates. Occasionally found in large rivers, lakes and impoundments	No impacts – species not identified during 2015 surveys
Northern riffleshell mussel	*Epioblasma torulosa rangiana*	Endangered	MI – Endangered	Lenawee, Monroe, and Wayne	Large streams and small rivers in firm sand of riffle areas; also occurs in Lake Erie	No impacts – species not identified during 2015 surveys
Paper pondshell	*Utterbackia imbecillis*	Not listed	MI – Special Concern	Monroe, Washtenaw, and Wayne	Lakes, ponds, and impoundments with soft mud or sand substrates	No impacts – selection of crossing method or relocation efforts prior to construction
Purple Lilliput	*Toxolasma lvidus*	Not listed	MI – Endangered	Monroe	Small streams with compact sand or gravel substrates	No impacts – species not identified during 2015 surveys

APPENDIX J (cont'd)

State-listed Species Potentially Occurring within or near the NGT and TEAL Projects

Species Name		Federal Status	State Status	County	Habitat	Impacts
Common Name	Scientific Name					
Mussels (cont'd)						
Purple wartyback	*Cyclonaias tuberculate*	Not listed	OH – Special Concern MI – Threatened	OH – Erie and Lucas MI – Lenawee, Monroe, Washtenaw	Found in medium to large rivers with gravel or mixed sand and gravel substrates	No impacts – species not identified during 2015 surveys
Rainbow	*Vilosa iris*	Not listed	MI – Special Concern	All	The rainbow occurs in coarse sand or gravel in small to medium streams	No impacts – species not identified during 2015 surveys
Rayed bean	*Vilosa fabalis*	Endangered	OH – Endangered MI – Endangered	OH – Lucas MI – Lenawee, Monroe, and Wayne	Small headwater creeks, but they are sometimes found in large rivers	No impacts – identified in the River Raisin, which would be crossed utilizing HDD method
Round hickorynut	*Obovaria subrotunda*	Not listed	MI – Endangered	Lenawee	Found along the shores of medium to large rivers and lakes. The round hickorynut generally is found in sand and gravel substrates in areas with moderate flow	No impacts – species not identified during 2015 surveys
Round pigtoe	*Pleurobema sintoxia*	Not listed	OH – Special Concern MI – Special Concern	OH – Lucas MI – All	Occurs in mud, sand, or gravel substrates of medium to large rivers	No impacts – species not identified during 2015 surveys
Slippershell	*Alasmidonta biridis*	Not listed	MI – Threatened	Lenawee, Monroe, Washtenaw, and Wayne	Found in creeks and headwaters of rivers, but has also been reported in larger rivers and lakes. Typically, this mussel usually occurs in sand, mud or gravel substrates	No impacts – identified in the River Raisin, which would be crossed utilizing HDD method
Snuffbox	*Epioblasma triquetra*	Endangered	OH – Endangered MI – Endangered	Monroe, Washtenaw, and Wayne	Small to medium-sized creeks in areas with swift current and some larger rivers	No impacts – species not identified during 2015 surveys
Threehorn wartyback	*Obliquaria reflexa*	Not listed	OH – Threatened MI – Endangered	OH – Erie, Lucas, Lorain, and Sandusky MI – Monroe	Large rivers in sand or gravel; may be locally abundant in impoundments	No impacts – identified in the Sandusky and Maumee Rivers in Ohio, both of which would be crossed utilizing HDD method

APPENDIX J (cont'd)

State-listed Species Potentially Occurring within or near the NGT and TEAL Projects

Species Name		Federal Status	State Status	County	Habitat	Impacts
Common Name	Scientific Name					
Mussels (cont'd)						
Wavy-rayed lampmussel	*Lampsilis fasciola*	Not listed	OH – Special Concern MI – Threatened	OH – Lorain and Columbiana MI – Monroe, Lenawee, Washtenaw	Occurs in small to medium sized shallow streams, in and near riffles, with good current. The substrate preference is sand and/or gravel	No impacts – species not identified during 2015 surveys
Plants						
Canadian milk vetch	*Astragalus Canadensis*	Not listed	MI – Threatened	Lenawee, Monroe, and Washtenaw	Dry prairie, moist shores, river banks, marshy ground, and partly shaded ground	No impacts – species not identified during botanical surveys
Compass plant	*Silphium laciniatum*	Not listed	MI – Threatened	Washtenaw	Mostly in southwestern Michigan; adventive along railroads and depauperate prairies	No impacts – species not identified during botanical surveys
Cup plant	*Silphium perfoliatum*	Not listed	MI – Threatened	Washtenaw	Found in river floodplains in forest openings and edges	May impact – identified during botanical surveys in Ohio
David's sedge	*Carex davisii*	Not listed	MI – Special Concern	Lenawee, Monroe, and Washtenaw	First and second bottoms of floodplain forests in southern Lower Michigan, especially in canopy gaps and artificial clearings, including riparian thickets and fields	No impacts – species not identified during botanical surveys
Eastern prairie fringed orchid	*Plantanthera leucophaea*	Threatened	OH – Threatened MI – Endangered	OH – Wayne, Sandusky MI – Monroe, Washtenaw	Wet prairies, sedge meadows, and moist roadside ditches. Typically restricted to sandy or peaty lakeshores or bogs	No impacts – species not identified during botanical surveys
Ginseng	*Panax quinquefolius*	Not listed	MI – Threatened	Monroe and Washtenaw	Rich, swampy hardwoods, especially on slopes or ravines	May impact – identified during botanical surveys in Ohio
Green violet	*Hybanthus concolor*	Not listed	MI – Special Concern	Lenawee, Washtenaw, and Wayne	Found in floodplain forests, usually in lower bottoms, as well as mesic forests and rich hardwoods	No impacts – species not identified during botanical surveys
Hairy angelica	*Angelica venenosa*	Not listed	MI – Special Concern	All	Open, upland oak forests, savanna and prairie remnants and open, sandy woodlots	No impacts – species not identified during botanical surveys
Hairy wild petunia	*Ruellia humilis*	Not listed	MI – Threatened	Washtenaw	Dry to moist prairies and oak openings	No impacts – species not identified during botanical surveys
Lakeside Daisy	*Hymenoxys herbacea*	Threatened	OH – Endangered	Erie	Found in full sun, calcareous sites, and dry prairies	No impacts – species not identified during botanical surveys

APPENDIX J (cont'd)

State-listed Species Potentially Occurring within or near the NGT and TEAL Projects

Species Name		Federal Status	State Status	County	Habitat	Impacts
Common Name	Scientific Name					
Plants (cont'd)						
Northern monkshood	*Aconitum noveboracense*	Threatened	OH – Endangered	Summit	On sandstone in cool, shaded ravines in close proximity to running water, seeps, talus slopes, rock shelters, vertical cliff faces	No impacts – species not identified during botanical surveys
Pale avens	*Geum virginianum*	Not listed	MI – Special Concern	Lenawee, Washtenaw, and Wayne	Found in openings and banks in woods	No impacts – species not identified during botanical surveys
Purple milkweed	*Asclepias purpurascens*	Not listed	MI – Threatened	Lenawee, Monroe, and Washtenaw	Occurs in dry woodlands (especially oak), dry thickets, shores, and in prairies	No impacts – species not identified during botanical surveys
Twinleaf	*Jeffersonia diphylla*	Not listed	MI – Special Concern	Lenawee, Washtenaw, and Wayne	Found in mesic forests with rich, loamy soils and in floodplain forests	No impacts – species not identified during botanical surveys
Water willow	*Justicia americana*	Not listed	MI – Threatened	Monroe and Washtenaw	Local colonies along the banks of the Huron and Raisin Rivers and nearby lakes and streams	No impacts – species not identified during botanical surveys
Weak Stellate sedge	*Carex seorsa*	Not listed	MI – Threatened	Washtenaw	Found on hummocks in hardwood or hardwood-conifer swamps, margins of bogs, and buttonbush depressions	No impacts – species not identified during botanical surveys
White gentian	*Gentiana flavida*	Not listed	MI – Endangered	Washtenaw	Dry or moist prairies and open oak savanna; nearly extirpated in Michigan	No impacts – species not identified during botanical surveys
White or prairie false indigo	*Baptisia lacteal*	Not listed	MI – Special Concern	Lenawee, Monroe, and Washtenaw	Dry to mesic prairies and savannas, dry open roadsides, along railroads, and in fencerows	No impacts – species not identified during botanical surveys
Reptiles						
Blanding's turtle	*Emydoidea blandingii*	Not listed	OH – Threatened	Erie, Lorain, Henry, and Fulton	Typically found in clean, aquatically diverse areas with muddy substrates. Common systems include ponds, marshes, swamps, bogs, wet prairies, and river backwaters	May impact – Potential suitable habitat avoided where practicable. Habitat suitability is currently being evaluated; potential surveys in 2016
Eastern massasauga	*Sistrurus catenatus catenatus*	Proposed Threatened	OH – Endangered MI – Special Concern	OH – Wayne, Huron, and Sandusky MI – Lenawee, Monroe, Washtenaw, and Wayne	Wet prairies, sedge meadows, and early successional fields, preferred wetland habitats are marshes and fens	May impact – no suitable habitat in Ohio; surveys in Michigan. Fall presence/absence surveys were conducted with no individuals found. Spring emergence surveys will be conducted in 2016

APPENDIX J (cont'd)

State-listed Species Potentially Occurring within or near the NGT and TEAL Projects

Species Name		Federal Status	State Status	County	Habitat	Impacts
Common Name	Scientific Name					
Reptiles (cont'd)						
Spotted turtle	*Clemmys guttata*	Not listed	OH – Threatened MI – Threatened	OH – Summit, Erie, Lorain, and Fulton MI – Lenawee, Washtenaw, and Wayne	Slow-moving bodies of water with muddy or mucky bottoms and some aquatic and emergent vegetation, including shallow ponds, wet meadows, bogs, fends, sedge meadows, shallow cattail marshes, small woodland streams and roadside ditches	May impact – Potential suitable habitat avoided where practicable. Habitat suitability is currently being evaluated; potential surveys in 2016

APPENDIX K

LAND USE TABLES

APPENDIX K-1

SUMMARY OF EXISTING UTILITIES CROSSED BY THE NGT PROJECT

APPENDIX K-1

Summary of Existing Utilities Crossed by the NGT Project

State, Facility, County	Approximate MP	Utility Owner(s)/Operator(s)	Utility Type(s)
OHIO			
TGP Interconnecting Pipeline			
Columbiana	0.6	Access Midstream	Natural Gas
Columbiana	0.7	NiSource Midstream	Natural Gas
Mainline			
Columbiana	0.3	S&S Energy Corp, Access Midstream	Natural Gas
Columbiana	0.9	S&S Energy Corp	Natural Gas
Columbiana	0.9	Midstream	Natural Gas
Columbiana	0.9	Williams	Natural Gas
Columbiana	1.3	First Energy	Electric Transmission
Columbiana	1.4	First Energy	Electric Transmission
Columbiana	1.6	Unknown	Unknown
Columbiana	1.8	Access Midstream (49) M3 Midstream (30) Ev Energy (21)	Natural Gas Liquid (NGL)
Columbiana	1.8	Midstream Nisource Inc.	Natural Gas
Columbiana	2.2	Midstream Caiman Energy II Dominion	Natural Gas
Columbiana	3.1	Access Midstream Total E&P USA Enervest Energy	Natural Gas
Columbiana	3.2	Dominion East Ohio	Natural Gas
Columbiana	5.0	Atlas Energy	Natural Gas
Columbiana	5.6	Atlas Energy	Natural Gas
Columbiana	5.7	First Energy	Electric Transmission
Columbiana	6.1	Unknown	Electric Transmission
Columbiana	6.2	First Energy	Electric Transmission
Columbiana	6.3	Unknown	Electric Transmission
Columbiana	6.4	Atlas Energy	Natural Gas
Columbiana	6.6	First Energy	Electric Transmission
Columbiana	7.2	Atlas Energy	Natural Gas
Columbiana	7.3	Atlas Energy	Natural Gas
Columbiana	7.6	America Energy	Crude Oil
Columbiana	7.7	Atlas Energy	Natural Gas
Columbiana	7.8	Atlas Pipeline	Natural Gas
Columbiana	7.8	Atlas Pipeline	Natural Gas
Columbiana	8.0	Atlas Energy	Natural Gas
Columbiana	8.2	Atlas Pipeline	Natural Gas
Columbiana	8.5	Unknown	Natural Gas
Columbiana	8.6	First Energy	Electric Transmission
Columbiana	8.6	Unknown	Natural Gas
Columbiana	8.9	Unknown	Natural Gas
Columbiana	9.9	Atlas Gas Enervest Energy Partners	Natural Gas
Columbiana	10.0	Enervest Energy Partners	Natural Gas
Columbiana	10.2	First Energy	Electric Transmission
Columbiana	10.3	Enervest Energy Partners	Natural Gas
Columbiana	10.5	Enervest Energy Partners	Natural Gas
Columbiana	10.6	Enervest Energy Partners	Natural Gas
Columbiana	11.1	NiSource Inc.	Natural Gas
Columbiana	11.7	First Energy	Electric Transmission
Columbiana	12.3	Clinton Oil	Natural Gas

APPENDIX K-1 (cont'd)

Summary of Existing Utilities Crossed by the NGT Project

State, Facility, County	Approximate MP	Utility Owner(s)/Operator(s)	Utility Type(s)
Mainline (cont'd)			
Columbiana	12.4	Unknown	Electric Transmission
Stark	12.5	Unknown	Electric Transmission
Stark	13.1	First Energy	Electric Transmission
Stark	13.2	Unknown	Electric Transmission
Stark	14.0	Unknown	Electric Transmission
Stark	14.1	First Energy	Electric Transmission
Stark	14.1	Enervest Energy Partners	Natural Gas
Stark	14.2	Unknown	Unknown
Stark	14.3	First Energy	Electric Transmission
Stark	14.5	Belden & Blake Corp Enervest Energy Partners	Natural Gas
Stark	14.6	Dominion	Natural Gas
Stark	14.8	Unknown	Electric Transmission
Stark	14.8	Enervest Energy Partners	Natural Gas
Stark	15.0	East Ohio Gas Company Dominion	Natural Gas
Stark	15.2	East Ohio Gas Company	Natural Gas
Stark	15.8	First Energy	Electric Transmission
Stark	16.0	First Energy	Electric Transmission
Stark	16.0	Unknown	Natural Gas
Stark	16.0	Unknown	Natural Gas
Stark	16.2	Unknown	Electric Transmission
Stark	16.4	Unknown	Electric Transmission
Stark	16.6	Petrox Inc.	Natural Gas
Stark	16.7	Petrox Inc.	Natural Gas
Stark	16.7	Unknown	Natural Gas
Stark	16.7	Unknown	Electric Transmission
Stark	17.3	Atlas Energy	Natural Gas
Stark	17.6	Unknown	Natural Gas
Stark	17.7	Unknown	Natural Gas
Stark	17.8	Atlas Energy	Natural Gas
Stark	18.3	Unknown	Electric Transmission
Stark	18.3	Unknown	Unknown
Stark	19.6	Enervest Energy Partners	Natural Gas
Stark	20.4	Enervest Energy Partners	Natural Gas
Stark	20.6	First Energy	Electric Transmission
Stark	21.7	Unknown	Electric Transmission
Stark	21.7	Enervest Energy Partners	Natural Gas
Stark	22.2	Enervest Energy Partners	Natural Gas
Stark	23.1	Enervest Energy Partners	Natural Gas
Stark	23.2	Enervest Energy Partners	Natural Gas
Stark	23.3	Old Dominion/Caiman Energy II	Natural Gas
Stark	23.5	Enervest Energy Partners	Natural Gas
Stark	24.2	Enervest Energy Partners	Natural Gas
Stark	25.0	Enervest Energy Partners	Natural Gas
Stark	25.5	Enervest Energy Partners	Natural Gas
Stark	26.0	Belden & Blake Corp	Unknown
Stark	26.4	Enervest Energy Partners	Natural Gas
Stark	26.5	Enervest Energy Partners	Natural Gas
Stark	26.7	Enervest Energy Partners	Natural Gas
Stark	27.2	Enervest Energy Partners	Natural Gas
Stark	27.3	Enervest Energy Partners	Natural Gas

APPENDIX K-1 (cont'd)

Summary of Existing Utilities Crossed by the NGT Project

State, Facility, County	Approximate MP	Utility Owner(s)/Operator(s)	Utility Type(s)
Mainline (cont'd)			
Stark	28.0	MB Operating Company	Natural Gas
Stark	28.1	MB Operating	Natural Gas
Stark	28.2	Dominion	Natural Gas
Stark	28.2	Enervest Energy Partners	Natural Gas
Stark	29.3	Enervest Energy Partners	Natural Gas
Stark	29.4	BP	Product
Stark	29.7	Dominion	Natural Gas
Stark	29.8	First Energy	Electric Transmission
Stark	30.3	Enervest Energy Partners	Natural Gas
Stark	30.8	Enervest Energy Partners	Natural Gas
Stark	30.9	Dominion	Natural Gas
Stark	31.8	First Energy	Electric Transmission
Stark	31.9	Enervest Energy Partners	Natural Gas
Stark	32.1	Dominion	Natural Gas
Stark	32.1	Enervest Energy Partners	Natural Gas
Stark	32.6	First Energy	Electric Transmission
Stark	32.8	First Energy	Power
Stark	32.8	First Energy	Electric Transmission
Stark	32.8	Dominion	Natural Gas
Stark	33.0	Unknown	Electric Transmission
Stark	33.0	Dominion	Natural Gas
Stark	33.1	Unknown	Electric Transmission
Stark	34.0	Unknown	Electric Transmission
Summit	34.4	Enervest Energy Partners	Natural Gas
Summit	35.0	Enervest Energy Partners	Natural Gas
Summit	35.0	Unknown	Electric Transmission
Summit	35.2	Enervest Energy Partners	Natural Gas
Summit	35.9	First Energy	Electric Transmission
Summit	36.4	Unknown	Natural Gas
Summit	36.7	Dominion	Natural Gas
Summit	36.8	Enervest Energy Partners	Natural Gas
Summit	37.4	Unknown	Electric Transmission
Summit	38.0	Dominion	Natural Gas
Summit	39.8	Unknown	Electric Transmission
Summit	40.9	Dominion	Natural Gas
Summit	41.1	First Energy	Electric Transmission
Summit	41.5	East Ohio Gas Company/Dominion	Natural Gas
Summit	41.9	Dominion	Natural Gas
Summit	42.2	Dominion	Natural Gas
Summit	42.6	Dominion	Natural Gas
Summit	42.8	Dominion East	Natural Gas
Summit	43.2	Dominion	Natural Gas
Summit	43.3	Dominion	Natural Gas
Summit	43.5	Dominion	Natural Gas
Summit	43.5	East Ohio Gas Company	Natural Gas
Summit	43.8	Dominion	Natural Gas
Summit	44.2	Dominion	Natural Gas
Summit	44.3	Dominion	Natural Gas
Summit	44.5	Dominion	Natural Gas
Summit	44.5	Dominion	Natural Gas
Summit	44.7	Dominion	Natural Gas
Summit	44.8	Dominion	Natural Gas

APPENDIX K-1 (cont'd)

Summary of Existing Utilities Crossed by the NGT Project

State, Facility, County	Approximate MP	Utility Owner(s)/Operator(s)	Utility Type(s)
Mainline (cont'd)			
Summit	44.9	Dominion	Natural Gas
Summit	45.1	Dominion	Natural Gas
Summit	45.2	Dominion	Natural Gas
Summit	45.3	Dominion	Natural Gas
Summit	45.4	Dominion	Natural Gas
Summit	45.4	East Ohio Gas Company/Dominion	Natural Gas
Summit	45.5	Dominion	Natural Gas
Summit	46.2	Dominion	Natural Gas
Summit	46.2	Dominion	Natural Gas
Summit	46.8	Sunoco/BP	Natural Gas
Summit	47.4	Marathon Petroleum Company, LLC	Product
Summit	47.7	First Energy	Electric Transmission
Summit	48.0	Dominion	Natural Gas
Summit	48.6	Dominion	Natural Gas
Summit	48.8	Unknown	Unknown
Summit	48.9	Dominion	Natural Gas
Summit	48.9	First Energy	Electric Transmission
Summit	49.0	Marathon Petroleum Company, LLC	Product
Summit	49.5	Unknown	Electric Transmission
Summit	49.7	First Energy	Electric Transmission
Summit	49.9	Unknown	Electric Transmission
Summit	50.0	North Coast Gas	Natural Gas
Wayne	50.4	Unknown	Electric Transmission
Wayne	50.4	Dominion	Natural Gas
Wayne	50.7	Unknown	Electric Transmission
Wayne	51.3	First Energy	Electric Transmission
Wayne	51.3	First Energy	Electric Transmission
Wayne	51.8	Dominion	Natural Gas
Wayne	51.8	Somerset Gas Transmission Company, LLC	Natural Gas
Wayne	52.0	Somerset Gas Transmission Company, LLC	Natural Gas
Wayne	52.0	First Energy	Electric Transmission
Wayne	52.4	Dominion	Natural Gas
Wayne	52.6	First Energy	Electric Transmission
Wayne	52.6	Somerset Gas Transmission Company, LLC	Natural Gas
Wayne	52.7	Unknown	Unknown
Wayne	52.9	Dominion	Natural Gas
Wayne	53.5	Dominion	Natural Gas
Wayne	54.5	Dominion	Natural Gas
Wayne	54.7	Dominion	Natural Gas
Wayne	54.8	Unknown	Unknown
Wayne	55.2	Unknown	Unknown
Wayne	55.8	First Energy	Electric Transmission
Medina	56.8	Northeast Ohio Natural Gas Corporation	Natural Gas
Medina	57.2	Dominion	Natural Gas
Medina	57.3	Dominion	Natural Gas
Medina	57.6	First Energy	Electric Transmission
Medina	57.7	First Energy	Electric Transmission
Medina	57.7	Dominion	Natural Gas
Medina	59.7	Dominion	Natural Gas
Medina	60.1	Bass Energy	Natural Gas
Medina	60.1	Dominion	Natural Gas
Medina	60.2	S&S Energy Corp	Crude Oil

APPENDIX K-1 (cont'd)

Summary of Existing Utilities Crossed by the NGT Project

State, Facility, County	Approximate MP	Utility Owner(s)/Operator(s)	Utility Type(s)
Mainline (cont'd)			
Medina	60.3	Unknown	Electric Transmission
Medina	60.8	Mb Operation Company	Natural Gas
Medina	60.8	Bass Energy Company	Natural Gas
Medina	60.8	Bass Energy Company	Natural Gas
Medina	63.0	Mb Operating	Natural Gas
Medina	63.0	Mb Operating	Natural Gas
Medina	63.5	King Energy	Natural Gas
Medina	63.8	Unknown	Crude Oil
Medina	66.0	Unknown	Unknown
Medina	66.0	Unknown	Unknown
Medina	66.7	Gatherco Inc.	Natural Gas
Medina	68.8	First Energy	Electric Transmission
Medina	69.3	NiSource Inc.	Natural Gas
Medina	69.3	Unknown	Electric Transmission
Medina	69.7	Columbia Gas	Natural Gas
Medina	69.8	NiSource Inc.	Natural Gas
Medina	70.5	Medina Fuel Company	Unknown
Medina	70.6	Columbia Gas NiSource Inc.	Natural Gas
Medina	70.6	Columbia Gas NiSource Inc.	Natural Gas
Medina	70.9	Unknown	Electric Transmission
Medina	71.5	Unknown	Unknown
Medina	73.1	Aspire Energy	Natural Gas
Medina	73.4	Columbia Gas NiSource Inc.	Natural Gas
Medina	73.6	Columbia Gas NiSource Inc.	Natural Gas
Medina	73.8	NiSource Inc.	Natural Gas
Medina	75.0	Columbia Gas	Natural Gas
Medina	75.3	Columbia Gas	Natural Gas
Medina	75.4	NiSource Inc. Columbia	Natural Gas
Medina	75.9	NiSource Inc.	Natural Gas
Medina	75.9	Columbia Gas	Natural Gas
Medina	76.0	NiSource Inc.	Natural Gas
Medina	76.6	NiSource Inc.	Natural Gas
Medina	77.0	Unknown	Electric Transmission
Medina	77.4	NiSource Inc.	Natural Gas
Medina	77.5	First Energy	Electric Transmission
Medina	77.8	Sunoco, Inc. (Energy Transfer Partners, LP)	Natural Gas
Medina	78.6	NiSource Inc.	Natural Gas
Medina	79.4	NiSource Inc.	Natural Gas
Lorain	81.2	Unknown	Electric Transmission
Lorain	82.8	NiSource Inc.	Natural Gas
Lorain	82.9	NiSource Inc.	Natural Gas
Lorain	83.3	Magellan Midstream Partners Poet	Product
Lorain	83.7	First Energy	Electric Transmission
Lorain	83.9	NiSource Inc.	Natural Gas
Lorain	85.1	First Energy	Electric Transmission
Lorain	85.9	Unknown	Electric Transmission
Lorain	86.1	Unknown	Unknown

APPENDIX K-1 (cont'd)

Summary of Existing Utilities Crossed by the NGT Project

State, Facility, County	Approximate MP	Utility Owner(s)/Operator(s)	Utility Type(s)
Mainline (cont'd)			
Lorain	87.0	Unknown	Electric Transmission
Lorain	87.8	First Energy	Electric Transmission
Lorain	88.5	Dominion	Natural Gas
Lorain	88.5	Dominion	Natural Gas
Lorain	89.1	NiSource Inc.	Natural Gas
Lorain	89.5	NiSource Inc.	Natural Gas
Lorain	91.4	Dominion	Natural Gas
Lorain	92.7	Dominion	Natural Gas
Lorain	93.4	Unknown	Electric Transmission
Lorain	93.6	Dominion	Natural Gas
Lorain	94.3	Buckeye Partners, LP	Crude Oil
Lorain	94.6	Unknown	Electric Transmission
Lorain	96.4	Buckeye Partners NiSource Inc.	Natural Gas
Lorain	96.4	Columbia Gas NiSource Inc.	Natural Gas
Lorain	96.4	Buckeye Partners, LP	Crude Oil
Lorain	97.5	First Energy	Electric Transmission
Lorain	98.1	Buckeye Partners	Natural Gas
Lorain	98.2	Somerset Gas Transmission Company, LLC	Natural Gas
Lorain	98.3	Buckeye	Natural Gas
Lorain	98.3	North Coast Gas	Natural Gas
Lorain	98.6	Unknown	Natural Gas
Lorain	99.2	Unknown	Unknown
Lorain	99.6	NiSource Inc.	Natural Gas
Lorain	99.9	Unknown	Electric Transmission
Huron	104.2	NiSource Inc.	Natural Gas
Erie	107.1	Dominion	Natural Gas
Erie	108.3	NiSource Inc.	Natural Gas
Erie	112.1	Unknown	Electric Transmission
Erie	112.6	First Energy	Electric Transmission
Erie	112.6	AEP Ohio	Electric Transmission
Erie	113.0	AEP Ohio	Electric Transmission
Erie	113.1	First Energy	Electric Transmission
Erie	113.5	First Energy	Electric Transmission
Erie	113.6	AEP Ohio	Electric Transmission
Erie	116.2	NiSource Inc.	Natural Gas
Erie	116.7	Unknown	Electric Transmission
Erie	117.4	AEP Ohio	Electric Transmission
Erie	117.5	First Energy	Electric Transmission
Erie	118.1	Columbia Gas	Natural Gas
Erie	119.2	First Energy	Electric Transmission
Erie	119.2	AEP Ohio	Electric Transmission
Erie	122.6	AEP Ohio	Electric Transmission
Erie	122.6	First Energy	Electric Transmission
Erie	130.4	Dominion	Natural Gas
Sandusky	137.4	Unknown	Electric Transmission
Sandusky	139.6	Buckeye PL Co	Crude Oil
Sandusky	139.8	Unknown	Electric Transmission
Sandusky	140.7	Dominion	Natural Gas
Sandusky	140.7	East Ohio Gas Company	Natural Gas
Sandusky	147.0	Unknown	Electric Transmission

APPENDIX K-1 (cont'd)

Summary of Existing Utilities Crossed by the NGT Project

State, Facility, County	Approximate MP	Utility Owner(s)/Operator(s)	Utility Type(s)
Mainline (cont'd)			
Sandusky	147.5	Columbia Gas	Natural Gas
Sandusky	148.1	Columbia Gas NiSource Inc.	Natural Gas
Sandusky	149.3	Unknown	Electric Transmission
Sandusky	153.9	East Ohio Gas Company	Natural Gas
Sandusky	153.9	Dominion	Natural Gas
Sandusky	156.1	Dominion	Natural Gas
Sandusky	156.1	East Ohio Gas Company	Natural Gas
Sandusky	157.6	Kinder Morgan	NGL
Sandusky	157.7	East Ohio Gas Company	Natural Gas
Sandusky	157.7	Dominion	Natural Gas
Sandusky	158.2	Unknown	Electric Transmission
Sandusky	159.4	Columbia Gas NiSource Inc.	Natural Gas
Sandusky	160.3	Unknown	Electric Transmission
Sandusky	161.4	Unknown	Electric Transmission
Sandusky	163.0	Dominion	Natural Gas
Sandusky	163.2	North Coast Gas Somerset Gas Transmission Company, LLC	Natural Gas
Sandusky	163.7	Dominion	Natural Gas
Wood	164.5	Unknown	Electric Transmission
Wood	165.5	BP	Highly volatile liquid
Wood	165.5	Sunoco	Liquefied gas
Wood	165.5	Unknown	Electric Transmission
Wood	165.5	American Electric Power Company, Inc.	Electric Transmission
Wood	165.5	Unknown	Electric Transmission
Wood	165.5	BP	Product
Wood	168.4	Unknown	Electric Transmission
Wood	168.5	First Energy	Electric Transmission
Wood	169.4	Buckeye Partners, LP	NGL
Wood	170.5	Mid Valley Pipeline Sunoco, Inc. (Energy Transfer Partners, LP)	Crude Oil
Wood	170.5	Buckeye PL Co	Crude Oil
Wood	170.6	Columbia Gas NiSource Inc.	Natural Gas
Wood	174.2	Kinder Morgan	Natural Gas
Wood	175.2	First Energy	Electric Transmission
Wood	175.3	First Energy	Electric Transmission
Wood	175.6	Columbia Gas NiSource Inc.	Natural Gas
Wood	176.6	First Energy	Electric Transmission
Wood	177.1	First Energy	Electric Transmission
Wood	177.1	First Energy	Electric Transmission
Wood	181.0	Waterville Gas Company	Natural Gas
Lucas	182.1	Waterville Gas Company	Natural Gas
Lucas	185.1	First Energy	Electric Transmission
Henry	190.0	ANR Pipeline Transcanada	Natural Gas
Henry	190.0	First Energy	Electric Transmission
Fulton	192.5	First Energy	Electric Transmission
Fulton	193.7	NORCO Pipeline Buckeye Partners, LP	Natural Gas
Fulton	197.9	First Energy	Electric Transmission

APPENDIX K-1 (cont'd)

Summary of Existing Utilities Crossed by the NGT Project

State, Facility, County	Approximate MP	Utility Owner(s)/Operator(s)	Utility Type(s)
Ohio (cont'd)			
Fulton	199.1	First Energy	Electric Transmission
Fulton	200.7	First Energy	Electric Transmission
Fulton	201.5	First Energy	Electric Transmission
Fulton	201.8	First Energy	Electric Transmission
Fulton	202.2	Transcanada	Natural Gas
Fulton	204.9	First Energy	Electric Transmission
Fulton	205.3	First Energy	Electric Transmission
Fulton	207.2	Panhandle Eastern Southern Union Company (Energy Transfer Partners, LP)	Natural Gas
Fulton	207.3	Kinder Morgan	NGL
Fulton	207.8	First Energy	Electric Transmission
Michigan			
Lenawee	210.0	Kinder Morgan	NGL
Lenawee	212.8	Michigan Gas Integrys Energy Group, Inc.	Natural Gas
Lenawee	217.4	Hanover Marathon Petroleum Company, LLC	Crude Oil
Lenawee	218.8	Transcanada	Natural Gas
Lenawee	218.8	Transcanada	Natural Gas
Lenawee	218.9	CMS Energy	Electric Transmission
Lenawee	222.6	Panhandle Eastern Southern Union Company (Energy Transfer Partners, LP)	Natural Gas
Lenawee	229.0	ITC Holdings Corporation	Electric Transmission
Lenawee	229.8	Enbridge	Crude Oil
Monroe	236.3	MichCon	Natural Gas
Washtenaw	240.0	Ameritech	Unknown
Washtenaw	240.1	ITC Holdings Corporation	Electric Transmission
Washtenaw	241.4	ITC Holdings Corporation	Electric Transmission
Washtenaw	241.5	Transcanada	Crude Oil
Washtenaw	241.8	MichCon	Natural Gas
Washtenaw	242.8	Buckeye Partners, LP	NGL
Washtenaw	248.5	BP Pipeline	Crude Oil
Washtenaw	248.6	ITC Holdings Corporation	Electric Transmission
Washtenaw	248.7	BP Pipeline	Crude Oil
Washtenaw	248.9	BP Pipeline	Crude Oil
Washtenaw	249.2	Enbridge Wolverine Pipeline Company	Crude Oil
Washtenaw	250.2	MichCon	Natural Gas
Washtenaw	250.2	MichCon	Natural Gas
Washtenaw	251.0	MichCon	Natural Gas
Washtenaw	251.1	YCUA	Water
Washtenaw	251.1	DTE	Natural Gas
Washtenaw	251.1	Unknown	Electric Transmission
Washtenaw	251.4	DTE Energy	Natural Gas
Washtenaw	251.4	Unknown	Electric Transmission
Washtenaw	251.4	MichCon	Natural Gas
Washtenaw	252.0	MichCon (DTE)	Natural Gas
Washtenaw	252.0	Unknown	Electric Transmission
Washtenaw	252.4	Transcanada	Natural Gas
Washtenaw	252.5	Transcanada	Natural Gas
Washtenaw	252.8	DTE Energy (MichCon)	Natural Gas

APPENDIX K-1 (cont'd)

Summary of Existing Utilities Crossed by the NGT Project

State, Facility, County	Approximate MP	Utility Owner(s)/Operator(s)	Utility Type(s)
Michigan (cont'd)			
Washtenaw	253.7	MichCon	Natural Gas
Washtenaw	253.7	Unknown	Electric Transmission
Washtenaw	253.8	MichCon	Natural Gas
Washtenaw	254.0	DTE Energy	Natural Gas
Washtenaw	254.3	Transcanada	Natural Gas
Washtenaw	254.7	DTE Energy	Natural Gas
Washtenaw	255.0	MichCon	Natural Gas
Washtenaw	255.0	MichCon	Natural Gas

APPENDIX K-2

BUILDINGS WITHIN 50 FEET OF THE NGT PROJECT

APPENDIX K-2

Buildings within 50 Feet of the NGT Project

State, Facility, County	Parcel ID	Building Type	Approximate Milepost	Distance from [a]		Direction (Right or Left) [b]	Occupied (Yes/No) [c]	Proposed Mitigation Measures [d]	Residential Construction Plan Number
				Pipeline Centerline (feet)	Edge of Workspace (feet)				
OHIO									
TGP Interconnecting Pipeline									
Columbiana	OH-COL-003.0000	Shed	0.5	53	Inside	Right	No	Safety Fence	TGPI-P-8001_1D
Columbiana	OH-COL-003.0000	Shed	0.5	63	3	Right	No	Safety Fence	TGPI-P-8001_1D
Mainline									
Columbiana	OH-CO-013.0000	Garage	1.9	94	8	Right	No	Safety Fence	HANO-P-8001_1A
Columbiana	OH-CO-016.0010	Barn	2.1	173	48	Right	No	Safety Fence	HANO-P-8002_1A
Columbiana	OH-CO-031.0000	Shed	4.1	103	38	Left	No	Safety Fence	HANO-P-8003_1A
Columbiana	OH-CO-031.0000	Shed	4.1	107	42	Left	No	Safety Fence	HANO-P-8003_1A
Columbiana	OH-CO-055.0100/ OH-CO-055.0102	Dwelling	6.3	88	28	Right	Yes	Safety Fence	HANO-P-8004_1B
Columbiana	OH-CO-055.0100	Barn	6.3	97	37	Right	No	Safety Fence	HANO-P-8004_1B
Columbiana	OH-CO-055.0100	Pool	6.3	68	8	Right		Safety Fence	HANO-P-8004_1B
Columbiana	OH-CO-055.0001	Garage	6.4	94	29	Left	No	Safety Fence	HANO-P-8005_1B
Columbiana	OH-CO-055.0210	Garage	6.4	81	41	Left	No	Safety Fence	HANO-P-8005_1B
Columbiana	OH-CO-055.0210	Shed	6.4	88	48	Left	No	Safety Fence	HANO-P-8005_1B
Columbiana	OH-CO-055.0210	Dwelling	6.4	75	35	Left	Yes	Safety Fence	HANO-P-8005_1B
Columbiana	OH-CO-102.0000	Barn	11.4	59	11	Left	No	Safety Fence	HANO-P-8006_1A
Columbiana	OH-CO-106.0000	Barn	11.7	101	36	Left	No	Safety Fence	HANO-P-8007_1A
Stark	OH-ST-046.0000	Barn	18.4	97	32	Left	No	Safety Fence	HANO-P-8010_1A
Stark	OH-ST-046.0000	Garage	18.4	120	30	Left	No	Safety Fence	HANO-P-8010_1A
Stark	OH-ST-046.0000	Shed	18.4	86	21	Left	No	Safety Fence	HANO-P-8010_1A
Stark	OH-ST-046.0000	Shed	18.4	89	24	Left	No	Safety Fence	HANO-P-8010_1A
Stark	OH-ST-046.0000	Shed	18.4	91	26	Left	No	Safety Fence	HANO-P-8010_1A
Stark	OH-ST-069.0000	Barn	21.5	124	39	Right	No	Safety Fence	HANO-P-8011_1A
Stark	OH-ST-093.0000	Barn	26.3	42	7	Right	No	Safety Fence	HANO-P-8012_1A
Stark	OH-ST-093.0000	Animal Pen	26.3	69	16	Right	No	Safety Fence	HANO-P-8012_1A
Stark	OH-ST-093.0000	Dwelling	26.3	77	42	Right	Yes	Safety Fence	HANO-P-8012_1A
Stark	OH-ST-107.0000	Shed	27.9	62	Inside	Left	No	Safety Fence	HANO-P-8082_1A
Stark	OH-ST-110.0000	Barn	28.1	110	50	Right	No	Safety Fence	HANO-P-8013_1A
Stark	OH-ST-110.0000	Barn	28.1	89	18	Right	No	Safety Fence	HANO-P-8013_1A
Stark	OH-ST-110.0000	Dwelling	28.2	132	27	Right	Yes	Safety Fence	HANO-P-8013_1A
Stark	OH-ST-123.0000	Barn	29.9	53	Inside	Left	No	Safety Fence	HANO-P-8014_1A
Stark	OH-ST-123.0002	Barn	30.3	107	44	Left	No	Safety Fence	HANO-P-8015_1B
Stark	OH-ST-123.0002	Dwelling	30.3	129	36	Left	Yes	Safety Fence	HANO-P-8015_1B

APPENDIX K-2 (cont'd)

Buildings within 50 Feet of the NGT Project

State, Facility, County	Parcel ID	Building Type	Approximate Milepost	Distance from [a]		Direction (Right or Left) [b]	Occupied (Yes/No) [c]	Proposed Mitigation Measures [d]	Residential Construction Plan Number
				Pipeline Centerline (feet)	Edge of Workspace (feet)				
Mainline (cont'd)									
Stark	OH-ST-136.0005	Barn	32.3	87	47	Left	No	Safety Fence	HANO-P-8016_1A
Stark	OH-ST-136.0007/ OH-ST-136.0000	Barn	32.3	81	41	Left	No	Safety Fence	HANO-P-8016_1A
Stark	OH-ST-138.0000	Dwelling	32.6	95	35	Right	Yes	Safety Fence	HANO-P-8017_1A
Stark	OH-ST-138.0000	Barn	32.7	88	28	Right	No	Safety Fence	HANO-P-8017_1A
Stark	OH-ST-148.0000	Commercial Building	32.7	70	30	Left	Yes	Safety Fence	HANO-P-8018_1A
Stark	OH-ST-149.0001	Shed	32.8	114	29	Right	No	Safety Fence	HANO-P-8019_1A
Stark	OH-ST-149.0001	Shed	32.8	101	16	Right	No	Safety Fence	HANO-P-8019_1A
Stark	OH-ST-151.0001	Shed	32.8	128	43	Right	No	Safety Fence	HANO-P-8019_1A
Stark	OH-ST-153.0001	Garage	32.9	87	27	Right	No	Safety Fence	HANO-P-8019_1A
Stark	OH-ST-153.0001	Shed	32.9	103	43	Right	No	Safety Fence	HANO-P-8019_1A
Stark	OH-ST-153.0001	Shed	32.9	105	45	Right	No	Safety Fence	HANO-P-8019_1A
Stark	OH-ST-154.0000	Dwelling	32.9	69	29	Left	Yes	Safety Fence	HANO-P-8020_1A
Stark	OH-ST-155.0000	Dwelling	32.9	84	39	Left	Yes	Safety Fence	HANO-P-8020_1A
Stark	OH-ST-169.0000	Commercial Building	33.1	40	10	Left	Yes	Safety Fence	HANO-P-8021_1A
Stark	OH-ST-166.0000	Dwelling	33.2	84	24	Right	Yes	Safety Fence	HANO-P-8021_1A
Stark	OH-ST-172.0000	Commercial Building	33.2	41	12	Left	Yes	Safety Fence	HANO-P-8022_1A
Stark	OH-ST-174.0000	Dwelling	33.5 R	72	37	Right	Yes	Safety Fence	HANO-P-8023_1A
Summit	OH-SU-001.0000	Shed	34.3	169	34	Right	No	Safety Fence	HANO-P-8024_1A
Summit	OH-SU-006.0000/ OH-SU-007.0000	Shed	34.6	131	32	Left	No	Safety Fence	HANO-P-8025_1A
Summit	OH-SU-006.0000/ OH-SU-007.0000	Shed	34.6	136	43	Left	No	Safety Fence	HANO-P-8025_1A
Summit	OH-SU-013.0000	Dwelling	35	73	8	Left	Yes	Safety Fence	HANO-P-8026_1A
Summit	OH-SU-030.0000	Garage	36.7 R	54	11	Left	No	Safety Fence	HANO-P-8028_1A
Summit	OH-SU-029.0010	Dwelling	36.8 R	45	10	Right	Yes	Safety Fence	HANO-P-8028_1A
Summit	OH-SU-029.0010	Garage	36.8 R	55	12	Right	No	Safety Fence	HANO-P-8028_1A
Summit	OH-SU-030.0000	Dwelling	36.8 R	45	110	Left	Yes	Safety Fence	HANO-P-8028_1A
Summit	OH-SU-037.0000/ OH-SU-034.0000/ OH-SU-034.0001	Tanks	37.3	77	37	Left	No	Safety Fence	HANO-P-8029_1A
Summit	OH-SU-035.0000	Dwelling	37.3	95	35	Right	Yes	Safety Fence	HANO-P-8029_1A

APPENDIX K-2 (cont'd)

Buildings within 50 Feet of the NGT Project

State, Facility, County	Parcel ID	Building Type	Approximate Milepost	Distance from [a]		Direction (Right or Left) [b]	Occupied (Yes/No) [c]	Proposed Mitigation Measures [d]	Residential Construction Plan Number
				Pipeline Centerline (feet)	Edge of Workspace (feet)				
Mainline (cont'd)									
Summit	OH-SU-037.0000	Dwelling	37.3	82	37	Left	Yes	Safety Fence	HANO-P-8029_1A
Summit	OH-SU-041.0000	Dwelling	37.8	69	9	Right	Yes	Safety Fence	HANO-P-8030_1A
Summit	OH-SU-042.0000	Garage	37.8	81	30	Left	No	Safety Fence	HANO-P-8031_1A
Summit	OH-SU-042.0000	Dwelling	37.8	125	35	Left	Yes	Safety Fence	HANO-P-8031_1A
Summit	OH-SU-045.0000	Garage	37.9	67	Inside	Right	No	Safety Fence	HANO-P-8030_1A
Summit	OH-SU-044.0001	Dwelling	37.9	86	10	Left	Yes	Safety Fence	HANO-P-8031_1A
Summit	OH-SU-061.0000	Dwelling	39	158	48	Right	Yes	Safety Fence	HANO-P-8032_1B
Summit	OH-SU-061.0000	Garage	39	97	37	Right	No	Safety Fence	HANO-P-8032_1B
Summit	OH-SU-066.0000	Dwelling	39.6	101	41	Right	Yes	Safety Fence	HANO-P-8033_1A
Summit	OH-SU-069.0001	Dwelling	39.8 R	139	49	Left	Yes	Safety Fence	HANO-P-8034_1A
Summit	OH-SU-072.0510	Shed	40.1 R	68	18	Right	No	Safety Fence	HANO-P-8070_1A
Summit	OH-SU-072.0510	Shed	40.2 R	62	3	Right	No	Safety Fence	HANO-P-8070_1A
Summit	OH-SU-072.0510	Dwelling	40.2 R	83	23	Right	Yes	Safety Fence	HANO-P-8070_1A
Summit	OH-SU-078.0200	Dwelling	40.2 R	59	On Edge	Right	Yes	Safety Fence	HANO-P-8070_1A
Summit	OH-SU-078.0100	Garage	40.2 R	88	18	Left	No	Safety Fence	HANO-P-8071_1A
Summit	OH-SU-078.0100	Dwelling	40.2 R	61	21	Left	Yes	Safety Fence	HANO-P-8071_1A
Summit	OH-SU-081.0000	Shed	40.8 R	123	38	Right	No	Safety Fence	HANO-P-8072_1A
Summit	OH-SU-081.0000	Shed	40.8 R	119	34	Right	No	Safety Fence	HANO-P-8072_1A
Summit	OH-SU-083.0100	Dwelling	41.2 R	34	19	Left	Yes	Safety Fence	HANO-P-8036_1A
Summit	OH-SU-097.0000	Barn	42	128	43	Right	No	Safety Fence	HANO-P-8037_1A
Summit	OH-SU-097.0000	Barn	42.1	97	12	Right	No	Safety Fence	HANO-P-8037_1A
Summit	OH-SU-097.0000	Dwelling	42.1	107	34	Right	Yes	Safety Fence	HANO-P-8037_1A
Summit	OH-SU-099.0010	Dwelling	42.1	137	47	Left	Yes	Safety Fence	HANO-P-8038_1A
Summit	OH-SU-099.0010	Barn	42.1	136	46	Left	No	Safety Fence	HANO-P-8038_1A
Summit	OH-SU-110.0000	Dwelling	42.7	118	42	Right	Yes	Safety Fence	HANO-P-8039_1A
Summit	OH-SU-111.0000	Barn	42.8	123	38	Right	No	Safety Fence	HANO-P-8039_1A
Summit	OH-SU-132.0001	Garage	43.6 R	78	25	Right	No	Safety Fence	HANO-P-8074_1B
Summit	OH-SU-132.0001	Dwelling	43.6 R	73	20	Right	Yes	Safety Fence	HANO-P-8074_1B
Summit	OH-SU-135.0400	Barn	43.6 R	55	15	Left	No	Safety Fence	HANO-P-8073_1B
Summit	OH-SU-135.0400	Shed	43.6 R	65	25	Left	No	Safety Fence	HANO-P-8073_1B
Summit	OH-SU-132.0001	Barn	43.7 R	124	14	Right	No	Safety Fence	HANO-P-8074_1B
Summit	OH-SU-135.0300	Dwelling	43.7 R	63	23	Left	Yes	Safety Fence	HANO-P-8073_1B
Summit	OH-SU-133.0003	Garage	43.7 R	81	21	Right	No	Safety Fence	HANO-P-8074_1B
Summit	OH-SU-133.0003	Dwelling	43.7 R	65	30	Right	Yes	Safety Fence	HANO-P-8074_1B

APPENDIX K-2 (cont'd)

Buildings within 50 Feet of the NGT Project

State, Facility, County	Parcel ID	Building Type	Approximate Milepost	Distance from [a]		Direction (Right or Left) [b]	Occupied (Yes/No) [c]	Proposed Mitigation Measures [d]	Residential Construction Plan Number
				Pipeline Centerline (feet)	Edge of Workspace (feet)				
Mainline (cont'd)									
Summit	OH-SU-137.0010	Dwelling	44.4	106	46	Right	Yes	Safety Fence	HANO-P-8042_1B
Summit	OH-SU-137.0010	Barn	44.4	99	39	Right	No	Safety Fence	HANO-P-8042_1B
Summit	OH-SU-137.0010	Barn	44.4	83	23	Right	No	Safety Fence	HANO-P-8042_1B
Summit	OH-SU-145.0000	Dwelling	44.9	90	30	Right	Yes	Safety Fence	HANO-P-8043_1A
Summit	OH-SU-145.0000	Garage	45	102	42	Right	No	Safety Fence	HANO-P-8043_1A
Summit	OH-SU-149.0001	Barn	45.4	104	46	Right	No	Safety Fence	HANO-P-8045_1A
Summit	OH-SU-153.0000	Barn	45.6	83	48	Right	No	Safety Fence	HANO-P-8046_1A
Summit	OH-SU-157.0000	Dwelling	46.2	84	43	Left	Yes	Safety Fence	HANO-P-8047_1A
Summit	OH-SU-161.0000	Barn	46.4	76	16	Right	No	Safety Fence	HANO-P-8048_1A
Summit	OH-SU-189.0001	Barn	48.8	85	25	Right	No	Safety Fence	HANO-P-8049_1B
Summit	OH-SU-189.0001	Barn	48.8	101	17	Right	No	Safety Fence	HANO-P-8049_1B
Summit	OH-SU-191.0010	Dwelling	48.8	156	21	Right	Yes	Safety Fence	HANO-P-8049_1B
Summit	OH-SU-193.0010	Shed	49.3	76	14	Right	No	Safety Fence	HANO-P-8050_1A
Summit	OH-SU-193.0010	Dwelling	49.4	80	20	Right	Yes	Safety Fence	HANO-P-8050_1A
Summit	OH-SU-195.0000	Dwelling	49.4	79	44	Right	Yes	Safety Fence	HANO-P-8051_1A
Summit	OH-SU-195.0000	Garage	49.4	59	24	Right	No	Safety Fence	HANO-P-8051_1A
Summit	OH-SU-195.0000	Shed	49.4	59	24	Right	No	Safety Fence	HANO-P-8051_1A
Summit	OH-SU-195.0000	Barn	49.5	116	6	Right	No	Safety Fence	HANO-P-8051_1A
Summit	OH-SU-198.0006	Garage	49.8 R	83	23	Right	No	Safety Fence	HANO-P-8075_1A
Summit	OH-SU-198.0006	Barn	49.8 R	71	11	Right	No	Safety Fence	HANO-P-8075_1A
Summit	OH-SU-198.0009	Shed	49.8 R	82	22	Right	No	Safety Fence	HANO-P-8075_1A
Summit	OH-SU-199.0002	Dwelling	49.8 R	89	29	Right	Yes	Safety Fence	HANO-P-8075_1A
Summit	OH-SU-200.0001	Dwelling	49.9 R	80	20	Right	Yes	Safety Fence	HANO-P-8076_1A
Summit	OH-SU-203.0000	Barn	50.2	107	47	Right	No	Safety Fence	HANO-P-8052_1A
Summit	OH-SU-206.0001	Barn	50.3	80	20	Right	No	Safety Fence	HANO-P-8053_1B
Summit	OH-SU-206.0010	Shed	50.3	76	16	Right	No	Safety Fence	HANO-P-8053_1B
Summit	OH-SU-206.0000	Dwelling	50.3	92	43	Left	Yes	Safety Fence	HANO-P-8053_1B
Wayne	OH-WA-008.0000	Barn	51.4 R	91	26	Left	No	Safety Fence	HANO-P-8054_1A
Wayne	OH-WA-014.0001	Dwelling	52.0 R	88	23	Left	Yes	Safety Fence	HANO-P-8055_1B
Wayne	OH-WA-020.0000	Dwelling	52.9 R	114	24	Left	Yes	Safety Fence	HANO-P-8077_1A
Wayne	OH-WA-020.0000	Pool	52.9 R	81	Inside	Left	No	Safety Fence	HANO-P-8077_1A
Wayne	OH-WA-024.0010	Dwelling	53	139	49	Left	Yes	Safety Fence	HANO-P-8056_1A
Wayne	OH-WA-026.0002	Dwelling	53.3	74	34	Left	Yes	Safety Fence	HANO-P-8057_1A
Wayne	OH-WA-026.0006	Dwelling	53.3	84	44	Left	Yes	Safety Fence	HANO-P-8057_1A

APPENDIX K-2 (cont'd)

Buildings within 50 Feet of the NGT Project

State, Facility, County	Parcel ID	Building Type	Approximate Milepost	Distance from [a]		Direction (Right or Left) [b]	Occupied (Yes/No) [c]	Proposed Mitigation Measures [d]	Residential Construction Plan Number
				Pipeline Centerline (feet)	Edge of Workspace (feet)				
Mainline (cont'd)									
Wayne	OH-WA-026.0020	Garage	53.5	129	39	Left	No	Safety Fence	HANO-P-8058_1A
Wayne	OH-WA-030.0101	Barn	54	91	23	Left	No	Safety Fence	HANO-P-8059_1A
Wayne	OH-WA-030.0101	Dwelling	54	37	22	Left	Yes	Safety Fence	HANO-P-8059_1A
Wayne	OH-WA-030.0103	Dwelling	54	68	33	Right	Yes	Safety Fence	HANO-P-8059_1A
Wayne	OH-WA-033.0400	Barn	54.3 R	79	19	Right	No	Safety Fence	HANO-P-8078_1A
Wayne	OH-WA-046.0000	Commercial Building	55.7	85	25	Right	Yes	Safety Fence	HANO-P-8062_1A
Wayne	OH-WA-044.0000	Dwelling	55.7	55	15	Left	Yes	Safety Fence	HANO-P-8062_1A
Wayne	OH-WA-053.0000	Dwelling	56.5	87	27	Right	Yes	Safety Fence	HANO-P-8063_1A
Wayne	OH-WA-054.0000	Barn	56.5	106	41	Left	No	Safety Fence	HANO-P-8063_1A
Wayne	OH-WA-057.0004	Garage	57.2 R	42	27	Left	No	Safety Fence	HANO-P-8079_1A
Wayne	OH-WA-057.0200	Trailer	57.2 R	25	10	Left	No	Safety Fence	HANO-P-8079_1A
Wayne	OH-WA-057.0400	Dwelling	57.2 R	92	10	Right	Yes	Safety Fence	HANO-P-8079_1A
Wayne	OH-WA-057.0001	Commercial Building	57.4	113	33	Right	Yes	Safety Fence	HANO-P-8080_1A
Medina	OH-ME-018.0000	Dwelling	59.3	89	29	Right	Yes	Safety Fence	HANO-P-8081_1A
Medina	OH-ME-071.0000	Animal Pen	65.4	102	17	Right	No	Safety Fence	WADS-P-8001_1A
Medina	OH-ME-071.0000	Barn	65.4	125	40	Right	No	Safety Fence	WADS-P-8001_1A
Medina	OH-ME-100.0000	Barn	68	61	21	Left	No	Safety Fence	WADS-P-8002_1A
Medina	OH-ME-107.0000	Dwelling	68.3	37	2	Right	Yes	Safety Fence	WADS-P-8004_1A
Medina	OH-ME-107.0000	Garage	68.3	75	40	Right	No	Safety Fence	WADS-P-8004_1A
Medina	OH-ME-108.0000	Shed	68.3	80	45	Right	No	Safety Fence	WADS-P-8004_1A
Medina	OH-ME-111.0002	Shed	68.3	36	21	Left	No	Safety Fence	WADS-P-8003_1A
Medina	OH-ME-112.0001	Shed	68.4	119	25	Left	No	Safety Fence	WADS-P-8003_1A
Medina	OH-ME-116.0000	Barn	68.8	43	3	Left	No	Safety Fence	WADS-P-8005_1A
Medina	OH-ME-116.0000	Commercial Building	68.8	140	44	Left	Yes	Safety Fence	WADS-P-8005_1A
Medina	OH-ME-122.0400	Dwelling	69.3 R	105	40	Left	Yes	Safety Fence	WADS-P-8050_1A
Medina	OH-ME-130.0060	Shed	69.4 R	42	7	Right	No	Safety Fence	WADS-P-8050_1A
Medina	OH-ME-144.0010	Dwelling	71.9	153	18	Right	Yes	Safety Fence	WADS-P-8007_1A
Medina	OH-ME-147.0000	Barn	71.9	91	6	Right	No	Safety Fence	WADS-P-8007_1A
Medina	OH-ME-147.0000	Barn	72	90	5	Right	No	Safety Fence	WADS-P-8007_1A
Medina	OH-ME-150.0000	Barn	72.6	78	18	Right	No	Safety Fence	WADS-P-8008_1A
Medina	OH-ME-149.0000	Dwelling	72.6	102	33	Left	Yes	Safety Fence	WADS-P-8009_1A

APPENDIX K-2 (cont'd)

Buildings within 50 Feet of the NGT Project

State, Facility, County	Parcel ID	Building Type	Approximate Milepost	Distance from [a]		Direction (Right or Left) [b]	Occupied (Yes/No) [c]	Proposed Mitigation Measures [d]	Residential Construction Plan Number
				Pipeline Centerline (feet)	Edge of Workspace (feet)				
Mainline (cont'd)									
Medina	OH-ME-150.0000	Garage	72.6	70	10	Right	No	Safety Fence	WADS-P-8008_1A
Medina	OH-ME-149.0000	Barn	72.6	86	46	Left	No	Safety Fence	WADS-P-8009_1A
Medina	OH-ME-151.0000	Barn	72.6	43	8	Right	No	Safety Fence	WADS-P-8008_1A
Medina	OH-ME-153.0000	Garage	72.7	90	50	Left	No	Safety Fence	WADS-P-8009_1A
Medina	OH-ME-153.0000	Barn	72.7	88	50	Left	No	Safety Fence	WADS-P-8009_1A
Medina	OH-ME-153.0000	Barn	72.7	50	10	Left	No	Safety Fence	WADS-P-8009_1A
Medina	OH-ME-153.0000	Barn	72.7	74	48	Left	No	Safety Fence	WADS-P-8009_1A
Medina	OH-ME-153.0000	Shed	72.7	60	20	Left	No	Safety Fence	WADS-P-8009_1A
Medina	OH-ME-161.0000	Shed	73.6	153	18	Right	No	Safety Fence	WADS-P-8010_1A
Medina	OH-ME-165.0000	Garage	73.9	84	24	Right	No	Safety Fence	WADS-P-8011_1A
Medina	OH-ME-165.0000	Shed	73.9	29	Inside	Right	No	Safety Fence	WADS-P-8011_1A
Medina	OH-ME-165.0000	Barn	73.9	46	Inside	Right	No	Safety Fence	WADS-P-8011_1A
Medina	OH-ME-181.0010	Dwelling	76.4	148	38	Right	Yes	Safety Fence	WADS-P-8012_1A
Lorain	OH-LO-002.0000	Grain Bin	81	109	49	Right	No	Safety Fence	WADS-P-8013_1A
Lorain	OH-LO-002.0000	Shed	81	93	33	Right	No	Safety Fence	WADS-P-8013_1A
Lorain	OH-LO-015.0000	Dwelling	82.6	90	30	Right	Yes	Safety Fence	WADS-P-8014_1A
Lorain	OH-LO-023.0000	Wood Deck	83.9	60	20	Left	No	Safety Fence	WADS-P-8015_1A
Lorain	OH-LO-027.0000	Barn	84.6	132	50	Right	No	Safety Fence	WADS-P-8016_1A
Lorain	OH-LO-031.0001	Barn	84.8	129	44	Right	No	Safety Fence	WADS-P-8017_1A
Lorain	OH-LO-031.0001	Barn	84.8	122	37	Right	No	Safety Fence	WADS-P-8017_1A
Lorain	OH-LO-050.0000	Shed	88	65	25	Left	No	Safety Fence	WADS-P-8018_1A
Lorain	OH-LO-060.0000	Dwelling	89.2	152	42	Right	Yes	Safety Fence	WADS-P-8019_1B
Lorain	OH-LO-065.0110	Shed	90.4 R	83	23	Right	No	Safety Fence	WADS-P-8047_1A
Lorain	OH-LO-083.0000	Shed	93.4	59	Inside	Right	No	Safety Fence	WADS-P-8020_1A
Lorain	OH-LO-083.0000	Shed	93.4	78	Inside	Right	No	Safety Fence	WADS-P-8020_1A
Lorain	OH-LO-083.0000	Shed	93.5	48	Inside	Right	No	Safety Fence	WADS-P-8020_1A
Lorain	OH-LO-086.000/ OH-LO-087.0000	Barn	94.5	75	35	Left	No	Safety Fence	WADS-P-8021_1A
Lorain	OH-LO-086.000/ OH-LO-087.0000	Commercial Building	94.6	79	39	Left	Yes	Safety Fence	WADS-P-8021_1A
Lorain	OH-LO-086.000/ OH-LO-087.0000	Dwelling	94.6	62	22	Left	Yes	Safety Fence	WADS-P-8021_1A
Lorain	OH-LO-090.0000	Dwelling	94.6	84	24	Right	Yes	Safety Fence	WADS-P-8022_1A
Lorain	OH-LO-090.0000	Gazebo	94.6	71	11	Right	No	Safety Fence	WADS-P-8022_1A

APPENDIX K-2 (cont'd)

Buildings within 50 Feet of the NGT Project

State, Facility, County	Parcel ID	Building Type	Approximate Milepost	Distance from [a]		Direction (Right or Left) [b]	Occupied (Yes/No) [c]	Proposed Mitigation Measures [d]	Residential Construction Plan Number
				Pipeline Centerline (feet)	Edge of Workspace (feet)				
Mainline (cont'd)									
Lorain	OH-LO-090.0000	Shed	94.7	102	43	Right	No	Safety Fence	WADS-P-8022_1A
Lorain	OH-LO-092.0002	Shed	94.8	67	27	Left	No	Safety Fence	WADS-P-8023_1A
Lorain	OH-LO-092.0003	Shed	94.9	65	25	Left	No	Safety Fence	WADS-P-8023_1A
Lorain	OH-LO-092.0004	Shed	94.9	62	22	Left	No	Safety Fence	WADS-P-8023_1A
Lorain	OH-LO-092.0007	Shed	94.9	68	28	Left	No	Safety Fence	WADS-P-8023_1A
Lorain	OH-LO-092.0008	Shed	94.9	73	33	Left	No	Safety Fence	WADS-P-8023_1A
Lorain	OH-LO-093.0006	Shed	95.1	78	38	Left	No	Safety Fence	WADS-P-8024_1A
Lorain	OH-LO-093.0007	Shed	95.1	79	39	Left	No	Safety Fence	WADS-P-8024_1A
Lorain	OH-LO-093.0009	Shed	95.1	69	29	Left	No	Safety Fence	WADS-P-8024_1A
Lorain	OH-LO-096.0000/ OH-LO-096.0001	Shed	95.7	45	5	Left	No	Safety Fence	WADS-P-8025_1A
Lorain	OH-LO-107.0002	Garage	96.8	106	46	Right	No	Safety Fence	WADS-P-8026_1A
Lorain	OH-LO-115.0100	Dwelling	98.5 R	98	38	Right	Yes	Safety Fence	WADS-P-8049_1A
Lorain	OH-LO-115.0100	Garage	98.5 R	76	16	Right	No	Safety Fence	WADS-P-8049_1A
Lorain	OH-LO-122.0000	Barn	99.2 R	88	11	Right	No	Safety Fence	WADS-P-8029_1A
Lorain	OH-LO-128.0000	Barn	100.5	87	47	Left	No	Safety Fence	WADS-P-8030_1A
Erie	OH-ER-059.0100	Dwelling	112.1 R	131	41	Left	Yes	Safety Fence	WADS-P-8048_1A
Erie	OH-ER-059.0100	Dwelling	112.1 R	65	19	Left	Yes	Safety Fence	WADS-P-8048_1A
Erie	OH-ER-063.0000	Barn	113.1	143	28	Left	No	Safety Fence	WADS-P-8032_1A
Erie	OH-ER-063.0000	Barn	113.1 R	164	49	Left	No	Safety Fence	WADS-P-8032_1A
Erie	OH-ER-078.0000	Shed	115.9 R	94	9	Right	No	Safety Fence	WADS-P-8033_1B
Erie	OH-ER-078.0000	Barn	115.9 R	179	44	Right	No	Safety Fence	WADS-P-8033_1B
Erie	OH-ER-078.0000	Barn	116.0 R	34	Inside	Right	No	Safety Fence	WADS-P-8033_1B
Erie	OH-ER-078.0000	Barn	116.0 R	66	Inside	Right	No	Safety Fence	WADS-P-8033_1A
Erie	OH-ER-094.0000	Commercial Building	118.1	140	30	Right	Yes	Safety Fence	WADS-P-8034_1B
Erie	OH-ER-097.0000	Barn	118.5	34	Inside	Right	No	Safety Fence	WADS-P-8035_1A
Erie	OH-ER-099.0000	Garage	119.2	157	42	Left	No	Safety Fence	WADS-P-8036_1A
Erie	OH-ER-135.0000	Shed	125.8	77	17	Right	No	Safety Fence	WADS-P-8037_1A
Erie	OH-ER-135.0001	Dwelling	125.8	131	32	Right	Yes	Safety Fence	WADS-P-8037_1A
Erie	OH-ER-136.0000	Dwelling	125.8	74	34	Left	Yes	Safety Fence	WADS-P-8038_1A
Erie	OH-ER-139.0000	Barn	125.8	62	2	Right	No	Safety Fence	WADS-P-8039_1A
Erie	OH-ER-139.0000	Barn	125.9	99	5	Right	No	Safety Fence	WADS-P-8039_1A
Erie	OH-ER-152.0001	Dwelling	127.7	107	22	Right	Yes	Safety Fence	WADS-P-8040_1A

APPENDIX K-2 (cont'd)

Buildings within 50 Feet of the NGT Project

State, Facility, County	Parcel ID	Building Type	Approximate Milepost	Distance from [a]		Direction (Right or Left) [b]	Occupied (Yes/No) [c]	Proposed Mitigation Measures [d]	Residential Construction Plan Number
				Pipeline Centerline (feet)	Edge of Workspace (feet)				
Mainline (cont'd)									
Erie	OH-ER-152.0010	Dwelling	127.7	160	48	Left	Yes	Safety Fence	WADS-P-8041_1A
Erie	OH-ER-152.0001	Pool	127.7	126	41	Right	No	Safety Fence	WADS-P-8040_1A
Erie	OH-ER-152.0000	Shed	127.7	103	18	Right	No	Safety Fence	WADS-P-8040_1A
Erie	OH-ER-160.0010	Barn	128.9	175	30	Right	No	Safety Fence	WADS-P-8042_1A
Erie	OH-ER-160.0010	Silo	128.9	383	24	Right	No	Safety Fence	WADS-P-8042_1A
Sandusky	OH-SA-014.0000	Dwelling	133.5	73	33	Left	Yes	Safety Fence	WADS-P-8043_1A
Sandusky	OH-SA-085.0000	Barn	145.2	109	29	Left	No	Safety Fence	CLYD-P-8001_1B
Sandusky	OH-SA-120.0010	Barn	150.2	110	25	Right	No	Safety Fence	CLYD-P-8003_1B
Sandusky	OH-SA-120.0010	Shed	150.2	86	On Edge	Right	No	Safety Fence	CLYD-P-8003_1B
Sandusky	OH-SA-120-0010	Dwelling	150.2	132	47	Right	Yes	Safety Fence	CLYD-P-8003_1B
Sandusky	OH-SA-120.0010	Shed	150.2	127	42	Right	No	Safety Fence	CLYD-P-8003_1B
Sandusky	OH-SA-156.0002	Shed	155.1	113	20	Right	No	Safety Fence	CLYD-P-8004_1B
Sandusky	OH-SA-159.0030	Barn	155.9	98	12	Right	No	Safety Fence	CLYD-P-8006_1B
Sandusky	OH-SA-159.0020	Dwelling	155.9	134	44	Left	No	Safety Fence	CLYD-P-8005_1B
Sandusky	OH-SA-159.0020	Dwelling	155.9	107	17	Left	Yes	Safety Fence	CLYD-P-8005_1B
Sandusky	OH-SA-159.0020	Shed	155.9	116	26	Left	No	Safety Fence	CLYD-P-8005_1B
Sandusky	OH-SA-170.0000	Dwelling	157.7	169	34	Right	Yes	Safety Fence	CLYD-P-8008_1B
Sandusky	OH-SA-217.0010	Dwelling	163.7	101	15	Right	Yes	Safety Fence	CLYD-P-8009_1A
Wood	OH-WO-028.0001	Garage	167.2	153	43	Right	No	Safety Fence	CLYD-P-8010_1B
Wood	OH-WO-048.0000	Barn	170.7	118	37	Right	No	Safety Fence	CLYD-P-8011_1A
Wood	OH-WO-048.0000	Shed	170.7	111	49	Right	No	Safety Fence	CLYD-P-8011_1A
Lucas	OH-LC-055.0003	Shed	187.9	84	24	Right	No	Safety Fence	WATE-P-8001_1A
Henry	OH-HY-001.0000	Barn	189.3	97	29	Left	No	Safety Fence	WATE-P-8002_1A
Fulton	OH-FU-014.0030	Shed	193.5	36	Inside	Right	No	Safety Fence	WATE-P-8003_1A
Fulton	OH-FU-014.0030	Shed	193.5	42	Inside	Right	No	Safety Fence	WATE-P-8003_1A
Fulton	OH-FU-014.0030	Shed	193.5	39	Inside	Right	No	Safety Fence	WATE-P-8003_1A
Fulton	OH-FU-015.0001	Garage	193.8	159	45	Left	No	Safety Fence	WATE-P-8005_1B
Fulton	OH-FU-015.0001	Dwelling	193.8	144	17	Left	Yes	Safety Fence	WATE-P-8005_1B
Fulton	OH-FU-015.0000	Barn	193.8	162	27	Right	No	Safety Fence	WATE-P-8004_1B
Fulton	OH-FU-019.0000	Barn	194.8	117	32	Left	No	Safety Fence	WATE-P-8006_1A
MICHIGAN									
Monroe	MI-MR-019.0000	Barn	232.4	65	25	Left	No	Safety Fence	WATE-P-8007_1A
Monroe	MI-MR-019.0001	Dwelling	232.4	165	50	Left	Yes	Safety Fence	WATE-P-8007_1A
Monroe	MI-MR-028.0000	Shed	233.1	105	45	Right	No	Safety Fence	WATE-P-8008_1B

APPENDIX K-2 (cont'd)

Buildings within 50 Feet of the NGT Project

State, Facility, County	Parcel ID	Building Type	Approximate Milepost	Distance from [a]		Direction (Right or Left) [b]	Occupied (Yes/No) [c]	Proposed Mitigation Measures [d]	Residential Construction Plan Number
				Pipeline Centerline (feet)	Edge of Workspace (feet)				
MICHIGAN (cont'd)									
Washtenaw	MI-WA-027.0000	Barn	241.1	55	14	Left	No	Safety Fence	WATE-P-8010_1B
Washtenaw	MI-WA-030.0001	Shed	241.6	77	37	Left	No	Safety Fence	WATE-P-8011_1A
Washtenaw	MI-WA-035.0000	Barn	242.4	93	8	Right	No	Safety Fence	WATE-P-8012_1A
Washtenaw	MI-WA-069.0001	Shed	247.5	134	49	Right	No	Safety Fence	WATE-P-8013_1A
Washtenaw	MI-WA-074.0000	Shed	247.9	100	15	Right	No	Safety Fence	WATE-P-8014_1A
Washtenaw	MI-WA-075.0010	Dwelling	247.9	123	44	Left	Yes	Safety Fence	WATE-P-8015_1A
Washtenaw	MI-WA-106.0000	Commercial Building	250.2	62	1	Right	Yes	Safety Fence	WATE-P-8016_1B
Washtenaw	MI-WA-118.0000	Dwelling	252	77	37	Left	Yes	Safety Fence	WATE-P-8017_1B
Washtenaw	MI-WA-118.0000	Shed	252	41	On Edge	Left	No	Safety Fence	WATE-P-8017_1B
Washtenaw	MI-WA-119.0010	Dwelling	252	66	26	Left	Yes	Safety Fence	WATE-P-8017_1B
Washtenaw	MI-WA-119.0010	Shed	252.1	29	Inside	Left	No	Safety Fence	WATE-P-8017_1B
Washtenaw	MI-WA-119.0020	Shed	252.1	39	On Edge	Left	No	Safety Fence	WATE-P-8017_1B
Washtenaw	MI-WA-119.0020	Shed	252.1	90	50	Left	No	Safety Fence	WATE-P-8017_1B
Washtenaw	MI-WA-120.0000	Commercial Building	252.2	66	31	Right	Yes	Safety Fence	WATE-P-8018_1A
Washtenaw	MI-WA-123.0001	Commercial Building	252.2	172	45	Right	No	Safety Fence	WATE-P-8018_1A
Washtenaw	MI-WA-141.1300	Commercial Building	254.9 R	40	6	Left	No	Safety Fence	WATE-P-8027_1A
Washtenaw	MI-WA-141.1300	Commercial Building	254.9 R	Crossed	Inside	Left	No	Safety Fence	WATE-P-8027_1A

a Distances are approximate and derived from aerial photography and LIDAR data (where survey is not available).
b Direction "right" and "left" are from the perspective of an observer starting at milepost 0.0 of the proposed pipeline centerline.
c See site-specific residential construction plans for workspace configuration and mitigation (e.g., placement of safety fencing).
d Occupancy status determined based on DOT/Non-DOT structure classification.

APPENDIX K-3

PLANNED DEVELOPMENTS NEAR THE NGT PROJECT

APPENDIX K-3

Planned Developments Near the NGT Project

State, Name of Planned Development	Description	Approximate Milepost	Location and Proximity to NGT Project	Status
OHIO				
Private Residential	Pond recently installed on property.	1.0 to 1.3	The pond is within the study corridor and approximately 89 feet NW of the 100-foot temporary right-of-way corridor and will be approximately 1 acre in size. The project borders Railroad Street/Hwy 644 to the north. The exact location of the proposed pond is unknown, but from the southern property boundary bordering Railroad Street/Hwy 644 to pipeline centerline is approximately 1,883.9 feet and from the northern property boundary line it is approximately 723.5 feet.	Plans have not been filed.
Dehoff Agency Inc.	Residential development.	32.7	Multiple properties bordering Dotwood Street to the south.	Plans have not been filed.
Whitetail Properties, Inc.	Residential development.	33.0	Multiple properties bordering Wright Road.	Plans have not been filed.
Dutch Heritage Homes, Inc.	Residential development.	33.0	Multiple properties bordering Wright Road.	Plans have not been filed.
Private Residential	Plans have been approved for construction of a pole barn, pond, and bridge. Landowner has future plans to construct a residence; these plans have not been approved.	34.0	Parcel borders Cain Street to the northwest; centerline crosses through this property.	Plan approved by Stark County for pole barn, pond, and bridge. Construction schedule unknown.
Brienza Park	Commercial development.	34.4	Parcel is located approximately 3,080 feet south of the construction workspace.	Status unknown
Ariss Park Master Plan	Public park	35.4	Undetermined	Status unknown
Wise's Mayfair Allotment	Residential development.	35.4	Parcel is located approximately 1,100 feet southeast of the construction workspace.	Status unknown
Park Place	Commercial development.	35.6 to 36.0	Undetermined	Status unknown
Portage Lakes Career Center	Commercial development.	36.0	Parcel is approximately 1.2 mile northwest of MP 36.0 R.	Status unknown
Green Vertical Properties LLC	Commercial development. According to Green Vertical Properties LLC, future development plans are confidential.	36.0	Parcel is approximately 0.3 mile southwest of MP 36.0R.	Will not provide copies of plans; unknown if plans have been filed.
Greensburg Heights Allotment	Residential development.	36.3	Parcel is approximately 710 feet west of construction workspace.	Status unknown

APPENDIX K-3 (cont'd)

Planned Developments Near the NGT Project

State, Name of Planned Development	Description	Approximate Milepost	Location and Proximity to NGT Project	Status
OHIO (cont'd)				
NCT Development Corporation	Commercial development. NCT Development Corporation plans to expand its facility by the end of 2017.	36.4	Parcel is approximately 0.4 mile southwest of MP 36.4 R.	Status unknown
Green Meadows Estates	Residential development.	37.0	Parcel is approximately 2,775 feet west of construction workspace.	Status unknown
Akron-Canton Airport Runway Protection Zone	Commercial development.	37.0	Parcel is approximately 1,070 feet east of construction workspace.	Status unknown
Summit County sheriff training facility	Summit County Sheriff plans to construct a training facility (including a firing range) at this location.	37.0	Parcel is adjacent to and east of construction workspace.	Status unknown
Greensburg Woodlands	Residential development.	37.8	Parcel is approximately 3,225 feet northwest of construction workspace.	Status unknown
Hidden Trail Estates	Residential development.	39.3	Undetermined	Status unknown
Sanctuary At Stoney Creek	Residential development.	39.4	Parcel is approximately 760 feet east of construction workspace.	Status unknown
High Tower Estates	Residential development.	39.5	Parcel is approximately 4,200 feet north of construction workspace.	Status unknown
Mirror Lake Allotment	Residential development.	39.5	Parcel is approximately 4,150 feet north of construction workspace.	Status unknown
Rabl Subdivision	Residential development.	39.5	Parcel is approximately 1,300 feet north of construction workspace.	Status unknown
Springview Estates	Residential development.	39.5	Parcel is approximately 1,750 feet northeast of construction workspace.	Status unknown
Stoney Creek Estates (and future phases)	Residential development.	39.5	Parcel is approximately 760 feet east of construction workspace.	Status unknown
Lake Breeze Allotment	Residential development.	39.5	Parcel is approximately 1,050 feet north of construction workspace.	Status unknown
Forest Lake Estates	Residential development.	39.8	Parcel is approximately 357 feet south of construction workspace.	Status unknown
Commercial	Loyola of the Lakes Jesuit Retreat House	41.0	Parcel is approximately 1,998 feet northwest of construction workspace.	Status unknown
Comet Lake Club	Residential development.	41.5	Parcel is approximately 1,749 feet north of construction workspace.	Status unknown

APPENDIX K-3 (cont'd)

Planned Developments Near the NGT Project

State, Name of Planned Development	Description	Approximate Milepost	Location and Proximity to NGT Project	Status
OHIO (cont'd)				
Woods at Silver Creek Ltd.	Residential development. Township has approved 65 allotments for future development.	53.3	Parcel is northwest of MP 53.3 on Akron Road and Gates Street.	Allotments approved since 2003. A map has been filed with Wayne County. Construction schedule unknown.
AR Lockhart Development	Shopping center, apartment complex, and residential development. Plans contingent upon developer installing sewage line. Plans have been filed with county but zoning is pending.	54.0	Undetermined	Plans filed. Construction schedule unknown.
Private Residential	Plans to build residence.	54.2	Undetermined	Plans have not been filed.
Private Residential	Plans to develop land.	54.9	Undetermined	Plans have not been filed.
City of Wadsworth Airport Expansion	Airport expansion plans are from 2008.	57.5	Parcel is approximately 500 feet north of the proposed permanent easement.	Status unknown
Private	Mining of peat moss on property.	59.0	Undetermined	Current.
Damar Valley LLC	Residential subdivision development.	59.0	Undetermined	Plans have not been filed.
Private Residential	Plans to build residence and barn on property.	59.3	Undetermined	Plans have not been filed.
Private Residential	Operating orchard on property. Plans to further develop with additional trees.	59.5	Undetermined	Plans have not been filed.
Gatliff Building Company	Plans to build residential home on lot.	61.3	Undetermined	Plans have not been filed.
Private Residential	Potential plans to build residences on properties.	62.8	Undetermined	Plans have not been filed.
Private Residential	Plans to subdivide property along road frontage on Blake and Guilford Roads.	64.0	Undetermined	Plans have not been filed.
Private Residential	Plans to subdivide lot (MP 65).	65.8	Undetermined	Plans have not been filed.
Private Residential	Plans to build sewage line and associated pump.	68.3	Undetermined	Plans have not been filed.
VGL Properties LLC	Development related to outdoor public attractions. Plans involve construction of driveways, trails, dirt moving/excavating, and construction of small structures, paintball course, and hay ride trails.	68.8	Undetermined	In process of obtaining permits. Construction schedule unknown.

APPENDIX K-3 (cont'd)

Planned Developments Near the NGT Project

State, Name of Planned Development	Description	Approximate Milepost	Location and Proximity to NGT Project	Status
OHIO (cont'd)				
Medina County Parks	Plans to develop an extension to an existing biking/running trail.	68.9	Undetermined	Plans have not been filed.
Board of County Commissioners of Medina County	No details provided.	70.0	Undetermined	Plans have not been filed.
Medina County Park District	Medina County Parks Department is planning on developing mitigated wetland on tract. Parks Department owns additional tracts near this location that have been developed into mitigated wetlands. Subsequent to development of mitigated wetlands on a tract, the Parks Department historically enters into an environmental covenant with the ODNR.	70.5	Undetermined	Plans have not been filed.
Western Land Conservancy	Conservancy recently purchased this parcel to protect land from development.	95.4	Undetermined	Plans have not been filed.
Western Land Conservancy	Conservancy recently purchased this parcel to protect land from development.	95.4 to 95.5	Undetermined	Plans have not been filed.
Private Residential	Plans to subplot properties for additional residential structures.	111.5 to 111.7	Undetermined	Plans have not been filed.
Private Residential	Plans to build residential structure directly behind existing residence.	112.1	Undetermined	Plans have not been filed.
Private Residential	Plans to build residence.	112.3	NEXUS has not been able to connect with landowner. Distance and direction from Project unknown	Plans have not been filed.
Board of County Commissioners of Erie County	Future plans to use property for land mining. Dirt will be removed and used to cover county landfills.	119.0	Parcel is approximately 290 feet north of construction workspace.	Plans have not been filed.
Avery Commerce Park, LLC	Plans for commercial park to be updated and/or renovated.	119.7	Undetermined	Plans have not been filed.
State of Ohio and Sandusky County	State and county have plans to build a new intersection from 53, about 800 feet south of proposed pipeline route. New intersection at turnpike would intersect the proposed pipeline route.	146.2	Located at the intersection of County Road 53 and the turnpike, just south of the proposed pipeline route.	Possibly start construction in 2016.
Gun range	Plans to sell property to the City of Bowling Green; not currently in negotiations. Pipeline route intersects gun range on this property.	178.5	Undetermined	Plans have not been filed. Gun range is operational.

APPENDIX K-3 (cont'd)

Planned Developments Near the NGT Project

State, Name of Planned Development	Description	Approximate Milepost	Location and Proximity to NGT Project	Status
OHIO (cont'd)				
Commercial	City of Bowling Green has purchased this property with initial plan to lease as farm land. Future plans may include building a substation or water reservoir.	178.6	Undetermined	Plans have not been filed.
Browning Masonic Community Inc.	Masonic lodge plans to build a retirement community with housing and other facilities on the property	182.0	West of County Road 53.	Pre-filing stage.
Noward Road Rebuild; Waterville Township and Lucas County	Planning to rebuild this stretch of road.	183.1	Located in Lucas County, Waterville Township; Township Rd 137 (Noward) between Highway 64 and Neopolis Waterville Rd.	Plans are firm. Rebuild to start in spring 2017.
MICHIGAN				
Crescent Hills Associates, LLC	Residential development. Subdivision expansion; planned subdivision would take up the entire parcel. There are currently two existing utility lines on this parcel.	236.7	Undetermined	Plans have not been filed.
Undetermined	An easterly expansion of the subdivision on the property to the west across this parcel of land.	244.6	Undetermined	Plans were filed around 2004 but have not been approved to date. Tentatively breaking ground on road construction in spring 2016.
Undetermined	Current: Disc golf course. Future plans to build an apartment complex and restaurant along the lake, service station near north east side of property with restaurants.	251.2	The new apartments and restaurant will be along the lake where temporary workspace is located (west of centerline). New gas station will be built at the intersection of Bridge Road and Southgrove Street.	Plans filed with Ypsilanti Township.
Racer Properties, LLC	Remediation site with ground contamination; communications with different interested parties regarding future developmental plans but no firm commitments have been shared. Future development is scheduled for entire tract; type of development will determine how much space is used. Could be several simultaneous projects on this property.	253.4R	Undetermined	Plans have not been filed.

APPENDIX K-4

KNOWN FSA-ENROLLED LANDS CROSSED BY THE NGT PROJECT

APPENDIX K-4

Known FSA-Enrolled Lands Crossed by the NGT Project Mainline

State, Tract Number	Milepost Start	Milepost End	Acres Affected	
			Construction [a]	Operation [b]
OHIO				
OH-CO-059.0000	6.4	6.9	9.2	2.7
OH-CO-059.0000-AB.05				
OH-CO-059.0100-AB.05	6.4	6.9	1.0	0.5
OH-CO-073.0000	8.1	8.2	0.2	1.0
OH-CO-073.0000-TAR-7				
OH-CO-080.0000	9.5	9.9	8.0	3.0
OH-CO-082.0000	10.0	10.0	1.5	0.5
OH-CO-108.0000	11.8	11.9	0.9	0.4
OH-SU-150.0000	45.3	45.5	1.9	0.7
OH-SU-177.0000	48.0	48.1	0.0	1.0
OH-ME-097.0000	67.9	67.9	0.1	0.0
OH-ME-173.0000	75.4	75.5	2.7	0.7
OH-LO-026.0000	83.9	84.4	7.4	2.8
OH-LO-039.0000	86.4	86.5	2.5	0.9
OH-LO-040.0000	86.5	86.7	1.7	1.2
OH-LO-071.0010	90.6	90.6	0.0	0.0
OH-LO-076.0000	92.4	92.7	5.9	1.9
OH-LO-076.0000-TAR-7-92.5				
OH-LO-077.0000	92.7	92.8	1.8	0.7
OH-ER-005.0000	105.5	105.9	6.8	2.4
OH-ER-007.0000	105.9	105.9	0.9	0.2
OH-ER-008.0000	105.9	106.1	2.6	0.9
OH-ER-008.0000	116.9	117.1	0.1	1.3
OH-ER-089.0000	117.1	117.2	0.0	0.5
OH-ER-091.0000	117.1	117.7	11.0	2.7
OH-ER-091.0000-TAR-7-117.6 c				
OH-ER-097.0000	118.4	118.7	4.2	1.8
OH-ER-098.0000	118.7	118.8	2.0	0.6
OH-ER-111.0000	120.4	120.8	8.0	2.7
OH-ER-114.0000	121.3	121.6	5.1	2.0
OH-ER-142.0000	126.1	126.1	1.7	0.4
OH-SA-012.0000	133.1	133.4	7.8	1.5
OH-SA-012.0000-TAR-1				
OH-SA-032.0000	137.9	138.0	2.4	0.9
OH-SA-045.0000	139.6	139.8	2.9	0.9
OH-SA-056.0000	141.3	141.6	5.7	2.0
OH-SA-081.0000	144.9	145.2	10.4	3.0
OH-SA-081.0000-AB-1				
OH-SA-092.0000	146.0	146.2	2.6	1.0
OH-SA-109.0000	148.1	148.2	1.7	0.4
OH-SA-110.0000	148.2	148.3	1.0	0.4
OH-SA-110.0000-PAR				
OH-SA-116.0000	149.4	149.6	4.8	1.6
OH-SA-120.0000	150.0	150.3	4.0	1.5
OH-SA-132.0000	151.7	151.8	1.6	0.6
OH-SA-134.0000	151.9	152.2	6.0	2.3
OH-SA-135.0000	152.2	152.5	2.8	1.3
OH-SA-151.0000	154.6	154.7	2.7	0.9

APPENDIX K-4 (cont'd)

Known FSA-Enrolled Lands Crossed by the NGT Project Mainline

State, Tract Number	Milepost Start	Milepost End	Acres Affected	
			Construction [a]	Operation [b]
OHIO (cont'd)				
OH-SA-164.0000	156.6	156.9	5.2	1.9
OH-SA-168.0000	157.4	157.6	3.1	1.6
OH-SA-170.0000	157.6	157.7	1.0	0.3
OH-SA-171.0000	157.7	157.9	4.3	1.2
OH-SA-177.0000	158.9	159.0	1.2	0.4
OH-SA-179.0000	159.0	159.2	1.8	1.1
OH-SA-180.0000	159.2	159.4	4.3	1.5
OH-SA-181.0000	159.4	159.4	0.5	0.1
OH-SA-184.0000	159.6	159.7	1.9	0.8
OH-SA-192.0000	160.8	161.1	4.4	1.6
OH-SA-194.0000	161.1	161.4	4.6	1.7
OH-SA-207.0000	162.6	162.8	6.1	2.0
OH-WO-011.0000	165.0	165.1	1.1	0.5
OH-WO-015.0000	165.4	165.6	5.2	1.2
OH-WO-015.0000-TAR-2				
OH-WO-016.0000	165.6	165.7	2.2	0.6
OH-WO-017.0000	165.7	165.8	1.7	0.8
OH-WO-026.0000	166.8	167.2	6.8	2.2
OH-WO-029.0010	167.4	167.4	0.1	0.0
OH-WO-037.0000	168.3	168.4	2.1	0.6
OH-WO-039.0000	168.4	168.4	1.5	0.4
OH-WO-047.0000	170.4	170.7	4.4	1.6
OH-WO-049.0000	170.7	170.8	1.8	0.7
OH-WO-049.0000-MLV				
OH-WO-051.0000	170.8	170.9	1.2	0.4
OH-WO-057.0000	171.4	171.7	1.9	1.1
OH-WO-059.0000	171.7	171.8	1.1	0.4
OH-WO-060.0000	171.8	171.8	0.6	0.2
OH-WO-062.0000	171.9	172.0	1.1	0.4
OH-WO-063.0000	172.0	172.2	2.3	0.9
OH-WO-064.0000	172.2	172.2	1.1	0.5
OH-WO-065.0000	172.2	172.3	1.2	0.5
OH-WO-071.0000	172.8	172.9	1.2	0.5
OH-WO-072.0000	172.9	173.0	1.2	0.5
OH-WO-081.0000	173.9	173.9	1.7	0.5
OH-WO-088.0000	174.5	174.6	2.3	0.9
OH-WO-088.0000-TAR-6-174.5				
OH-WO-088.0000-AB-3				
OH-WO-088.0100-AB-3				
OH-WO-089.0000	174.6	174.7	1.6	0.6
OH-WO-090.0000	174.7	174.7	0.5	0.2
OH-WO-091.0000	174.7	174.9	1.9	0.8
OH-WO-092.0000	174.9	175.0	1.9	0.7
OH-WO-093.0000	175.0	175.1	3.8	0.8
OH-WO-093.0000-TAR-7-175.1				
OH-WO-095.0000	175.2	175.2	2.1	0.4
OH-WO-096.0000	175.2	175.4	3.1	0.9

APPENDIX K-4 (cont'd)

Known FSA-Enrolled Lands Crossed by the NGT Project Mainline

State, Tract Number	Milepost Start	Milepost End	Acres Affected	
			Construction [a]	Operation [b]
OHIO (cont'd)				
OH-WO-101.0000	175.6	176.1	8.4	3.1
OH-WO-102.0000	176.1	176.2	0.9	0.4
OH-WO-115.0000 c	177.8	178.1	3.9	1.5
OH-WO-117.0000 c	178.1	178.3	3.9	1.5
OH-WO-118.0000 c	178.3	178.4	0.9	0.4
OH-WO-129.0000	179.5	179.5	1.2	0.4
OH-LC-035.0000	184.5	184.8	4.0	1.5
OH-FU-004.0000	190.9	191.5	10.0	3.5
OH-FU-018.0000	194.1	194.3	4.0	1.5
OH-FU-019.0000	194.3	194.8	8.1	3.1
OH-FU-027.0000	195.9	196.2	6.4	2.1
		Ohio Total	**292.4**	**104.8**
MICHIGAN				
MI-LE-001.0000-SC MI-LE-001.0000-TAR-1	208.3	208.5	8.6	0.9
MI-LE-002.0000	208.5	208.7	4.0	1.5
MI-LE-005.0000	209.0	209.5	7.8	3.0
MI-LE-006.0000	209.5	209.7	4.0	1.5
MI-LE-007.0000	209.7	210.0	5.6	1.6
MI-LE-012.0000	210.5	211.0	7.6	2.9
MI-LE-014.0000	211.0	211.5	8.1	3.1
MI-LE-015.0000	211.5	212.0	8.1	3.1
MI-LE-017.0000	212.0	212.5	7.6	2.9
MI-LE-018.0000	212.5	213.0	7.7	2.9
MI-LE-020.0000	213.0	213.5	8.5	3.1
MI-LE-021.0000	213.5	214.0	8.2	3.1
MI-LE-023.0000	214.0	214.3	3.7	1.4
MI-LE-024.0000	214.3	214.5	3.5	1.4
MI-LE-025.0000	214.5	214.8	4.7	1.8
MI-LE-026.0000	215.1	215.2	7.3	2.4
MI-LE-030.0000	215.9	216.0	2.6	1.0
MI-LE-035.0000	216.8	217.1	6.8	1.9
MI-LE-038.0000	217.1	217.4	7.1	1.5
MI-LE-040.0000	217.9	218.4	8.6	3.0
MI-LE-042.0000	218.4	218.9	9.3	3.0
MI-LE-052.0000	220.1	220.2	1.7	0.0
MI-LE-053.0000	220.2	220.4	2.8	0.0
MI-LE-073.0000	222.8	223.1	3.6	1.6
MI-LE-074.0000	223.1	223.2	2.6	1.0
MI-LE-077.0000	223.5	223.8	4.6	1.8
MI-LE-078.0000	223.8	224.1	3.8	1.4
MI-LE-079.0000	224.1	224.1	0.7	0.3
MI-LE-084.0000	224.9	225.0	1.8	0.4
MI-LE-086.0000	225.0	225.1	1.7	0.4
MI-LE-093.0000 MI-LE-093.0000-TAR-3	226.3	226.6	7.1	2.3
MI-LE-095.0000	226.7	227.0	6.2	2.1

APPENDIX K-4 (cont'd)

Known FSA-Enrolled Lands Crossed by the NGT Project Mainline

State, Tract Number	Milepost Start	Milepost End	Acres Affected	
			Construction [a]	Operation [b]
MICHGIAN (cont'd)				
MI-LE-116.0000	230.3	230.4	0.7	0.2
MI-MR-007.0000	230.8	231.1	3.3	1.4
MI-MR-008.0000	231.1	231.2	3.3	1.1
MI-MR-010.0000	231.3	231.3	0.6	0.2
MI-MR-013.0000	231.8	231.9	1.8	0.0
MI-MR-015.0000	231.9	232.2	4.5	1.7
MI-MR-019.0000	232.3	232.5	2.2	0.8
MI-MR-027.0000	233.3	233.4	5.2	1.6
MI-MR-029.0000	233.4	233.7	4.6	1.7
MI-MR-031.0000	233.8	234.0	1.7	3.5
MI-MR-039.0000	234.7	235.0	5.7	2.0
MI-MR-040.0000	235.0	235.2	3.3	1.2
MI-MR-042.0000	235.3	235.6	4.4	1.7
MI-MR-043.0000	235.6	235.7	1.2	0.4
MI-MR-044.0000	235.7	235.9	4.0	1.4
MI-MR-048.0000	236.3	236.6	5.6	2.0
MI-WA-023.0000	240.5	240.7	4.0	1.6
		Michigan Total	**232.1**	**80.8**
		NGT Project Total	**524.5**	**185.6**

a Land affected during construction includes temporary workspace, permanent easement, and additional temporary workspace.

b Land affected during operation of the pipeline includes only the permanent right-of-way.

c Tract also produces specialty crops.

APPENDIX K-5

AGRICULTURAL DRAIN TILES AND IRRIGATION SYSTEMS CROSSED BY THE NGT PROJECT

APPENDIX K-5

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
OHIO				
TGP Interconnecting Pipeline				
Columbiana	OH-COL-008.0000 OH-COL-008.0000-MR OH-COL-008.0000-PAR-1	0.0	0.1	Drain tiles; size and type unknown
Columbiana	OH-COL-006.0000	0.1	0.1	Drain tiles; size and type unknown
Mainline				
Columbiana	OH-CO-003.0000	0.3	0.6	Drain tiles; size and type unknown
Columbiana	OH-CO-004.0000	0.6	0.9	Drain tiles; size and type unknown
Columbiana	OH-CO-005.0000	0.9	1.0	Drain tiles; 4" plastic
Columbiana	OH-CO-006.0000	1.0	1.1	Drain tiles; 4" plastic
Columbiana	OH-CO-010.0000 OH-CO-010.0000-CS OH-CO-010-0000-PAR-2-1.4	1.3	1.5	Drain tiles; 6” clay
Columbiana	OH-CO-013.0000	1.9	2.0	Drain tiles; 4” and 12” plastic
Columbiana	OH-CO-016.0000	2.0	2.2	Drain tiles; 4" plastic
Columbiana	OH-CO-019.0000	2.2	2.5	Drain tiles; 4" plastic and clay
Columbiana	OH-CO-020.0000 OH-CO-020.0000-TAR-2-2.6 OH-CO-000.0001-SA-3-SPRD1	2.5	2.8	Drain tiles; size and type unknown
Columbiana	OH-CO-021.0000	2.8	2.9	Drain tiles; size and type unknown
Columbiana	OH-CO-022.0000	2.9	3.1	Drain tiles; size and type unknown
Columbiana	OH-CO-035.0000 OH-CO-035.0000-TAR-4-4.3	4.3	4.7	Drain tiles; 4” and 6” clay
Columbiana	OH-CO-035.0010-TAR-4-4.3	4.3	4.3	Drain tiles; size and type unknown
Columbiana	OH-CO-036.0000	4.7	4.8	Drain tiles; 4” and 6” clay
Columbiana	OH-CO-037.0000 OH-CO-037.0000-TAR-5	4.8	4.9	Drain tiles; 4” and 6” clay
Columbiana	OH-CO-039.0000	4.9	5.0	Drain tiles; size and type unknown
Columbiana	OH-CO-042.0000	5.0	5.1	Drain tiles; 4" plastic
Columbiana	OH-CO-043.0000	5.1	5.3	Drain tiles; 4" plastic
Columbiana	OH-CO-046.0000	5.5	5.6	Drain tiles; 4" plastic
Columbiana	OH-CO-053.0000	5.9	6.1	Drain tiles; size and type unknown
Columbiana	OH-CO-054.0000	6.1	6.3	Drain tiles; size and type unknown
Columbiana	OH-CO-054.0100	6.3	6.3	Drain tiles; size and type unknown
Columbiana	OH-CO-055.0100	6.3	6.4	Drain tiles; size and type unknown
Columbiana	OH-CO-055.0200	6.4	6.4	Drain tiles; 4" plastic
Columbiana	OH-CO-059.0000 OH-CO-059.0000-AB-1 OH-CO-000.0001-SA-6-SPRD1	6.4	6.9	Drain tiles; 6" plastic
Columbiana	OH-CO-061.0000	6.9	7.2	Drain tiles; size unknown; clay and plastic
Columbiana	OH-CO-062.0000 OH-CO-062.0000-TAR-6-7.3	7.2	7.5	Drain tiles; size and type unknown
Columbiana	OH-CO-063.0000	7.5	7.5	Drain tiles; size unknown; clay and plastic
Columbiana	OH-CO-064.0000	7.5	7.6	Drain tiles; size unknown; clay and plastic
Columbiana	OH-CO-065.0000	7.6	7.7	Drain tiles; size unknown; clay
Columbiana	OH-CO-074.0000 OH-CO-074.0000-TAR-8-8.2 OH-CO-000.0001-SA-8-SPRD1 OH-CO-000.0001-SA-9-SPRD1	8.2	8.3	Drain tiles; size and type unknown

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Columbiana	OH-CO-075.0000	8.3	8.5	Drain tiles; size and type unknown
Columbiana	OH-CO-076.0000	8.5	8.6	Drain tiles; size unknown; clay and plastic
Columbiana	OH-CO-077.0000	8.6	8.7	Drain tiles; size unknown; clay and plastic
Columbiana	OH-CO-078.0000	8.7	8.9	Drain tiles; size unknown; clay and plastic
Columbiana	OH-CO-079.0000	8.9	9.5	Drain tiles; 4" and 6" clay and plastic
Columbiana	OH-CO-080.0000	9.5	9.9	Drain tiles; 4" and 6" clay and plastic
Columbiana	OH-CO-082.0000	10.0	10.0	Drain tiles; 4" and 6" clay and plastic
Columbiana	OH-CO-086.0000	10.1	10.4	Drain tiles; size and type unknown
Columbiana	OH-CO-087.0000	10.4	10.5	Drain tiles; size and type unknown
Columbiana	OH-CO-089.0000 OH-CO-089.0000-TAR-9-10.8 OH-CO-000.0001-SA-10-SPRD1	10.5	10.8	Drain tiles; 3" and 4"; clay and plastic
Columbiana	OH-CO-091.0000	11.0	11.0	Drain tiles; size and type unknown
Columbiana	OH-CO-093.0000	11.0	11.1	Drain tiles; size and type unknown
Columbiana	OH-CO-094.0000	11.1	11.1	Drain tiles; size and type unknown
Columbiana	OH-CO-099.0010	11.2	11.3	Drain tiles; size and type unknown
Columbiana	OH-CO-098.0010	11.3	11.3	Drain tiles; size and type unknown
Columbiana	OH-CO-102.0000	11.4	11.4	Drain tiles; 3" and 4"; clay and plastic
Columbiana	OH-CO-103.0000	11.4	11.4	Drain tiles; 3" and 4"; clay and plastic
Columbiana	OH-CO-106.0000	11.4	11.7	Drain tiles; 4" and 6"; clay and plastic
Columbiana	OH-CO-107.0000	11.7	11.8	Drain tiles; size and type unknown
Columbiana	OH-CO-109.0000	11.9	12.1	Drain tiles; 4" and 6"; clay and plastic
Columbiana	OH-CO-110.0000	12.1	12.5	Drain tiles; 4" and 6"; clay and plastic
Columbiana	OH-CO-112.0000	12.5	12.5	Drain tiles; 4" and 6"; clay and plastic
Stark	OH-ST-001.0000	12.5	13.1	Drain tiles; 4" and 6"; clay and plastic
Stark	OH-ST-005.0100 OH-ST-005.0100-HTAR-0.5	13.2	13.5	Drain tiles; size unknown; clay
Stark	OH-ST-008.0000 OH-ST-008.0000-TAR-1-13.5	13.5	13.8	Drain tiles; size and type unknown
Stark	OH-ST-013.0000	14.0	14.1	Drain tiles; size and type unknown
Stark	OH-ST-015.0000	14.1	14.2	Drain tiles; 4" clay and plastic
Stark	OH-ST-016.0000	14.2	14.3	Drain tiles; 4" and 6"; type unknown
Stark	OH-ST-017.0000	14.3	14.4	Drain tiles; 4" clay and plastic
Stark	OH-ST-018.0000	14.4	14.5	Drain tiles; 4"; type unknown
Stark	OH-ST-020.0000	14.5	14.5	Drain tiles; size and type unknown
Stark	OH-ST-021.0000	14.5	14.8	Drain tiles; 4" and 6"; clay and plastic
Stark	OH-ST-023.0000	14.8	15.0	Drain tiles; 4" and 6"; clay and plastic
Stark	OH-ST-024.0000	15.0	15.1	Drain tiles; size and type unknown
Stark	OH-ST-025.0000	15.1	15.2	Drain tiles; size and type unknown
Stark	OH-ST-026.0000	15.2	15.4	Drain tiles; 4" and 6"; clay and plastic
Stark	OH-ST-028.0000 OH-ST-028.0000-TAR-2-15.4 OH-ST-000.0001-SA-2-SPRD1	15.4	15.7	Drain tiles; 6" and 8"; clay
Stark	OH-ST-029.0000	15.7	16.0	Drain tiles; 4" clay and plastic
Stark	OH-ST-030.0000	16.0	16.2	Drain tiles; 4" and 12"; clay
Stark	OH-ST-032.0000	16.2	16.3	Drain tiles; size unknown; clay
Stark	OH-ST-032.0100	16.3	16.4	Drain tiles; 4" clay and plastic
Stark	OH-ST-032.0200	16.4	16.5	Drain tiles; size unknown; clay

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Stark	OH-ST-032.0300	16.5	16.6	Drain tiles; size unknown; clay
Stark	OH-ST-033.0000 OH-ST-033.0000-PAR-1-16.8 OH-ST-033.0000-MLV-1	16.6	16.7	Drain tiles; size unknown; clay
Stark	OH-ST-035.0000	16.7	17.0	Drain tiles; 6" clay
Stark	OH-ST-036.0000	17.0	17.0	Drain tiles; size and type unknown
Stark	OH-ST-037.0000	17.0	17.1	Drain tiles; 4" clay
Stark	OH-ST-039.0000	17.2	17.6	Drain tiles; 4", 6" and 8"; clay and plastic
Stark	OH-ST-040.0000	17.6	17.7	Drain tiles; 4" clay
Stark	OH-ST-041.0000	17.8	17.9	Drain tiles; 4" plastic
Stark	OH-ST-042.0000	17.9	18.3	Drain tiles; 4" clay and plastic
Stark	OH-ST-045.0000	18.3	18.4	Drain tiles; 4" clay and plastic
Stark	OH-ST-047.0000	18.4	18.6	Drain tiles; 4" and 6"; clay and plastic
Stark	OH-ST-051.0000 OH-ST-051.0000-TAR-3-18.6	18.6	19.0	Drain tiles; 4" and 8" clay
Stark	OH-ST-052.0000	19.0	19.2	Drain tiles; 4" clay and plastic
Stark	OH-ST-053.0000	19.2	19.3	Drain tiles; 4" clay and plastic
Stark	OH-ST-055.0000	19.5	19.6	Drain tiles; 8" clay
Stark	OH-ST-057.0000	19.6	19.9	Drain tiles; 4", 6" and 8"; clay and plastic
Stark	OH-ST-057.0010	19.7	19.9	Drain tiles; size and type unknown
Stark	OH-ST-058.0000	19.9	20.0	Drain tiles; 4", 6" and 8"; clay and plastic
Stark	OH-ST-059.0000	20.0	20.0	Drain tiles; size and type unknown
Stark	OH-ST-062.0000	20.1	20.2	Drain tiles; 4", 6", 8" and 12"; clay and plastic
Stark	OH-ST-063.0000 OH-ST-063.0000-TAR-4-20.4	20.2	20.4	Drain tiles; 4" and 6" clay
Stark	OH-ST-066.0000	20.5	20.5	Drain tiles; size and type unknown
Stark	OH-ST-067.0000	20.5	20.8	Drain tiles; size and type unknown
Stark	OH-ST-068.0000	20.8	21.2	Drain tiles; size and type unknown
Stark	OH-ST-069.0000	21.2	21.7	Drain tiles; 4" clay
Stark	OH-ST-070.0000 OH-ST-070.0000-AB-1	21.7	22.0	Drain tiles; size and type unknown
Stark	OH-ST-072.0000	22.0	22.2	Drain tiles; size and type unknown
Stark	OH-ST-073.0010	22.2	22.2	Drain tiles; size and type unknown
Stark	OH-ST-073.0000	22.2	22.2	Drain tiles; size and type unknown
Stark	OH-ST-075.0000	22.2	22.5	Drain tiles; size unknown; clay and plastic
Stark	OH-ST-077.0000	22.7	23.2	Drain tiles; size unknown; clay and plastic
Stark	OH-ST-079.0000	23.2	23.5	Drain tiles; size unknown; clay and plastic
Stark	OH-ST-082.0000	23.7	24.2	Drain tiles; 4" and 6"; clay and plastic
Stark	OH-ST-082.0010	24.1	24.2	Drain tiles; size and type unknown
Stark	OH-ST-084.0000	24.2	24.7	Drain tiles; size unknown; clay
Stark	OH-ST-085.0000	24.7	25.0	Drain tiles; size and type unknown
Stark	OH-ST-087.0000	25.0	25.3	Drain tiles; size and type unknown
Stark	OH-ST-088.0000	25.3	25.5	Drain tiles; 4" and 6" clay
Stark	OH-ST-089.0000	25.6	25.7	Drain tiles; 4" and 6" clay
Stark	OH-ST-090.0000	25.7	25.8	Drain tiles; size and type unknown
Stark	OH-ST-091.0000	25.8	25.9	Drain tiles; size and type unknown
Stark	OH-ST-093.0000	25.9	26.4	Drain tiles; size and type unknown

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Stark	OH-ST-098.0000	26.7	26.7	Drain tiles; size and type unknown
Stark	OH-ST-099.0000	26.7	26.8	Drain tiles; size and type unknown
Stark	OH-ST-104.0000	27.3	27.4	Drain tiles; 4" clay and plastic
Stark	OH-ST-105.0000	27.4	27.7	Drain tiles; size unknown; clay and plastic
Stark	OH-ST-107.0000	27.8	28.0	Drain tiles; 4" clay
Stark	OH-ST-112.0000	28.2	28.7	Drain tiles; size and type unknown
Stark	OH-ST-113.0000	28.7	28.7	Drain tiles; size and type unknown
Stark	OH-ST-114.0000	28.7	28.9	Drain tiles; size and type unknown
Stark	OH-ST-116.0000 OH-ST-116.0000-TAR-5-29.1 OH-ST-000.0001-SA-6.1-SPRD1	29.0	29.1	Drain tiles; size and type unknown
Stark	OH-ST-121.0000	29.3	29.7	Drain tiles; size and type unknown
Stark	OH-ST-122.0000	29.7	29.9	Drain tiles; size and type unknown
Stark	OH-ST-123.0000	29.9	30.2	Drain tiles; size and type unknown
Stark	OH-ST-124.0000	30.2	30.3	Drain tiles; size and type unknown
Stark	OH-ST-126.0000	30.3	30.7	Drain tiles; size and type unknown
Stark	OH-ST-127.0000	30.7	30.8	Drain tiles; size and type unknown
Stark	OH-ST-129.0000	30.9	31.1	Drain tiles; size and type unknown
Stark	OH-ST-130.0000	31.1	31.4	Drain tiles; size and type unknown
Stark	OH-ST-131.0000	31.4	31.9	Drain tiles; size and type unknown
Stark	OH-ST-133.0000 OH-ST-133.0000-AB-2	31.9	32.1	Drain tiles; size and type unknown
Stark	OH-ST-135.0000	32.1	32.2	Drain tiles; size and type unknown
Stark	OH-ST-136.0000 OH-ST-136.0000-PAR-2-32.6 OH-ST-136.0000-MLV-2 OH-ST-000.0001-SA-7-SPRD1	32.2	32.6	Drain tiles; size and type unknown
Stark	OH-ST-180.0000	34.0	34.1	Drain tiles; size and type unknown
Stark	OH-ST-181.0000	34.1	34.2	Drain tiles; size and type unknown
Summit	OH-SU-005.0000	34.5	34.5	Drain tiles; size and type unknown
Summit	OH-SU-006.0000	34.5	34.5	Drain tiles; size and type unknown
Summit	OH-SU-007.0000	34.5	34.7	Drain tiles; size and type unknown
Summit	OH-SU-008.0000	34.7	34.8	Drain tiles; size and type unknown
Summit	OH-SU-009.0000	34.8	35.0	Drain tiles; size and type unknown
Summit	OH-SU-016.0000	35.0	35.0	Drain tiles; size and type unknown
Summit	OH-SU-034.0000	37.1	37.3	Drain tiles; 4" clay and plastic
Summit	OH-SU-041.0000	37.6	37.8	Drain tiles; size and type unknown
Summit	OH-SU-044.0000	37.8	37.9	Drain tiles; size and type unknown
Summit	OH-SU-045.0000	37.9	37.9	Drain tiles; size and type unknown
Summit	OH-SU-058.0000	38.8	38.9	Drain tiles; size and type unknown
Summit	OH-SU-059.0000	38.9	39.0	Drain tiles; size and type unknown
Summit	OH-SU-064.0000	39.3	39.3	Drain tiles; size and type unknown
Summit	OH-SU-065.0000	39.3	39.5	Drain tiles; size and type unknown
Summit	OH-SU-067.0000	39.6	39.7	Drain tiles; size and type unknown
Summit	OH-SU-081.0000 OH-SU-081.0000-TAR-2-40.8	40.7	41.0	Drain tiles; size and type unknown
Summit	OH-SU-085.0000	41.2	41.4	Drain tiles; size and type unknown
Summit	OH-SU-086.0000	41.3	41.4	Drain tiles; size and type unknown

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Summit	OH-SU-090.0000 OH-SU-000.0001-SA-2-SPRD-1	41.5	41.5	Drain tiles; size and type unknown
Summit	OH-SU-091.0000	41.5	41.5	Drain tiles; size and type unknown
Summit	OH-SU-097.0000	41.9	42.1	Drain tiles; size and type unknown
Summit	OH-SU-101.0000	42.2	42.2	Drain tiles; size and type unknown
Summit	OH-SU-103.0000	42.3	42.3	Drain tiles; size and type unknown
Summit	OH-SU-107.0010	42.5	42.6	Drain tiles; size and type unknown
Summit	OH-SU-108.0000	42.6	42.7	Drain tiles; size and type unknown
Summit	OH-SU-123.0000	43.1	43.1	Drain tiles; size and type unknown
Summit	OH-SU-124.0000	43.1	43.2	Drain tiles; size and type unknown
Summit	OH-SU-126.0000	43.2	43.3	Drain tiles; size and type unknown
Summit	OH-SU-127.0000	43.3	43.5	Drain tiles; size and type unknown
Summit	OH-SU-135.0000 OH-SU-135.0000-TAR-2.2-44.1	44.0	44.3	Drain tiles; size and type unknown
Summit	OH-SU-138.0000 OH-SU-138.0000-TAR-3-44.3	44.4	44.7	Drain tiles; size and type unknown
Summit	OH-SU-141.0000	44.7	44.8	Drain tiles; size and type unknown
Summit	OH-SU-142.0000	44.8	44.8	Drain tiles; size and type unknown
Summit	OH-SU-150.0000	45.3	45.5	Drain tiles; size and type unknown
Summit	OH-SU-152.0000	45.5	45.5	Drain tiles; size and type unknown
Summit	OH-SU-155.0000	45.8	46.2	Drain tiles; size and type unknown
Summit	OH-SU-155.0010	46.0	46.2	Drain tiles; size and type unknown
Summit	OH-SU-164.0000	46.5	46.8	Drain tiles; size and type unknown
Summit	OH-SU-166.0000	46.8	47.0	Drain tiles; size and type unknown
Summit	OH-SU-167.0000	47.0	47.0	Drain tiles; size and type unknown
Summit	OH-SU-171.0000 OH-SU-171.0000-TAR-4-47.4	47.4	47.5	Drain tiles; size and type unknown
Summit	OH-SU-172.0000	47.5	47.8	Drain tiles; size and type unknown
Summit	OH-SU-173.0000	47.8	47.8	Drain tiles; size and type unknown
Summit	OH-SU-185.0000 OH-SU-185.0000-TAR-5-48.5	48.2	48.5	Drain tiles; size and type unknown
Summit	OH-SU-186.0000	48.5	48.5	Drain tiles; size and type unknown
Summit	OH-SU-187.0000 OH-SU-187.0000-TAR-5-48.5	48.5	48.6	Drain tiles; size and type unknown
Summit	OH-SU-188.0000	48.6	48.7	Drain tiles; size and type unknown
Summit	OH-SU-189.0000	48.7	48.8	Drain tiles; size and type unknown
Summit	OH-SU-191.0000	48.8	48.9	Drain tiles; 6" clay and plastic
Summit	OH-SU-193.0000	48.9	49.4	Drain tiles; size and type unknown
Wayne	OH-WA-001.0000 OH-WA-001.0000-MLV-4 OH-WA-001.0000-PAR-1-50.5	50.4	50.6	Drain tiles; size and type unknown
Wayne	OH-WA-002.0000	50.6	50.9	Drain tiles; 6" clay and plastic
Wayne	OH-WA-003.0000	50.9	51.1	Drain tiles; 6" clay and plastic
Wayne	OH-WA-005.0000	51.1	51.1	Drain tiles; size and type unknown
Wayne	OH-WA-006.0000	51.1	51.3	Drain tiles; 6" clay
Wayne	OH-WA-007.0000	51.3	51.3	Drain tiles; 6" clay
Wayne	OH-WA-008.0000	51.3	51.4	Drain tiles; 6" clay
Wayne	OH-WA-010.0000	51.4	51.6	Drain tiles; size and type unknown
Wayne	OH-WA-011.000	51.6	51.7	Drain tiles; 4" and 6"; clay and plastic

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Wayne	OH-WA-012.0000	51.7	52.0	Drain tiles; size and type unknown
Wayne	OH-WA-014.0000	52.0	52.0	Drain tiles; size and type unknown
Wayne	OH-WA-013.0000	52.0	52.0	Drain tiles; size and type unknown
Wayne	OH-WA-011.0000	52.0	52.3	Drain tiles; size and type unknown
Wayne	OH-WA-011.0010	52.3	52.3	Drain tiles; size and type unknown
Wayne	OH-WA-016.0000	52.2	52.3	Drain tiles; size and type unknown
Wayne	OH-WA-018.0000 OH-WA-018.0000-TAR-1-52.6 OH-WA-018.0000-VS	52.3	52.9	Drain tiles; size and type unknown
Wayne	OH-WA-024.0000 OH-WA-001-SA-1-SPRD1	53.0	53.2	Drain tiles; size and type unknown
Wayne	OH-WA-030.0300 OH-WA-030.0300-AB-1	54.2	54.3	Drain tiles; size and type unknown
Wayne	OH-WA-037.0000	54.5	54.6	Drain tiles; size and type unknown
Wayne	OH-WA-039.0000	54.6	54.8	Drain tiles; 4" to 6" plastic; 4' to 6' depth
Wayne	OH-WA-040.0000	54.8	55.1	Drain tiles; 4" to 6" plastic; 4' to 6' depth
Wayne	OH-WA-041.0000	55.1	55.6	Drain tiles; 4" to 6" plastic; 4' to 6' depth
Wayne	OH-WA-042.0000	55.6	55.7	Drain tiles; size and type unknown
Wayne	OH-WA-048.0000	55.7	55.8	Drain tiles; size and type unknown
Wayne	OH-WA-049.0000	55.8	56.1	Drain tiles; size and type unknown
Wayne	OH-WA-050.0000 OH-WA-050.0000-TAR-4-56.2	56.1	56.3	Drain tiles; 4" to 8" plastic and clay; 4' to 5' depth
Medina	OH-ME-001.0000 OH-ME-001.0000-VS	56.6	56.8	Drain tiles; 4" to 8" clay, plastic and wood; 4' to 6' depth
Medina	OH-ME-004.0000	56.8	57.1	Drain tiles; 4" to 8" clay, plastic and wood; 4' to 6' depth
Medina	OH-ME-005.0000	57.1	57.2	Drain tiles; 4" to 8" clay, plastic and wood; 4' to 6' depth
Wayne	OH-WA-058.0000 OH-WA-058.0000-TAR-5-57.5 OH-WA-058.0000-PAR-1-57.5	57.4	57.6	Drain tiles; 4" to 8" unknown tile; 4' to 6' depth
Wayne	OH-WA-059.0000 OH-WA-059.0000-PAR-1-57.5 OH-WA-059.0000-AB-1.5	57.6	57.7	Drain tiles; size and type unknown
Medina	OH-ME-009.0000	57.7	57.9	Drain tiles; 4" to 10" plastic and clay; 4' to 7' depth
Medina	OH-ME-010.0000	57.9	58.0	Drain tiles; 4" to 10" plastic and clay; 4' to 7' depth
Medina	OH-ME-012.0000 OH-ME-012.0000-PAR-1-58.1 OH-ME-012.0000-MLV-5	58.0	58.3	Drain tiles; 4" to 10" plastic and clay; 4' to 7' depth
Medina	OH-ME-014.0000	58.4	58.4	Drain tiles; 4" to 10" plastic and clay; 4' to 6' depth
Medina	OH-ME-015.0000	58.4	58.9	Drain tiles; 4" to 10" plastic and clay; 4' to 6' depth
Medina	OH-ME-016.0000 OH-ME-016.0000-HTAR-1	58.9	59.2	Drain tiles; size and type unknown
Medina	OH-ME-018.0000	59.3	59.4	Drain tiles; size and type unknown
Medina	OH-ME-021.0000	59.5	59.7	Drain tiles; size and type unknown
Medina	OH-ME-023.0000	59.7	59.8	Drain tiles; size and type unknown
Medina	OH-ME-024.0000	59.8	59.8	Drain tiles; size and type unknown
Medina	OH-ME-025.0000	59.8	59.9	Drain tiles; size and type unknown

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Medina	OH-ME-026.0000	59.9	59.9	Drain tiles; size and type unknown
Medina	OH-ME-027.0000	59.9	60.0	Drain tiles; size and type unknown
Medina	OH-ME-028.0000	60.0	60.1	Drain tiles; size and type unknown
Medina	OH-ME-029.0000	60.1	60.3	Drain tiles; size and type unknown
Medina	OH-ME-031.0000	60.3	60.4	Drain tiles; size and type unknown
Medina	OH-ME-032.0000	60.4	60.8	Drain tiles; size and type unknown
Medina	OH-ME-033.0000	60.8	60.8	Drain tiles; size and type unknown
Medina	OH-ME-034.0000	60.8	61.3	Drain tiles; type unknown; 2' to 8' depth
Medina	OH-ME-035.0000	61.3	61.3	Drain tiles; type unknown; 2' to 8' depth
Medina	OH-ME-036.0010	61.3	61.4	Drain tiles; size and type unknown
Medina	OH-ME-037.0000	61.4	61.4	Drain tiles; size and type unknown
Medina	OH-ME-039.0000	61.4	61.4	Drain tiles; size and type unknown
Medina	OH-ME-040.0000	61.4	61.5	Drain tiles; size and type unknown
Medina	OH-ME-041.0000	61.5	61.5	Drain tiles; size and type unknown
Medina	OH-ME-042.0000	61.5	61.5	Drain tiles; size and type unknown
Medina	OH-ME-043.0000	61.5	61.7	Drain tiles; size and type unknown
Medina	OH-ME-044.0000	61.7	62.0	Drain tiles; size and type unknown
Medina	OH-ME-045.0000	62.0	62.1	Drain tiles; 4" clay; 3' depth
Medina	OH-ME-046.0000	62.1	62.6	Drain tiles; size and type unknown
Medina	OH-ME-048.0000	62.6	62.7	Drain tiles; 12" clay
Medina	OH-ME-049.0000	62.7	62.8	Drain tiles; 12" clay
Medina	OH-ME-050.0000	62.8	62.9	Drain tiles; size and type unknown
Medina	OH-ME-051.0000	62.9	62.9	Drain tiles; 12" clay
Medina	OH-ME-053.0000	62.9	63.0	Drain tiles; size and type unknown
Medina	OH-ME-054.0000 OH-ME-054.0000-TAR-2-63.1	63.0	63.2	Drain tiles; 3' plastic; 3' to 6' depth
Medina	OH-ME-056.0000	63.2	63.3	Drain tiles; size and type unknown
Medina	OH-ME-057.0000 OH-ME-057.0000-CS OH-ME-057.0000-PAR-2-63.4	63.3	63.6	Drain tiles; 4" to 6" clay and plastic; 2' to 4' depth
Medina	OH-ME-058.0000	63.6	63.8	Drain tiles; size and type unknown
Medina	OH-ME-059.0000 OH-ME-059.0000-TAR-3-63.8 OH-ME-000.0001-SA-2-SPRD2	63.8	63.8	Drain tiles; size and type unknown
Medina	OH-ME-060.0000	63.8	64.2	Drain tiles; 6" to 12" plastic and clay
Medina	OH-ME-062.0000	64.2	64.3	Drain tiles; 6" to 12" plastic and clay
Medina	OH-ME-063.0000	64.3	64.4	Drain tiles; 6" to 12" plastic and clay
Medina	OH-ME-065.0000	64.4	65.0	Drain tiles; size and type unknown
Medina	OH-ME-066.0000 OH-ME-066.0000-TAR-4-64.9	65.0	65.2	Drain tiles; size unknown, clay; 3' depth
Medina	OH-ME-068.0000	65.2	65.3	Drain tiles; size unknown, clay
Medina	OH-ME-069.0000	65.3	65.3	Drain tiles; size unknown, clay
Medina	OH-ME-070.0000	65.3	65.4	Drain tiles; size unknown, clay
Medina	OH-ME-071.0000	65.4	65.5	Drain tiles; size unknown, clay and plastic; 2' to 4' depth
Medina	OH-ME-072.0000	65.5	65.5	Drain tiles; size and type unknown
Medina	OH-ME-073.0000	65.5	65.6	Drain tiles; size and type unknown
Medina	OH-ME-074.0000	65.6	65.6	Drain tiles; size and type unknown

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Medina	OH-ME-075.0000 OH-ME-075.0000-VS	65.6	65.8	Drain tiles; size and type unknown
Medina	OH-ME-077.0000	65.8	65.9	Drain tiles; size and type unknown
Medina	OH-ME-079.0000	65.9	66.0	Drain tiles; size and type unknown
Medina	OH-ME-081.0000	66.0	66.2	Drain tiles; 4" clay and plastic
Medina	OH-ME-082.0000 OH-ME-082.0000-TAR-4-5-66.4	66.2	66.7	Drain tiles; 4" clay and plastic
Medina	OH-ME-084.0000	66.7	66.9	Drain tiles; size and type unknown
Medina	OH-ME-085.0000	66.9	67.0	Drain tiles; size and type unknown
Medina	OH-ME-086.0000	67.0	67.1	Drain tiles; size and type unknown
Medina	OH-ME-086.0010	67.0	67.1	Drain tiles; size and type unknown
Medina	OH-ME-088.0000	67.1	67.2	Drain tiles; size and type unknown
Medina	OH-ME-089.0000	67.2	67.4	Drain tiles; size and type unknown
Medina	OH-ME-093.0000	67.5	67.6	Drain tiles; size and type unknown
Medina	OH-ME-112.0000 OH-ME-112.0000-TAR-6-68.3 OH-ME-112.0000-TAR-7-68.6	68.6	68.7	Drain tiles; size and type unknown
Medina	OH-ME-114.0000	68.7	68.7	Drain tiles; size unknown, clay
Medina	OH-ME-116.0000	68.8	68.8	Drain tiles; size and type unknown
Medina	OH-ME-123.0000	68.9	68.9	Drain tiles; size and type unknown
Medina	OH-ME-122.0000	68.9	69.0	Drain tiles; size and type unknown
Medina	OH-ME-124.0102-TAR-9-69.5 OH-ME-000.0001-SA-8-SPRD2	69.4	69.4	Drain tiles; size and type unknown
Medina	OH-ME-133.0000	69.9	70.0	Storm drain; equal to or greater than 12"
Medina	OH-ME-135.0000 OH-ME-135.0000-TAR-10-70.1	70.0	70.3	Storm drain; equal to or greater than 12"
Medina	OH-ME-136.0000 OH-ME-000.0001-SA-9-SPRD2 OH-ME-136.0000-TAR-11-70.8a	70.3	70.8	Drain tiles; size and type unknown
Medina	OH-ME-138.0000 OH-ME-138.0000-TAR-12-70.8B	70.8	70.9	Drain tiles; 4" plastic
Medina	OH-ME-140.0000 OH-ME-140.0000-TAR-13-70.9 OH-ME-000.0001-SA-11-SPRD2	70.9	71.1	Drain tiles; 4" plastic
Medina	OH-ME-143.0000	71.3	71.4	Drain tiles; 10" clay and 4' plastic, up to 6' depth; 40' center in crop fields
Medina	OH-ME-144.0000 OH-ME-144.0000-HTAR-2 OH-ME-144.0000-PAR-3-71.8	71.4	71.8	Drain tiles; 10" clay and 4' plastic, up to 6' depth; 40' center in crop fields
Medina	OH-ME-145.0000 OH-ME-145.0000-MLV-6 OH-ME-145.0000-PAR-3-71.8	71.8	71.9	Drain tiles; 10" clay and 4' plastic, up to 6' depth; 40' center in crop fields
Medina	OH-ME-147.0000	71.9	72.5	Drain tiles; 4" plastic
Medina	OH-ME-147.0000-AB-2	71.9	72.5	Drain tiles; 4" plastic
Medina	OH-ME-156.0000 OH-ME-156.0000-TAR-14-72.8 OH-ME-000.0001-SA-12-SPRD2	72.8	72.9	Drain tiles; 4" plastic
Medina	OH-ME-159.0000 OH-ME-159.0000-TAR-15-73.1 OH-ME-000.0001-SA-13-SPRD2 OH-ME-000.0001-SA-14-SPRD2	73.1	73.3	Drain tiles; 4" plastic

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Medina	OH-ME-160.0000 OH-ME-160.0000-TAR-16-73.6	73.3	73.6	Sprinkler system; 4 to 5 drain culverts under; approximately 8' to 10' diameter
Medina	OH-ME-164.0000	73.7	73.9	Drain tiles; size and type unknown
Medina	OH-ME-167.0000	74.0	74.1	Drain tiles; size and type unknown
Medina	OH-ME-169.0000	74.1	74.6	Drain tiles; size and type unknown
Medina	OH-ME-172.0000 OH-ME-172.0000-VS	75.0	75.4	Drain tiles; 10" type unknown; 3' depth
Medina	OH-ME-173.0000	75.4	75.5	Drain tiles; 10" type unknown; 3' depth
Medina	OH-ME-175.0000	75.5	75.6	Drain tiles; size and type unknown
Medina	OH-ME-176.0000	75.6	75.6	Drain tiles; 4" clay
Medina	OH-ME-177.0000 OH-ME-177.0000-TAR-17-75.8 OH-ME-000.0001-SA-15-SPRD2	75.6	76.0	Drain tiles; 4" clay
Medina	OH-ME-178.0000 OH-ME-178.0000-TAR-18-76.1	76.0	76.3	Drain tiles; size and type unknown
Medina	OH-ME-179.0000	76.3	76.3	Drain tiles; size and type unknown
Medina	OH-ME-182.0000	76.5	76.7	Drain tiles; size and type unknown
Medina	OH-ME-183.0000 OH-ME-183.0000-TAR-19-76.8A OH-ME-183.0000-TAR-20-76.8B OH-ME-000.0010-CERT-Y-1-SPRD-2	76.7	77.0	Drain tiles; size unknown, clay; 3' depth
Medina	OH-ME-185.0000	77.0	77.4	Drain tiles; size and type unknown
Medina	OH-ME-186.0000	77.4	77.4	Drain tiles; size and type unknown
Medina	OH-ME-187.0000	77.4	77.7	Drain tiles; size and type unknown
Medina	OH-ME-188.0000	77.7	77.9	Drain tiles; size unknown; clay
Medina	OH-ME-189.0000	77.9	78.0	Drain tiles; size and type unknown
Medina	OH-ME-191.0000	78.0	78.2	Drain tiles; size and type unknown
Medina	OH-ME-192.0000	78.2	78.6	Drain tiles; size and type unknown
Medina	OH-ME-193.0000	78.6	78.6	Drain tiles; size and type unknown
Medina	OH-ME-194.0000	78.6	78.7	Drain tiles; size and type unknown
Medina	OH-ME-195.0000	78.7	79.0	Drain tiles; size and type unknown
Medina	OH-ME-197.0000	79.1	79.2	Drain tiles; size and type unknown
Medina	OH-ME-198.0000	79.1	79.2	Drain tiles; size and type unknown
Medina	OH-ME-199.0000	79.2	79.5	Drain tiles; size and type unknown
Medina	OH-ME-200.0000	79.5	79.6	Drain tiles; size and type unknown
Medina	OH-ME-202.0000	79.6	79.9	Drain tiles; size and type unknown
Medina	OH-ME-203.0000	79.9	80.1	Drain tiles; size and type unknown
Medina	OH-ME-204.0000	80.1	80.2	Drain tiles; size and type unknown
Medina	OH-ME-205.0000	80.2	80.4	Drain tiles; size and type unknown
Medina	OH-ME-206.0000	80.4	80.5	Drain tiles; size and type unknown
Lorain	OH-LO-001.0000	80.5	81.0	Drain tiles; size unknown, plastic
Lorain	OH-LO-002.0000	81.0	81.2	Drain tiles; size and type unknown
Lorain	OH-LO-004.0000	81.2	81.5	Drain tiles; size and type unknown
Lorain	OH-LO-007.0000	81.5	81.7	Drain tiles; size and type unknown
Lorain	OH-LO-008.0000	81.7	81.8	Drain tiles; size and type unknown
Lorain	OH-LO-009.0000	81.8	82.0	Drain tiles; size and type unknown
Lorain	OH-LO-010.0000	82.0	82.2	Drain tiles; size and type unknown
Lorain	OH-LO-011.0000	82.2	82.2	Drain tiles; size and type unknown

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Lorain	OH-LO-012.0000	82.2	82.5	Drain tiles; size and type unknown
Lorain	OH-LO-013.0000	82.5	82.6	Drain tiles; size and type unknown
Lorain	OH-LO-015.0000	82.6	82.7	Drain tiles; size and type unknown
Lorain	OH-LO-018.0000	82.7	83.2	Drain tiles; size and type unknown
Lorain	OH-LO-019.0000	83.2	83.3	Drain tiles; size and type unknown
Lorain	OH-LO-022.0000	83.4	83.7	Drain tiles; 4" plastic and clay; 2.5' depth
Lorain	OH-LO-026.0000	83.9	84.4	Drain tiles; 4" plastic and clay; 2' to 4' depth
Lorain	OH-LO-027.0000	84.4	84.5	Drain tiles; size and type unknown
Lorain	OH-LO-028.0000	84.5	84.7	Drain tiles; size and type unknown
Lorain	OH-LO-030.0000	84.7	84.9	Drain tiles; 4" plastic and clay; 2.5' depth
Lorain	OH-LO-032.0000	85.3	85.3	Drain tiles; 4" plastic and clay; 2.5' depth
Lorain	OH-LO-033.0000 OH-LO-033.0000-TAR-1-85.5	85.2	85.7	Drain tiles; 4" plastic and clay; 2.5' depth
Lorain	OH-LO-033.0010-TAR-1-85.5	85.5	85.5	Drain tiles; size and type unknown
Lorain	OH-LO-034.0000	85.7	85.8	Drain tiles; size and type unknown
Lorain	OH-LO-035.0000 OH-LO-035.0000-AB-3 OH-LO-035.0000-TAR-2-85.9a	85.8	85.9	Drain tiles; size and type unknown
Lorain	OH-LO-037.0000 OH-LO-037.0000-TAR-3-85.8b OH-LO-001.0001-SA-2-SPRD2	85.9	86.2	Drain tiles; size and type unknown
Lorain	OH-LO-038.0000 OH-LO-038.0000-HTAR-1	86.2	86.4	Drain tiles; size and type unknown
Lorain	OH-LO-039.0000 OH-LO-039.0000-HTAR-1	86.4	86.5	Drain tiles; 4" plastic and clay; 2.5' depth
Lorain	OH-LO-040.0000	86.5	86.7	Drain tiles; 4" plastic and clay; 2.5' depth
Lorain	OH-LO-041.0000 OH-LO-041.0000-TAR-4-87.0 OH-LO-000.0001-SA-3-SPRD2	86.7	87.1	Drain tiles; 4" plastic and clay; 2' to 2.5' depth
Lorain	OH-LO-046.0000	87.1	87.3	Drain tiles; 4" plastic and clay; 2.5' depth
Lorain	OH-LO-047.0000	87.3	87.5	Drain tiles; 4" plastic and clay; 2.5' depth
Lorain	OH-LO-048.0000	87.5	87.7	Drain tiles; 4" plastic and clay; 2.5' depth
Lorain	OH-LO-050.0000 OH-LO-050.0000-VS	87.7	88.2	Drain tiles; size and type unknown
Lorain	OH-LO-052.0000	88.2	88.2	Drain tiles; size and type unknown
Lorain	OH-LO-053.0000	88.2	88.4	Drain tiles; size and type unknown
Lorain	OH-LO-054.0000	88.4	88.4	Drain tiles; size and type unknown
Lorain	OH-LO-055.0000	88.4	88.5	Drain tiles; 4" to 6" plastic and clay; 2.5' depth
Lorain	OH-LO-056.0000	88.5	88.5	Drain tiles; 4" to 6" plastic and clay; 2.5' depth
Lorain	OH-LO-057.0000	88.5	88.7	Drain tiles; size and type unknown; 2.5' depth
Lorain	OH-LO-058.0000	88.7	89.1	Drain tiles; size and type unknown; 2.5' depth
Lorain	OH-LO-059.0000	89.1	89.2	Drain tiles; 4" plastic; 2.5' depth
Lorain	OH-LO-062.0000 OH-LO-062.0000-MLV-7 OH-LO-062.0000-PAR-1-89.2	89.2	89.8	Drain tiles; 4" plastic and clay; 2.5' to 3' depth
Lorain	OH-LO-063.0000	89.8	90.2	Drain tiles; 4" plastic and clay; 2.5' depth
Lorain	OH-LO-068.0000	91.2	91.4	Drain tiles; size and type unknown

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Lorain	OH-LO-070.0000	91.4	91.4	Drain tiles; size and type unknown
Lorain	OH-LO-071.0000 OH-LO-071.0000-TAR-5-91.4	91.4	91.8	Drain tiles; size and type unknown
Lorain	OH-LO-071.0010 OH-LO-071.0010-TAR-5-91.4	91.4	91.8	Drain tiles; 4" plastic and clay; 2' to 3' depth
Lorain	OH-LO-072.0000	91.8	91.8	Drain tiles; 4" clay
Lorain	OH-LO-073.0000 OH-LO-073.0000-TAR-6-92.1 OH-LO-000.0001-SA-6-SPRD2	91.8	92.1	Drain tiles; 4" clay
Lorain	OH-LO-074.0000 OH-LO-074.0000-HTAR-2 OH-LO-074.0000-TAR-6-92.1 OH-LO-074.0000-TAR-6.5-92	92.1	92.4	Drain tiles; 4" clay
Lorain	OH-LO-076.0000 OH-LO-076.0000-TAR-7-92.5	92.4	92.7	Drain tiles; size unknown, clay; 3' depth
Lorain	OH-LO-077.0000	92.7	92.8	Drain tiles; 4" plastic
Lorain	OH-LO-078.0000	92.8	93.0	Drain tiles; size and type unknown
Lorain	OH-LO-079.0000	93.0	93.4	Drain tiles; size and type unknown
Lorain	OH-LO-081.0000	93.4	93.4	Drain tiles; 4" plastic and clay; 2' to 3' depth
Lorain	OH-LO-083.0000	93.5	93.6	Drain tiles; 4" clay
Lorain	OH-LO-084.0000	93.6	94.1	Drain tiles; 4" clay
Lorain	OH-LO-085.0000	94.1	94.2	Drain tiles; 4" clay
Lorain	OH-LO-088.0000	94.4	94.6	Drain tiles; 4" clay
Lorain	OH-LO-091.0000	94.6	95.2	Drain tiles; 4" plastic and clay; 3' depth
Lorain	OH-LO-092.0000	95.2	95.4	Drain tiles; 4" plastic and clay; 3' depth
Lorain	OH-LO-094.0000	95.4	95.5	Drain tiles; 4" to 6" plastic; 3' depth
Lorain	OH-LO-095.0000	95.5	95.6	Drain tiles; 4" to 6" plastic; 3' depth
Lorain	OH-LO-096.0000 OH-LO-096.0000-TAR-8-95.7	95.6	95.8	Drain tiles; size and type unknown
Lorain	OH-LO-097.0000	95.8	95.8	Drain tiles; size and type unknown
Lorain	OH-LO-098.0000	95.8	96.0	Drain tiles; 4" to 6" plastic
Lorain	OH-LO-098.0010	95.8	95.8	Drain tiles; size and type unknown
Lorain	OH-LO-098.0020	95.8	96.0	Drain tiles; size and type unknown
Lorain	OH-LO-099.0000	96.0	96.0	Drain tiles; size and type unknown
Lorain	OH-LO-099.0010	96.0	96.0	Drain tiles; size and type unknown
Lorain	OH-LO-100.0000	96.0	96.2	Drain tiles; size and type unknown
Lorain	OH-LO-100.0010	96.0	96.2	Drain tiles; size and type unknown
Lorain	OH-LO-101.0000	96.2	96.3	Drain tiles; size and type unknown
Lorain	OH-LO-101.0010	96.2	96.3	Drain tiles; size and type unknown
Lorain	OH-LO-103.0000	96.4	96.4	Drain tiles; 12" plastic and clay; 1.5' to 4' depth
Lorain	OH-LO-104.0000	96.4	96.7	Drain tiles; size and type unknown
Lorain	OH-LO-105.0000 OH-LO-105.0000-MLV-8 OH-LO-105.0000-PAR-2-96.8	96.7	96.8	Drain tiles; size and type unknown
Lorain	OH-LO-107.0000	96.8	97.0	Drain tiles; size and type unknown
Lorain	OH-LO-108.0000	97.0	97.3	Drain tiles; size and type unknown
Lorain	OH-LO-109.0000	97.3	97.7	Drain tiles; size unknown; clay and plastic
Lorain	OH-LO-111.0000	97.7	98.0	Drain tiles; size and type unknown
Lorain	OH-LO-112.0000	98.0	98.1	Drain tiles; size and type unknown

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Lorain	OH-LO-114.0000	98.1	98.4	Drain tiles; size unknown; clay and plastic
Lorain	OH-LO-118.0000	98.5	98.8	Drain tiles; size and type unknown
Lorain	OH-LO-120.0000 OH-LO-120.0000-TAR-8.1-99.2A	99.1	99.2	Drain tiles; size and type unknown
Lorain	OH-LO-122.0000 OH-LO-122.0000-TAR-8.1-99.2B	99.2	99.6	Drain tiles; size and type unknown
Lorain	OH-LO-123.0000	99.6	99.7	Drain tiles; size and type unknown
Lorain	OH-LO-124.0000 OH-LO-124.0000-AB-4	99.7	100.0	Drain tiles; size and type unknown
Lorain	OH-LO-124.0100-AB-4	99.7	99.7	Drain tiles; size and type unknown
Lorain	OH-LO-126.0000	100.0	100.3	Drain tiles; 4" clay and plastic
Lorain	OH-LO-127.0000	100.3	100.4	Drain tiles; 4" clay and plastic
Lorain	OH-LO-130.0000	100.6	100.7	Drain tiles; 4" clay and plastic
Lorain	OH-LO-131.0000	100.8	101.0	Drain tiles; 4" clay and plastic
Lorain	OH-LO-132.0000	101.0	101.1	Drain tiles; 4" clay and plastic
Lorain	OH-LO-133.0000	101.1	101.3	Drain tiles; 4" clay and plastic
Huron	OH-HU-002.0000	101.3	101.6	Drain tiles; 4" clay and plastic
Huron	OH-HU-003.0000	101.6	101.6	Drain tiles; 4" clay and plastic
Huron	OH-HU-004.0000	101.6	101.8	Drain tiles; 4" clay and plastic
Huron	OH-HU-005.0000	101.8	101.8	Drain tiles; 4" clay and plastic
Huron	OH-HU-006.0000	101.8	102.3	Drain tiles; 4" clay and plastic
Huron	OH-HU-008.0000	102.4	102.9	Drain tiles; 4" clay and plastic
Huron	OH-HU-009.0000	102.9	103.0	Drain tiles; 4" clay and plastic
Huron	OH-HU-010.0000	103.0	103.1	Drain tiles; 4" clay and plastic
Huron	OH-HU-011.0000	103.1	103.2	Drain tiles; 4" clay and plastic
Huron	OH-HU-012.0000	103.2	103.4	Drain tiles; 4" clay and plastic
Huron	OH-HU-013.0000	103.4	103.7	Drain tiles; 4" plastic
Huron	OH-HU-014.0000	103.7	103.9	Drain tiles; 4" clay and plastic
Huron	OH-HU-016.0000	103.9	104.0	Drain tiles; 4" clay and plastic
Huron	OH-HU-017.0000	104.0	104.0	Drain tiles; 4" clay and plastic
Huron	OH-HU-018.0000	104.0	104.2	Drain tiles; 4" clay and plastic
Huron	OH-HU-019.0000	104.2	104.4	Drain tiles; 4" clay and plastic
Huron	OH-HU-020.0000	104.4	104.6	Drain tiles; 4" clay and plastic
Huron	OH-HU-023.0000	104.6	104.7	Drain tiles; size and type unknown
Huron	OH-HU-024.0000	104.7	104.7	Drain tiles; 4" clay and plastic
Erie	OH-ER-001.0000	104.7	104.7	Drain tiles; size and type unknown
Erie	OH-ER-002.0000	104.7	105.0	Drain tiles; size and type unknown
Erie	OH-ER-003.0000	105.0	105.4	Drain tiles; size and type unknown
Erie	OH-ER-004.0000	105.4	105.5	Drain tiles; size unknown; clay and plastic
Erie	OH-ER-005.0000	105.5	105.9	Drain tiles; size unknown; clay and plastic
Erie	OH-ER-007.0000	105.9	105.9	Drain tiles; 4" to 10" plastic; 2.5' to 3' depth
Erie	OH-ER-008.0000	105.9	106.1	Drain tiles; size and type unknown
Erie	OH-ER-010.0000	106.1	106.2	Drain tiles; size and type unknown
Erie	OH-ER-011.0000	106.2	106.5	Drain tiles; size unknown; PVC and clay; 2' depth
Erie	OH-ER-012.0000	106.5	106.6	Drain tiles; size and type unknown
Erie	OH-ER-013.0000	106.6	106.7	Drain tiles; size unknown, clay and plastic
Erie	OH-ER-014.0000	106.7	106.8	Drain tiles; PVC and clay; 2' to 3' depth

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Erie	OH-ER-015.0000	106.8	107.0	Drain tiles; size unknown; clay and plastic
Erie	OH-ER-016.0000	107.0	107.3	Drain tiles; size unknown; clay and plastic
Erie	OH-ER-017.0000	107.3	107.6	Drain tiles; size unknown; clay and plastic
Erie	OH-ER-019.0000	107.6	107.8	Drain tiles; size and type unknown
Erie	OH-ER-020.0000	107.8	108.0	Drain tiles; size unknown; clay and plastic
Erie	OH-ER-021.0000	108.0	108.0	Drain tiles; size and type unknown
Erie	OH-ER-022.0000	108.0	108.4	Drain tiles; size and type unknown
Erie	OH-ER-023.0000	108.4	108.6	Drain tiles; size and type unknown
Erie	OH-ER-022.0010	108.4	108.6	Drain tiles; PVC and clay; 2' to 3' depth
Erie	OH-ER-025.0000	108.7	109.0	Drain tiles; size unknown, clay and plastic
Erie	OH-ER-026.0000	109.0	109.1	Drain tiles; size unknown, clay and plastic
Erie	OH-ER-027.0000	109.1	109.2	Drain tiles; size and type unknown
Erie	OH-ER-028.0000	109.2	109.4	Drain tiles; size and type unknown
Erie	OH-ER-029.0000	109.4	109.6	Drain tiles; PVC and clay; 2' depth
Erie	OH-ER-030.0000	109.6	109.6	Drain tiles; size and type unknown
Erie	OH-ER-031.0000	109.6	109.8	Drain tiles; size and type unknown
Erie	OH-ER-032.0000	109.8	109.8	Drain tiles; size and type unknown
Erie	OH-ER-033.0000	109.8	110.2	Drain tiles; size and type unknown
Erie	OH-ER-034.0000	110.2	110.2	Drain tiles; size and type unknown
Erie	OH-ER-037.0000 OH-ER-037.0000-TAR-1-110.2 OH-ER-000.0001-SA-1-SPRD2	110.3	110.6	Drain tiles; size and type unknown
Erie	OH-ER-040.0000	110.6	110.8	Drain tiles; size and type unknown
Erie	OH-ER-041.0000	110.8	110.8	Drain tiles; size and type unknown
Erie	OH-ER-042.0000	110.8	110.9	Drain tiles; 4" clay and plastic; 2' to 4' depth
Erie	OH-ER-044.0000	111.1	111.4	Drain tiles; 4" clay and plastic; 2' to 4' depth
Erie	OH-ER-046.0000	111.4	111.5	Drain tiles; 4" clay and plastic; 3' to 4' depth
Erie	OH-ER-047.0000 OH-ER-047.0000-TAR-2-111.6	111.5	111.7	Drain tiles; size and type unknown
Erie	OH-ER-053.0000	111.9	111.9	Drain tiles; size and type unknown
Erie	OH-ER-055.0000	111.9	112.1	Drain tiles; size and type unknown
Erie	OH-ER-059.0000	112.1	112.4	Drain tiles; 4" to 8" plastic
Erie	OH-ER-060.0000	112.4	112.9	Drain tiles; 8" to 10" plastic; 2' to 4' depth
Erie	OH-ER-061.0000	112.9	113.1	Drain tiles; size and type unknown
Erie	OH-ER-061.0010	113.1	113.1	Drain tiles; size and type unknown
Erie	OH-ER-062.0010	113.1	113.3	Drain tiles; size and type unknown
Erie	OH-ER-063.0000	113.1	113.3	Drain tiles; size and type unknown
Erie	OH-ER-064.0000	113.3	113.8	Drain tiles; 4" to 8" clay and plastic; 2' to 3' depth
Erie	OH-ER-067.0000	114.0	114.4	Drain tiles; 4" to 6" clay and plastic; 2' to 3' depth
Erie	OH-ER-068.0000	114.4	114.6	Drain tiles; 4" to 6" clay and plastic; 2' to 3' depth
Erie	OH-ER-070.0000 OH-ER-070.0000-AB-5	114.6	114.8	Drain tiles; 4" clay and plastic; 3' depth
Erie	OH-ER-071.0000	114.8	115.0	Drain tiles; 4" to 8" plastic and clay; 2.5' to 3' depth
Erie	OH-ER-073.0000	115.0	115.2	Drain tiles; 4" to 8" plastic and clay; 2.5' to 3' in depth

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Erie	OH-ER-074.0000	115.2	115.4	Drain tiles; 4" to 8" plastic and clay; 3' depth
Erie	OH-ER-075.0000	115.4	115.6	Drain tiles; size and type unknown
Erie	OH-ER-076.0000 OH-ER-076.0000-TAR-3-115.8 OH-ER-000.0001-SA-2-SPRD2	115.6	115.9	Drain tiles; 4" to 6" clay and 7" plastic; 3' depth
Erie	OH-ER-078.0000 OH-ER-078.0000-TAR-4-115.9 OH-ER-000.0001-SA-2.5-SPRD2	115.9	116.1	Drain tiles; size and type unknown
Erie	OH-ER-080.0000	115.9	116.3	Drain tiles; 4" to 6" clay and 7" plastic; 3' depth
Erie	OH-ER-082.0000 OH-ER-082.0000-MLV-9 OH-ER-082.0000-PAR-1-116.3 OH-ER-000.0001-SA-4-SPRD2 OH-ER-082.0000-TAR-5-116.5	116.3	116.5	Drain tiles; 4" to 6" clay and 7" plastic; 3' depth
Erie	OH-ER-083.0000	116.5	116.5	Drain tiles; size and type unknown
Erie	OH-ER-085.0000	116.6	116.7	Drain tiles; size and type unknown
Erie	OH-ER-086.0000 OH-ER-086.0000-TAR-6-116.8	116.7	116.9	Drain tiles; size and type unknown
Erie	OH-ER-087.0000	116.9	116.9	Drain tiles; 4" plastic
Erie	OH-ER-091.0000 OH-ER-091.0000-TAR-7-117.6 OH-ER-000.0001-SA-5-SPRD2	117.2	117.7	Drain tiles; 4" plastic
Erie	OH-ER-092.0000 OH-ER-092.0000-TAR-8-117.8	117.7	118.1	Drain tiles; 4" plastic and clay
Erie	OH-ER-096.0000	118.3	118.4	Drain tiles; size and type unknown
Erie	OH-ER-101.0000	119.2	119.4	Drain tiles; size and type unknown
Erie	OH-ER-102.0010	119.4	119.4	Drain tiles; size and type unknown
Erie	OH-ER-104.0000	119.4	119.5	Drain tiles; 4" plastic
Erie	OH-ER-106.0000 OH-ER-106.0000-TAR-10-119.8	119.5	119.8	Drain tiles; 4" to 6" clay and plastic
Erie	OH-ER-106.0010 OH-ER-106.0010-TAR-10-119.8	119.5	120.0	Drain tiles; 4" to 6" clay and plastic
Erie	OH-ER-107.0000	119.8	120.1	Drain tiles; 4" and 6" clay
Erie	OH-ER-108.0000	120.0	120.1	Drain tiles; 4" plastic
Erie	OH-ER-109.0000 OH-ER-109.0000-VS	120.1	120.3	Drain tiles; 4" and 6" clay
Erie	OH-ER-110.0000	120.3	120.4	Drain tiles; size unknown, clay
Erie	OH-ER-113.0000	120.9	121.3	Drain tiles; 4" to 6" clay and plastic
Erie	OH-ER-114.0000	121.3	121.6	Drain tiles; 4" to 6" clay and plastic
Erie	OH-ER-115.0000	121.6	122.1	Drain tiles; 4" clay; 2' depth
Erie	OH-ER-116.0000	122.1	122.7	Drain tiles; size and type unknown
Erie	OH-ER-118.0000	122.1	122.3	Drain tiles; 4" to 6" clay and plastic
Erie	OH-ER-119.0000	122.1	122.3	Drain tiles; size and type unknown
Erie	OH-ER-120.0000	122.3	122.5	Drain tiles; size and type unknown
Erie	OH-ER-121.0000	122.5	122.7	Drain tiles; size and type unknown
Erie	OH-ER-122.0000	122.7	123.1	Drain tiles; 6" and 8" plastic and clay
Erie	OH-ER-123.0000	123.1	123.2	Drain tiles; 6" and 8" plastic and clay
Erie	OH-ER-125.0000 OH-ER-125.0000-HTAR-2 OH-ER-125.0000-TAR-11-124.0	123.3	123.6	Drain tiles; 4" to 6" clay and plastic

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Erie	OH-ER-128.0000 OH-ER-128.0000-TAR-11-124.0	123.6	124.0	Drain tiles; 4" to 6" clay and plastic
Erie	OH-ER-129.0000	124.0	124.4	Drain tiles; 4" to 8" clay and plastic
Erie	OH-ER-130.0000	124.4	124.8	Drain tiles; 4" to 6" clay and plastic
Erie	OH-ER-132.0000 OH-ER-132.0000-MLV-10 OH-ER-132.0000-PAR-2-124.8	124.8	124.9	Drain tiles; 4" to 6" clay and plastic
Erie	OH-ER-133.0000	124.9	125.4	Drain tiles; 4" to 8" clay and plastic
Erie	OH-ER-134.0000	125.4	125.7	Drain tiles; 4" to 6" plastic
Erie	OH-ER-135.0000	125.7	125.8	Drain tiles; 4" to 6" plastic
Erie	OH-ER-141.0000	125.9	126.2	Drain tiles; size and type unknown
Erie	OH-ER-142.0000	126.1	126.2	Drain tiles; size and type unknown
Erie	OH-ER-144.0000	126.3	126.7	Drain tiles; size and type unknown
Erie	OH-ER-144.0020	126.5	126.7	Drain tiles; size and type unknown
Erie	OH-ER-146.0000	126.7	126.8	Drain tiles; size and type unknown
Erie	OH-ER-146.0010	126.7	126.8	Drain tiles; size and type unknown
Erie	OH-ER-146.0020	126.7	126.8	Drain tiles; size and type unknown
Erie	OH-ER-147.0000	126.8	127.3	Drain tiles; size and type unknown
Erie	OH-ER-148.0000	127.3	127.3	Drain tiles; size and type unknown
Erie	OH-ER-149.0000	127.3	127.3	Drain tiles; size and type unknown
Erie	OH-ER-150.0000	127.3	127.6	Drain tiles; size and type unknown
Erie	OH-ER-150.0100	127.6	127.7	Drain tiles; size and type unknown
Erie	OH-ER-153.0000	127.8	127.9	Drain tiles; size and type unknown
Erie	OH-ER-154.0000 OH-ER-154.0000-TAR-12-128.3 OH-ER-000.0001-SA-7-SPRD2	127.9	128.3	Drain tiles; size and type unknown
Erie	OH-ER-158.0000 OH-ER-158.0000-MR OH-ER-158.0000-PAR-3-128.8 OH-ER-158.0000-VS	128.7	128.8	Drain tiles; size and type unknown
Erie	OH-ER-160.0000 OH-ER-160.0000-TAR-14-128.9 OH-ER-000.0001-SA-8-SPRD2	128.8	129.2	Drain tiles; size and type unknown
Erie	OH-ER-161.0000	129.2	129.6	Drain tiles; size and type unknown
Erie	OH-ER-162.0000	129.6	129.7	Drain tiles; size and type unknown
Erie	OH-ER-163.0000 OH-ER-163.0000-AB-6	129.7	130.0	Drain tiles; size and type unknown
Erie	OH-ER-165.0000	130.1	130.2	Drain tiles; size and type unknown
Erie	OH-ER-166.0000	130.2	130.4	Drain tiles; size and type unknown
Erie	OH-ER-167.0000	130.4	130.5	Drain tiles; size and type unknown
Erie	OH-ER-168.0000	130.5	130.6	Drain tiles; size and type unknown
Erie	OH-ER-169.0000	130.6	130.8	Drain tiles; size and type unknown
Erie	OH-ER-171.0000	130.8	131.1	Drain tiles; size and type unknown
Erie	OH-ER-172.0000	131.1	131.5	Drain tiles; size and type unknown
Sandusky	OH-SA-002.0000 OH-SA-000.0001-SA-1-SPRD2	131.5	131.7	Drain tiles; size and type unknown
Sandusky	OH-SA-003.0000	131.7	131.9	Drain tiles; size and type unknown
Sandusky	OH-SA-004.0000	131.9	132.0	Drain tiles; 2' to 5' point wells
Sandusky	OH-SA-005.0000	132.0	132.1	Drain tiles; 2" to 10" clay and plastic

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Sandusky	OH-SA-006.0000	132.1	132.2	Drain tiles; 2" to 10" clay and plastic
Sandusky	OH-SA-007.0000	132.2	132.5	Drain tiles; 2" to 10" clay and plastic
Sandusky	OH-SA-008.0000 OH-SA-008.0000-TAR-1-132.7 OH-SA-000.0001-SA-2-SPRD2	132.5	132.7	Drain tiles; 2" to 10" clay
Sandusky	OH-SA-010.0000	132.7	132.8	Drain tiles; 4" to 8" clay and plastic; 2' to 4' depth
Sandusky	OH-SA-011.0000	132.8	133.1	Drain tiles; size unknown; clay
Sandusky	OH-SA-012.0000 OH-SA-012.0000-TAR-2-133.3 OH-SA-000.0001-SA-3-SPRD3	133.1	133.4	Drain tiles; 4" to 8" plastic
Sandusky	OH-SA-014.0000	133.4	133.5	Drain tiles; 4" plastic; 1.5' to 2' depth
Sandusky	OH-SA-013.0100	133.5	133.7	Drain tiles; size and type unknown
Sandusky	OH-SA-016.0000	133.5	133.9	Drain tiles; 6" clay; 2.5' depth
Sandusky	OH-SA-017.0010 OH-SA-017.0010-CS	133.9	134.1	Drain tiles; 4" clay, plastic, and concrete; 3' to 5' depth
Sandusky	OH-SA-017.0020 OH-SA-017.0020-CS	133.9	134.1	Drain tiles; 4" clay, plastic, and concrete; 3' to 5' depth
Sandusky	OH-SA-017.0000 OH-SA-017.0000-CS OH-SA-017.0000-PAR-0.5-134.1	133.9	134.1	Drain tiles; 4" clay, plastic, and concrete; 3' to 5' depth
Sandusky	OH-SA-019.0000	134.1	134.4	Drain tiles; 4" clay, plastic, and concrete; 3' to 5' depth
Sandusky	OH-SA-019.0010	134.1	134.4	Drain tiles; size and type unknown
Sandusky	OH-SA-022.0000	134.6	135.4	Drain tiles; 4" to 8" plastic; 2.5' depth
Sandusky	OH-SA-024.0000	135.4	135.9	Drain tiles; size and type unknown
Sandusky	OH-SA-025.0000	135.9	136.4	Drain tiles; 4" to 8" plastic; 2.5' depth
Sandusky	OH-SA-027.0000	136.4	136.9	Drain tiles; up to 10" plastic and clay
Sandusky	OH-SA-028.0000	136.9	137.4	Drain tiles; 4" plastic; 2.5' depth
Sandusky	OH-SA-030.0000	137.4	137.5	Drain tiles; size unknown; plastic and clay
Sandusky	OH-SA-031.0000	137.5	137.9	Drain tiles; size and type unknown
Sandusky	OH-SA-032.0000	137.9	138.0	Drain tiles; 4" plastic; 2.5' depth
Sandusky	OH-SA-033.0000	138.0	138.3	Drain tiles; size and type unknown
Sandusky	OH-SA-034.0000	138.3	138.4	Drain tiles; 4" plastic; 2.5' depth
Sandusky	OH-SA-035.0000	138.4	138.6	Drain tiles; 4" clay
Sandusky	OH-SA-037.0000	138.6	138.7	Drain tiles; size and type unknown
Sandusky	OH-SA-038.0000 OH-SA-038.0000-TAR-3-138.7 OH-SA-000.0001-SA-4-SPRD3	138.7	137.9	Drain tiles; size and type unknown
Sandusky	OH-SA-039.0000	138.8	139.1	Drain tiles; size and type unknown
Sandusky	OH-SA-040.0000	139.1	139.3	Drain tiles; size and type unknown
Sandusky	OH-SA-042.0000	139.3	139.5	Drain tiles; size and type unknown
Sandusky	OH-SA-042.0010	139.3	139.5	Drain tiles; size and type unknown
Sandusky	OH-SA-043.0000	139.5	139.6	Drain tiles; size and type unknown
Sandusky	OH-SA-045.0000	139.6	139.8	Drain tiles; 4" clay and plastic
Sandusky	OH-SA-047.0000	139.9	139.9	Drain tiles; 4" to 6" corrugated
Sandusky	OH-SA-048.0000	139.9	140.1	Drain tiles; 4" and 8" clay; 3' depth
Sandusky	OH-SA-050.0000	140.1	140.7	Drain tiles; size and type unknown
Sandusky	OH-SA-052.0000	140.7	140.7	Drain tiles; 4" and 8" plastic; 2.7' depth
Sandusky	OH-SA-054.0000	140.8	141.3	Drain tiles; 4" and 8" plastic; 2.5' depth

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Sandusky	OH-SA-056.0000	141.3	141.6	Drain tiles; 4" plastic; 2' depth
Sandusky	OH-SA-059.0000	141.6	141.9	Drain tiles; 4" plastic; 2' depth
Sandusky	OH-SA-061.0000	141.9	142.2	Drain tiles; 4" plastic; 2' depth
Sandusky	OH-SA-062.0000	142.2	142.5	Drain tiles; 4" and 8" plastic and clay; 3' depth
Sandusky	OH-SA-063.0000	142.5	142.6	Drain tiles; 4" and 8" plastic and clay; 3' depth
Sandusky	OH-SA-064.0000	142.6	142.7	Drain tiles; 4" and 8" plastic and clay; 3' depth
Sandusky	OH-SA-065.0000	142.7	142.7	Drain tiles; 4",6", and 8" plastic; 2.5' depth
Sandusky	OH-SA-067.0000	142.7	142.8	Drain tiles; 4",6", and 8" plastic; 2.5' depth
Sandusky	OH-SA-068.0000	142.8	143.0	Drain tiles; 4",6", and 8" plastic; 2.5' depth
Sandusky	OH-SA-072.0000	143.3	143.5	Drain tiles; size unknown; clay
Sandusky	OH-SA-073.0000	143.5	143.7	Drain tiles; size unknown; clay
Sandusky	OH-SA-076.0000	143.9	144.2	Drain tiles; 4" and 8" plastic; 3' depth
Sandusky	OH-SA-077.0000	144.2	144.3	Drain tiles; size and type unknown
Sandusky	OH-SA-078.0000	144.3	144.4	Drain tiles; size and type unknown
Sandusky	OH-SA-080.0000	144.4	144.7	Drain tiles; 4" and 8" plastic; 3' depth
Sandusky	OH-SA-081.0000 OH-SA-081.0000-AB-1	144.7	145.2	Drain tiles; 4" and 8" plastic; 3' depth
Sandusky	OH-SA-100.0000	146.6	146.7	Drain tiles; 6", 8", and 10" plastic
Sandusky	OH-SA-101.0000	146.7	147.0	Drain Tile; 4" clay, concrete, and plastic
Sandusky	OH-SA-102.0000	147.0	147.2	Drain tiles; 6" clay; 2.7' depth
Sandusky	OH-SA-105.0000	147.5	147.6	Drain tiles; 4" and 8" plastic; 2.5' depth
Sandusky	OH-SA-107.0000 OH-SA-107.0000-TAR-7-147.7 OH-SA-000.0001-SA-5-SPRD3	147.6	147.7	Drain tiles; 4" to 8" clay; 3' in depth
Sandusky	OH-SA-108.0000	147.7	148.1	Drain tiles; size and type unknown
Sandusky	OH-SA-109.0000	148.1	148.2	Drain tiles; 4" plastic; 2.7' depth
Sandusky	OH-SA-110.0000	148.2	148.3	Drain tiles; 4" plastic; 2.7' depth
Sandusky	OH-SA-112.0000	148.3	148.8	Drain tiles; 4" plastic; 2.7' depth
Sandusky	OH-SA-113.0000	148.8	149.0	Drain tiles; 4" and 8" clay and concrete; 2.7' depth
Sandusky	OH-SA-114.0000	149.0	149.3	Drain tiles; 4" and 8" clay and concrete; 2.7' depth
Sandusky	OH-SA-115.0000	149.3	149.4	Drain tiles; 4" and 8" clay and concrete; 2.7' depth
Sandusky	OH-SA-116.0000	149.4	149.6	Drain tiles; size and type unknown
Sandusky	OH-SA-118.0000	149.6	149.8	Drain tiles; size and type unknown
Sandusky	OH-SA-119.0000	149.8	150.0	Drain tiles; size and type unknown
Sandusky	OH-SA-120.0000	150.0	150.3	Drain tiles; 4" plastic; 3' depth
Sandusky	OH-SA-122.0000	150.3	150.5	Drain tiles; 4" plastic; 2' depth
Sandusky	OH-SA-122.0010	150.3	150.5	Drain tiles; 4" plastic; 3' depth
Sandusky	OH-SA-123.0000	150.5	150.7	Drain tiles; 4" plastic; 2.7' depth
Sandusky	OH-SA-125.0000	150.7	151.2	Drain tiles; 4" to 8" plastic; 2.5' depth
Sandusky	OH-SA-126.0000	151.2	151.3	Drain tiles; size and type unknown
Sandusky	OH-SA-128.0000	151.3	151.4	Drain tiles; size and type unknown
Sandusky	OH-SA-129.0000	151.4	151.5	Drain tiles; 4" and 8" plastic; 2.8' depth
Sandusky	OH-SA-130.0000	151.5	151.7	Drain tiles; size and type unknown

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Sandusky	OH-SA-132.0000 OH-SA-132.0000-MLV-11 OH-SA-132.0000-PAR-1.5-151.7	151.7	151.8	Drain tiles; 4" plastic; 2.7' depth
Sandusky	OH-SA-134.0000	151.9	152.2	Drain tiles; 4" clay and plastic; 3.3' depth
Sandusky	OH-SA-135.0000	152.2	152.5	Drain tiles; 8" plastic; 2.5' depth
Sandusky	OH-SA-136.0000	152.5	152.7	Drain tiles; 4" and 8" plastic; 3' depth
Sandusky	OH-SA-137.0000	152.7	152.7	Drain tiles; 4" and 8" plastic; 3' depth
Sandusky	OH-SA-139.0000	152.7	152.9	Drain tiles; 4" clay
Sandusky	OH-SA-140.0000	152.9	153.0	Drain tiles; 4" plastic; 2' depth
Sandusky	OH-SA-141.0000	153.0	153.2	Drain tiles; 4" plastic; 2' depth
Sandusky	OH-SA-142.0000	153.2	153.5	Drain tiles; size and type unknown
Sandusky	OH-SA-143.0000	153.5	153.7	Drain tiles; 4" plastic; 2.7' depth
Sandusky	OH-SA-145.0000	153.8	154.0	Drain tiles; 4" plastic; 2.7' depth
Sandusky	OH-SA-146.0000	154.0	154.1	Drain tiles; 4" plastic; 2.5' depth
Sandusky	OH-SA-147.0000	154.1	154.1	Drain tiles; 4" plastic
Sandusky	OH-SA-150.0000	154.3	154.6	Drain tiles; 4" clay; 1.7' depth
Sandusky	OH-SA-151.0000	154.6	154.7	Drain tiles; size and type unknown
Sandusky	OH-SA-153.0000	154.7	154.8	Drain tiles; size and type unknown
Sandusky	OH-SA-154.0000	154.8	154.9	Drain tiles; size and type unknown
Sandusky	OH-SA-155.0000	154.9	155.0	Drain tiles; size and type unknown
Sandusky	OH-SA-156.0000 OH-SA-156.0000-TAR-8-155.1 OH-SA-000.0001-SA-6-SPRD3	155.0	155.4	Drain tiles; 10" clay main, 4" to 6" plastic
Sandusky	OH-SA-157.0000	155.4	155.6	Drain tiles; size and type unknown
Sandusky	OH-SA-158.0000	155.6	155.6	Drain tiles; size unknown, plastic
Sandusky	OH-SA-159.0000	155.6	155.9	Drain tiles; 4" plastic
Sandusky	OH-SA-161.0000	155.9	156.3	Drain tiles; size and type unknown
Sandusky	OH-SA-163.0000	156.4	156.6	Drain tiles; size and type unknown
Sandusky	OH-SA-164.0000	156.6	156.9	Drain tiles; 4" plastic; 3' to 4' depth
Sandusky	OH-SA-165.0000	156.9	157.1	Drain tiles; size unknown – possible 6" clay
Sandusky	OH-SA-167.0000	157.1	157.4	Drain tiles; size and type unknown
Sandusky	OH-SA-171.0000	157.7	157.9	Drain tiles; size and type unknown
Sandusky	OH-SA-174.0000	158.2	158.4	Drain tiles; 6" clay; 2' depth
Sandusky	OH-SA-175.0000 OH-SA-175.0000-TAR-9-158.6	158.4	158.6	Drain tiles; 4" clay and plastic; 2' to 3' depth
Sandusky	OH-SA-176.0000 OH-SA-176.0000-TAR-9-158.6 OH-SA-000.0001-SA-7.1-SPRD3	158.6	158.9	Drain tiles; 4" clay and plastic; 2' to 3' depth
Sandusky	OH-SA-177.0000 OH-SA-177.0000-AB-2	158.9	159.0	Drain tiles; 2" and 4" clay; 2' depth
Sandusky	OH-SA-179.0000 OH-SA-179.0000-PAR-9.1-159.3	159.0	159.2	Drain tiles; 4" clay and plastic; 2' to 4' depth
Sandusky	OH-SA-180.0000 OH-SA-180.0000-PAR-9.1-159.3 OH-SA-180.0000-MR OH-SA-180.0000-VS	159.2	159.4	Drain tiles; 4" clay and plastic; 2' to 4' depth
Sandusky	OH-SA-181.0000	159.4	159.4	Drain tiles; 2" and 4" clay; 2' depth
Sandusky	OH-SA-189.0000/	160.3	160.4	Drain tiles; 8" plastic; 2' to 3' depth
Sandusky	OH-SA-190.0000	160.4	160.8	Drain tiles; 8" plastic; 2' to 3' depth
Sandusky	OH-SA-191.0000	160.8	160.8	Drain tiles; size and type unknown

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Sandusky	OH-SA-192.0000	160.8	161.1	Drain tiles; size unknown; clay
Sandusky	OH-SA-194.0000	161.1	161.4	Drain tiles; size unknown; clay
Sandusky	OH-SA-195.0000	161.4	161.4	Drain tiles; 6" and 8" plastic; 3' depth
Sandusky	OH-SA-196.0000	161.4	161.4	Drain tiles; 6" and 8" plastic; 3' depth
Sandusky	OH-SA-197.0000	161.4	161.7	Drain tiles; 6" and 8" plastic; 3' depth
Sandusky	OH-SA-198.0000	161.7	161.9	Drain tiles; 4" clay and plastic; 3' depth
Sandusky	OH-SA-200.0000	161.9	162.2	Drain tiles; 4" clay; 3' depth
Sandusky	OH-SA-201.0000	162.2	162.4	Drain tiles; 6" and 8" plastic; 3' depth
Sandusky	OH-SA-204.0000 OH-SA-204.0000-HTAR-1	162.4	162.5	Drain tiles; size and type unknown
Sandusky	OH-SA-207.0000	162.5	162.8	Drain tiles; 6" clay; 2' depth
Sandusky	OH-SA-208.0000	162.8	162.9	Drain tiles; 4" clay; 1.5' depth
Sandusky	OH-SA-212.0000	163.1	163.2	Drain tiles; 4" and 8" plastic and clay; 2' to 4' depth
Sandusky	OH-SA-216.0000	163.6	163.6	Drain tiles; 4" clay; 2' to 4' depth
Sandusky	OH-SA-217.0000	163.6	163.7	Drain tiles; 4" clay; 2' to 4' depth
Sandusky	OH-SA-218.0000	163.7	163.7	Drain tiles; 4" clay; 2.5' depth
Wood	OH-WO-002.0000	163.7	164.0	Drain tiles; 4" clay
Wood	OH-WO-002.0010	163.7	163.8	Drain tiles; 4" to 6" clay; 2' to 3' depth
Wood	OH-WO-003.0000 OH-WO-003.0000-TAR-1-163.9 OH-WO-000.0001-SA-1-SPRD3	163.8	164.0	Drain tiles; 3" to 4" clay; 3' to 4' depth
Wood	OH-WO-004.0000	164.0	164.1	Drain tiles; size and type unknown
Wood	OH-WO-005.0000	164.1	164.2	Drain tiles; size and type unknown
Wood	OH-WO-006.0000	164.2	164.5	Drain tiles; 4" plastic
Wood	OH-WO-009.0000	164.7	164.9	No drain tile on the south side of existing pipeline
Wood	OH-WO-011.0000	165.0	165.1	Drain tiles; size and type unknown
Wood	OH-WO-013.0000	165.1	165.2	Drain tiles; size and type unknown
Wood	OH-WO-014.0000	165.2	165.4	Drain tiles; size and type unknown
Wood	OH-WO-014.0010	165.2	165.4	Drain tiles; size and type unknown
Wood	OH-WO-015.0000 OH-WO-015.0000-TAR-2-165.5	165.4	165.6	Drain tiles; 4" plastic; 3' depth
Wood	OH-WO-016.0000	165.6	165.7	Drain tiles; 4" and 6" clay and plastic
Wood	OH-WO-017.0000	165.7	165.8	Drain tiles; 4" and 6" plastic
Wood	OH-WO-018.0000	165.8	166.0	Drain tiles; 4" plastic
Wood	OH-WO-021.0000	166.1	166.1	Drain tiles; size and type unknown
Wood	OH-WO-022.0000 OH-WO-022.0000-VS	166.1	166.6	Drain tiles; size and type unknown
Wood	OH-WO-023.0000	166.6	166.7	Drain tiles; size and type unknown
Wood	OH-WO-024.0000 OH-WO-024.0000-TAR-3-166.8	166.7	166.7	Drain tiles; size and type unknown
Wood	OH-WO-026.0000	166.8	167.2	Drain tiles; size and type unknown
Wood	OH-WO-028.0000	167.2	167.4	Drain tiles; size and type unknown
Wood	OH-WO-029.0000	167.4	167.8	Drain tiles; size and type unknown
Wood	OH-WO-029.0010	167.4	167.4	Drain tiles; 4" clay and concrete; 3' depth
Wood	OH-WO-030.0000	167.7	167.8	Drain tiles; size and type unknown

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Wood	OH-WO-031.0000 OH-WO-031.0000-PAR-1-167.8 OH-WO-031.0000-MLV-12	167.8	167.8	Drain tiles; 4" plastic; 2.5' to 3' depth
Wood	OH-WO-033.0000	167.8	168.0	Drain tiles; 4" clay; 2.5' to 3' depth
Wood	OH-WO-034.0000	168.0	168.1	Drain tiles; 4" clay; 2.5' to 3' depth
Wood	OH-WO-035.0000	168.1	168.2	Drain tiles; 4" clay; 2.5' to 3' depth
Wood	OH-WO-036.0000	168.2	168.3	Drain tiles; 4" clay; 2.5' to 3' depth
Wood	OH-WO-037.0000	168.3	168.4	Drain tiles; 4" clay; 3.5' depth
Wood	OH-WO-039.0000	168.4	168.4	Drain tiles; 4" clay; 3.5' depth
Wood	OH-WO-040.0000	168.4	168.9	Drain tiles; size unknown, clay and concrete; 4' depth
Wood	OH-WO-041.0000	168.9	169.4	Drain tiles; 4" clay
Wood	OH-WO-043.0000	169.4	169.9	Drain tiles; 4" plastic
Wood	OH-WO-044.0000	169.9	170.2	Drain tiles; 4" plastic
Wood	OH-WO-045.0000 OH-WO-045.0000-VS	170.2	170.4	Drain tiles; 4" plastic
Wood	OH-WO-047.0000	170.4	170.7	Drain tiles; 4" to 8"; type unknown
Wood	OH-WO-049.0000	170.7	170.8	Drain tiles; size and type unknown
Wood	OH-WO-051.0000	170.8	170.9	Drain tiles; size and type unknown
Wood	OH-WO-052.0000	170.9	170.9	Drain tiles; size and type unknown
Wood	OH-WO-053.0000 OH-WO-053.0000-TAR-4-171.2	170.9	171.2	Drain tiles; size and type unknown
Wood	OH-WO-054.0000 OH-WO-054.0000-TAR-4-171.2 OH-WO-000.0001-SA-5-SPRD3	171.2	171.4	Drain tiles; 4" plastic
Wood	OH-WO-055.0000	171.4	171.4	Drain tiles; 4" plastic
Wood	OH-WO-057.0000	171.4	171.7	Drain tiles; 4" clay and plastic
Wood	OH-WO-058.0000	171.4	171.7	Drain tiles; 4" plastic
Wood	OH-WO-059.0000	171.7	171.8	Drain tiles; 4" clay and plastic
Wood	OH-WO-060.0000	171.8	171.8	Drain tiles; 4" clay and plastic
Wood	OH-WO-061.0000	171.8	171.9	Drain tiles; 3" to 6" clay, plastic, and cement
Wood	OH-WO-062.0000	171.9	172.0	Drain tiles; size and type unknown
Wood	OH-WO-063.0000	172.0	172.2	Drain tiles; 4" clay and plastic
Wood	OH-WO-064.0000	172.2	172.2	Drain tiles; size unknown, clay and plastic
Wood	OH-WO-065.0000	172.2	172.3	Drain tiles; size unknown, clay and plastic
Wood	OH-WO-066.0000	172.3	172.5	Drain tiles; 4" clay, concrete, and plastic
Wood	OH-WO-067.0000	172.5	172.5	Drain tiles; size and type unknown
Wood	OH-WO-068.0000	172.5	172.6	Drain tiles; size and type unknown
Wood	OH-WO-070.0000	172.6	172.8	Drain tiles; 4" clay, concrete, and plastic
Wood	OH-WO-071.0000	172.8	172.9	Drain tiles; 4" plastic
Wood	OH-WO-072.0000	172.9	173.0	Drain tiles; 4" plastic
Wood	OH-WO-073.0000	173.0	173.3	Drain tiles; 4" plastic
Wood	OH-WO-076.0010	173.4	173.5	Drain tiles; size and type unknown
Wood	OH-WO-079.0000	173.6	173.7	Drain tiles; 4" plastic
Wood	OH-WO-084.0000	174.0	174.0	Drain tiles; 4" to 10" clay
Wood	OH-WO-085.0000	174.0	174.2	Drain tiles; 4" to 10" clay
Wood	OH-WO-086.0000	174.2	174.5	Drain tiles; 4" plastic

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Wood	OH-WO-088.0000 OH-WO-088.0000-AB-3 OH-WO-088.0000-TAR-6-174.5	174.5	174.6	Drain tiles; 4" plastic
Wood	OH-WO-088.0100-AB-3	174.5	174.6	Drain tiles; 4" plastic
Wood	OH-WO-089.0000	174.6	174.7	Drain tiles; 4" plastic
Wood	OH-WO-090.0000	174.7	174.7	Drain tiles; 4" plastic
Wood	OH-WO-091.0000	174.7	174.9	Drain tiles; 4" plastic
Wood	OH-WO-092.0000 OH-WO-000.0001-SA-6-SPRD3	174.9	175.0	Drain tiles; size and type unknown
Wood	OH-WO-093.0000 OH-WO-093.0000-TAR-7-175.1 OH-WO-000.0001-SA-6.1-SPRD3	175.0	175.1	Drain tiles; size and type unknown
Wood	OH-WO-095.0000	175.2	175.2	Drain tiles; size and type unknown
Wood	OH-WO-096.0000	175.2	175.4	Drain tiles; size and type unknown
Wood	OH-WO-097.0000	175.4	175.4	Drain tiles; 4" clay, concrete, and plastic
Wood	OH-WO-099.0000	175.4	175.6	Drain tiles; size unknown, plastic
Wood	OH-WO-101.0000	175.6	176.1	Drain tiles; 4" to 6" plastic
Wood	OH-WO-102.0000	176.1	176.2	Drain tiles; 4" to 6" plastic
Wood	OH-WO-103.0000	176.2	176.6	Drain tiles; size unknown; clay
Wood	OH-WO-105.0000	176.6	176.8	Drain tiles; 4" clay and plastic
Wood	OH-WO-106.0000	176.8	176.9	Drain tiles; 4" clay and plastic
Wood	OH-WO-107.0000	176.9	176.9	Drain tiles; 4" clay and plastic
Wood	OH-WO-108.0000	176.9	177.0	Drain tiles; 4" clay and plastic
Wood	OH-WO-109.0000	177.0	177.0	Drain tiles; 4" clay and plastic
Wood	OH-WO-110.0000	177.0	177.3	Drain tiles; 4" to 6" plastic
Wood	OH-WO-112.0000	177.3	177.7	Drain tiles; size and type unknown
Wood	OH-WO-113.0000	177.7	177.8	Drain tiles; 4" to 6" plastic
Wood	OH-WO-114.0000	177.8	177.8	Drain tiles; 4" clay and plastic
Wood	OH-WO-115.0000	177.8	178.1	Drain tiles; 4" clay and plastic
Wood	OH-WO-117.0000	178.1	178.3	Drain tiles; 4" clay and plastic
Wood	OH-WO-118.0000	178.3	178.4	Drain tiles; 4" clay and plastic
Wood	OH-WO-119.0000	178.4	178.4	Drain tiles; size and type unknown
Wood	OH-WO-120.0000	178.4	178.5	Drain tiles; 4" clay
Wood	OH-WO-122.0000	178.6	178.8	Drain tiles; 4" clay
Wood	OH-WO-123.0000 OH-WO-123.0000-TAR-8-179.1 OH-WO-000.0001-SA-7-SPRD3	178.8	179.1	Drain tiles; 4" clay, concrete, and plastic
Wood	OH-WO-125.0000 OH-WO-125.0000-TAR-9-179.2	179.1	179.2	Drain tiles; 4" clay and plastic
Wood	OH-WO-126.0000	179.2	179.3	Drain tiles; 4" clay and plastic
Wood	OH-WO-127.0000	179.3	179.3	Drain tiles; 4" plastic
Wood	OH-WO-128.0000	179.3	179.5	Drain tiles; 4" and 10" clay, cement, and PVC; 2.25' to 3.1' depth
Wood	OH-WO-129.0000	179.5	179.5	Drain tiles; 4"; type unknown
Wood	OH-WO-130.0000	179.5	179.7	Drain tiles; 6" clay; 4' depth
Wood	OH-WO-131.0000 OH-WO-131.0000-TAR-10-179.9 OH-WO-131.0000-TAR-11-180.1	179.7	180.2	Drain tiles; 4" to 6" clay; 4' depth
Wood	OH-WO-134.0000	180.2	180.5	Drain tiles; size and type unknown
Wood	OH-WO-135.0000	180.5	180.7	Drain tiles; size and type unknown

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Wood	OH-WO-137.0000	180.8	181.0	Drain tiles; size and type unknown
Wood	OH-WO-139.0000	181.0	181.2	Drain tiles; size and type unknown
Wood	OH-WO-141.0000 OH-WO-141.0000-HTAR-1 OH-WO-141.0000-TAR-12-181.3	181.2	181.4	Drain tiles; size and type unknown
Lucas	OH-LC-016.0000	181.8	182.1	Drain tiles; 4" clay and plastic
Lucas	OH-LC-017.0000 OH-LC-017.0000-TAR-1-182.1 OH-LC-000.0001-SA-1-SPRD3 OH-LC-017.0000-VS	182.1	182.1	Drain tiles; 4" clay
Lucas	OH-LC-019.0000	182.1	182.4	Drain tiles; 4" clay
Lucas	OH-LC-020.0000	182.4	182.6	Drain tiles; size and type unknown
Lucas	OH-LC-021.0000	182.6	182.8	Drain tiles; size and type unknown
Lucas	OH-LC-022.0000	182.8	182.9	Drain tiles; 3" plastic
Lucas	OH-LC-023.0000	182.9	183.1	Drain tiles; 3" to 4" plastic
Lucas	OH-LC-025.0000	183.1	183.3	Drain tiles; 4" clay
Lucas	OH-LC-027.0000	183.4	183.5	Drain tiles; 4" clay
Lucas	OH-LC-028.0000 OH-LC-028.0000-CS	183.4	183.6	Drain tiles; 4" clay and plastic
Lucas	OH-LC-029.0000	183.6	183.7	Drain tiles; 3" to 4" plastic
Lucas	OH-LC-030.0000	183.7	184.0	Drain tiles; 3" to 4" plastic and clay
Lucas	OH-LC-031.0000	184.0	184.1	Drain tiles; 4" to 5" plastic and clay
Lucas	OH-LC-032.0000	184.1	184.2	Drain tiles; 4" to 6" plastic, some clay
Lucas	OH-LC-034.0000	184.3	184.5	Drain tiles; 4" clay
Lucas	OH-LC-035.0000	184.5	184.8	Drain tiles; 3" to 4" plastic and clay
Lucas	OH-LC-037.0000 OH-LC-037.0000-TAR-2-185.3	184.8	185.2	Drain tiles; 3" to 4" clay
Lucas	OH-LC-038.0000 OH-LC-038.0000-TAR-2-185.3	185.2	185.3	Drain tiles; 3" to 4" plastic and clay
Lucas	OH-LC-041.0000	185.3	185.5	Drain tiles; 4" clay
Lucas	OH-LC-042.0000	185.5	185.8	Drain tiles; size and type unknown
Lucas	OH-LC-043.0000	185.8	186.0	Drain tiles; 4" clay
Lucas	OH-LC-044.0000	186.0	186.3	Drain tiles; 4" clay
Lucas	OH-LC-046.0000	186.3	186.6	Drain tiles; 4" to 5" clay
Lucas	OH-LC-047.0000	186.6	186.6	Drain tiles; 4" to 5" clay
Lucas	OH-LC-048.0000	186.6	186.8	Drain tiles; 4" to 5" clay
Lucas	OH-LC-049.0000	186.8	187.1	Drain tiles; 4" to 5" plastic and clay
Lucas	OH-LC-050.0000	187.1	187.3	Drain tiles; 4" to 6" plastic and clay
Lucas	OH-LC-052.0000	187.3	187.6	Drain tiles; 6" plastic
Lucas	OH-LC-055.0000	187.9	188.1	Drain tiles; 4" to 5" plastic and clay
Lucas	OH-LC-056.0000	188.1	188.4	Drain tiles; 4" clay
Lucas	OH-LC-058.0000	188.4	188.6	Drain tiles; 4" to 6" plastic and clay
Lucas	OH-LC-059.0000	188.6	188.6	Drain tiles; 4" to 6" plastic and clay
Lucas	OH-LC-060.0000	188.6	188.8	Drain tiles; 4" to 6" plastic and clay
Lucas	OH-LC-061.0000	188.8	188.9	Drain tiles; 4" and 6" plastic
Lucas	OH-LC-063.0000	188.9	189.1	Drain tiles; 4" and 5" plastic
Lucas	OH-LC-064.0000 OH-LC-064.0000-PAR-2-189.2 OH-LC-064.0000-MLV-13	189.1	189.3	Drain tiles; 6" plastic

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Henry	OH-HY-002.0000	189.4	189.7	Drain tiles; size and type unknown
Henry	OH-HY-004.0000	189.8	190.0	Drain tiles; 4" to 6" plastic
Henry	OH-HY-006.0000	190.0	190.2	Drain tiles; size and type unknown
Fulton	OH-FU-001.0000	190.2	190.5	Drain tiles; size and type unknown
Fulton	OH-FU-003.0000/	190.5	190.9	Drain tiles; size and type unknown
Fulton	OH-FU-004.0000	190.9	191.5	Drain tiles; 4" plastic
Fulton	OH-FU-006.0000 OH-FU-006.0000-AB-1	191.5	191.6	Drain tiles; size and type unknown
Fulton	OH-FU-007.0000	191.6	192.0	Drain tiles; size and type unknown
Fulton	OH-FU-008.0000	192.0	192.3	Drain tiles; size and type unknown
Fulton	OH-FU-010.0000	192.3	192.8	Drain tiles; size and type unknown
Fulton	OH-FU-012.0000	192.8	193.0	Drain tiles; size and type unknown
Fulton	OH-FU-013.0000	193.0	193.3	Drain tiles; size and type unknown
Fulton	OH-FU-017.0000	193.8	194.1	Drain tiles; size and type unknown
Fulton	OH-FU-018.0000	194.1	194.3	Drain tiles; 4" PVC and 8" main
Fulton	OH-FU-019.0000	194.3	194.8	Drain tiles; 4" PVC
Fulton	OH-FU-021.0000	194.8	195.1	Drain tiles; size and type unknown
Fulton	OH-FU-022.0000	195.1	195.3	Drain tiles; size and type unknown
Fulton	OH-FU-023.0000	195.3	195.6	Drain tiles; 4" and 6" sand slot and clay
Fulton	OH-FU-025.0000	195.6	195.9	Drain tiles; 4" and 6" PVC and clay
Fulton	OH-FU-027.0000	195.9	196.2	Drain tiles; 4" PVC
Fulton	OH-FU-029.0000	196.2	196.7	Drain tiles; 4" and 3" PVC and clay
Fulton	OH-FU-030.0000	196.7	196.8	Drain tiles; 4", 8", and 10" plastic; 4' to 5' depth
Fulton	OH-FU-031.0000	196.8	197.3	Drain tiles; 4", 8", and 10" plastic; 4' to 5' depth
Fulton	OH-FU-033.0000	197.3	197.8	Drain tiles; size and type unknown
Fulton	OH-FU-033.0010	197.8	197.8	Drain tiles; size and type unknown
Fulton	OH-FU-035.0000	197.9	198.0	Drain tiles; 4" and 10" clay and PVC
Fulton	OH-FU-036.0000	198.0	198.0	Drain tiles; 4" and 10" clay and PVC
Fulton	OH-FU-037.0000	198.0	198.3	Drain tiles; size and type unknown
Fulton	OH-FU-039.0000	198.3	198.8	Drain tiles; 4" and 10" PVC
Fulton	OH-FU-040.0000	198.8	199.0	Drain tiles; 4" and 10" PVC
Fulton	OH-FU-042.0000	199.1	199.3	Drain tiles; 4" and 10" PVC
Fulton	OH-FU-044.0000 OH-FU-044.0000-VS	199.3	199.4	Drain tiles; 20" plastic and clay
Fulton	OH-FU-045.0000	199.4	199.6	Drain tiles; size and type unknown
Fulton	OH-FU-046.0000	199.6	199.7	Drain tiles; 4" PVC
Fulton	OH-FU-047.0000	199.7	200.0	Drain tiles; 4" PVC and clay
Fulton	OH-FU-049.0000	200.0	200.2	Drain tiles; size and type unknown
Fulton	OH-FU-050.0000	200.2	200.2	Drain tiles; 4" feed, 6" main; plastic
Fulton	OH-FU-051.0000 OH-FU-051.0000-TAR-1-200.7	200.2	200.5	Drain tiles; 20" plastic and clay
Fulton	OH-FU-052.0000 OH-FU-052.0000-TAR-1-200.7 OH-FU-000.0001-SA-1-SPRD3	200.5	200.6	Drain tiles; 20" plastic and clay
Fulton	OH-FU-053.0000 OH-FU-053.0000-TAR-1-200.7	200.6	200.8	Drain tiles; 20" plastic and clay
Fulton	OH-FU-054.0000	200.8	200.9	Drain tiles; 4" clay and plastic

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Fulton	OH-FU-057.0000	200.9	201.4	Drain tiles; size unknown, plastic
Fulton	OH-FU-058.0000	201.4	201.6	Drain tiles; 4" clay and plastic
Fulton	OH-FU-061.0000	201.6	201.8	Drain tiles; size and type unknown
Fulton	OH-FU-062.0000	201.8	202.2	Drain tiles; size and type unknown
Fulton	OH-FU-063.0000	202.2	202.7	Drain tiles; 4", 8", and 10" clay, plastic, and concrete
Fulton	OH-FU-065.0000	202.7	202.8	Drain tiles; 4" PVC; 4' depth
Fulton	OH-FU-066.0000	202.8	203.0	Drain tiles; 4" PVC; 4' depth
Fulton	OH-FU-067.0000	203.0	203.2	Drain tiles; 4" PVC; 4' depth
Fulton	OH-FU-068.0000	203.2	203.4	Drain tiles; 4" PVC; 4' depth
Fulton	OH-FU-069.0000	203.4	203.8	Drain tiles; 4" PVC; 4' depth
Fulton	OH-FU-071.0000	203.8	203.9	Drain tiles; 4", 6", and 8" plastic and clay
Fulton	OH-FU-072.0000	203.9	204.3	Drain tiles; 4" to 6" clay and PVC; 4' depth
Fulton	OH-FU-073.0000	204.3	204.4	Drain tiles; 4" to 6" clay and PVC; 4' depth
Fulton	OH-FU-075.0000	204.4	204.8	Drain tiles; 4" PVC; 2' to 3' depth
Fulton	OH-FU-076.0000	204.8	204.9	Drain tiles; 4" clay and plastic; 26" to 30" depth
Fulton	OH-FU-078.0000	204.9	205.3	Drain tiles; 4" clay and plastic; 26" to 30" depth
Fulton	OH-FU-079.0000	204.9	205.3	Drain tiles; 4" PVC; 2' to 3' depth
Fulton	OH-FU-080.0000	205.3	205.5	Drain tiles; 8" PVC and clay; 4' depth
Fulton	OH-FU-081.0000	205.5	206.0	Drain tiles; 4" clay and plastic; 3' depth
Fulton	OH-FU-083.0000 OH-FU-083.0000-AB-2	206.0	206.2	Drain tiles; 4" PVC; 2' to 3' depth
Fulton	OH-FU-084.0000	206.2	206.5	Drain tiles; 4", 6", and 8" plastic and clay; 2' to 3' depth
Fulton	OH-FU-085.0000	206.5	206.7	Drain tiles; 4", 6", and 8" plastic and clay; 2' to 3' depth
Fulton	OH-FU-086.0000	206.7	207.0	Drain tiles; 4", 6", and 8" plastic and clay; 2' to 3' depth
Fulton	OH-FU-088.0000/	207.0	207.2	Drain tiles; 4", 6", and 8" plastic and clay; 2' to 3' depth
Fulton	OH-FU-089.0000	207.2	207.4	Drain tiles; 4" plastic and clay; 3' depth
Fulton	OH-FU-090.0000	207.4	207.8	Drain tiles; 4", 6", and 8" plastic and clay; 2' to 3' depth
Fulton	OH-FU-092.0000	207.8	207.9	Drain tiles; 4", 6", and 8" plastic and clay; 2' to 3' depth
Fulton	OH-FU-093.0000	207.8	207.9	Drain tiles; 12" plastic
Fulton	OH-FU-094.0000	207.9	208.0	Drain tiles; size unknown, plastic
Fulton	OH-FU-095.0000 OH-FU-095.0000-TAR-2-208.2 OH-FU-000.0001-SA-2-SPRD3 OH-FU-000.0001-SA-3-SPRD3	208.0	208.2	Drain tiles; size and type unknown
Fulton	OH-FU-096.0000	208.2	208.3	Drain tiles; size and type unknown
MICHIGAN				
Mainline				
Lenawee	MI-LE-001.0000 MI-LE-001.0000-TAR-1-208.3 MI-LE-000.0001-SA-1-SPRD4 MI-LE-000.0001-SA-2-SPRD4 MI-LE-003.0000-MLV-14	208.3	208.5	Drain tiles; 4" clay and plastic

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Lenawee	MI-LE-002.0000	208.5	208.7	Drain tiles; 4" clay and plastic
Lenawee	MI-LE-003.0000 MI-LE-003.0000-MLV-15 MI-LE-003.0000-PAR-1-208.9	208.7	209.0	Drain tiles; 4" clay and plastic
Lenawee	MI-LE-005.0000	209.0	209.5	Drain tiles; 4" and 6" clay
Lenawee	MI-LE-006.0000	209.5	209.7	Drain tiles; 4" and 8" clay and plastic
Lenawee	MI-LE-007.0000	209.7	210.0	Drain tiles; 4" and 8" clay and plastic
Lenawee	MI-LE-010.0000	210.0	210.2	Drain tiles; 4" and 8" clay and plastic
Lenawee	MI-LE-011.0000	210.2	210.5	Drain tiles; 4" clay
Lenawee	MI-LE-012.0000	210.5	211.0	Drain tiles; 4" and 8" clay and plastic
Lenawee	MI-LE-014.0000	211.0	211.5	Drain tiles; 4" and 8" clay and plastic
Lenawee	MI-LE-015.0000	211.5	212.0	Drain tiles; 4" plastic
Lenawee	MI-LE-017.0000	212.0	212.5	Drain tiles; 4" and 8" clay and plastic
Lenawee	MI-LE-018.0000	212.5	213.0	Drain tiles; 4" plastic
Lenawee	MI-LE-020.0000	213.0	213.5	Drain tiles; 4" and 6" plastic
Lenawee	MI-LE-021.0000	213.5	214.0	Drain tiles; 4" and 6" clay and plastic
Lenawee	MI-LE-023.0000	214.0	214.3	Drain tiles; 4" and 6" clay and plastic
Lenawee	MI-LE-024.0000	214.3	214.5	Drain tiles; 4" and 6" clay and plastic
Lenawee	MI-LE-025.0000	214.5	214.8	Drain tiles; 4" and 6" clay and plastic
Lenawee	MI-LE-026.0000	215.1	215.2	Drain tiles; 4" clay
Lenawee	MI-LE-027.0000	215.8	215.9	Drain tiles; 4" plastic
Lenawee	MI-LE-030.0000	215.9	216.0	Drain tiles; size and type unknown
Lenawee	MI-LE-031.0000	216.0	216.3	Drain tiles; 4" and 8" clay and plastic
Lenawee	MI-LE-032.0000	216.3	216.7	Drain tiles; 4" and 8" clay and plastic
Lenawee	MI-LE-034.0000	216.7	216.8	Drain tiles; 4" clay
Lenawee	MI-LE-035.0000	216.8	217.1	Drain tiles; 4" and 8" plastic
Lenawee	MI-LE-038.0000	217.1	217.4	Drain tiles; 4", 6", and 8" plastic
Lenawee	MI-LE-039.0000	217.4	217.9	Drain tiles; 4" plastic
Lenawee	MI-LE-040.0000	217.9	218.4	Drain tiles; 4" clay
Lenawee	MI-LE-042.0000	218.4	218.9	Drain tiles; 4" plastic
Lenawee	MI-LE-043.0000	218.9	219.0	Drain tiles; 4" clay
Lenawee	MI-LE-044.0000	219.0	219.2	Drain tiles; 4" clay
Lenawee	MI-LE-045.0000	219.2	219.3	Drain tiles; 4" clay
Lenawee	MI-LE-046.0000	219.3	219.5	Drain tiles; 4" clay
Lenawee	MI-LE-047.0000	219.6	219.8	Drain tiles; size and type unknown
Lenawee	MI-LE-049.0010	219.6	219.8	Drain tiles; 4" clay
Lenawee	MI-LE-050.0000	219.8	220.1	Drain tiles; 4" clay and 4" and 8" plastic
Lenawee	MI-LE-052.0000	220.1	220.2	Drain tiles; 4" clay and 4" and 8" plastic
Lenawee	MI-LE-053.0000	220.2	220.4	Drain tiles; 4" clay
Lenawee	MI-LE-054.0000	220.4	220.4	Drain tiles; 4" clay
Lenawee	MI-LE-055.0010	220.4	220.4	Drain tiles; 4" clay
Lenawee	MI-LE-056.0000	220.4	220.6	Drain tiles; 4" clay
Lenawee	MI-LE-057.0000	220.6	220.7	Drain tiles; 4" clay
Lenawee	MI-LE-059.0000 MI-LE-059.0000-AB-1 MI-LE-059.0000-TAR-2-220.7	220.7	221.0	Drain tiles; 4" and 8" plastic
Lenawee	MI-LE-059.0100-AB-1	220.7	221.0	Drain tiles; 4" clay
Lenawee	MI-LE-060.0000	221.0	221.0	Drain tiles; 4" clay and 4" and 8" plastic

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Lenawee	MI-LE-061.0000	221.0	221.2	Drain tiles; 4" to 8" plastic
Lenawee	MI-LE-062.0000	221.2	221.2	Drain tiles; 4" clay and 4" and 8" plastic
Lenawee	MI-LE-063.0000	221.2	221.3	Drain tiles; 4" to 6" clay
Lenawee	MI-LE-065.0000	221.3	221.6	Drain tiles; 4" to 8" plastic
Lenawee	MI-LE-066.0000	221.6	221.8	Drain tiles; 4" to 6" clay
Lenawee	MI-LE-067.0000	221.8	222.0	Drain tiles; 4" to 8" plastic
Lenawee	MI-LE-069.0000	222.1	222.2	Drain tiles; 4" to 6" clay
Lenawee	MI-LE-070.0000	222.2	222.7	Drain tiles; 6" plastic, 4" metal
Lenawee	MI-LE-072.0000	222.7	222.8	Drain tiles; size and type unknown
Lenawee	MI-LE-073.0000	222.8	223.1	Drain tiles; 4" clay and plastic
Lenawee	MI-LE-074.0000	223.1	223.2	Drain tiles; size unknown, plastic
Lenawee	MI-LE-076.0000	223.3	223.5	Drain tiles; 4" clay and plastic
Lenawee	MI-LE-077.0000	223.5	223.8	Drain tiles; size unknown, plastic
Lenawee	MI-LE-078.0000	223.8	224.1	Drain tiles; 4" clay and plastic
Lenawee	MI-LE-079.0000	224.1	224.1	Drain tiles; 4" clay and plastic
Lenawee	MI-LE-080.0000	224.1	224.4	Drain tiles; 4" clay and plastic
Lenawee	MI-LE-082.0000	224.4	224.6	Drain tiles; size and type unknown
Lenawee	MI-LE-083.0000	224.6	224.9	Drain tiles; size unknown, plastic
Lenawee	MI-LE-084.0000	224.9	225.0	Drain tiles; 8" and 4" plastic
Lenawee	MI-LE-086.0000	225.0	225.1	Drain tiles; 8" and 4" plastic
Lenawee	MI-LE-087.0000	225.1	225.5	Drain tiles; 3" to 12" plastic
Lenawee	MI-LE-088.0000	225.5	225.6	Drain tiles; size and type unknown
Lenawee	MI-LE-091.0000	225.7	226.1	Drain tiles; 6" clay
Lenawee	MI-LE-092.0000	226.1	226.3	Drain tiles; 4" clay
Lenawee	MI-LE-093.0000 MI-LE-093.0000-TAR-3-226.4	226.3	226.6	Drain tiles; 10" plastic
Lenawee	MI-LE-095.0000	226.7	227.0	Drain tiles; 10" plastic
Lenawee	MI-LE-097.0000	227.0	227.2	Drain tiles; size and type unknown
Lenawee	MI-LE-098.0000	227.2	227.5	Drain tiles; 10" plastic
Lenawee	MI-LE-100.0000	227.6	227.6	Drain tiles; 4" clay and plastic
Lenawee	MI-LE-101.0000	227.6	227.9	Drain tiles; 4" clay and plastic
Lenawee	MI-LE-000.0010-CERT-Y-1-SPRD-4	N/A	N/A	Drain tiles; 6" clay
Lenawee	MI-LE-102.0000	227.9	228.0	Drain tiles; 8" clay and plastic
Lenawee	MI-LE-103.0000 MI-LE-103.0000-PAR-2-228.2 MI-LE-103.0000-MLV-15	228.0	228.2	Drain tiles; 3" to 4" clay and plastic
Lenawee	MI-LE-105.0000	228.2	228.5	Drain tiles; size and type unknown
Lenawee	MI-LE-106.0000	228.5	228.5	Drain tiles; size and type unknown
Lenawee	MI-LE-106.0010	228.5	228.5	Drain tiles; size and type unknown
Lenawee	MI-LE-107.0000	228.5	228.8	Drain tiles; 4" clay and plastic
Lenawee	MI-LE-108.0000	228.8	229.4	Drain tiles; 4" to 12" plastic
Lenawee	MI-LE-110.0000	229.4	229.5	Drain tiles; size unknown; clay and plastic
Lenawee	MI-LE-111.0000 MI-LE-111.0000-TAR-4-229.6 MI-LE-000.0001-SA-4-SPRD4	229.5	229.8	Drain tiles; 4", 5", 6", and 8" clay and plastic
Lenawee	MI-LE-112.0000	229.8	229.9	Drain tiles; multiple sizes; clay and plastic
Lenawee	MI-LE-113.0000	229.9	230.1	Drain tiles; multiple sizes; clay and plastic
Lenawee	MI-LE-115.0000	230.1	230.3	Drain tiles; multiple sizes; clay and plastic

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Lenawee	MI-LE-116.0000	230.3	230.4	Drain tiles; 4" clay
Monroe	MI-MR-002.0000	230.4	230.5	Drain tiles; 4" to 6" clay and plastic
Monroe	MI-MR-003.0000	230.5	230.7	Drain tiles; multiple sizes; clay and plastic
Monroe	MI-MR-006.0000 MI-MR-006.0000-TAR-1-230.7	230.7	230.8	Drain tiles; size unknown, plastic
Monroe	MI-MR-007.0000	230.8	231.1	Drain tiles; multiple sizes; clay and plastic
Monroe	MI-MR-008.0000	231.1	231.2	Drain tiles; size and type unknown
Monroe	MI-MR-010.0000	231.3	231.3	Drain tiles; multiple sizes; clay and plastic
Monroe	MI-MR-012.0000	231.3	231.8	Drain tiles; size and type unknown
Monroe	MI-MR-013.0000	231.8	231.9	Drain tiles; size unknown; clay
Monroe	MI-MR-015.0000	231.9	232.2	Drain tiles; size unknown; clay
Monroe	MI-MR-016.0000	232.2	232.2	Drain tiles; 4" plastic
Monroe	MI-MR-018.0000	232.2	232.3	Drain tiles; 4" to 8" plastic
Monroe	MI-MR-019.0000	232.3	232.5	Drain tiles; 4" to 6" plastic
Monroe	MI-MR-021.0000	232.5	232.7	Drain tiles; multiple sizes; clay and plastic
Monroe	MI-MR-022.0000	232.7	232.8	Drain tiles; multiple sizes; clay and plastic
Monroe	MI-MR-023.0000	232.8	233.0	Drain tiles; 4" clay
Monroe	MI-MR-025.0000	233.1	233.1	Drain tiles; 4" to 8" plastic
Monroe	MI-MR-027.0000	233.1	233.2	Drain tiles; size and type unknown
Monroe	MI-MR-028.0000	233.2	233.3	Drain tiles; size unknown; clay
Monroe	MI-MR-029.0000	233.4	233.7	Drain tiles; size and type unknown
Monroe	MI-MR-030.0000	233.7	233.8	Drain tiles; size and type unknown
Monroe	MI-MR-031.0000	233.8	234.0	Drain tiles; size and type unknown
Monroe	MI-MR-032.0000	234.0	234.0	Drain tiles; 6" plastic
Monroe	MI-MR-033.0000	234.0	234.3	Drain tiles; 6" plastic
Monroe	MI-MR-035.0000	234.3	234.6	Drain tiles; size unknown; clay
Monroe	MI-MR-039.0000	234.6	235.0	Drain tiles; size and type unknown
Monroe	MI-MR-040.0000	235.0	235.2	Drain tiles; size and type unknown
Monroe	MI-MR-041.0000	235.2	235.4	Drain tiles; multiple sizes; plastic
Monroe	MI-MR-042.0000	235.4	235.7	Drain tiles; size and type unknown
Monroe	MI-MR-043.0000	235.7	235.7	Drain tiles; size and type unknown
Monroe	MI-MR-044.0000	235.7	236.0	Drain tiles; size and type unknown
Monroe	MI-MR-045.0000 MI-MR-045.0000-AB-2	236.0	236.3	Drain tiles; size and type unknown
Monroe	MI-MR-048.0000	236.3	236.6	Drain tiles; size and type unknown
Monroe	MI-MR-049.0000	236.6	236.8	Drain tiles; multiple sizes; clay and plastic
Washtenaw	MI-WA-001.0000 MI-WA-001.0000-TAR-1-237.2	236.9	237.3	Drain tiles; 8" and 4" clay and plastic
Washtenaw	MI-WA-001.0001-TAR-1-237.2	236.8	237.3	Drain tiles; 8" and 4" clay and plastic
Washtenaw	MI-WA-002.0000 MI-WA-002.0000-HTAR-1	237.3	237.5	Drain tiles; 8" and 4" clay and plastic
Washtenaw	MI-WA-003.0000	237.6	237.9	Drain tiles; 8" and 4" clay and plastic
Washtenaw	MI-WA-005.0000	237.9	238.0	Drain tiles; size and type unknown
Washtenaw	MI-WA-006.0000	238.0	238.2	Drain tiles; 8" and 4" clay and plastic
Washtenaw	MI-WA-008.0000	238.2	238.5	Drain tiles; 8" mains and 4" runs; clay and plastic
Washtenaw	MI-WA-009.0010	238.5	238.7	Drain tiles; size and type unknown
Washtenaw	MI-WA-010.0000	238.5	238.7	Drain tiles; 8" and 4" clay and plastic

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Washtenaw	MI-WA-011.0000	238.7	238.9	Drain tiles; 4" plastic
Washtenaw	MI-WA-012.0000	238.9	239.2	Drain tiles; 4" to 6" cement
Washtenaw	MI-WA-013.0000	239.2	239.3	Drain tiles; size and type unknown
Washtenaw	MI-WA-015.0000	239.3	239.6	Drain tiles; 4" to 6" clay
Washtenaw	MI-WA-016.0010-TAR-2-239.6	239.6	239.6	Drain tiles; size and type unknown
Washtenaw	MI-WA-018.0000	239.7	240.0	Drain tiles; size and type unknown
Washtenaw	MI-WA-018.0010	239.9	239.9	Drain tiles; 4" plastic
Washtenaw	MI-WA-020.0000	240.0	240.1	Drain tiles; size and type unknown
Washtenaw	MI-WA-021.0000	240.1	240.1	Drain tiles; size and type unknown
Washtenaw	MI-WA-022.0000	240.1	240.5	Drain tiles; size and type unknown
Washtenaw	MI-WA-023.0000	240.5	240.7	Drain tiles; 4" to 6" plastic
Washtenaw	MI-WA-024.0000	240.7	240.8	Drain tiles; size and type unknown
Washtenaw	MI-WA-025.0000	240.8	241.2	Drain tiles; 4" and 6" plastic
Washtenaw	MI-WA-027.0000	241.2	241.2	Drain tiles; 4" and 6" plastic
Washtenaw	MI-WA-028.0000	241.2	241.5	Drain tiles; 4" and 6" clay and plastic
Washtenaw	MI-WA-029.0000	241.5	241.6	Drain tiles; 4" and 6" clay and plastic
Washtenaw	MI-WA-030.0000	241.8	241.8	Drain tiles; 4" and 6" clay and plastic
Washtenaw	MI-WA-032.0000	241.8	242.1	Drain tiles; 4" to 6" plastic
Washtenaw	MI-WA-033.0000	242.1	242.3	Drain tiles; 4" and 6" clay and plastic
Washtenaw	MI-WA-035.0000 MI-WA-035.0000-TAR-3-242.4 MI-WA-000.0001-SA-3-SPRD4	242.3	242.5	Drain tiles; 4" and 6" clay and plastic
Washtenaw	MI-WA-036.0000	242.5	242.8	Drain tiles; 4" and 6" clay and plastic
Washtenaw	MI-WA-037.0000	242.8	242.9	Drain tiles; 4" and 6" clay and plastic
Washtenaw	MI-WA-038.0000	242.9	243.0	Drain tiles; 4" and 6" clay and plastic
Washtenaw	MI-WA-039.0000	243.0	243.0	Drain tiles; size and type unknown
Washtenaw	MI-WA-040.0000	243.0	243.1	Drain tiles; 4" and 6" clay and plastic
Washtenaw	MI-WA-041.0000	243.1	243.3	Drain tiles; 4" and 6" clay and plastic
Washtenaw	MI-WA-043.0000	243.3	243.8	Drain tiles; 4" and 6" clay and plastic
Washtenaw	MI-WA-045.0000	243.8	243.9	Drain tiles; 4" and 6" clay and plastic
Washtenaw	MI-WA-046.0000	243.9	244.3	Drain tiles; size and type unknown
Washtenaw	MI-WA-047.0000	244.3	244.4	Drain tiles; 4" and 6" clay and plastic
Washtenaw	MI-WA-048.0000	244.4	244.7	Drain tiles; 4" to 6" clay
Washtenaw	MI-WA-049.0000	244.7	244.9	Drain tiles; size and type unknown
Washtenaw	MI-WA-051.0000	245.0	245.2	Drain tiles; size and type unknown
Washtenaw	MI-WA-055.0000	245.3	245.3	Drain tiles; size and type unknown
Washtenaw	MI-WA-056.0000	245.3	245.4	Drain tiles; size and type unknown
Washtenaw	MI-WA-057.0000	245.4	245.5	Drain tiles; size and type unknown
Washtenaw	MI-WA-058.0000	245.5	245.6	Drain tiles; size and type unknown
Washtenaw	MI-WA-059.0000	245.6	245.6	Drain tiles; size and type unknown
Washtenaw	MI-WA-060.0000	245.6	245.7	Drain tiles; size and type unknown
Washtenaw	MI-WA-063.0000 MI-WA-063.0000-TAR-4-246.2	245.8	246.3	Drain tiles; 8" and 4" clay
Washtenaw	MI-WA-064.0000 MI-WA-064.0000-AB-1	246.3	246.6	Drain tiles; 4" clay
Washtenaw	MI-WA-064.0010 MI-WA-064.0010-AB-1	246.3	246.6	Drain tiles; size and type unknown
Washtenaw	MI-WA-066.0000	246.6	247.1	Drain tiles; 4" clay

APPENDIX K-5 (cont'd)

Agricultural Drain Tiles and Irrigation Systems Crossed by the NGT Project

State, Facility, County	Tract Number(s)	Milepost Start [a]	Milepost End [a]	Drain or Irrigation Description
Mainline (cont'd)				
Washtenaw	MI-WA-067.0000 MI-WA-067.0000-PAR-1-247.4 MI-WA-000.0001-SA-5-SPRD4 MI-WA-067.0000-MLV-16	247.1	247.4	Drain tiles; 4" clay
Washtenaw	MI-WA-068.0010	247.4	247.4	Drain tiles; 4" corrugated
Washtenaw	MI-WA-074.0010	247.9	248.0	Drain tiles; size unknown; clay and corrugated
Washtenaw	MI-WA-076.0000	247.9	248.0	Drain tiles; size unknown; clay and corrugated
Washtenaw	MI-WA-077.0000	248.0	248.0	Drain tiles; size unknown; clay and corrugated
Washtenaw	MI-WA-078.0000	248.0	248.0	Drain tiles; size unknown; clay and corrugated
Washtenaw	MI-WA-079.0000	248.0	248.1	Drain tiles; size unknown; clay and corrugated
Washtenaw	MI-WA-080.0000	248.1	248.1	Drain tiles; size unknown; clay and corrugated
Washtenaw	MI-WA-081.0000	248.1	248.1	Drain tiles; size unknown; clay and corrugated
Washtenaw	MI-WA-081.0010	248.1	248.1	Drain tiles; size unknown; clay and corrugated
Washtenaw	MI-WA-087.0000	248.4	248.4	Drain tiles; size unknown, clay
Washtenaw	MI-WA-089.0000	248.5	248.5	Drain tiles; size and type unknown
Washtenaw	MI-WA-091.0000	248.5	248.6	Drain tiles; size and type unknown
Washtenaw	MI-WA-091.0100	248.5	248.6	Drain tiles; size and type unknown
Washtenaw	MI-WA-092.0000	248.6	248.7	Drain tiles; 8" clay
Washtenaw	MI-WA-094.0000	248.7	248.9	Drain tiles; 8" clay

a Mileposts are approximate.

APPENDIX K-6

ROADWAYS CROSSED BY THE NGT PROJECT

APPENDIX K-6

Roadways Crossed by the NGT Project

State, Facility, County	Approximate Milepost	Road Name	Road Surface	Public or Private	Proposed Construction Method
OHIO					
TGP Interconnecting Pipeline					
Columbiana	0.1	County Road 842	Gravel	Public	Open-Cut
Columbiana	0.1	Unnamed	Gravel	Private	Open-Cut
Columbiana	0.6	Hagan Road	Gravel	Public	Open-Cut
Columbiana	0.6	Tunnel Hill Road	Paved	Public	Open-Cut
Mainline					
Columbiana	1.1	Mechanicstown Road	Paved	Public	Bore
Columbiana	1.7	Unnamed	Dirt	Private	Open-Cut
Columbiana	1.8	Driveway	Gravel	Private	Open-Cut
Columbiana	2.0	U.S. Highway 30	Paved	Public	Bore
Columbiana	2.2	Campbell Road	Gravel	Public	Open-Cut
Columbiana	2.3	Driveway	Gravel	Private	Open-Cut
Columbiana	2.7	Unnamed	Dirt	Private	Open-Cut
Columbiana	2.8	Unnamed	Dirt	Private	Open-Cut
Columbiana	2.9	Unnamed	Dirt	Private	Open-Cut
Columbiana	3.3	Campbell Road	Paved	Public	Open-Cut
Columbiana	3.5	Buffalo Road	Paved	Public	Open-Cut
Columbiana	4.6	Driveway	Dirt	Private	Open-Cut
Columbiana	4.6	Driveway	Dirt	Private	Open-Cut
Columbiana	4.9	Driveway	Gravel	Private	Open-Cut
Columbiana	4.9	County Road 813	Gravel	Public	Bore
Columbiana	5.0	County Road 812 Weaver Road	Paved	Public	Open-Cut
Columbiana	5.6	County Road 402	Paved	Public	Open-Cut
Columbiana	5.6	Driveway	Gravel	Private	Open-Cut
Columbiana	6.1	Unnamed	Dirt	Private	Open-Cut
Columbiana	6.3	County Road 710	Paved	Public	Open-Cut
Columbiana	6.4	Unnamed	Gravel	Private	Open-Cut
Columbiana	7.2	Unnamed	Gravel	Private	Open-Cut
Columbiana	7.3	Unnamed	Gravel	Private	Open-Cut
Columbiana	7.6	Field Road	Gravel	Private	Open-Cut
Columbiana	7.7	State Highway 172	Paved	Public	Bore
Columbiana	8.0	Driveway	Paved	Private	HDD
Columbiana	8.0	Knox School Road	Paved	Public	HDD
Columbiana	8.2	Unnamed	Dirt	Private	HDD
Columbiana	9.9	Driveway	Gravel	Private	Open-Cut
Columbiana	10.0	County Road 705	Paved	Public	Bore
Columbiana	10.0	Mountz Road	Paved	Public	Open-Cut
Columbiana	10.1	Driveway	Gravel	Private	Open-Cut
Columbiana	10.5	County Road 703	Paved	Public	Open-Cut
Columbiana	10.7	Unnamed	Dirt	Private	Open-Cut
Columbiana	11.3	County Road 701	Paved	Public	Bore
Columbiana	12.4	Georgetown Road	Paved	Public	Bore
Columbiana	12.5	Mahoning Avenue	Paved	Public	Open-Cut
Stark	13.2	Bowman Street NE	Paved	Public	Bore

APPENDIX K-6 (cont'd)

Roadways Crossed by the NGT Project

State, Facility, County	Approximate Milepost	Road Name	Road Surface	Public or Private	Proposed Construction Method
Mainline (cont'd)					
Stark	13.3	Field Road	Dirt	Private	Open-Cut
Stark	13.3	Field Road	Dirt	Private	Open-Cut
Stark	14.0	Salem Church Street NE	Paved	Public	Open-Cut
Stark	14.1	State Highway 183	Paved	Public	Bore
Stark	14.8	Cenfield Street NE	Paved	Public	Bore
Stark	15.8	Driveway	Gravel	Private	Open-Cut
Stark	16.2	Beechwood Avenue	Paved	Public	Bore
Stark	16.7	Fredrick Avenue NE	Paved	Public	Open-Cut
Stark	17.8	Cartway Street NE	Dirt	Private	Bore
Stark	18.3	Easton Street NE	Paved	Public	Bore
Stark	18.6	Oakhill Avenue NE	Paved	Public	Bore
Stark	19.2	Unnamed	Dirt	Private	Open-Cut
Stark	19.6	Parks Avenue	Paved	Public	Bore
Stark	20.4	U.S. Highway 62	Paved	Public	Bore
Stark	20.8	Schmucker Avenue NE	Gravel	Public	Open-Cut
Stark	21.2	Beech Street NE	Paved	Public	Bore
Stark	21.7	State Highway 173	Paved	Public	Bore
Stark	22.0	Columbus Road	Paved	Public	Bore
Stark	22.2	Marlboro Avenue	Paved	Public	Bore
Stark	23.2	French Avenue	Paved	Public	Bore
Stark	23.5	Paris Avenue	Paved	Public	Bore
Stark	24.2	State Highway 44	Paved	Public	Bore
Stark	24.9	Unnamed	Dirt	Private	Open-Cut
Stark	25.0	Preston Avenue	Gravel	Public	Open-Cut
Stark	25.5	St. Peters Church Road	Paved	Public	Open-Cut
Stark	26.4	Immel Avenue	Paved	Public	Open-Cut
Stark	26.8	Field Road	Grass	Private	Open-Cut
Stark	26.9	Field Road	Grass	Private	Open-Cut
Stark	27.2	Gans Avenue NE	Paved	Public	Bore
Stark	28.2	Middlebranch Avenue NE	Paved	Public	Bore
Stark	29.3	State Highway 43	Paved	Public	Open-Cut
Stark	30.0	Field Road	Grass	Private	Open-Cut
Stark	30.3	Market Avenue N.	Paved	Public	Bore
Stark	30.8	Coblentz Avenue NW	Paved	Public	Bore
Stark	31.6	Field Road	Gravel	Private	Open-Cut
Stark	31.7	Field Road	Dirt	Private	Open-Cut
Stark	31.9	Midway Street NW	Paved	Public	Bore
Stark	32.1	County Road U	Paved	Public	Bore
Stark	32.8	Dotwood Street NW	Paved	Public	Open-Cut
Stark	33.0	Wright Road NW	Paved	Public	Open-Cut
Stark	33.1	Cleveland Avenue NW	Paved	Public	Bore
Stark	33.2	Driveway	Paved	Private	Open-Cut
Stark	33.2	Crosby Street NW	Paved	Public	Bore
Stark	33.2	Driveway	Paved	Private	Open-Cut

APPENDIX K-6 (cont'd)

Roadways Crossed by the NGT Project

State, Facility, County	Approximate Milepost	Road Name	Road Surface	Public or Private	Proposed Construction Method
Mainline (cont'd)					
Stark	34.0	Cain Street NW	Paved	Public	Bore
Summit	34.4	Field Road	Dirt	Private	Open-Cut
Summit	35.0	Mayfair Road	Paved	Public	Bore
Summit	35.5	Interstate 77	Paved	Public	Bore
Summit	36.8	Greensburg Road	Paved	Public	Bore
Summit	37.4	Massillon Road	Paved	Public	Open-Cut
Summit	37.8	Koons Road	Paved	Public	Open-Cut
Summit	38.3	Thursby Road	Paved	Public	Open-Cut
Summit	38.6	Unnamed	Paved	Private	Open-Cut
Summit	38.6	Driveway	Paved	Private	Open-Cut
Summit	39.0	Koons Road	Paved	Public	Open-Cut
Summit	39.8	Arlington Road	Paved	Public	Open-Cut
Summit	39.8	Field Road	Dirt	Private	Open-Cut
Summit	40.2	Killinger Road	Paved	Public	Open-Cut
Summit	40.8	Driveway	Gravel	Private	Open-Cut
Summit	41.2	Christman Road	Paved	Public	HDD
Summit	41.5	Driveway	Paved	Private	Open-Cut
Summit	41.5	E. Comet Road	Paved	Public	Open-Cut
Summit	42.1	Driveway	Gravel	Private	Open-Cut
Summit	42.1	S. Main Street	Paved	Public	Bore
Summit	42.2	Unnamed	Paved	Private	Open-Cut
Summit	42.7	S. Myers Road	Paved	Public	Open-Cut
Summit	43.6	Manchester Road	Paved	Public	Open-Cut
Summit	43.7	Driveway	Gravel	Private	Open-Cut
Summit	44.3	Hampsher Road	Paved	Public	Open-Cut
Summit	44.9	Grove Road	Paved	Public	Bore
Summit	45.5	W. Nimisila Road	Paved	Public	Bore
Summit	46.2	Rheam Road	Paved	Public	Open-Cut
Summit	46.3	Driveway	Gravel	Private	Open-Cut
Summit	46.8	Unnamed	Paved	Private	Open-Cut
Summit	46.8	Center Road	Paved	Public	Open-Cut
Summit	46.9	Driveway	Dirt	Private	Open-Cut
Summit	46.9	Driveway	Dirt	Private	Open-Cut
Summit	47.9	Van Buren Road	Paved	Public	HDD
Summit	48.8	Fairland Road	Paved	Public	Open-Cut
Summit	49.4	S. Cleveland Massillon Road	Paved	Public	Open-Cut
Summit	49.9	Kungle Road	Paved	Public	Open-Cut
Summit	50.4	Taylor Road	Paved	Public	Bore
Wayne	50.6	Driveway	Dirt	Private	Open-Cut
Wayne	50.9	Driveway	Dirt	Private	Open-Cut
Wayne	50.9	Driveway	Dirt	Private	Open-Cut
Wayne	51.1	State Highway 21	Paved	Public	Bore
Wayne	51.4	Hametown Road	Paved	Public	Bore
Wayne	52.0	Grill Road	Paved	Public	Bore

APPENDIX K-6 (cont'd)

Roadways Crossed by the NGT Project

State, Facility, County	Approximate Milepost	Road Name	Road Surface	Public or Private	Proposed Construction Method
Mainline (cont'd)					
Wayne	52.4	Unnamed	Gravel	Private	Open-Cut
Wayne	52.9	County Road 61	Paved	Public	Open-Cut
Wayne	53.0	County Road 5A	Paved	Public	Bore
Wayne	53.2	Unnamed	Dirt	Private	Open-Cut
Wayne	53.5	County Road 209	Paved	Public	Bore
Wayne	53.6	State Highway 585	Paved	Public	Bore
Wayne	54.1	County Road 100	Paved	Public	Bore
Wayne	54.6	County Road 94	Paved	Public	Bore
Wayne	55.0	Field Road	Dirt	Private	Open-Cut
Wayne	55.7	State Highway 94	Paved	Public	Bore
Wayne	56.2	Driveway	Dirt	Private	Open-Cut
Wayne	56.6	Hatfield Road	Paved	Public	Open-Cut
Wayne	56.6	Eastern Road	Paved	Public	Open-Cut
Medina	56.8	Rittman Road	Paved	Public	Bore
Medina	57.2	Eastern Road	Paved	Public	Bore
Medina	57.3	State Highway 57	Paved	Public	Bore
Medina	57.7	County Road 150	Paved	Public	Bore
Medina	58.0	County Road 18	Paved	Public	Bore
Medina	58.3	County Road 145	Paved	Public	Bore
Medina	58.7	Driveway	Dirt	Private	Open-Cut
Medina	59.4	Mennonite Road	Paved	Public	Open-Cut
Medina	60.3	Acme Road	Paved	Public	Bore
Medina	61.3	Rawiga Road	Paved	Public	Bore
Medina	61.4	Seville Road	Paved	Public	Bore
Medina	62.6	Greenwich Road	Paved	Public	Bore
Medina	63.1	Driveway	Dirt	Private	Open-Cut
Medina	63.2	Interstate 76	Paved	Public	Bore
Medina	63.8	Field Road	Dirt	Private	Open-Cut
Medina	64.2	Guilford Road	Paved	Public	Bore
Medina	64.4	Blake Road	Paved	Public	Bore
Medina	65.8	Hubbard Valley Road	Paved	Public	Bore
Medina	65.9	Good Road	Paved	Public	Bore
Medina	66.0	Interstate 71	Paved	Public	Bore
Medina	66.7	Wooster Pike Road	Paved	Public	Bore
Medina	67.1	Summer Ridge Drive	Paved	Private	Open-Cut
Medina	68.3	County Road 40	Paved	Public	Bore
Medina	68.3	County Road 50	Paved	Public	Bore
Medina	68.8	Driveway	Paved	Private	Open-Cut
Medina	69.3	Lake Road	Paved	Public	Bore
Medina	70.8	Driveway	Gravel	Private	Open-Cut
Medina	70.9	State Highway 162	Paved	Public	Bore
Medina	71.2	Driveway	Dirt	Private	HDD
Medina	71.4	Unnamed	Dirt	Private	HDD
Medina	71.8	Driveway	Gravel	Private	Open-Cut

APPENDIX K-6 (cont'd)

Roadways Crossed by the NGT Project

State, Facility, County	Approximate Milepost	Road Name	Road Surface	Public or Private	Proposed Construction Method
Mainline (cont'd)					
Medina	71.9	Lafayette Road	Paved	Public	Bore
Medina	72.5	Carlton Road	Paved	Public	Bore
Medina	73.2	Field Road	Dirt	Private	Open-Cut
Medina	73.7	W. Smith Road	Paved	Public	Open-Cut
Medina	74.1	Branch Road	Paved	Public	Bore
Medina	75.0	Stone Road	Paved	Public	Open-Cut
Medina	75.3	Driveway	Dirt	Private	Open-Cut
Medina	75.8	Field Road	Dirt	Private	Open-Cut
Medina	76.1	Driveway	Gravel	Private	Open-Cut
Medina	76.3	Beck Road	Paved	Public	Open-Cut
Medina	76.8	Unnamed	Dirt	Private	Open-Cut
Medina	77.0	State Highway 18	Paved	Public	Bore
Medina	78.0	Spieth Road	Paved	Public	Bore
Medina	79.1	Erhart Road	Paved	Public	Bore
Medina	79.6	Kennedy Road	Paved	Public	Bore
Lorain	81.2	Neff Road	Paved	Public	Bore
Lorain	82.6	State Highway 83	Paved	Public	Bore
Lorain	82.7	Law Road	Paved	Public	Bore
Lorain	83.9	Mennel Road	Paved	Public	Bore
Lorain	84.7	State Highway 303	Paved	Public	Bore
Lorain	85.9	County Road 49	Paved	Public	Bore
Lorain	87.1	County Road 26	Paved	Public	Bore
Lorain	88.2	Wheeler Road	Paved	Public	Bore
Lorain	89.2	State Highway 301	Paved	Public	Bore
Lorain	90.3	County Road 48	Paved	Public	Bore
Lorain	91.4	Diagonal Road	Paved	Public	Bore
Lorain	91.3	Unnamed	Grass	Private	Open-Cut
Lorain	92.4	County Road 38	Paved	Public	HDD
Lorain	93.4	County Road 75 Hallauer Road	Paved	Public	Bore
Lorain	93.4	U.S. Highway 20	Paved	Public	Bore
Lorain	94.6	State Highway 58	Paved	Public	Bore
Lorain	95.4	Unnamed	Gravel	Private	Open-Cut
Lorain	96.8	Quarry Road	Paved	Public	Bore
Lorain	97.7	County Road 51	Paved	Public	Bore
Lorain	98.5	Gifford Road	Paved	Public	Bore
Lorain	99.2	State Highway 511	Paved	Public	Bore
Lorain	100.0	Baird Road	Paved	Public	Bore
Lorain	100.6	County Road 34	Paved	Public	Bore
Huron	101.3	County Line Road	Paved	Public	Bore
Huron	102.4	County Road 63	Paved	Public	Open-Cut
Huron	103.9	State Highway 60	Paved	Public	Bore
Huron	104.6	W. River Road	Paved	Public	HDD
Erie	105.9	Florence Wakeman Road	Paved	Public	Open-Cut
Erie	106.1	Burr Road	Paved	Public	Bore

APPENDIX K-6 (cont'd)

Roadways Crossed by the NGT Project

State, Facility, County	Approximate Milepost	Road Name	Road Surface	Public or Private	Proposed Construction Method
Mainline (cont'd)					
Erie	107.6	County Road 59	Paved	Public	Bore
Erie	108.6	State Highway 113	Paved	Public	Bore
Erie	110.2	County Road 17	Paved	Public	HDD
Erie	110.3	Interstate 80	Paved	Public	HDD
Erie	110.3	Thorpe Road	Dirt	Private	Open-Cut
Erie	111.1	County Road 134	Paved	Public	Bore
Erie	112.1	County Road 13	Paved	Public	Bore
Erie	112.1	State Highway 61	Paved	Public	Bore
Erie	113.1	County Road 132	Paved	Public	Bore
Erie	113.7	Unnamed	Gravel	Private	Open-Cut
Erie	113.8	County Road 131	Paved	Public	Bore
Erie	114.5	Driveway	Dirt	Private	Open-Cut
Erie	114.6	County Road 128	Paved	Public	Bore
Erie	115.0	County Road 127	Paved	Public	Bore
Erie	116.3	County Road 126	Paved	Public	Bore
Erie	116.6	Driveway	Gravel	Private	Open-Cut
Erie	117.2	State Highway 13	Paved	Public	HDD
Erie	118.1	Hoover Road	Paved	Public	Bore
Erie	118.7	Driveway	Gravel	Private	Open-Cut
Erie	119.2	County Road 123	Paved	Public	Bore
Erie	119.4	Driveway	Gravel	Private	Open-Cut
Erie	119.4	Driveway	Gravel	Private	Open-Cut
Erie	119.5	Driveway	Gravel	Private	Open-Cut
Erie	119.5	U.S. Highway 250 N.	Paved	Public	Bore
Erie	120.4	Patrol Road	Paved	Private	Open-Cut
Erie	120.5	Driveway	Paved	Private	Open-Cut
Erie	120.9	County Road 13	Paved	Public	Bore
Erie	122.1	Thomas Road	Paved	Public	Bore
Erie	123.2	County Road 44 Ransom Road	Paved	Public	Bore
Erie	124.0	Driveway	Gravel	Private	Open-Cut
Erie	124.8	County Road 43	Paved	Public	Bore
Erie	125.8	County Road 108	Paved	Public	Bore
Erie	126.2	State Highway 99	Paved	Public	Bore
Erie	126.7	State Highway 4	Paved	Public	Bore
Erie	127.4	Driveway	Paved	Private	Open-Cut
Erie	127.7	Portland Road	Paved	Public	Bore
Erie	128.4	Maple Avenue	Paved	Public	Bore
Erie	128.8	Billings Road	Paved	Public	Bore
Erie	130.1	Deyo Road	Paved	Public	Bore
Erie	130.6	Driveway	Paved	Private	Open-Cut
Erie	130.8	State Highway 269	Paved	Public	Bore
Sandusky	131.5	County Road 1 County Road 312	Paved	Public	Bore
Sandusky	132.7	Interstate 80	Paved	Public	Bore

APPENDIX K-6 (cont'd)

Roadways Crossed by the NGT Project

State, Facility, County	Approximate Milepost	Road Name	Road Surface	Public or Private	Proposed Construction Method
Mainline (cont'd)					
Sandusky	133.3	Unnamed	Dirt	Private	Open-Cut
Sandusky	133.4	County Road 302	Paved	Public	Open-Cut
Sandusky	133.5	State Highway 101	Paved	Public	Bore
Sandusky	134.1	County Road 294	Paved	Public	Bore
Sandusky	135.4	County Road 278	Paved	Public	Open-Cut
Sandusky	136.4	County Road 268	Paved	Public	Bore
Sandusky	137.4	County Road 260	Paved	Public	Bore
Sandusky	137.5	County Road 233	Paved	Public	Bore
Sandusky	138.6	State Highway 510	Paved	Public	Bore
Sandusky	139.3	State Highway 412	Paved	Public	Bore
Sandusky	139.6	County Road 244	Paved	Public	Open-Cut
Sandusky	140.1	County Road 238	Paved	Public	Open-Cut
Sandusky	140.7	County Road 232	Paved	Public	Bore
Sandusky	140.7	County Road 241	Paved	Public	Open-Cut
Sandusky	141.3	County Road 226	Paved	Public	Open-Cut
Sandusky	141.6	County Road 239	Paved	Public	Bore
Sandusky	141.9	County Road 222	Paved	Public	Open-Cut
Sandusky	142.7	U.S. Highway 6	Paved	Public	Bore
Sandusky	143.3	County Road 202	Paved	Public	Bore
Sandusky	143.9	County Road 198	Paved	Public	Bore
Sandusky	144.4	County Road 188	Paved	Public	Bore
Sandusky	144.8	Interstate 80	Paved	Public	Bore
Sandusky	145.2	County Road 234	Paved	Public	Bore
Sandusky	146.2	State Highway 53	Paved	Public	Bore
Sandusky	146.5	County Road 170	Paved	Public	Bore
Sandusky	147.2	Interstate 80	Paved	Public	Bore
Sandusky	147.5	County Road 89	Paved	Public	Bore
Sandusky	148.3	State Highway 19	Paved	Public	Bore
Sandusky	149.6	County Road 142	Paved	Public	Open-Cut
Sandusky	150.3	County Road 128	Paved	Public	Bore
Sandusky	150.7	County Road 122	Paved	Public	Bore
Sandusky	151.7	County Road 106	Paved	Public	Bore
Sandusky	152.7	State Highway 590	Paved	Public	Bore
Sandusky	153.8	County Road 92	Paved	Public	Bore
Sandusky	154.2	State Highway 20	Paved	Public	Bore
Sandusky	154.4	Unnamed	Dirt	Private	Open-Cut
Sandusky	154.7	County Road 87 Long Road	Paved	Public	Bore
Sandusky	155.9	County Road 74	Paved	Public	Bore
Sandusky	157.1	County Road 66	Paved	Public	Bore
Sandusky	157.5	Driveway	Gravel	Private	Open-Cut
Sandusky	157.6	Driveway	Gravel	Private	Open-Cut
Sandusky	157.6	County Road 62	Paved	Public	Bore
Sandusky	158.2	State Highway 300	Paved	Public	Bore
Sandusky	158.6	Unnamed	Dirt	Private	Open-Cut

APPENDIX K-6 (cont'd)

Roadways Crossed by the NGT Project

State, Facility, County	Approximate Milepost	Road Name	Road Surface	Public or Private	Proposed Construction Method
Mainline (cont'd)					
Sandusky	158.9	Unnamed	Paved	Private	Open-Cut
Sandusky	159.0	County Road 93	Paved	Public	Open-Cut
Sandusky	159.7	County Road 38	Paved	Public	Open-Cut
Sandusky	160.3	County Road 32	Paved	Public	Bore
Sandusky	161.1	County Road 48	Paved	Public	Open-Cut
Sandusky	161.4	Driveway	Gravel	Private	Open-Cut
Sandusky	161.9	County Road 24	Paved	Public	Open-Cut
Sandusky	162.3	County Road 117	Paved	Public	HDD
Sandusky	162.6	State Highway 105	Paved	Public	HDD
Sandusky	163.1	County Road 139	Paved	Public	Bore
Wood	163.7	U.S. Highway 23	Paved	Public	Bore
Wood	164.5	State Highway 582	Paved	Public	Bore
Wood	164.9	County Road 16	Paved	Public	Bore
Wood	166.1	County Road 15	Paved	Public	Bore
Wood	166.3	Unnamed	Grass	Private	Open-Cut
Wood	167.2	County Road 111	Paved	Public	Bore
Wood	167.8	County Road 292	Paved	Public	Bore
Wood	168.4	County Road 11	Paved	Public	Bore
Wood	169.4	County Road 10	Paved	Public	Bore
Wood	170.4	Caris Road	Paved	Public	Open-Cut
Wood	170.8	County Road 272	Paved	Public	Open-Cut
Wood	172.6	State Highway 199	Paved	Public	Bore
Wood	173.5	Carter Road	Paved	Public	Bore
Wood	174.5	County Road 92	Paved	Public	Bore
Wood	175.1	Interstate 75	Paved	Public	Bore
Wood	175.4	Getz Road	Dirt	Private	Open-Cut
Wood	175.6	County Road 90	Paved	Public	Open-Cut
Wood	176.6	State Highway 25	Paved	Public	Bore
Wood	176.9	Driveway	Gravel	Private	Open-Cut
Wood	177.3	County Road 99 Pargillis Road	Paved	Public	Open-Cut
Wood	178.1	County Road 97 Hull Prairie Road	Paved	Public	Bore
Wood	179.9	State Highway 64	Paved	Public	HDD
Wood	181.0	County Road 235	Paved	Public	Bore
Wood	181.2	State Highway 65	Paved	Public	HDD
Lucas	181.8	Driveway	Paved	Private	HDD
Lucas	181.8	U.S. Highway 24	Paved	Public	HDD
Lucas	182.1	Driveway	Gravel	Private	Open-Cut
Lucas	182.1	Driveway	Gravel	Private	Open-Cut
Lucas	183.1	County Road 137	Paved	Public	Bore
Lucas	183.4	U.S. Highway 24	Paved	Public	Bore
Lucas	184.3	County Road 221	Paved	Public	Bore
Lucas	184.8	County Road 152	Paved	Public	Bore
Lucas	185.3	Heller Road	Paved	Public	Bore

APPENDIX K-6 (cont'd)

Roadways Crossed by the NGT Project

State, Facility, County	Approximate Milepost	Road Name	Road Surface	Public or Private	Proposed Construction Method
Mainline (cont'd)					
Lucas	185.3	Field Road	Gravel	Private	Open-Cut
Lucas	186.3	State Highway 295	Paved	Public	Bore
Lucas	187.3	Yawberg Road	Paved	Public	Open-Cut
Lucas	187.9	County Road 111	Paved	Public	Bore
Lucas	188.4	Manore Road	Paved	Public	Bore
Lucas	188.9	County Road 109	Paved	Public	Bore
Lucas	189.3	County Road 1	Paved	Public	Bore
Henry	190.2	County Road W County Road A	Paved	Public	Bore
Fulton	190.5	County Road 2	Paved	Public	Bore
Fulton	191.5	County Road B	Paved	Public	Bore
Fulton	191.6	Driveway	Dirt	Private	Open-Cut
Fulton	192.3	County Road 3	Paved	Public	Open-Cut
Fulton	192.8	County Road C	Paved	Public	Bore
Fulton	193.8	County Road D	Paved	Public	Bore
Fulton	194.8	County Road E	Paved	Public	Bore
Fulton	195.6	County Road EF	Paved	Public	Bore
Fulton	196.2	County Road F	Paved	Public	Bore
Fulton	197.3	U.S. Highway 20A	Paved	Public	Bore
Fulton	198.3	County Road H	Paved	Public	Bore
Fulton	199.1	Interstate 80	Paved	Public	Bore
Fulton	199.3	County Road J	Paved	Public	Bore
Fulton	200.0	County Road 3	Paved	Public	Bore
Fulton	200.9	State Highway 64	Paved	Public	Bore
Fulton	201.6	County Road L	Paved	Public	Bore
Fulton	202.7	County Road M	Paved	Public	Open-Cut
Fulton	203.8	County Road N	Paved	Public	Bore
Fulton	204.4	County Road 2	Paved	Public	Bore
Fulton	204.9	U.S. Highway 20	Paved	Public	Bore
Fulton	206.0	County Road S	Paved	Public	Bore
Fulton	207.0	County Road T	Paved	Public	Bore
Fulton	207.8	County Road U	Gravel	Public	Bore
MICHIGAN					
Mainline					
Lenawee	209.0	Yankee Road	Paved	Public	Bore
Lenawee	210.0	E. Mulberry Road	Paved	Public	Bore
Lenawee	211.0	E. Ridgeville Road	Paved	Public	Open-Cut
Lenawee	212.0	E. Weston Road	Paved	Public	Open-Cut
Lenawee	213.0	Fike Road	Paved	Public	Open-Cut
Lenawee	214.0	E. Horton Road	Paved	Public	Open-Cut
Lenawee	215.1	Beamer Road	Paved	Public	HDD
Lenawee	215.8	E. Gorman Road	Gravel	Public	Open-Cut
Lenawee	216.7	State Highway 223	Paved	Public	Bore
Lenawee	217.1	Driggs Road	Paved	Public	Bore
Lenawee	218.4	Rouget Road	Paved	Public	Open-Cut

APPENDIX K-6 (cont'd)

Roadways Crossed by the NGT Project

State, Facility, County	Approximate Milepost	Road Name	Road Surface	Public or Private	Proposed Construction Method
Mainline (cont'd)					
Lenawee	219.2	Pope Road	Dirt	Private	Open-Cut
Lenawee	219.6	S. Wellsville Highway	Paved	Public	Bore
Lenawee	220.1	Deerfield Road	Paved	Public	Bore
Lenawee	220.7	Forche Road	Paved	Public	Open-Cut
Lenawee	221.3	S. Blissfield Highway	Paved	Public	Bore
Lenawee	222.1	McMahon Road	Paved	Public	Open-Cut
Lenawee	222.7	Garno Road	Paved	Public	Open-Cut
Lenawee	223.2	Laberdee Road	Gravel	Public	Open-Cut
Lenawee	224.4	Holloway Road	Paved	Public	Bore
Lenawee	225.0	Britton Highway	Paved	Public	Bore
Lenawee	225.6	Sutton Road	Gravel	Public	Open-Cut
Lenawee	226.7	Hoagland Highway	Gravel	Public	Open-Cut
Lenawee	227.0	Pocklington Road	Gravel	Public	Open-Cut
Lenawee	227.5	Downing Highway	Gravel	Public	Open-Cut
Lenawee	228.2	State Highway 50 Monroe Road	Paved	Public	Bore
Lenawee	229.4	Kniffen Road	Gravel	Public	Open-Cut
Lenawee	230.1	Downing Highway	Gravel	Public	Open-Cut
Lenawee Monroe	230.4	N. County Line Highway	Paved	Public	Open-Cut
Monroe	230.7	Milwaukee Road	Paved	Public	Open-Cut
Monroe	231.3	Couper Road	Gravel	Public	Open-Cut
Monroe	231.3	Couper Road	Gravel	Public	Open-Cut
Monroe	232.2	Far Road	Gravel	Public	Open-Cut
Monroe	232.5	Cone Road	Paved	Public	Bore
Monroe	233.1	Welch Road	Gravel	Public	Bore
Monroe	234.3	Hickory Road	Paved	Public	Bore
Monroe	234.6	Dennison Road	Paved	Public	Bore
Monroe	235.7	Field Road	Grass	Private	Open-Cut
Monroe	236.3	Redman Road	Paved	Public	Bore
Monroe	236.3	Petersburg Road	Gravel	Public	Bore
Washtenaw	237.6	Mooreville Road	Paved	Public	HDD
Washtenaw	238.2	Platt Road	Paved	Public	Bore
Washtenaw	239.2	Unknown	Gravel	Private	Open-Cut
Washtenaw	239.3	Willow Road	Paved	Public	Bore
Washtenaw	239.6	State Highway 23	Paved	Public	Bore
Washtenaw	240.0	Carpenter Road	Paved	Public	Bore
Washtenaw	241.1	N. Sanford Road	Paved	Public	Bore
Washtenaw	241.8	Mc Crone Road	Gravel	Public	Open-Cut
Washtenaw	242.3	Judd Road	Gravel	Public	Open-Cut
Washtenaw	243.3	Pitman Road	Gravel	Public	Open-Cut
Washtenaw	243.8	Hitchingham Road	Gravel	Public	Open-Cut
Washtenaw	245.0	Whittaker Road	Paved	Public	Bore
Washtenaw	245.2	Willis Road	Paved	Public	Bore
Washtenaw	246.6	Tuttle Hill Road	Gravel	Public	Open-Cut

APPENDIX K-6 (cont'd)

Roadways Crossed by the NGT Project

State, Facility, County	Approximate Milepost	Road Name	Road Surface	Public or Private	Proposed Construction Method
Mainline (cont'd)					
Washtenaw	247.4	Bemis Road	Dirt	Public	Bore
Washtenaw	248.0	Bunton Road	Paved	Public	Bore
Washtenaw	248.1	Martz Road	Paved	Public	Bore
Washtenaw	248.7	Mc Kean Road	Paved	Public	Bore
Washtenaw	249.7	Unnamed	Gravel	Private	Open-Cut
Washtenaw	250.1	Driveway	Paved	Private	Open-Cut
Washtenaw	250.2	Textile Road	Paved	Public	Bore
Washtenaw	251.1	Bridge Road	Paved	Public	HDD
Washtenaw	251.1	Unnamed	Gravel	Private	HDD
Washtenaw	251.4	S. Grove Street	Paved	Public	Bore
Washtenaw	251.7	Lakeview Avenue	Paved	Public	HDD
Washtenaw	251.7	Wiard Road S.	Paved	Public	HDD
Washtenaw	251.7	Interstate 94	Paved	Public	HDD
Washtenaw	251.7	Wiard Road N.	Paved	Public	HDD
Washtenaw	252.0	Coolidge Avenue	Paved	Public	Open-Cut
Washtenaw	252.2	State Street	Paved	Public	Open-Cut
Washtenaw	252.3	Watson Street	Paved	Public	Open-Cut
Washtenaw	252.4	Wiard Road	Paved	Public	Bore
Washtenaw	252.4	Wiard Road – Connecting Road	Paved	Public	Bore
Washtenaw	252.8	Tyler Road	Paved	Public	Bore
Washtenaw	252.9	Wiard Road – Connecting Road	Paved	Public	Bore
Washtenaw	252.9	Wiard Road – Connecting Road	Paved	Public	Bore
Washtenaw	253.2	Airport Drive	Paved	Public	Bore
Washtenaw	253.3	Wiard Road	Paved	Public	Bore
Washtenaw	253.5	Driveway	Paved	Private	Open-Cut
Washtenaw	253.6	Driveway	Paved	Private	Open-Cut
Washtenaw	253.7	Thoroughbred Road	Paved	Private	Open-Cut
Washtenaw	253.8	Northern Drive	Paved	Private	Open-Cut
Washtenaw	254.0	Eastbound U.S. Highway 12 Exit Ramp	Paved	Public	HDD
Washtenaw	254.2	Eastbound U.S. Highway 12	Paved	Public	HDD
Washtenaw	254.2	Westbound U.S. Highway 12 Overpass	Paved	Public	HDD
Washtenaw	254.3	Westbound U.S. Highway 12	Paved	Public	HDD
Washtenaw	254.8	Unnamed	Dirt	Private	Open-Cut
Washtenaw	255.0	Driveway	Dirt	Private	Open-Cut
Washtenaw	255.0	Driveway	Gravel	Private	Open-Cut

APPENDIX K-7

ROADWAYS CROSSED BY THE TEAL PROJECT

APPENDIX K-7

Roadways Crossed by the TEAL Project

State, County, Facility	MP	Road Name	Road Surface	Public or Private	Proposed Construction Method
OHIO					
Monroe County					
Proposed Pipeline Loop	0.1	Headley Ridge Road	Paved	Public	Open cut
	1.0	Unnamed Road	Dirt	Private	Open cut
	1.4	Brock Ridge Road	Paved	Public	Open cut
	2.6	Cain Ridge Road	Paved	Public	Open cut
	3.5	Dry Ridge Road	Paved	Public	Open cut
	3.6	State Route OH-556	Paved	Public	Bore

APPENDIX L

SOCIOECONOMIC TABLES

APPENDIX L-1

AVERAGE DAILY TRAFFIC COUNTS ON ROADS IN THE NGT PROJECT AREA

APPENDIX L-1

Average Daily Traffic Counts on Roads in the NGT Project Area

State, Facility, County	Milepost [a]	Road Name	Average Daily Traffic Count
OHIO			
TGP Interconnecting Pipeline			
Columbiana	0.1	CR 842	Not Available
Columbiana	N/A	State Route 644	1,670
Columbiana	0.6	Hagan Road	Not Available
Columbiana	0.6	Tunnel Hill Road	Not Available
Mainline Pipeline			
Columbiana	1.1	Mechanicstown Road	193
Columbiana	2.0	US 30	7,250
Columbiana	2.0	Campbell Road	Not Available
Columbiana	3.3	Campbell Road	Not Available
Columbiana	3.5	Buffalo Road	Not Available
Columbiana	4.9	CR 813	Not Available
Columbiana	5.0	CR 812/Weaver Road	129
Columbiana	5.6	CR 402	1,280
Columbiana	6.3	CR 710	Not Available
Columbiana	7.7	SH 172	2,920
Columbiana	8.0	Knox School Road	Not Available
Columbiana	10.0	CR 705	22
Columbiana	10.0	Mountz Road	208
Columbiana	10.5	CR 703	135
Columbiana	11.3	CR 701	1,228
Columbiana	12.4	Georgetown Road	Not Available
Columbiana	12.5	Mahoning Avenue	Not Available
Stark	13.2	Bowman Street NE	Not Available
Stark	14.0	Salem Church Street NE	Not Available
Stark	14.1	SH 183	6,300
Stark	14.8	Cenfield Street NE	Not Available
Stark	16.0	Beechwood Avenue	2,600
Stark	16.0	Fredrick Avenue NE	Not Available
Stark	17.8	Cartway Street NE	Not Available
Stark	18.3	Easton Street NE	2,100
Stark	18.6	Oakhill Avenue NE	Not Available
Stark	19.6	Parks Avenue	Not Available
Stark	20.4	US 62	20,000
Stark	20.8	Schmucker Avenue NE	Not Available
Stark	21.2	Beech Street NE	2,200
Stark	21.7	SH 173	8,000
Stark	22.0	Columbus Road	893
Stark	22.2	Marlboro Avenue	670
Stark	23.2	French Avenue	Not Available
Stark	23.5	Paris Avenue	1,000
Stark	24.2	SH 44	6,950
Stark	25.0	Preston Ave	Not Available
Stark	25.5	St. Peters Church Road	Not Available
Stark	26.4	Immel Avenue	Not Available
Stark	27.2	Gans Avenue NE	Not Available
Stark	28.2	Middlebranch Avenue NE	2,254
Stark	29.3	SH 43	4,811

APPENDIX L-1 (cont'd)

Average Daily Traffic Counts on Roads in the NGT Project Area

State, Facility, County	Milepost [a]	Road Name	Average Daily Traffic Count
Mainline Pipeline (cont'd)			
Stark	30.3	Market Avenue N	6,105
Stark	30.8	Coblentz Avenue NW	Not Available
Stark	31.9	Midway Street NW	Not Available
Stark	32.1	CR U	Not Available
Stark	32.8	Dotwood Street NW	Not Available
Stark	33.0	Wright Road NW	1,055
Stark	33.1	Cleveland Avenue NW	12,300
Stark	33.2	Crosby Street NW	Not Available
Stark	34.0	Cain Street NW	Not Available
Stark	N/A	SH 619	10,700
Mahoning	N/A	OH 45	5,506
Mahoning	N/A	Gladstone Rd	Not Available
Mahoning	N/A	N Bailey Rd	4,262
Mahoning	N/A	I-76	34,880
Stark	N/A	OH 225	6,602
Stark	N/A	US 62T	8,464
Stark	N/A	OH 173	5,400
Summit	35.0	Mayfair Road	4,176
Summit	35.5	I-77	75,355
Summit	36.0	Greensburg Road	7,500
Summit	37.4	Massillon Road	9,600
Summit	37.8	Koons Road	Not Available
Summit	38.3	Thursby Road	Not Available
Summit	39.0	Koons Road	Not Available
Summit	39.0	Arlington Road	4,300
Summit	40.0	Killinger Road	Not Available
Summit	41.0	Christman Road	Not Available
Summit	41.5	E Comet Road	Not Available
Summit	42.1	S Main Street	4,699
Summit	42.7	S Myers Road	Not Available
Summit	N/A	ST Route 236	2,170
Summit	43.0	Manchester Road	8,700
Summit	44.3	Hampsher Road	Not Available
Summit	44.9	Grove Road	Not Available
Summit	45.5	W Nimisila Road	Not Available
Summit	46.2	Rheam Road	Not Available
Summit	46.8	Center Road	4,610
Summit	47.9	Van Buren Road	1,006
Summit	48.8	Fairland Road	Not Available
Summit	49.4	S Cleveland Massillon Road	3,008
Summit	49.0	Kungle Road	Not Available
Summit	50.4	Taylor Road	765
Summit	N/A	SH 619	10,000
Summit	N/A	Snyder Avenue	6,750
Summit	N/A	W Wooster Road	9,500
Summit	N/A	I-76	47,200
Summit	N/A	HWY 585	19,000
Summit	N/A	SH 21	31,000

APPENDIX L-1 (cont'd)

Average Daily Traffic Counts on Roads in the NGT Project Area

State, Facility, County	Milepost [a]	Road Name	Average Daily Traffic Count
Mainline Pipeline (cont'd)			
Wayne	51.0	SH 21	12,940
Wayne	51.0	Hametown Road	475
Wayne	52.0	Grill Road	358
Wayne	52.0	CR 61	1,300
Wayne	53.0	CR 5A	4,000
Wayne	53.5	CR 209	6,657
Wayne	53.6	SH 585	19,000
Wayne	54.0	CR 94	358
Wayne	54.1	CR 100	1,231
Wayne	55.7	SH 94	1,453
Wayne	56.6	Hatfield Road	216
Wayne	56.6	Eastern Road	1,738
Wayne	N/A	SH 57	9,000
Wayne	N/A	Edwards Road	3,300
Wayne	N/A	Collier Road	1,700
Wayne	N/A	Doylestown Road	4,500
Trumbull	N/A	OH 45	6,770
Portage	N/A	I-76	30,580
Portage	N/A	OH 225	4,670
Portage	N/A	US 224	6,559
Medina	56.8	Rittman Road	1,901
Medina	57.0	SH 57	10,000
Medina	57.7	CR 150	1,660
Medina	58.0	CR 18	174
Medina	58.3	CR 145	1,100
Medina	59.0	Mennonite Road	1,800
Medina	60.3	Acme Road	98
Medina	61.3	Rawiga Road	573
Medina	61.4	Seville Road	1,800
Medina	62.6	Greenwich Road	650
Medina	63.2	I-76	35,000
Medina	64.2	Guilford Road	460
Medina	64.4	Blake Road	1,048
Medina	65.8	Hubbard Valley Road	145
Medina	65.9	Good Road	486
Medina	66.0	I-71	50,000
Medina	66.7	Wooster Pike Road	10,000
Medina	67.1	Summer Ridge Drive	Not Available
Medina	68.3	CR 40	1,647
Medina	68.3	CR 50	765
Medina	69.0	Lake Road	1,968
Medina	70.9	SH 162	3,500
Medina	71.9	Lafayette Road	7,000
Medina	72.5	Carlton Road	364
Medina	73.7	W. Smith Road	966
Medina	74.1	Branch Road	5,300
Medina	75.0	Stone Road	680
Medina	76.3	Beck Road	267

APPENDIX L-1 (cont'd)

Average Daily Traffic Counts on Roads in the NGT Project Area

State, Facility, County	Milepost [a]	Road Name	Average Daily Traffic Count
Mainline Pipeline (cont'd)			
Medina	77.0	SH 18	7,500
Medina	78.0	Spieth Road	650
Medina	79.1	Erhart Road	176
Medina	79.6	Kennedy Road	28
Medina	N/A	Avon Belden Road	5,200
Lorain	81.2	Neff Road	Not Available
Lorain	82.6	SH 83	5,400
Lorain	82.7	Law Road	Not Available
Lorain	83.9	Mennell Road	813
Lorain	84.7	SH 303	2,700
Lorain	85.9	CR 49	Not Available
Lorain	87.1	CR 26	2,413
Lorain	88.2	Wheeler Road	Not Available
Lorain	89.2	SH 301	8,663
Lorain	90.0	CR 48	1,286
Lorain	91.0	Diagonal Road	1,862
Lorain	92.4	CR 38	Not Available
Lorain	93.4	Hallauer Road /CR 75	Not Available
Lorain	93.4	US 20	25,000
Lorain	94.6	SH 58	10,000
Lorain	96.8	Quarry Road	Not Available
Lorain	97.7	CR 51	Not Available
Lorain	98.0	Gifford Road	Not Available
Lorain	99.2	SH 511	1,660
Lorain	100.0	Baird Road	Not Available
Lorain	100.6	CR 34	Not Available
Lorain	N/A	I-80	40,000
Lorain	N/A	CR 302	4,000
Lorain	N/A	SH 113	3,000
Cuyahoga	N/A	I-71	90,000
Cuyahoga	N/A	I-80	40,000
Huron	101.3	County Line Road	Not Available
Huron	102.4	CR 63	604
Huron	103.9	SH 60	1,500
Huron	104.6	West Road	566
Huron	N/A	US Route 20	4,500
Huron	N/A	OH 598	1,293
Huron	N/A	OH 61	4,580
Erie	105.9	Florence Wakeman Road	1,000
Erie	106.1	Burr Road	Not Available
Erie	107.6	CR 59	Not Available
Erie	108.6	SH 113	3,000
Erie	110.2	CR 17	557
Erie	110.3	I-80	40,000
Erie	111.1	CR 134	Not Available
Erie	112.0	CR 13	1,500
Erie	112.0	SH 61	2,760
Erie	113.1	CR 132	1,625

APPENDIX L-1 (cont'd)

Average Daily Traffic Counts on Roads in the NGT Project Area

State, Facility, County	Milepost [a]	Road Name	Average Daily Traffic Count
Mainline Pipeline (cont'd)			
Erie	113.8	CR 131	372
Erie	114.6	CR 128	294
Erie	115.0	CR 127	260
Erie	116.3	CR 126	624
Erie	117.2	SH 13	4,060
Erie	118.1	Hoover Road	483
Erie	119.2	CR 123	1,251
Erie	119.5	US Highway 250 N	14,000
Erie	120.4	Patrol Road	Not Available
Erie	120.5	Patrol Road	Not Available
Erie	120.9	CR 13	2,111
Erie	122.1	Thomas Road	363
Erie	123.2	Ransom Rd/CR 44	38
Erie	124.8	CR 43	445
Erie	125.8	CR 108	Not Available
Erie	126.2	SH 99	2,800
Erie	126.7	SH 4	10,000
Erie	127.7	Portland Road	2,700
Erie	128.4	Maple Avenue	99
Erie	128.8	Billings Road	141
Erie	130.1	Deyo Road	Not Available
Erie	130.8	State Hwy 269	3,700
Erie	N/A	SH 60	3,000
Erie	N/A	Florence Wakeman Rd	Not Available
Erie	N/A	Joppa Rd	472
Erie	N/A	OH 61	2,975
Erie	N/A	OH 113	2,065
Marion	N/A	OH 309	9,072
Marion	N/A	OH 98	2,756
Crawford	N/A	OH 98	3.940
Crawford	N/A	OH 598	1,054
Richland	N/A	OH 598	919
Sandusky	131.5	CR 1/ CR 312	505
Sandusky	132.7	I-80	40,000
Sandusky	133.4	CR 302	200
Sandusky	133.5	SH 101	2,600
Sandusky	134.1	CR 294	272
Sandusky	135.4	CR 278	193
Sandusky	136.0	CR 268	410
Sandusky	137.0	CR 260	443
Sandusky	137.5	CR 233	Not Available
Sandusky	138.6	SH 510	1,480
Sandusky	139.3	SH 412	1,800
Sandusky	139.6	CR 244	Not Available
Sandusky	140.1	CR 238	Not Available
Sandusky	140.0	CR 232	218
Sandusky	140.0	CR 241	Not Available
Sandusky	141.3	CR 226	Not Available

APPENDIX L-1 (cont'd)

Average Daily Traffic Counts on Roads in the NGT Project Area

State, Facility, County	Milepost [a]	Road Name	Average Daily Traffic Count
Mainline Pipeline (cont'd)			
Sandusky	141.6	CR 239	Not Available
Sandusky	141.9	CR 222	Not Available
Sandusky	142.7	US 6	7,000
Sandusky	143.3	CR 202	Not Available
Sandusky	143.9	CR 198	200
Sandusky	144.4	CR 188	Not Available
Sandusky	144.8	I-80	40,396
Sandusky	145.2	CR 234	Not Available
Sandusky	146.0	SH 53	10,000
Sandusky	146.5	CR 170	304
Sandusky	147.2	I-80	41,748
Sandusky	147.5	CR 89	855
Sandusky	148.3	SH 19	4,400
Sandusky	149.6	CR 142	Not Available
Sandusky	150.3	CR 128	934
Sandusky	150.7	CR 122	Not Available
Sandusky	151.7	CR 106	221
Sandusky	152.7	SH 590	1,658
Sandusky	153.8	CR 92	Not Available
Sandusky	154.2	SH 20	10,163
Sandusky	154.7	CR 87/Long Road	Not Available
Sandusky	155.9	CR 74	142
Sandusky	157.1	CR 66	625
Sandusky	157.6	CR 62	142
Sandusky	158.2	SH 300	1,488
Sandusky	159.0	CR 93	Not Available
Sandusky	159.7	CR 38	Not Available
Sandusky	160.3	CR 32	703
Sandusky	161.1	CR 48	Not Available
Sandusky	161.0	CR 24	Not Available
Sandusky	162.0	CR117	922
Sandusky	162.0	SH 105	1,600
Sandusky	163.1	CR 139	Not Available
Sandusky	N/A	SH 582	520
Wood	163.7	US 23	13,000
Wood	164.5	SH 582	3,000
Wood	164.9	CR 16	Not Available
Wood	166.1	CR 15	2,064
Wood	167.2	CR 111	1,042
Wood	167.8	CR 292	Not Available
Wood	168.4	CR 11	1,113
Wood	169.4	CR 10	567
Wood	170.4	Caris Road	236
Wood	170.8	CR 272	Not Available
Wood	172.6	SH 199	2,300
Wood	173.5	Carter Road	Not Available
Wood	174.5	CR 92	645
Wood	175.1	I-75	54,000

APPENDIX L-1 (cont'd)

Average Daily Traffic Counts on Roads in the NGT Project Area

State, Facility, County	Milepost [a]	Road Name	Average Daily Traffic Count
Mainline Pipeline (cont'd)			
Wood	175.6	CR 90	1,074
Wood	176.6	SH 25	9,000
Wood	177.0	CR 99/Pargillis Rd	Not Available
Wood	178.0	CR 97/Hull Prairie Rd	513
Wood	179.9	SH 64	4,470
Wood	181.0	CR 235	Not Available
Wood	181.2	SH 65	3,200
Wood	N/A	Interstate 475	48,150
Wood	N/A	I-75	61,050
Wood	N/A	OH 582	5,279
Wood	N/A	OH 25	8,410
Lucas	181.8	US 24	27,000
Lucas	183.1	CR 137	205
Lucas	183.4	HWY 24	16,210
Lucas	184.3	CR 221	56
Lucas	184.8	CR 152	56
Lucas	185.3	Heller Road	358
Lucas	186.3	SH 295	1,000
Lucas	187.3	Yawberg Road	248
Lucas	187.9	CR 111	405
Lucas	188.4	Manore Road	119
Lucas	188.9	CR 109	894
Lucas	189.3	CR 1	Not Available
Lucas	N/A	US 64	3,000
Lucas	N/A	US 20A	17,300
Lucas	N/A	I-90/I-80	23,000
Lucas	N/A	I-475	65,000
Lucas	N/A	US 23	60,000
Lucas	N/A	US 20	10,000
Lucas	N/A	St Lawrence Dr	Not Available
Lucas	N/A	John Q Carey Dr	Not Available
Lucas	N/A	George Hardy Dr	Not Available
Lucas	N/A	Tiffin St	761
Lucas	N/A	Millard Ave	731
Lucas	N/A	Front St	12,170
Lucas	N/A	Oak St	8,431
Lucas	N/A	Woodville Rd	20,865
Lucas	N/A	Clayton St	20,865
Lucas	N/A	S Summit St	24,466
Lucas	N/A	Broadway St	17,693
Lucas	N/A	Logan St	1,600
Lucas	N/A	S Erie St	1,370
Lucas	N/A	I-280	57,757
Lucas	N/A	I-75	72,000
Lucas	N/A	I-475	90,691
Lucas	N/A	US 23	61,448
Henry	190.2	CR W /County Road A	1,050
Fulton	190.0	CR 2	Not Available

APPENDIX L-1 (cont'd)

Average Daily Traffic Counts on Roads in the NGT Project Area

State, Facility, County	Milepost [a]	Road Name	Average Daily Traffic Count
Mainline Pipeline (cont'd)			
Fulton	191.5	CR B	490
Fulton	192.3	CR 3	607
Fulton	192.8	CR C	Not Available
Fulton	193.8	CR D	Not Available
Fulton	194.8	CR E	Not Available
Fulton	195.6	CR EF	226
Fulton	196.2	CR F	Not Available
Fulton	197.3	US 20A	18,000
Fulton	198.3	CR H	Not Available
Fulton	199.1	I-80	13,000
Fulton	199.3	CR J	328
Fulton	200.0	CR 3	Not Available
Fulton	200.9	SH 64	750
Fulton	201.6	CR L	Not Available
Fulton	202.7	CR M	Not Available
Fulton	203.0	CR N	Not Available
Fulton	204.0	CR 2	Not Available
Fulton	204.9	US 20	5,000
Fulton	206.0	CR S	Not Available
Fulton	207.0	CR T	268
Fulton	207.8	CR U	1,700
MICHIGAN			
Mainline			
Lenawee	209.0	Yankee Road	Not Available
Lenawee	210.0	E Mulberry Road	3,048
Lenawee	211.0	E Ridgeville Road	Not Available
Lenawee	212.0	E Weston Road	856
Lenawee	213.0	Fike Road	Not Available
Lenawee	214.0	E Horton Road	Not Available
Lenawee	215.1	Beamer Road	1,207
Lenawee	215.8	E Gorman Road	229
Lenawee	216.7	SH 223	10,000
Lenawee	217.1	Driggs Road	Not Available
Lenawee	218.4	Rouget Road	3,100
Lenawee	219.0	Pope Road	Not Available
Lenawee	219.0	Wellsville Highway	Not Available
Lenawee	220.1	Deerfield Road	3,800
Lenawee	220.7	Forche Road	Not Available
Lenawee	221.3	S Blissfield Highway	2,200
Lenawee	222.1	McMahon Road	Not Available
Lenawee	222.7	Garno Road	Not Available
Lenawee	223.2	Laberdee Road	Not Available
Lenawee	224.4	Holloway Road	500
Lenawee	225.0	Britton Highway	789
Lenawee	225.6	Sutton Road	Not Available
Lenawee	226.7	Hoagland Highway	Not Available
Lenawee	227.0	Pocklington Road	Not Available
Lenawee	227.5	Downing Highway	Not Available

APPENDIX L-1 (cont'd)

Average Daily Traffic Counts on Roads in the NGT Project Area

State, Facility, County	Milepost [a]	Road Name	Average Daily Traffic Count
Mainline Pipeline (cont'd)			
Lenawee	228.2	SH 50	7,000
Lenawee	229.4	Kniffen Road	Not Available
Lenawee	230.1	Downing Highway	Not Available
Lenawee	N/A	Bucholtz Highway	306
Lenawee	N/A	Rogers Highway	1,700
Lenawee	N/A	Ridge Highway	3,300
Lenawee	N/A	Brewer Road	500
Lenawee/Monroe	230.4	N County Line Hwy	201
Monroe	N/A	N County Line Hwy	Not Available
Monroe	230.7	Milwaukee Road	61
Monroe	231.3	Couper Road	Not Available
Monroe	232.2	Far Road	Not Available
Monroe	232.5	Cone Road	1,699
Monroe	233.1	Welch Road	Not Available
Monroe	234.0	Hickory Road	Not Available
Monroe	234.0	Dennison Road	500
Monroe	236.0	Redman Road	518
Monroe	236.0	Petersburg Road	Not Available
Monroe	N/A	SH 23	35,000
Monroe	N/A	SH 223	7,500
Monroe	N/A	SH 50	7,000
Monroe	N/A	US 23	43,300
Monroe	N/A	Tecumseh Rd	7,700
Washtenaw	237.6	Mooreville Road	2,912
Washtenaw	238.2	Platt Road	3,430
Washtenaw	239.3	Willow Road	2,707
Washtenaw	239.6	SH 23	58,000
Washtenaw	240.0	Carpenter Road	4,265
Washtenaw	241.1	Sanford Road	Not Available
Washtenaw	241.8	McCrone Road	Not Available
Washtenaw	242.3	Judd Road	Not Available
Washtenaw	243.3	Pitman Road	Not Available
Washtenaw	243.8	Hitchingham Road	Not Available
Washtenaw	245.0	Whittaker Road	6,694
Washtenaw	245.2	Willis Road	5,100
Washtenaw	246.6	Tuttle Hill Road	Not Available
Washtenaw	247.4	Bemis Road	733
Washtenaw	248.0	Bunton Road	Not Available
Washtenaw	248.1	Martz Road	Not Available
Washtenaw	248.7	McKean Road	Not Available
Washtenaw	250.2	Textile Road	11,221
Washtenaw	251.1	Bridge Road	7,603
Washtenaw	251.4	S Grove Street	3,564
Washtenaw	251.7	Lakeview Avenue	Not Available
Washtenaw	251.7	Willow Run Fwy S	Not Available
Washtenaw	251.7	I-94	96,000
Washtenaw	251.7	Willow Run Fwy N	Not Available
Washtenaw	252.0	Coolidge Avenue	Not Available

APPENDIX L-1 (cont'd)

Average Daily Traffic Counts on Roads in the NGT Project Area

State, Facility, County	Milepost [a]	Road Name	Average Daily Traffic Count
Mainline Pipeline (cont'd)			
Washtenaw	252.2	State Street	334
Washtenaw	252.3	Watson Street	Not Available
Washtenaw	252.4	Wiard Rd	3,213
Washtenaw	252.4	Connecting Road	Not Available
Washtenaw	252.8	Tyler Road	1,820
Washtenaw	252.9	Ramp	3,213
Washtenaw	252.9	Connecting Rd	Not Available
Washtenaw	253.0	Airport Dr	1,024
Washtenaw	253.0	Wiard Rd	Not Available
Washtenaw	253.0	Thoroughbred Rd	Not Available
Washtenaw	253.0	Northern Dr	Not Available
Washtenaw	254.0	US 12 Ramp	20,000
Washtenaw	254.0	US-12 Eastbound	23,945
Washtenaw	254.0	US 12 Overpass	Not Available
Washtenaw	254.0	US Hwy 12 Westbound	23,900
Washtenaw	N/A	Wiard Road	3,200
Washtenaw	N/A	Ridge Highway	6,600
Washtenaw	N/A	Dennison Road	500
Washtenaw	N/A	Mooreville Road	7,000
Washtenaw	N/A	Stony Creek Road	5,800
Washtenaw	N/A	Rawsonville Road	12,000

a Approximate milepost along the pipeline rounded to the nearest tenth. If a milepost number is not applicable (N/A), then the road does not cross the pipeline route.

Sources: Ohio: ODOT, 2015a; 2015b.
Michigan: MDOT, 2015; State of Michigan, 2013.

APPENDIX L-2

AVERAGE DAILY TRAFFIC COUNTS ON ROADS IN THE TEAL PROJECT AREA

APPENDIX L-2

Average Daily Traffic Counts on Roads in the TEAL Project Area

State, Facility, County	Milepost [a]	Road Name	Average Daily Traffic Count
OHIO			
Loopline			
Monroe	N/A	Ohio State Route 145	1,690
Monroe	N/A	Township Hwy 945	Not Available
Monroe	0.1	Headley Ridge Road	216
Monroe	1.4	Brock Ridge Road	Not Available
Monroe	2.6	Cain Ridge Road	Not Available
Monroe	N/A	Township Hwy 702	Not Available
Monroe	3.5	Dry Ridge Road	Not Available
Monroe	N/A	German Ridge Road	442
Monroe	N/A	Krebs Hill Road	516
Monroe	3.6	Ohio State Route 556	800
Connecting Pipeline			
Columbiana	N/A	US 30	7,250
Columbiana	N/A	Ohio State Route 644	1,670
Columbiana	N/A	Hagen Road	Not Available
Columbiana	N/A	Tunnel Hill Road	Not Available
Proposed Salineville Compressor Station			
Columbiana	N/A	US 30	7,250
Columbiana	N/A	Ohio State Route 644	1,670
Columbiana	N/A	Ohio State Route 518	720
Columbiana	N/A	Yellow Creek Church Road	Not Available
Line 73 Launcher/Receiver Site			
Monroe	N/A	Krebs Hill Road	516
Monroe	N/A	Steiger Ridge Road	Not Available
Line 73 Regulator Site			
Monroe	N/A	German Ridge Road	442
Monroe	N/A	Township Hwy 211	Not Available
Monroe	N/A	Township Hwy 210	Not Available

a Approximate milepost along the pipeline rounded to the nearest 0.1 of a mile. If a milepost number is not applicable (N/A), then the road does not cross the pipeline route.

Sources: ODOT, 2015a; 2015b.

APPENDIX L-3

RACIAL, ETHNIC, AND POVERTY STATISTICS FOR CENSUS TRACTS WITHIN 1 MILE OF THE NGT PIPELINE AND MAJOR ABOVEGROUND FACILITIES IN OHIO

APPENDIX L-3

Racial, Ethnic, and Poverty Statistics for Census Tracts Within 1 Mile of the NGT Pipeline and Major Aboveground Facilities in Ohio

Location	Total Population [a]	White (%) [a, b]	African American (%) [a]	Native American & Alaska Native (%) [a]	Asian (%) [a]	Native Hawaiian & Pacific Islander (%) [a]	Other Race (%) [a]	Two or More Races (%) [a]	Hispanic or Latino Origin - Any Race (%) [a]	Total Minority Population (%) [a]	Percent Below Poverty Level (%) [c]
FEDERAL											
U.S.	311,536,594	74	12.6	0.8	4.9	0.2	4.7	2.8	16.6	26.0	15.4
STATE											
Ohio	11,290,586	82.9	12.1	0.2	1.7	0.0	0.8	2.2	3.2	17.1	15.8
LOCAL											
Carroll County *											
CT 7201	3,544	98.3	0.0	0.0	0.0	0.0	1.1	0.6	1.1	1.7	6.4
Columbiana County											
CT 9509	3,921	97.2	1.1	0.0	0.6	0.0	0.0	0.9	0.2	2.8	6.1
CT 9510 [d]	5,633	95.7	1.6	0.0	1.1	0.0	0.3	0.3	1.1	4.3	16.0
CT 9512 [d]	4,926	96.3	0.0	1.2	0.0	0.0	0.1	1.9	0.5	3.7	12.2
Erie County											
CT 403	6,090	95.1	0.4	0.4	0.5	0.1	1.0	2.3	1.4	4.9	12.6
CT 417	6,470	93.0	0.0	0.1	0.3	0.0	0.4	1.7	5.4	7.0	8.1
CT 418	6,360	95.3	0.6	0.2	0.5	0.0	0.0	2.2	1.3	4.7	5.8
Fulton County											
CT 401	3,095	94.0	0.5	0.0	0.1	0.0	2.7	2.0	3.2	6.0	9.5
CT 402	4,596	95.5	0.8	0.2	0.0	0.0	0.3	0.2	3.4	4.5	6.7
CT 403	4,891	96.6	0.0	0.0	0.6	0.0	0.1	1.6	1.2	3.4	10.1
Henry County											
CT 1	4,892	93.6	0.9	0.2	0.1	0.3	0.3	0.7	4.3	6.4	10.9
Huron County											
CT 9154	4,818	97.7	0.0	0.7	0.0	0.0	0.1	0.9	0.8	2.3	10.4
Lorain County											
CT 571	3,790	91.0	0.7	0.0	0.1	0.0	0.1	0.8	7.3	9.0	7.0
CT 601	3,720	63.9	24.4	0.0	0.6	0.0	0.5	9.2	5.3	36.1	12.4
CT 602	5,489	75.5	10.8	0.1	4.2	0.1	0.2	7.7	2.4	24.5	18.6
CT 771	3,450	95.8	0.9	0.0	0.3	0.0	0.0	0.0	3.0	4.2	7.3
CT 921	2,438	94.4	0.3	0.0	0.7	0.0	0.0	0.8	4.3	5.6	5.5
CT 931	2,958	97.1	0.1	1.2	0.0	0.0	0.4	0.5	1.1	2.9	8.7
CT 941	8,159	96.6	0.3	0.0	0.2	0.0	0.0	1.2	1.7	3.4	4.2
CT 951	8,822	80.6	15.0	0.4	0.6	0.0	0.8	1.7	1.9	19.4	2.2
Lucas County											

APPENDIX L-3 (cont'd)

Racial, Ethnic, and Poverty Statistics for Census Tracts Within 1 Mile of the NGT Pipeline and Major Aboveground Facilities in Ohio

Location	Total Population [a]	White (%) [a, b]	African American (%) [a]	Native American & Alaska Native (%) [a]	Asian (%) [a]	Native Hawaiian & Pacific Islander (%) [a]	Other Race (%) [a]	Two or More Races (%) [a]	Hispanic or Latino Origin - Any Race (%) [a]	Total Minority Population (%) [a]	Percent Below Poverty Level (%) [c]
LOCAL (cont'd)											
Lucas County											
CT 89.01	5,133	94.4	1.1	1.0	1.0	0.0	0.0	0.9	3.0	5.6	6.3
CT 89.02 [d]	6,242	92.3	0.6	0.0	4.2	0.0	0.2	0.5	2.6	7.7	4.9
CT 93	1,772	99.3	0.6	0.0	0.0	0.0	0.0	0.1	0.0	0.7	4.9
CT 96	3,348	94.1	0.6	0.4	2.6	0.0	0.1	0.3	2.9	5.9	7.3
Medina County											
CT 4020	5,176	94.5	0.0	0.3	0.0	0.0	0.3	0.3	4.8	5.5	4.9
CT 4030.01	3,283	96.9	0.0	0.8	0.0	0.0	1.9	0.4	0.0	3.1	8.5
CT 4030.02	3,135	95.9	0.7	0.0	0.2	0.0	0.0	1.4	1.9	4.1	3.0
CT 4070	6,380	94.6	0.3	0.0	2.3	0.0	0.7	1.6	1.1	5.4	2.5
CT 4081	7,209	86.7	9.2	0.9	0.0	0.0	0.0	1.4	2.1	13.3	12.2
CT 4082.01	4,220	89.5	4.3	0.0	0.3	0.0	4.2	0.2	2.4	10.5	18.0
CT 4090.02	4,591	93.7	1.4	0.0	0.9	0.0	1.4	2.1	1.7	6.3	7.4
CT 4120	4,243	98.9	0.1	0.0	0.1	0.0	0.0	0.4	0.5	1.1	2.8
CT 4130 [d]	5,496	97.5	0.2	0.0	0.2	0.0	1.1	0.6	0.4	2.5	5.0
CT 4172	7,306	95.1	0.0	1.1	0.3	0.0	0.0	2.0	1.9	4.9	4.3
CT 4173	4,699	94.5	0.4	0.0	0.9	0.0	1.1	3.1	0.9	5.5	13.0
Sandusky County											
CT 9608	3,534	96.7	0.2	0.0	0.5	0.0	0.7	0.7	1.9	3.3	7.4
CT 9609	3,434	94.6	0.4	0.0	0.0	0.0	0.6	1.3	4.1	5.4	10.4
CT 9610	4,081	90.0	0.2	0.9	1.6	0.8	0.2	2.0	5.9	10.0	9.5
CT 9621 [d]	4,897	97.2	0.3	0.0	0.1	0.0	0.2	1.5	0.9	2.8	8.9
Stark County											
CT 7109	4,356	94.9	2.4	0.0	0.0	0.0	0.0	2.7	0.1	5.1	3.6
CT 7110	7,229	96.2	0.7	0.0	0.0	0.0	0.0	3.0	0.1	3.8	5.7
CT 7111.12	5,414	98.3	0.0	0.0	1.1	0.0	0.5	0.0	0.2	1.7	1.7
CT 7111.21	6,552	92.1	1.1	0.0	1.3	0.0	0.0	2.8	2.6	7.9	2.3
CT 7111.22	5,802	92.1	0.6	0.0	5.4	0.0	0.4	0.0	1.9	7.9	10.8
CT 7112.11	6,695	97.5	0.5	0.0	0.0	0.0	0.3	1.7	0.2	2.5	8.7
CT 7113.11	8,046	91.0	1.1	0.0	3.4	0.0	0.1	2.9	2.4	9.0	3.7
CT 7121.02	7,406	87.8	2.4	0.0	0.2	0.0	1.1	6.5	2.1	12.2	11.8
CT 7127	5,502	99.0	0.0	0.0	0.2	0.0	0.0	0.1	0.6	1.0	6.3

APPENDIX L-3 (cont'd)

Racial, Ethnic, and Poverty Statistics for Census Tracts Within 1 Mile of the NGT Pipeline and Major Aboveground Facilities in Ohio

Location	Total Population [a]	White (%) [a, b]	African American (%) [a]	Native American & Alaska Native (%) [a]	Asian (%) [a]	Native Hawaiian & Pacific Islander (%) [a]	Other Race (%) [a]	Two or More Races (%) [a]	Hispanic or Latino Origin - Any Race (%) [a]	Total Minority Population (%) [a]	Percent Below Poverty Level (%) [c]
LOCAL (cont'd)											
CT 7128	4,780	96.7	0.5	0.0	0.4	0.0	0.0	1.5	0.9	3.3	8.8
Summit County											
CT 5314.01	7,176	97.3	0.3	0.0	0.1	0.0	0.0	1.8	0.5	2.7	5.3
CT 5315	8,186	92.1	0.9	0.0	3.8	0.0	0.0	2.0	1.3	7.9	5.5
CT 5316.02	3,032	98.1	0.0	0.5	1.4	0.0	0.0	0.0	0.0	1.9	1.1
CT 5317.01	3,552	96.1	1.4	0.0	0.4	0.0	0.0	0.5	1.5	3.9	6.5
CT 5317.02	4,421	99.1	0.0	0.2	0.0	0.0	0.0	0.0	0.7	0.9	8.8
CT 5320.01	3,697	95.1	2.7	0.0	0.0	0.0	0.3	0.3	1.9	4.9	8.6
CT 5329.99	5,977	89.3	4.9	0.0	2.1	0.0	0.0	3.3	0.5	10.7	9.4
Wayne County											
CT 29.01	3,588	97.2	0.3	0.0	0.4	0.0	0.0	1.2	1.5	2.8	8.2
CT 29.02	5,099	95.7	1.9	0.0	0.0	0.0	0.0	0.8	2.5	4.3	4.6
CT 34	3,228	94.1	0.8	0.0	1.1	0.0	0.0	3.9	0.0	5.9	17.7
CT 35	3,522	98.9	0.0	0.5	0.0	0.0	0.0	0.6	0.0	1.1	6.9
Wood County											
CT 207	6,611	92.1	1.0	0.0	2.7	0.0	2.4	0.0	2.6	7.9	18.0
CT 210	3,913	96.2	0.1	0.0	0.3	0.0	1.9	0.7	3.4	3.8	6.0
CT 211	3,930	89.6	0.3	0.2	1.0	0.0	1.1	4.0	6.3	10.4	8.7
CT 212	5,649	91.8	1.4	0.0	1.6	0.0	0.5	2.3	2.9	8.2	4.5

a U.S. Census Bureau, 2013c.
b White Alone, Not Hispanic or Latino
c U.S. Census Bureau, 2013d.
d Census tract contains an aboveground facility.
* Includes census tracts within one mile of the proposed pipeline facilities and major aboveground facilities, but Carroll County does not contain any NGT Project facilities.
Grey highlighted values indicate percentage exceeds thresholds defined in text, and is an environmental justice population.

APPENDIX L-4

RACIAL, ETHNIC, AND POVERTY STATISTICS FOR CENSUS TRACTS WITHIN 1 MILE OF THE NGT PIPELINE AND MAJOR ABOVEGROUND FACILITIES IN MICHIGAN

APPENDIX L-4

Racial, Ethnic, and Poverty Statistics for Census Tracts within 1 Mile of the NGT Pipeline and Major Aboveground Facilities in Michigan

Location	Total Population [a]	White (%) [a, b]	African American (%) [a]	Native American & Alaska Native (%) [a]	Asian (%) [a]	Native Hawaiian & Pacific Islander (%) [a]	Other Race (%) [a]	Two or More Races (%) [a]	Hispanic or Latino Origin – Any Race (%) [a]	Total Minority Population (%) [a]	Percent Below Poverty Level (%) [c]
FEDERAL											
U.S.	311,536,594	74	12.6	0.8	4.9	0.2	4.7	2.8	16.6	26.0	15.4
STATE											
Michigan	9,886,095	79.3	14	0.6	2.5	0.0	1.1	2.5	4.5	20.7	16.8
LOCAL											
Lenawee County											
CT 601	3,581	93.4	1.6	0.3	0.8	0.0	0.1	2.1	2.3	6.6	8.4
CT 612	1,776	91.2	0.0	0.0	0.1	0.0	0.6	3.2	6.4	8.8	9.1
CT 620	2,872	89.6	0.5	0.6	0.0	0.0	1.1	4.2	6.9	10.4	10.5
CT 621	4,385	93.7	0.0	0.0	0.0	0.0	1.3	2.3	5.0	6.3	9.0
CT 622	2,603	93.4	0.0	0.0	0.8	0.0	4.6	0.0	2.7	6.6	15.0
Monroe County											
CT 8307	3,482	94.7	1.1	0.0	0.0	0.0	0.0	0.9	3.9	5.3	7.3
CT 8308	6,718	96.9	0.0	0.1	0.6	0.0	0.2	1.8	0.8	3.1	16.5
Washtenaw County											
CT 4074	5,376	37.8	40.2	0.8	2.6	0.0	3.2	11.1	7.4	62.2	21.7
CT 4119 [d]	3,938	59.0	30.8	1.4	0.9	0.0	0.3	5.0	3.4	41.0	25.8
CT 4120	3,991	69.0	17.6	0.5	0.2	0.0	0.3	9.2	4.3	31.0	19.2
CT 4121	3,456	53.7	31.6	1.9	0.5	0.0	0.0	6.3	6.9	46.3	22.0
CT 4123	2,928	22.4	68.3	0.6	0.5	0.0	0.0	7.4	0.8	77.6	17.6
CT 4126	2,710	55.8	31.7	0.6	2.3	0.0	0.5	5.2	4.5	44.2	17.9
CT 4127	4,972	56.5	29.1	2.0	4.4	0.0	0.0	5.8	4.6	43.5	21.0
CT 4130	3,685	46.6	47.7	0.0	1.6	0.0	0.4	0.9	3.1	53.4	15.1
CT 4132	4,151	72.5	17.5	0.0	0.0	0.0	0.6	7.0	6.1	27.5	14.0
CT 4134.02	5,244	66.3	23.0	0.2	3.8	0.0	1.5	4.7	2.8	33.7	2.4
CT 4200	3,469	85.2	5.1	0.4	0.0	0.0	0.3	7.2	2.0	14.8	7.3
CT 4202	3,304	88.4	5.7	0.0	0.2	0.0	1.6	3.8	0.2	11.6	5.9
CT 4211	3,797	89.2	0.0	0.0	1.9	0.0	0.0	4.6	4.3	10.8	5.1
CT 4219	1,350	35.2	43.0	2.0	0.0	0.0	7.3	5.9	17.2	64.8	0.0
CT 4222	7,250	91.8	0.7	0.0	1.1	0.0	0.9	2.6	3.5	8.2	2.3
CT 9840	58	100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.8
Wayne County											
CT 5645.04	6,099	67.1	12.1	0.0	15.2	0.0	0.3	2.4	3.3	32.9	6.0

APPENDIX L-4 (cont'd)

Racial, Ethnic, and Poverty Statistics for Census Tracts within 1 Mile of the NGT Pipeline and Major Aboveground Facilities in Michigan

Location	Total Population [a]	White (%) [a, b]	African American (%) [a]	Native American & Alaska Native (%) [a]	Asian (%) [a]	Native Hawaiian & Pacific Islander (%) [a]	Other Race (%) [a]	Two or More Races (%) [a]	Hispanic or Latino Origin – Any Race (%) [a]	Total Minority Population (%) [a]	Percent Below Poverty Level (%) [c]
LOCAL (cont'd)											
CT 5881	2,457	86.7	6.5	0.0	0.0	0.0	1.0	5.5	2.7	13.3	19.0
CT 5882	3,080	47.6	44.8	0.3	0.7	0.0	1.3	2.6	3.4	52.4	20.2
CT 5883	5,325	79.3	15.5	0.0	1.5	0.0	0.0	2.8	1.2	20.7	5.5
CT 5894	5,613	84.1	8.7	0.0	0.0	0.0	0.0	1.5	5.7	15.9	13.1

a U.S. Census Bureau, 2013a
b White Alone, Not Hispanic or Latino
c U.S. Census Bureau, 2013b
d Census tract contains an aboveground facility
Grey highlight = Values indicate percentage exceeds thresholds defined in text and is an environmental justice population

APPENDIX L-5

RACIAL, ETHNIC, AND POVERTY STATISTICS FOR CENSUS TRACTS WITHIN 1 MILE OF THE TEAL PIPELINE AND MAJOR ABOVEGROUND FACILITIES

APPENDIX L-5

Racial, Ethnic, and Poverty Statistics for Census Tracts Within 1 Mile of the TEAL Pipeline and Major Aboveground Facilities

Location	Total Population [a]	White (%) [a, b]	African American (%) [a]	Native American & Alaska Native (%) [a]	Asian (%) [a]	Native Hawaiian & Pacific Islander (%) [a]	Other Race (%) [a]	Two or More Races (%) [a]	Hispanic or Latino Origin – Any Race (%) [a]	Total Minority Population (%) [a]	Percent Below Poverty Level (%) [a]
FEDERAL											
U.S.	311,536,594	74	12.6	0.8	4.9	0.2	4.7	2.8	16.6	26.0	15.4
STATE											
Ohio	11,290,586	82.9	12.1	0.2	1.7	0.0	0.8	2.2	3.2	17.1	15.8
LOCAL											
Belmont County											
CT 101	4,268	93.6	3.2	0.0	0.0	0.0	0.1	3.2	0.0	6.4	16.8
CT 103 [d]	3,245	99.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	8.3
Carroll County*											
CT 7201	3,544	98.3	0.0	0.0	0.0	0.0	1.1	0.6	1.1	1.7	6.4
Columbiana County											
CT 9510	5,633	95.7	1.6	0.0	1.1	0.0	0.3	0.3	1.1	4.3	16.0
CT 9512 [d]	4,926	96.3	0.0	1.2	0.0	0.0	0.1	1.9	0.5	3.7	12.2
Jefferson County*											
CT 121	2,894	99.0	0.3	0.0	0.0	0.0	0.0	0.5	0.1	1.0	11.4
Monroe County											
CT 9666	3,373	98.6	0.0	0.2	0.0	0.0	0.0	0.9	0.3	1.4	14.8
CT 9667	3,737	95.6	0.4	0.3	0.0	0.0	0.0	3.1	1.3	4.4	13.9

a U.S. Census Bureau, 2013a
b White Alone, Not Hispanic or Latino
c U.S. Census Bureau, 2013b
d Census tract contains an aboveground facility
* Includes census tracts within 1 mile of the proposed pipeline facilities and major aboveground facilities, but Carroll and Jefferson Counties do not contain any project facilities
Grey highlight = Values indicate percentage exceeds thresholds defined in text and is an environmental justice population

APPENDIX M

NSA FIGURES

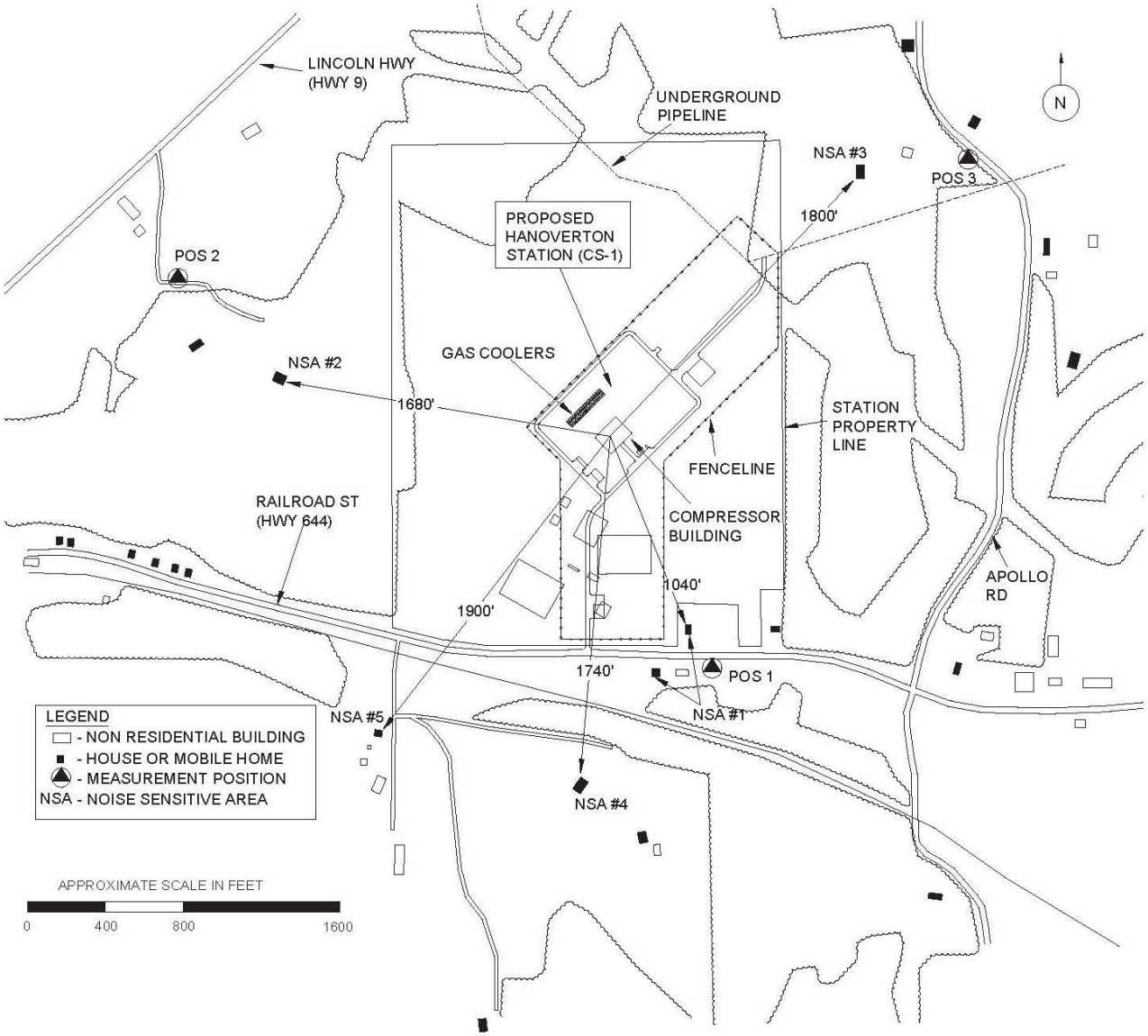

Figure 4.12.2-1
NGT and TEAL Projects
Noise-Sensitive Areas near the Hanoverton Compressor Station

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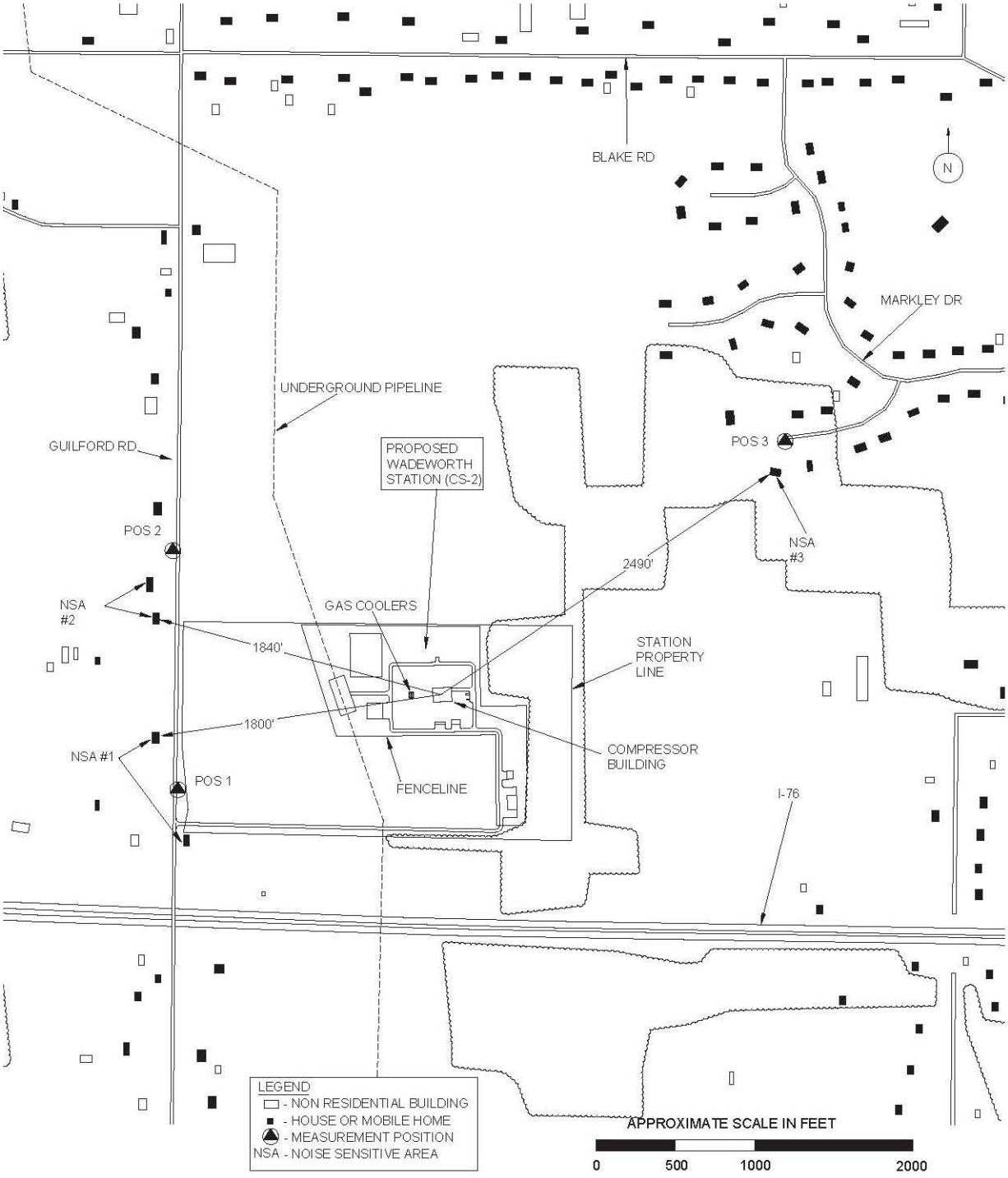

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Figure 4.12.2-2
NGT and TEAL Projects
Noise Sensitive Areas near the
Wadsworth Compressor Station

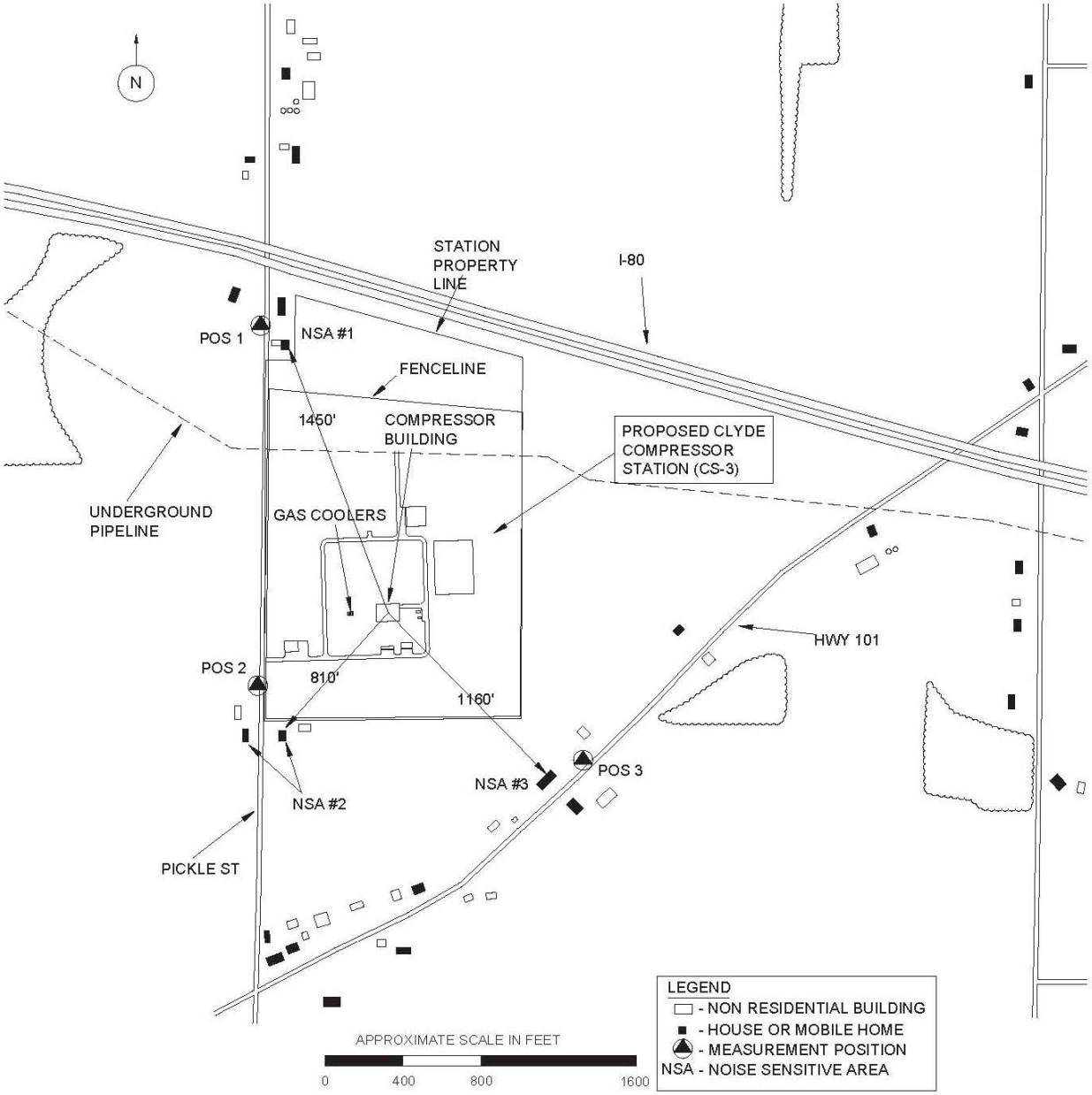

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Figure 4.12.2-3
NGT and TEAL Projects
Noise-Sensitive Areas near the Clyde Compressor Station

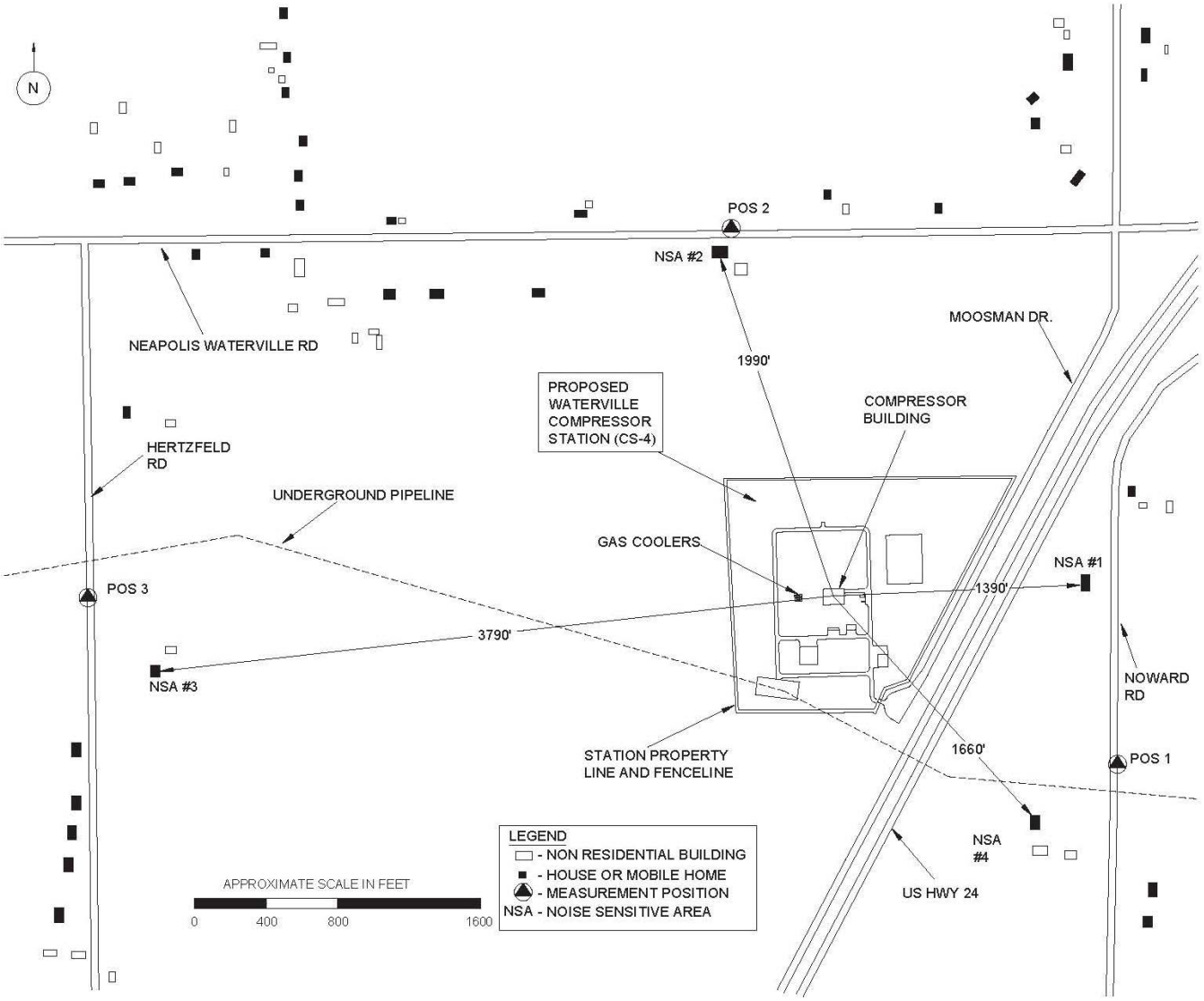

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Figure 4.12.2-4
NGT and TEAL Projects
Noise-Sensitive Areas near the Waterville Compressor Station

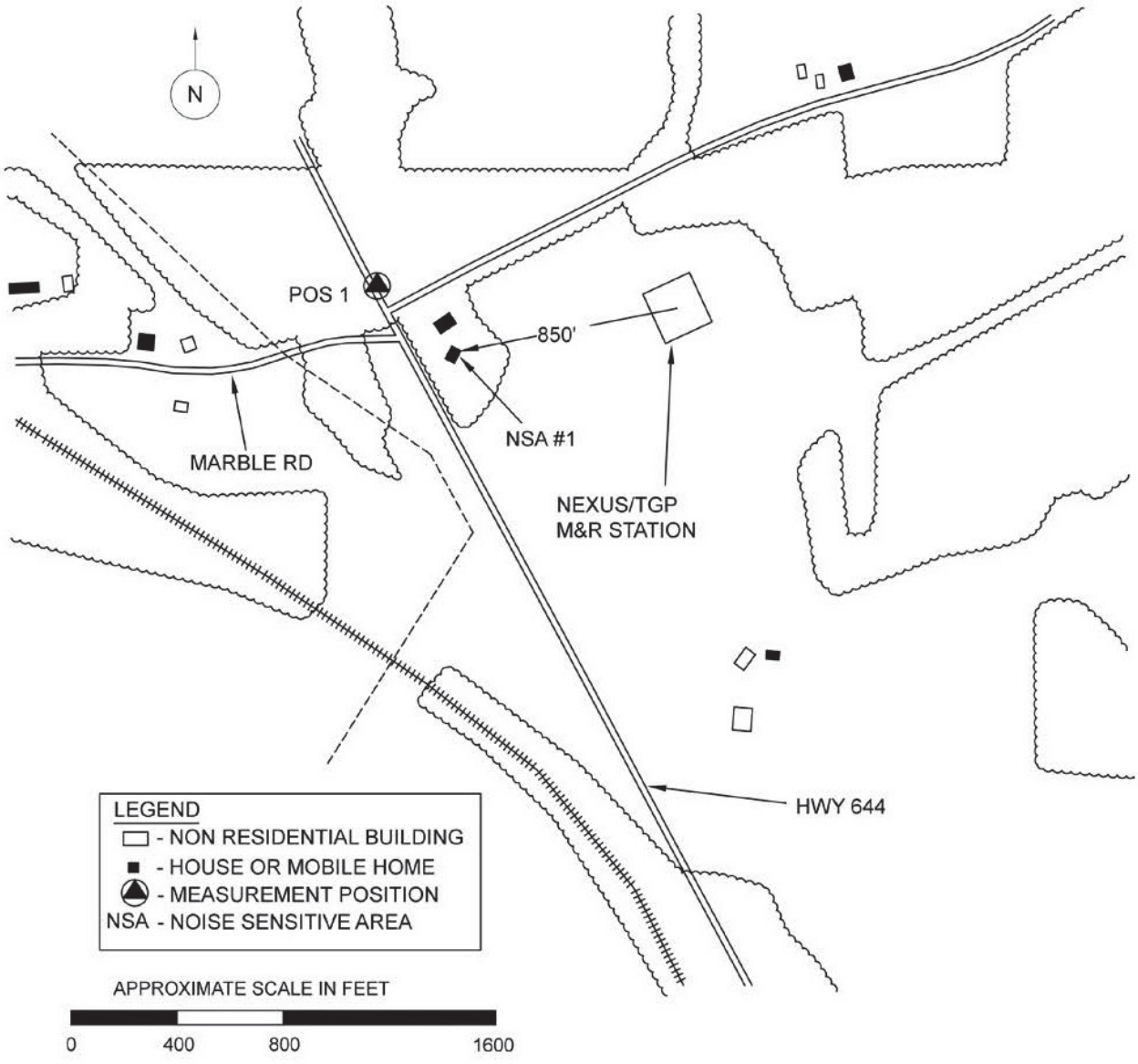

Figure 4.12.2-5
NGT and TEAL Projects
Noise-Sensitive Areas near the MR01 M and R Station

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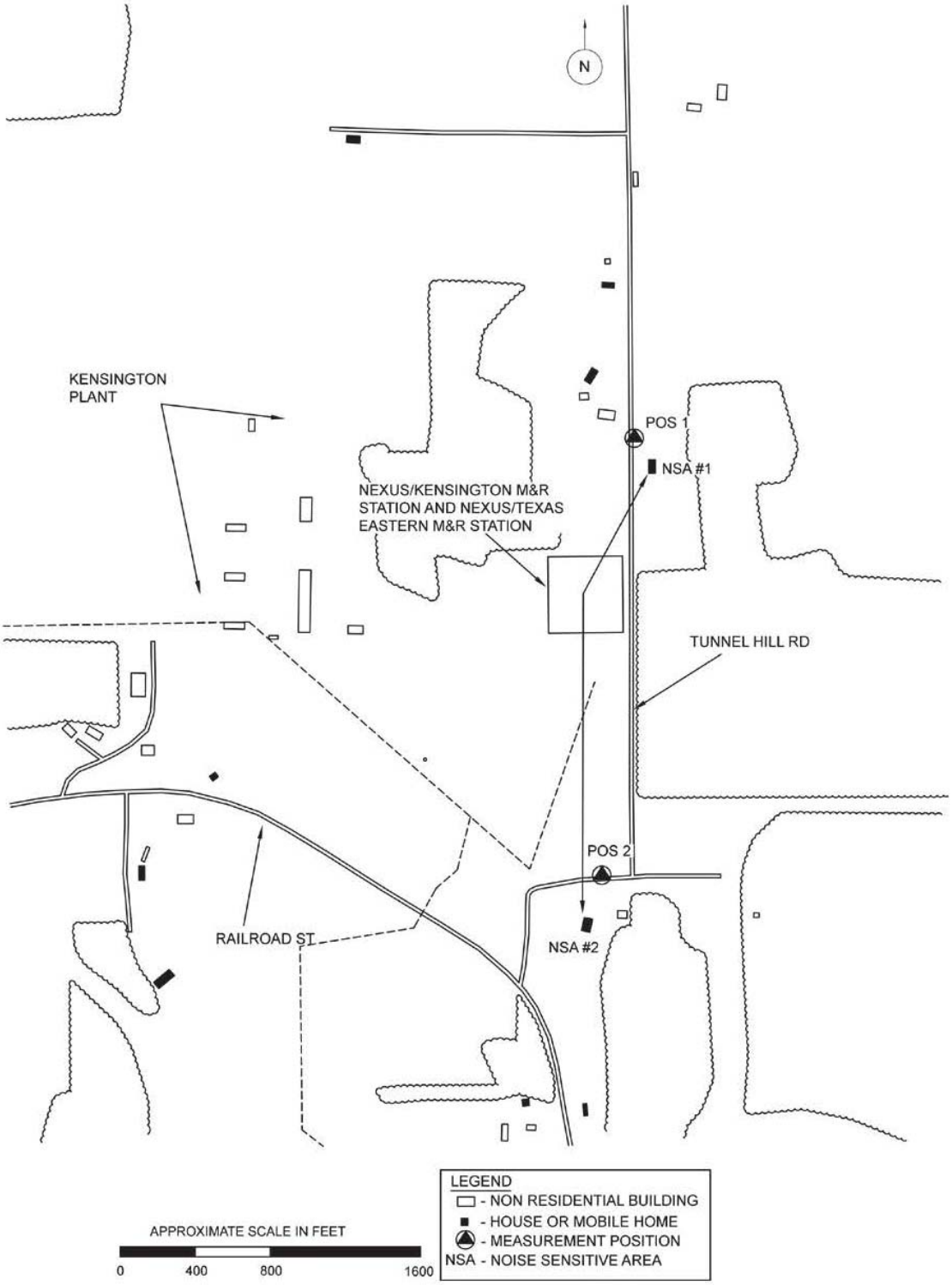

Figure 4.12.2-6
NGT and TEAL Projects
Noise-Sensitive Areas near the MR02 and MR03 M and R Stations

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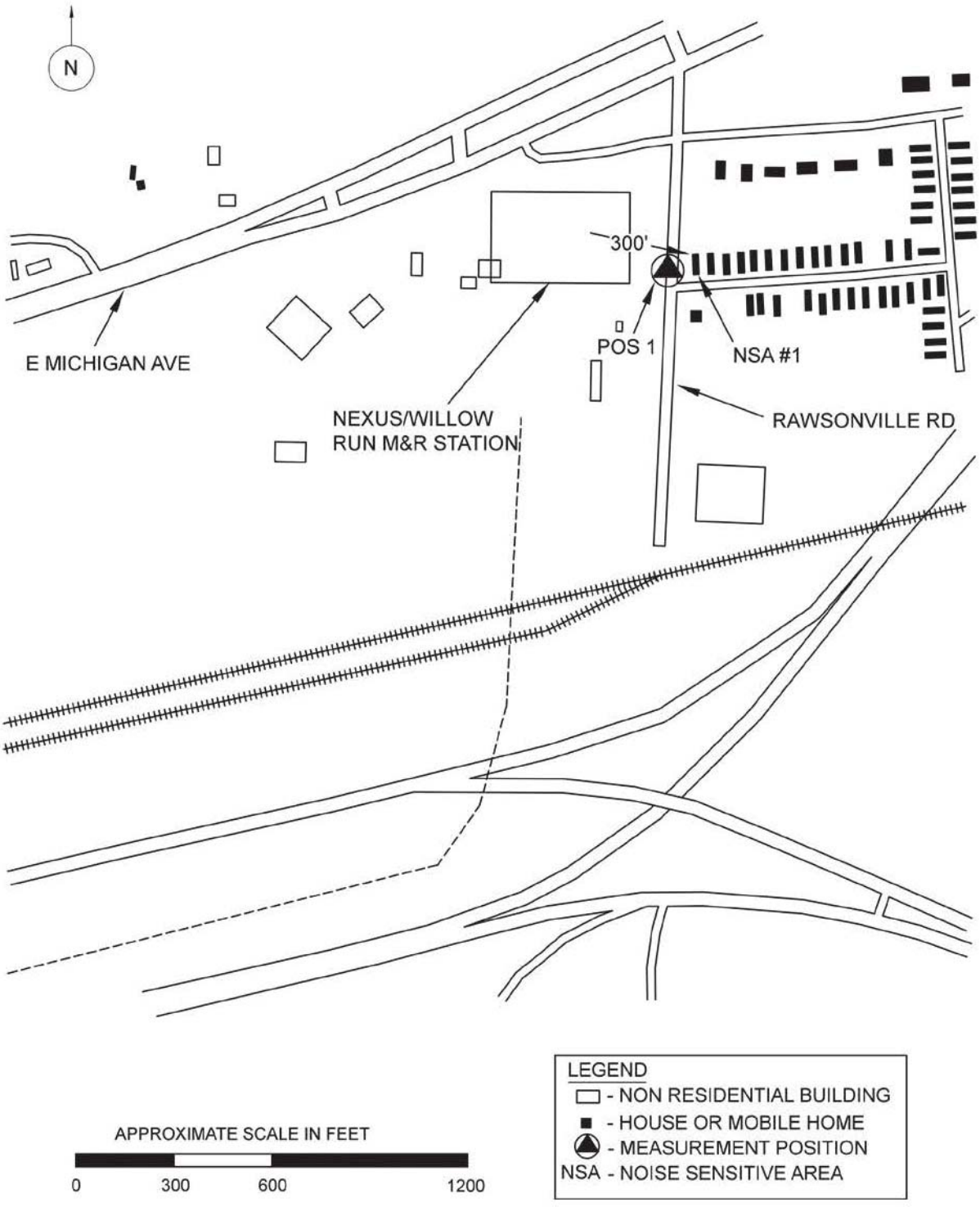

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Date: (2/19/2016)

Figure 4.12.2-7
NGT and TEAL Projects
Noise-Sensitive Areas near the MR04 M and R Station

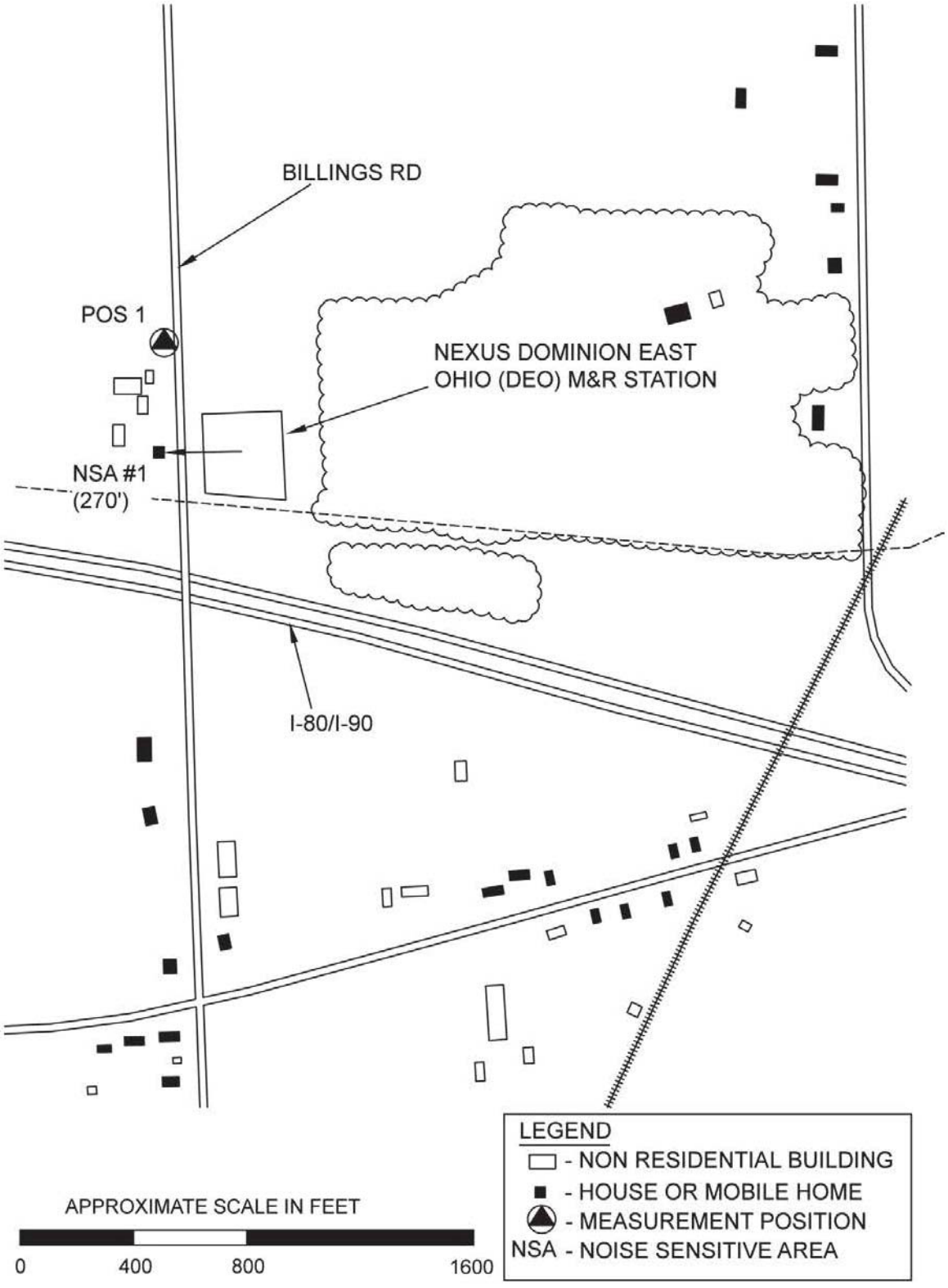

Figure 4.12.2-8
NGT and TEAL Projects
Noise-Sensitive Areas near the MR05 M and R Station

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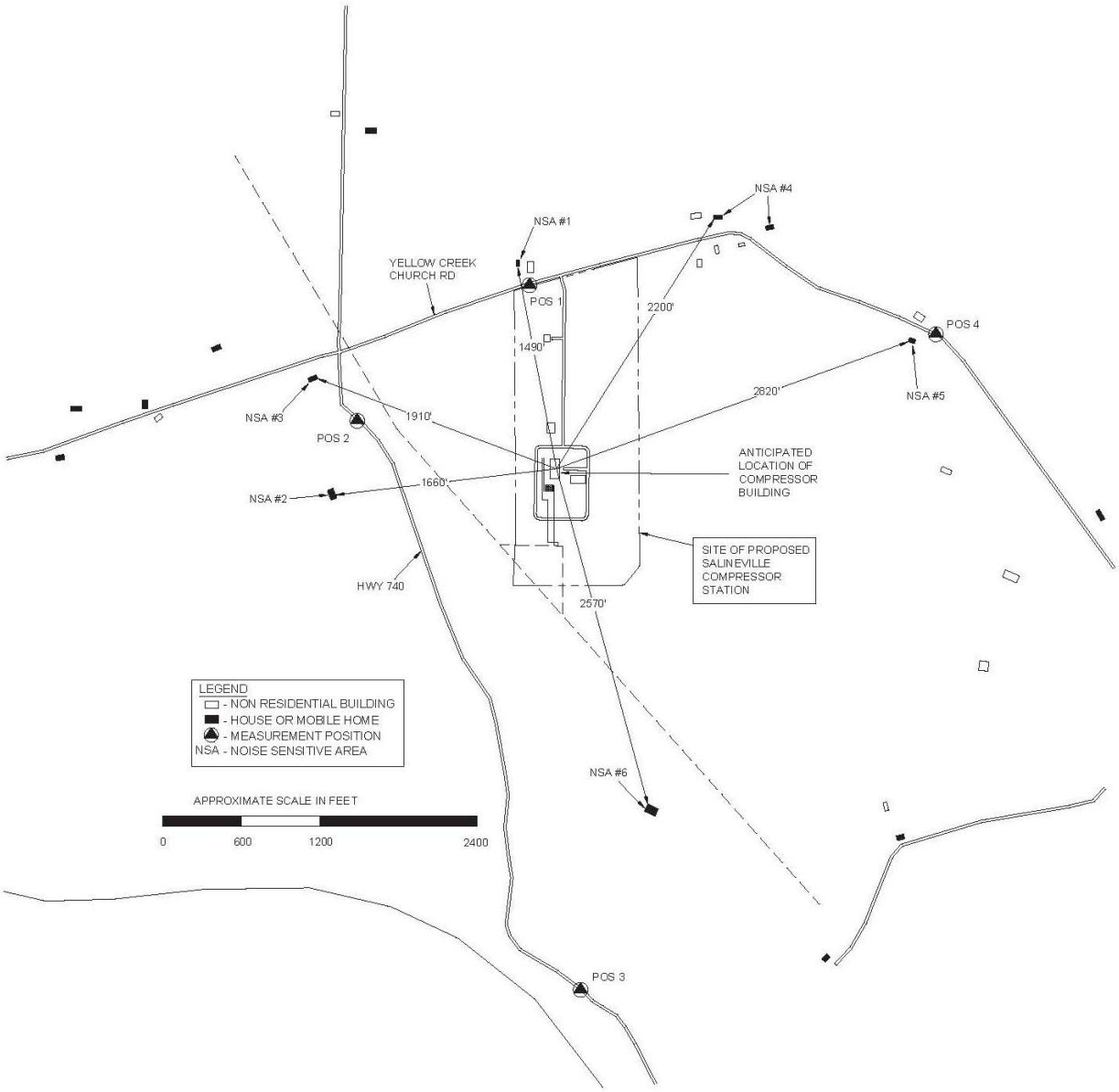

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Date: (2/19/2016)

Figure 4.12.2-9
NGT and TEAL Projects
Noise-Sensitive Areas near the Salineville Compressor Station

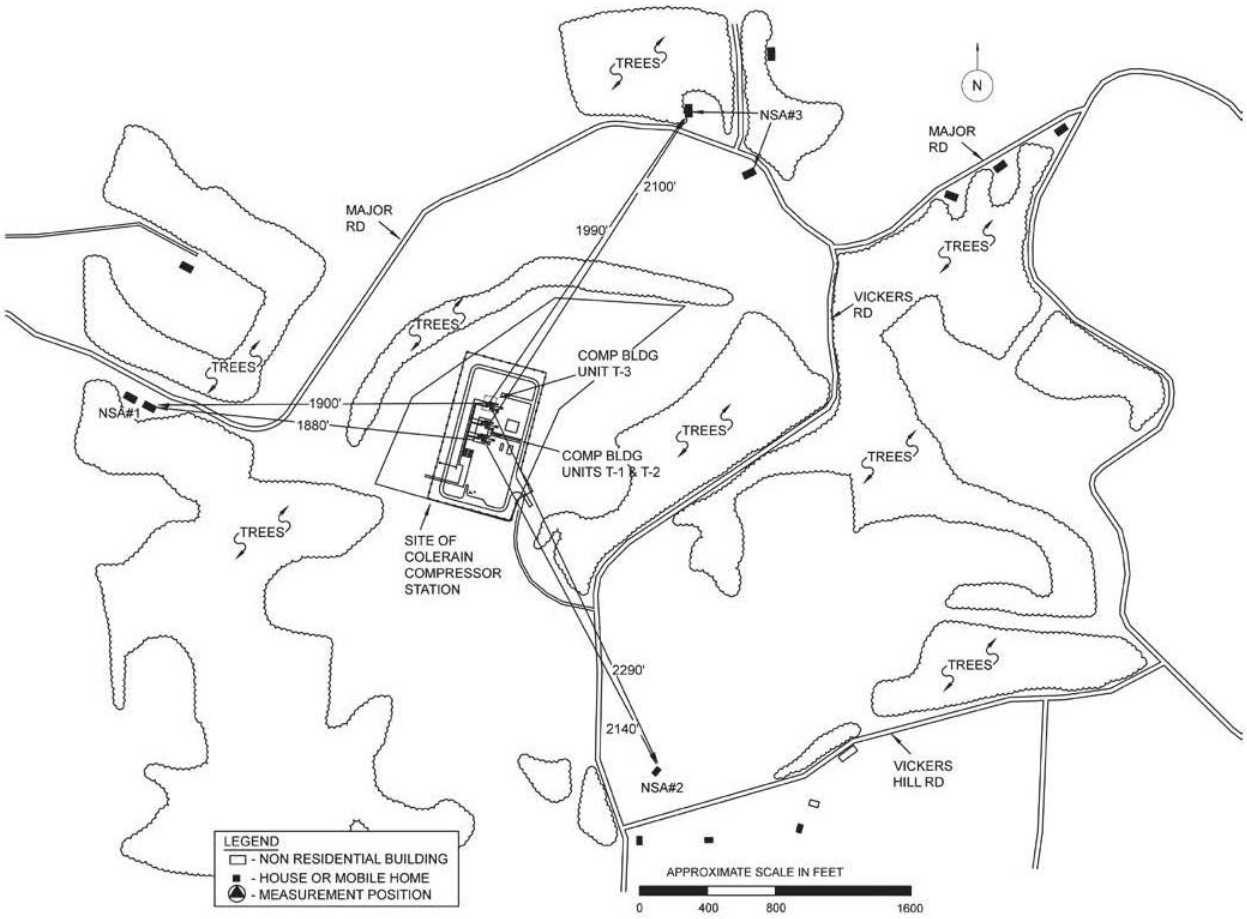

Figure 4.12.2-10
NGT and TEAL Projects
Noise-Sensitive Areas near the Colerain Compressor Station

Date: (2/19/2016) Source: Z:\Clients\Q_R\Spectra\Nexus\ArcGIS\2016\01\DELS\Noise\Figure_4.12.2-10.mxd

APPENDIX N

RECENTLY COMPLETED, CURRENT, AND POTENTIAL FUTURE PROJECTS NEAR THE NGT AND TEAL PROJECTS

APPENDIX N (cont'd)

Recently Completed, Current, and Potential Future Projects near the NGT and TEAL Projects

Company, Project, County, State	Approximate Distance from Project Facilities (mi)	Project Description	Project Status
NGT PROJECT			
Texas Eastern Transmission LP Ohio Pipeline Energy Network Project Columbiana County, OH	0.3	Approximately 76 miles of new 30-inch mainline pipeline and ancillary facilities in Ohio, including a new compressor station in Colerain Township and reverse flow modifications at existing compressor stations along Texas Eastern's existing mainline in Ohio, Kentucky, Mississippi, and Louisiana.	Under construction with a planned in-service date of November 2015. FERC Docket No. CP14-68-000
State Route (SR) 14F Columbiana County, OH	10	Construct new four-lane limited access highway from US Route 62 in Columbiana County to SR 11 in Mahoning County.	Ongoing 2005 to 2025.
US Route 62 (Hubbard Arterial) Highway Work Columbiana County, OH	10	Construct new four-lane arterial from US Route 62F to Interstate 80.	Ongoing 2014-2030.
US Route 30 Highway Work Columbiana and Stark Counties, OH	0	Construct new four-lane limited access highway from SR 44 to SR 9.	Ongoing 2011-2030.
Columbia Pipeline Group Pipeline Improvement Project Stark County, OH	6.5 to 12	Replacement of more than 20,000 feet of gas pipeline in North Lawrence and Navarre.	Work is ongoing and will continue into 2017.
Energy Transfer Rover Pipeline Project Carroll, Stark, Wayne, Wood, Fulton, Lucas Counties, OH	25	Project consists of 711 miles of 24-inch, 30-inch, 36-inch and 42-inch pipelines with 10 supply laterals, 3 mainlines, 9 compressor stations, and associated meter stations and other aboveground facilities in parts of West Virginia, Pennsylvania, and Ohio.	Construction is requested to begin summer 2016 with an in-service date of Q1/Q2 2017. FERC Docket No. CP15-93-000
FirstEnergy Transmission Glenwillow-Bruce Mansfield Project Columbiana County, OH	8	Project involves building 114.5 miles of new 345-kV transmission line through Trumbull, Columbiana, Mahoning, Portage, Summit and Cuyahoga Counties in Ohio and Beaver County in Pennsylvania. A new substation will be constructed in Glenwillow, Ohio.	In service June 2015.
CAK International Business Park Development Summit County, OH	--	Project involves future development of existing commercial industrial park. Lots have not been developed but are available for sale.	Construction schedule unknown.
Kinder Morgan Utopia East Project Stark, Wayne, Huron, Sandusky, Wood, Henry, Lucas, and Fulton Counties, OH	MP 0 to 195	Involves construction of 240-mile, 12-inch diameter pipeline from Harrison County, Ohio to Kinder Morgan's existing pipeline and facilities in Fulton County, Ohio, where the company would then move product eastward to Windsor, Ontario, Canada. The Utopia East system would transport previously refined or fractionated natural gas liquids, including ethane and ethane-propane mixtures.	Construction is planned to begin in November 2016 with an in-service date of January 2018.
Woods at Silver Creek Ltd. Residential Subdivision Wayne County, OH	0.1	Tract OH-WA-026.0000. Woods at Silver Creek Ltd. – Township approved 65 allotments for future development.	Approved by Township since 2003. Construction schedule unknown.
A R Lockhart Development Co. Shopping Center, Apartment Complex, Residential Development Project Wayne and Medina Counties, OH	0	Tracts OH-WA-030.0000, OH-ME-030.0000-TAR-3-53.6, OH-ME-030.0100, OH-WA-000.0001-SA-2-SPRD-2. Project contingent upon developer installing sewage line. Plans have been filed with the county, but zoning has not been approved.	Plans filed with the county.

APPENDIX N (cont'd)

Recently Completed, Current, and Potential Future Projects near the NGT and TEAL Projects

Company, Project, County, State	Approximate Distance from Project Facilities (mi)	Project Description	Project Status
NGT PROJECT (cont'd)			
Wadsworth Airport Expansion Medina County, OH	0	South of property. Tract OH-ME-007.0000. Airport expansion plans are from 2008. The airport master plan (February 2009) essentially rebuilds the north-south runway to a distance of 5,000 feet.	Unknown. According to the City, the project will begin in the next 4-5 years.
Damar Valley LLC **Residential Subdivision Project** Medina County, OH	0	Tract OH-ME-016.0000. Project proposed on 68-acre property.	Potential future project; however, no plans have been filed by the landowner.
Private Landowner **Residential Subdivision Project** Medina County, OH	0	Tracts OH-ME-060.0000, OH-ME-062.0000, OH-ME-063.0000. Plans to subdivide property along road frontage on Blake and Guilford roads.	Potential future project; however, no plans have been filed by the landowner.
Private Landowner **Residential Subdivision Project** Medina County, OH	0	Tract OH-ME-077.0000. Plans to subdivide 40-acre lot.	Potential future project; however, no plans have been filed by the landowner.
VGL Properties LLC **Property Development** Medina County, OH	0	Tracts OH-ME-116.0000, OH-ME-117.0000. Stone driveways and paths to be created for outdoor public attractions.	In process of obtaining permits.
TransCanada **ANR East Pipeline Project** Wayne County, OH	23.7	Pipeline would consist of approximately 320 miles of large diameter, 1,440 pounds per square inch gauge maximum allowable operating pressure pipeline with up to 140,000 horsepower of compression and a daily capacity between 1.2 and 2.0 billion cubic feet.	TransCanada has not entered the FERC's pre-filing process.
Columbia Pipeline Group **Pipeline Improvement Project** Medina County, OH	4	Columbia Gas is replacing more than 10,000 feet of gas pipeline.	Completed in October 2015.
Columbia Pipeline Group **Pipeline Improvement Project** Lorain County, OH	1	Columbia Gas is replacing more than 16,000 feet of gas pipeline.	Completed in 2014.
Widen and rehab SR 57 between Ohio Turnpike and I-90 in City of Elyria Lorain County, OH	5	Widening and rehabilitation of SR 57 to occur between the Ohio Turnpike and I-90 in the city of Elyria. Project will also include reconfiguration of the SR 57 and I-90 interchange and removal of the 49th St. bridge. Two lanes will be maintained on SR 57 during construction; however, 49th Street will be closed indefinitely. Midway Mall Boulevard and Griswold Road will be closed during construction.	Construction started in May 2014 and is expected to be completed in summer 2016.
West Park, LLC **Commercial Park Project** Lorain County, OH	0	Tracts OH-LO-094.0000, OH-LO-095.0000. Plans for 35-acre commercial park to be updated and/or renovated.	Potential future project; no plans filed. Recently sold to Western Land Conservancy.
Columbia Pipeline Group **Pipeline Improvement Project** Lorain County, OH	1	Replacing more than 16,000 feet of gas pipeline in two locations.	Completed in 2014.
Columbia Pipeline Group **Pipeline Improvement Project** Huron County, OH	6.5	Replacing more than 10,000 feet of gas pipeline in Willard.	Completed in 2015.

APPENDIX N (cont'd)

Recently Completed, Current, and Potential Future Projects near the NGT and TEAL Projects

Company, Project, County, State	Approximate Distance from Project Facilities (mi)	Project Description	Project Status
NGT PROJECT (cont'd)			
Columbia Pipeline Group Pipeline Improvement Project Huron County, OH	20	Replacing more than 10,000 feet of gas pipeline in Norwalk.	Completed in 2015.
2015 Road Construction Project Huron County, OH	5	Construct bridge replacement by Lovers Lane.	Completion expected on October 31, 2015.
Avery Commerce Park, LLC Commercial Park Project Erie County, OH	0.2	Tract OH-ER-106.0020-TAR-7. Plans for 67-acre commercial park to be updated and/or renovated.	Potential future project; however, no plans have been filed by the landowner.
Columbia Pipeline Group Pipeline Improvement Project Erie County, OH	6.2	Replacing more than 25,000 feet of gas pipeline in the vicinity of Hayes Avenue.	Completed in 2015.
FirstEnergy Transmission Hayes-West Fremont Project Erie County, OH	0.5	Approximately 30 miles of new 138-kV transmission line extending from a new substation (Hayes Substation) in Erie County to an existing West Fremont Substation in Sandusky County.	Construction is proposed to start in May 2017 with an in-service date of August 31, 2018.
2014 Construction Projects on I-90 Sandusky County, OH	0	Projects will involve base pavement replacement from Milepost 101.2 to 107.3. Resurfacing will occur in both east and westbound lanes.	Estimated completion date is November 2015.
State of Ohio and Sandusky County creating new intersection/road Sandusky County, OH	0.1	Involves construction of a new intersection at 53 and Ohio Turnpike about 800 feet south of proposed pipeline. New intersection at turnpike would intersect the proposed pipeline route.	Construction planned for 2016.
Ohio DOT Anthony Wayne Bridge (SR 2) Widening Project Lucas County, OH	11	The Anthony Wayne Bridge (SR 2) over the Maumee River in downtown Toledo is closed through September 2015 for bridge reconstruction. Work includes re-decking the bridge, replacing existing truss spans, improving substructures, installing new street lighting, and rebuilding sidewalks, railings, and fencing.	Started in July 2014 and proposed to be completed by December 2015.
Ohio DOT I-75 Reconstruction Project Lucas County, OH	11	Involves reconstructing over 3 miles of pavement from Dorr Street to Central Avenue in downtown Toledo. Will also add a third lane to 32 miles of I-75.	Started in summer 2014 and proposed to be completed by summer 2016.
Columbia Pipeline Group Pipeline Improvement Project Lucas County, OH	10.6	Replacing more than 95,000 feet of gas pipeline in the Toledo area.	Completed 2015.
Jefferson Street Widening and Improvement Project Wood County, OH	5	Widen and reconstruct 1,848 feet of pavement and construct 492 feet of new pavement on Jefferson Street, install curbs and gutters, major drainage improvements, culvert crossing of Kohl Ditch, sidewalks, extend waterline and sanitary sewer, extend left turn lane on SR 25, widen corner radii at Waters Edge Drive/Williams Road intersection.	Phase A completed in 2014. Phase B to be performed and completed in 2015.
FirstEnergy Transmission Dowling Substation and Transmission Line Project Wood County, OH	5	Includes extending an existing transmission line by 150 feet and constructing a new substation in Wood County.	In-service in June 2015.

APPENDIX N (cont'd)

Recently Completed, Current, and Potential Future Projects near the NGT and TEAL Projects

Company, Project, County, State	Approximate Distance from Project Facilities (mi)	Project Description	Project Status
NGT PROJECT (cont'd)			
Columbia Pipeline Group Pipeline Improvement Project Wood County, OH	6.7	Replacing more than 25,000 feet of gas pipeline in Bowling Green area.	Completed in 2015.
Browning Masonic Community, Inc. Retirement Home Build Out Lucas County, OH	0	Tracts OH-LC-016.0000, OH-LC-017.0000, OH-LC-017.0000-TAR-1-182.1, OH-LC-019.0000, OH-LC-000.0001-SA-1-SPRD3, OH-LC-019.0000-VS. Plans to build a retirement community with housing and other facilities on the property.	Plans filed.
Noward Road Rebuild Project Lucas County, OH	1	Rebuilding Waterville Township RD 137 (Noward) between Highway 64 and Neopolis Waterville Rd.	Construction planned for spring 2017.
2014 Lucas Culvert Projects Lucas County, OH	1	Lucas County will replace culverts in the following locations: 935 Jeffers Road, 989 Perry Road, and 1038 Manore Road.	Completed in 2014.
Ohio DOT I-475 Bridge Widening Project Lucas County, OH	4	Replace and widen three bridges on I-475. Bridges are located over Wolf Creek, Norfolk Southern Railroad tracks, and Angola Road.	Proposed to be completed in August 2016.
Ohio DOT McCord Rd Railroad Grade Separation Project Lucas County, OH	5	Involves building an underpass at the Norfolk Southern railroad and constructing a roundabout at the intersection of McCord Road and North Mall Drive/Hill Street.	Started in June 2014 and proposed to be completed by November 2016.
Ohio DOT I-475/US23 Improvement Project Lucas County, OH	5	Involves improving movements at the I-475/U.S. 23 systems interchange, including adding through-lanes from southbound U.S. 23 to I-475 and correcting weave movement from eastbound I-475 to southbound U.S. 23 and Central Avenue.	Two-year construction project began in August 2015.
2015 Monroe County Road Construction Projects Monroe County, MI	Varies	Monroe 2015 Road Construction.	Completed 2015.
Crescent Hills Associates, LLC Residential Subdivision Project Monroe County, MI	0	Tract MI-MR-049.0000-SC. Planned subdivision expansion would take up entire parcel. There are two existing lines.	Potential future project; however, no plans have been filed by the landowner.
2015 and 2016 Road Construction Projects Washtenaw County, MI	1	Washtenaw County Road Construction.	Ongoing 2016.
2015 Washtenaw County Road Construction Projects Washtenaw County, MI	Varies	Washtenaw 2015 Road Construction.	Completed.
Bridge Replacement and Construction Project Washtenaw County, MI	3.4	Small bridge along Arkona Road in Saline is being replaced.	Completed 2015.
Subdivision Expansion Washtenaw County, MI	0	Tract MI-WA-048.0000. Easterly expansion of the subdivision is proposed on the property to the west of the parcel.	Tentatively breaking ground on road construction in spring 2016.

APPENDIX N (cont'd)

Recently Completed, Current, and Potential Future Projects near the NGT and TEAL Projects

Company, Project, County, State	Approximate Distance from Project Facilities (mi)	Project Description	Project Status
NGT PROJECT (cont'd)			
2014 Monroe County Road Construction Projects Monroe County, MI	Varies	Monroe 2014 Road Construction.	Ongoing.
Planned Apartment Complex and Gas/Service Station Washtenaw County, MI	0	Tracts MI-WA-112.0000, MI-WA-112.0000-TAR-9.251.1, MI-WA-112.0000-HTAR-2. Apartment complex and restaurant construction proposed along southern portion of the lake. Gas station and retail space proposed in northeast corner of property.	Plans filed with Ypsilanti Township.
Utica/Point Pleasant Shale Horizontal Wells Stark, Wayne, Columbiana, and Medina Counties, OH	Varies	About 650 drilling permits have been issued. Wells are in various stages of production (permitted, drilling, or producing). (Data pulled March 2016.)	Ongoing.
TEAL PROJECT			
Energy Transfer Rover Pipeline Project Outside of TEAL counties	0.1	Consists of 711 miles of 24-inch, 30-inch, 36-inch and 42-inch pipelines consisting of 10 supply laterals, 3 mainlines, 9 compressor stations, and associated meter stations and other aboveground facilities in parts of West Virginia, Pennsylvania, and Ohio.	Construction is requested to begin summer 2016 with an in-service date of Q1/Q2 2017. FERC Docket No. CP15-93-000
Slope Maintenance and Slide Repair Monroe County, OH	9.9	Rock slope maintenance on SR 800 and slide repair on SR 255.	Completed in 2015.
Culvert Construction and Repair Monroe County, OH	9.2	Culvert construction, reconstruction, and repair on SR 78.	Construction scheduled for 2015.
Texas Eastern Transmission LP Access South Project, Adair Southwest Project, and Lebanon Extension Project Monroe, Noble, Meigs, and Athens Counties, OH	0.7	Includes proposed modifications to existing facilities along its pipeline system in Pennsylvania, Ohio, Kentucky, Tennessee, Alabama, and Mississippi. The facilities are expected to be located primarily within Texas Eastern's current footprint. They include 15.8 miles of 36-inch pipeline loop segments, most of which will be either within or adjacent to Texas Eastern's current right-of-way. Modifications to existing aboveground facilities at 12 compressor stations include installation of additional electric horsepower and other improvements.	Construction is planned to begin in March 2017. The projected in-service date is November 1, 2017.
Road Resurfacing Monroe County, OH	8.0	Road resurfacing on SR 724, and SR 26/800.	Construction scheduled for 2015.
Columbia Gas Transmission, LLC Leach XPress Project Monroe County, OH	0.1	Involves construction of approximately 157 miles of 30-inch and 36-inch natural gas pipelines, along with associated compression and other appurtenant facilities, in southeastern Ohio and West Virginia's northern panhandle.	Construction is planned to begin in late 2016, with a targeted in-service date during the second half of 2017. FERC Docket No. PF14-23.
Road resurfacing Belmont County, OH	2.2	Two-lane road resurfacing along SRs 7, 9, 145, 147, 148, 149, and US 40.	Completed in 2015.
Road and Historic Bridge Enhancement Belmont County, OH	6.8	County Road 7 streetscape in Shadyside and bike path tunnel under US 40.	Completed November 2015.

APPENDIX N (cont'd)

Recently Completed, Current, and Potential Future Projects near the NGT and TEAL Projects

Company, Project, County, State	Approximate Distance from Project Facilities (mi)	Project Description	Project Status
TEAL PROJECT (cont'd)			
US 40 Road Enhancement Belmont County, OH	4.5	US 40 enhancement (sidewalks and resurfacing).	Completed October 2015.
I-70 Bridge Replacement Projects Belmont County, OH	6.0	Three structures to be replaced at Bridgeport interchange, including Marion St. Bridge over I-70 and the eastbound on- and off-ramp structures to I-70. Various Marion St. and ramp closures during construction.	Completed November 2015.
Various local bridge and culvert projects Belmont County, OH	3.9	Bridge repair, replacement, historic enhancement, and culvert replacement and repair.	Construction scheduled throughout 2015.
Slope Repair Belmont County, OH	9.5	Slope repair on SR 149.	Construction scheduled for March to July 2015.
SR 7 at I-470 Ramp Intersection Belmont County, OH	7.5	Safety improvement project, including signals at I-470 ramp intersection. Traffic will be maintained.	Completed October 2015.
Slope Repair Jefferson County, OH	8.7	Two projects within 5 miles from Rush Run to north of Brilliant. SR 7 has been reduced to one lane due to multiple rock slides on both sides of Brilliant since 2011.	Construction ongoing from April 2015 to June 2018.
Texas Eastern Transmission LP **Ohio Pipeline Energy Network Project** Columbiana, Jefferson, Belmont, and Monroe Counties, OH	0.0	Approximately 76 miles of new 30-inch mainline pipeline and ancillary facilities in Ohio, including a new compressor station in Colerain Township and reverse flow modifications at existing compressor stations along Texas Eastern's existing mainline in Ohio, Kentucky, Mississippi and Louisiana.	In-service in November 2015.
TransCanada **ANR East Pipeline Project** Outside of TEAL counties	0.5	Pipeline would consist of approximately 320 miles of large diameter, 1,440 pounds per square inch gauge maximum allowable operating pressure pipeline with up to 140,000 horsepower of compression and a daily capacity between 1.2 and 2.0 billion cubic feet.	TransCanada has not entered the FERC's pre-filing process.
SRs 164 and 644 Columbiana and Jefferson Counties, OH	2.3	SR 164 will be resurfaced from Bergholz's north corporation line through Salineville and SR 644 will be resurfaced north of Salinesville's corporation.	Completed in 2015.
FirstEnergy Transmission **Glenwillow-Bruce Mansfield Project** Columbiana County, OH	16.5	Project involves building 114.5 miles of new 345-kV transmission line through Trumbull, Columbiana, Mahoning, Portage, Summit, and Cuyahoga Counties in Ohio and Beaver County in Pennsylvania. A new substation will be constructed in Glenwillow, Ohio.	In-service June 2015.
Culvert Replacement Columbiana County, OH	3.7	Culvert Replacement on SR 164.	Completed in 2015.
US Route 30 Highway Work Columbiana County, OH	1.9	Construct new four-lane limited access highway from SR 44 to SR 9.	Ongoing from 2011-2030.
Columbia Gas Transmission, LLC **E. Chestnut Street Pipeline Relocation** Columbiana County, OH	8.3	Replacing 4,159 feet of pipe.	In progress – June 2015.

APPENDIX N (cont'd)

Recently Completed, Current, and Potential Future Projects near the NGT and TEAL Projects

Company, Project, County, State	Approximate Distance from Project Facilities (mi)	Project Description	Project Status
TEAL PROJECT (cont'd)			
Bridge Enhancement Columbiana County, OH	8.4	Historic bowstring bridge renovation and enhancement at County Fairgrounds.	Construction scheduled for March to August 2015.
Columbia Gas Transmission, LLC Sunset Drive Pipeline Replacement Columbiana County, OH	7.8	Replacing 1,232 feet of pipe.	Completed in June 2015.
Road Resurfacing Columbiana County, OH	3.7	Road resurfacing of SRs 164 and 45.	Construction scheduled for May to August 2015.
Utica/Point Pleasant Shale Horizontal Wells Columbiana, Jefferson, Belmont, and Monroe Counties, OH	Varies	About 650 drilling permits have been issued. Wells are in various stages of production (permitted, drilling, or producing). (Data pulled March 2016.)	Ongoing.
Marcellus Shale Horizontal Wells Jefferson, Belmont, and Monroe Counties, OH	Varies	At least 43 wells permitted, of which 22 have been drilled and 14 are producing.	Ongoing.

Sources: Columbia Pipeline Group, 2015; ODOT, 2015c; FirstEnergy Corporation, 2016b; Somerset Gas Transmission Company, LLC, 2013.

APPENDIX O

LIST OF REFERENCES

Appendix O
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