



ROVER PIPELINE LLC

Rover Pipeline Project

Fugitive Dust Control Plan

February 2017

1.0 INTRODUCTION

The Rover Pipeline Project (Project) is a new natural gas pipeline system that will be constructed by Rover Pipeline LLC (Rover) and will consist of Supply Lateral and Mainline pipelines, compressor stations, and associated meter stations and other aboveground facilities that will be located in parts of West Virginia, Pennsylvania, Ohio, and Michigan. This Fugitive Dust Control Plan outlines the steps that would be followed **for the Project**.

2.0 DUST GENERATING ACTIVITIES

Construction related activities that have the potential for generating fugitive dust include, but are not limited, to the following:

- soil disturbance,
- movement of construction equipment on the construction site,
- use of unpaved or paved roads

3.0 MITIGATION PROCEDURES

It is the responsibility of the contractor and the Project Environmental Inspector(s) to ensure all sources of dust generation are identified and that appropriate mitigation steps are followed to ensure that potential effects are minimized. The Environmental Inspector has the authority to determine if/when water needs to be used for dust control and to stop work activities if a contractor does not comply with dust control measures.

Dust **abatement will be utilized** when it is deemed necessary pursuant to visual inspection by the Environmental Inspector or member of the Construction Management Team present. **In areas in nonattainment or maintenance for Particulate Matter with a diameter of 2.5 microns or less (PM_{2.5}), including all approved work areas in Belmont, Jefferson, and Stark counties, Ohio; Washington County, Pennsylvania; Marshall and Hancock counties, West Virginia; and Lenawee, Washtenaw, and Livingston counties, Michigan, Rover will apply dust abatement measures daily along the right-of-way and along all affected unpaved roads and staging areas in areas where construction is active, unless a rainfall of .25 inch or greater has occurred.** When and where dust abatement is appropriate, the following abatement measures will be utilized as needed and appropriate to the particular situation.

- Water trucks will be the primary means of dust abatement during all phases of construction. Water for dust control will be obtained from municipal water systems or other approved sources at a variety of locations along the pipeline routes and will be of potable quality. Table 1 below provides information on each waterbody crossed by the Project from which water may be obtained for use in dust suppression.



- Rover will limit the speed of vehicles at the construction sites and all pipeline ROW during construction to reduce the amount of fugitive dust generated.
- Speed shall be kept within the posted limits on public roads. Speed shall not exceed 25 mph for any vehicle on any private, unpaved surface. Speed limits on private areas shall be communicated during the daily safety meeting. Any employee violation of speed limits will lead to a written warning on the first offense and termination thereafter. Wherever possible, existing public and private roads and pipeline right-of-way will be utilized for access during construction. Where roads are paved, no dust mitigation may be necessary.
- The majority of the construction and operation equipment onsite will be modern equipment with Selective Catalytic Reduction (SCR) technology, which utilizes Diesel Exhaust Fluid (DEF), an emissions control liquid, to reduce emissions. The SCR equipment has an internal procedure that triggers a notification to the operator and limits operation of the equipment if the emissions exceed normal parameters, until the problem is corrected. In addition, the equipment will be properly maintained through the manufacturer's specified engine-maintenance procedures to reduce emissions. Other maintenance procedures will include washing the equipment prior to hauling it to the Project area.
- Gravel pads will be installed where the pipeline crosses paved, public roads, including federal, state, county, or township roads, at permanent access roads to aboveground facilities, and at access roads to contractor yards.
- As needed, all trackouts will be cleaned at the end of the workday; however, trackouts will be cleaned more frequently, as needed and determined by the Environmental Inspector. This may be performed by hand shoveling or mechanical or hand sweeping. Gravel pads may be installed adjacent to paved roadways to limit trackout, and clearly established and enforced traffic patterns may be used to route traffic over trackout control devices.
- Rover will limit speed on the right-of-way and along access roads, and will use water to suppress dust on the right-of-way and access roads. The Road Use Maintenance Agreements enacted across the Project area specify dust control measures as acceptable to the jurisdictional authority, which include use of dust suppressants in addition to water. In addition, there is contact information in the roadway agreements to facilitate any concerns from the jurisdictional authority or for any site-specific requests.
- Haul trucks shall be cleaned, covered, treated or secured to prevent the escape of materials likely to become airborne during transport.
- Blasting Mats will be utilized to contain dust and debris if blasting is utilized.

Finally, all project personnel will be educated on the Fugitive Dust Control Plan.



4.0 FIELD INSPECTION PROCEDURES AND RECORDKEEPING

Field inspection for dust control will occur daily. The pipeline contractor and Project Environmental Inspectors will be responsible for recording the following information on a daily basis:

- Weather conditions (temperature, wind speed, and direction)
- Number of water trucks in use
- Cases where visible dust was of such a concentration that abatement measures were implemented
- Presence of trackout and when it was cleaned
- Overall status of dust control compliance.

This information will be incorporated into the Project's Chief Environmental Inspector's daily report.

Table 1. Waterbodies for Potential Water Acquisition

Facility	Enter MP	State	Waterbody ID	Waterbody Name	Longitude	Latitude	Flow	Crossing Method
Berne Lateral	0.07	OH	S4H-MO-650	Clear Fork Little Muskingum River	-81.291347	39.770763	Perennial	Open Cut
Berne Lateral	0.33	OH	S4H-MO-651	UT to Clear Fork Little Muskingum River	-81.29794	39.772747	Perennial	Open Cut
Berne Lateral	0.89	OH	S9H-MO-123	Clear Fork Little Muskingum	-81.305564	39.782838	Perennial	Open Cut
Berne Lateral	1.33	OH	S3ES-MO-239	UT to South Fork	-81.30906	39.789193	Perennial	Open Cut
Berne/Seneca Lateral	2.68	OH	S1TB-NO-122	UT to Bishop Run	-81.325839	39.801989	Perennial	Open Cut
Berne/Seneca Lateral	2.87	OH	S1TB-NO-120	Bishop Run	-81.328185	39.802274	Perennial	Open Cut
Berne/Seneca Lateral	3.45	OH	S4H-NO-291	Glady Run	-81.337833	39.805858	Perennial	Open Cut
Burgettstown Lateral	0.39	PA	S4H-WA-442	Raccoon Creek	-80.363417	40.413469	Perennial	Open Cut
Burgettstown Lateral	1.38	PA	S4H-WA-450	UT to Raccoon Creek	-80.374578	40.421172	Perennial	Open Cut
Burgettstown Lateral	1.39	PA	S4H-WA-451	UT to Raccoon Creek	-80.374912	40.421673	Perennial	Open Cut
Burgettstown Lateral	1.79	PA	S4H-WA-452	UT to Raccoon Creek	-80.381724	40.423357	Perennial	Open Cut
Burgettstown Lateral	2.08	PA	S4H-WA-454	UT to Raccoon Creek	-80.38696	40.424327	Perennial	Open Cut
Burgettstown Lateral	2.37	PA	S4H-WA-457	UT to Raccoon Creek	-80.39239	40.424228	Perennial	Open Cut
Burgettstown Lateral	3.64	PA	S2H-WA-181	UT to Raccoon Creek	-80.408056	40.433579	Perennial	Open Cut
Burgettstown Lateral	5.06	PA	S2ES-WA-228	UT to Brush Run	-80.428539	40.437455	Perennial	Open Cut

Facility	Enter MP	State	Waterbody ID	Waterbody Name	Longitude	Latitude	Flow	Crossing Method
Burgettstown Lateral	5.56	PA	S4H-WA-545	UT to Brush Run	-80.438367	40.436243	Perennial	Open Cut
Burgettstown Lateral	5.79	PA	S4H-WA-556	UT to Kings Creek	-80.442614	40.436476	Perennial	Open Cut
Burgettstown Lateral	6.49	PA	S4H-WA-730	Kings Creek	-80.450676	40.445188	Perennial	Dry
Burgettstown Lateral	6.75	PA	S2ES-WA-241	UT to Kings Creek	-80.456174	40.445521	Perennial	Open Cut
Burgettstown Lateral	7.5	PA	S4H-WA-341	UT to Kings Creek	-80.465777	40.453487	Perennial	Open Cut
Burgettstown Lateral	8.72	PA	S4H-WA-598	UT to Aunt Clara Fork	-80.486891	40.458712	Perennial	Open Cut
Burgettstown Lateral	8.87	PA	S4H-WA-725	Aunt Clara Fork	-80.489687	40.458984	Perennial	Dry
Burgettstown Lateral	9.35	PA	S2ST-WA-119	UT to Aunt Clara Fork	-80.498363	40.460052	Perennial	Open Cut
Burgettstown Lateral	10.15	PA	S4H-WA-493	UT to Aunt Clara Fork	-80.513157	40.460701	Perennial	Open Cut
Burgettstown Lateral	11.19	WV	S3ES-HA-272	North Fork	-80.532018	40.46459	Perennial	Open Cut
Burgettstown Lateral	11.92	WV	S3ES-HA-154	UT to North Fork	-80.54352	40.467998	Perennial	Open Cut
Burgettstown Lateral	13.4	WV	S2ST-HA-121	UT to Holbert Run	-80.560525	40.483472	Perennial	NA
Burgettstown Lateral	14.72	WV	S4H-HA-682	UT to Holbert Run	-80.582458	40.48977	Perennial	Open Cut
Burgettstown Lateral	15	WV	WB4H-HA-686	Unnamed Pond	-80.58742	40.490904	Pond-Manmade	Open Cut
Burgettstown Lateral	16.41	OH	S4H-JE-689	UT to Croxton Run	-80.610986	40.478204	Perennial	Open Cut

Facility	Enter MP	State	Waterbody ID	Waterbody Name	Longitude	Latitude	Flow	Crossing Method
Burgettstown Lateral	16.72	OH	S1ES-JE-194	Croxton Run	-80.616516	40.479943	Perennial	Open Cut
Burgettstown Lateral	16.85	OH	S1ES-JE-188	Righthand Fork Croxton Run	-80.618289	40.481708	Perennial	Open Cut
Burgettstown Lateral	17.79	OH	S4ES-JE-183	Croxton Run	-80.633059	40.483912	Perennial	Open Cut
Burgettstown Lateral	18.26	OH	S4ES-JE-176	UT to Croxton Run	-80.641434	40.481695	Perennial	Open Cut
Burgettstown Lateral	18.96	OH	S4ES-JE-174	UT to Wildcat Hollow	-80.651819	40.477999	Perennial	Open Cut
Burgettstown Lateral	19.39	OH	S2ES-JE-200	Wildcat Hollow	-80.658834	40.474812	Perennial	Open Cut
Burgettstown Lateral	20.22	OH	S2ST-JE-112	UT to Island Creek	-80.673028	40.469281	Perennial	Dry
Burgettstown Lateral	20.68	OH	S2ES-JE-205	Hale Run	-80.681276	40.466946	Perennial	Open Cut
Burgettstown Lateral	21.44	OH	S2TB-JE-301	UT to Shelley Run	-80.694284	40.462653	Perennial	Open Cut
Burgettstown Lateral	21.47	OH	S2TB-JE-302	UT to Shelley Run	-80.694891	40.462723	Perennial	NA
Burgettstown Lateral	21.85	OH	S2TB-JE-304	Shelley Run	-80.701338	40.460491	Perennial	Open Cut
Burgettstown Lateral	22.46	OH	S2TB-JE-294	UT to Shelley Run	-80.712221	40.458381	Perennial	Open Cut
Burgettstown Lateral	22.73	OH	S2TB-JE-297	UT to Shelley Run	-80.715535	40.456018	Perennial	Open Cut
Burgettstown Lateral	23.27	OH	S4ES-JE-168	UT to Island Creek	-80.718468	40.449396	Perennial	Dry
Burgettstown Lateral	23.91	OH	S4ES-JE-173	UT to Island Creek	-80.729795	40.445858	Perennial	Dry

Facility	Enter MP	State	Waterbody ID	Waterbody Name	Longitude	Latitude	Flow	Crossing Method
Burgettstown Lateral	25.58	OH	S2TB-JE-287	UT to Town Fork	-80.759891	40.438945	Perennial	Open Cut
Burgettstown Lateral	26.19	OH	S2TB-JE-288	UT to Town Fork	-80.770301	40.441279	Perennial	Open Cut
Burgettstown Lateral	26.2	OH	S2TB-JE-276	UT to Town Fork	-80.770599	40.441274	Perennial	Open Cut
Burgettstown Lateral	26.58	OH	S2TB-JE-278	UT to Town Fork	-80.777237	40.439809	Perennial	Open Cut
Burgettstown Lateral	27.23	OH	S2ST-JE-108	UT to Town Fork	-80.786611	40.434391	Perennial	Open Cut
Burgettstown Lateral	27.73	OH	S2ST-JE-110	UT to Clay Lick	-80.795404	40.432185	Perennial	Dry
Burgettstown Lateral	28.21	OH	S2ST-JE-111	UT to Clay Lick	-80.804284	40.432744	Perennial	Dry
Burgettstown Lateral	28.94	OH	S2ST-JE-106	UT to Clay Lick	-80.817672	40.435616	Perennial	Dry
Burgettstown Lateral	29.16	OH	S2ST-JE-104	Clay Lick	-80.821681	40.43658	Perennial	Dry
Burgettstown Lateral	30.58	OH	S2ES-JE-191	UT to Leas Branch	-80.847234	40.437023	Perennial	Dry
Burgettstown Lateral	31.55	OH	S2TB-JE-285	UT to Salem Creek	-80.864744	40.436194	Perennial	Open Cut
Burgettstown Lateral	32.03	OH	S2ST-JE-102	UT to Salem Creek	-80.873813	40.435587	Perennial	Open Cut
Burgettstown Lateral	33.91	OH	S4ES-JE-156	Goose Creek	-80.907339	40.44082	Perennial	Open Cut
Burgettstown Lateral	35.46	OH	S4ES-JE-164	UT to Elk Lick	-80.936282	40.440163	Perennial	Open Cut
Burgettstown Lateral	36.02	OH	S2TB-CA-273	Elk Lick	-80.94682	40.440676	Perennial	Open Cut

Facility	Enter MP	State	Waterbody ID	Waterbody Name	Longitude	Latitude	Flow	Crossing Method
Burgettstown Lateral	36.05	OH	S2TB-CA-274	UT to Elk Lick	-80.94773	40.440604	Perennial	Open Cut
Burgettstown Lateral	36.76	OH	S2TB-CA-232	UT to Elk Lick	-80.960965	40.442095	Perennial	Open Cut
Burgettstown Lateral	37.34	OH	S2TB-CA-229	UT to Elk Lick	-80.971623	40.442555	Perennial	Open Cut
Burgettstown Lateral	39.67	OH	S2TB-CA-242	UT to Irish Creek	-81.015113	40.442256	Perennial	NA
Burgettstown Lateral	39.68	OH	S2TB-CA-241	UT to Irish Creek	-81.01534	40.442556	Perennial	Open Cut
Burgettstown Lateral	40.40	OH	S2TB-CA-238	UT to Irish Creek	-81.028892	40.442199	Perennial	NA
Burgettstown Lateral	40.45	OH	S2TB-CA-237	UT to Irish Creek	-81.030095	40.442195	Perennial	Open Cut
Burgettstown Lateral	40.71	OH	S2TB-CA-236	UT to Irish Creek	-81.034635	40.442193	Perennial	Open Cut
Burgettstown Lateral	40.86	OH	S2TB-CA-234	UT to Irish Creek	-81.036282	40.442071	Perennial	Open Cut
Burgettstown Lateral	41.81	OH	S2ES-CA-220	Dining Fork	-81.055327	40.441312	Perennial	Open Cut
Burgettstown Lateral	42.14	OH	S2TB-CA-264	UT to Dining Fork	-81.061823	40.441688	Perennial	Open Cut
Burgettstown Lateral	42.46	OH	S2TB-CA-261	UT to Dining Fork	-81.067847	40.442147	Perennial	Open Cut
Burgettstown Lateral	43.34	OH	S2TB-CA-266	Kirby Run	-81.082836	40.442527	Perennial	Open Cut
Burgettstown Lateral	43.70	OH	S2TB-CA-244	UT to Kirby Run	-81.089419	40.44216	Perennial	Open Cut
Burgettstown Lateral	44.28	OH	S2TB-CA-247	UT to Dining Fork	-81.099515	40.442903	Perennial	Open Cut

Facility	Enter MP	State	Waterbody ID	Waterbody Name	Longitude	Latitude	Flow	Crossing Method
Burgettstown Lateral	45.47	OH	S2ES-CA-178	UT to Scott Run	-81.121261	40.442482	Perennial	Open Cut
Burgettstown Lateral	45.83	OH	S2ES-CA-169	UT to Scott Run	-81.127888	40.442285	Perennial	Open Cut
Burgettstown Lateral	45.85	OH	S2ES-CA-170	UT to Scott Run	-81.128307	40.442584	Perennial	NA
Burgettstown Lateral	46.23	OH	S2ES-CA-167	UT to Conotton Creek	-81.135507	40.442894	Perennial	Open Cut
Burgettstown Lateral	46.53	OH	S2ES-CA-275	UT to Conotton Creek	-81.14079	40.44398	Perennial	Open Cut
Burgettstown Lateral	49.62	OH	S2ES-CA-185	Conotton Creek	-81.19622	40.444221	Perennial	Open Cut
Burgettstown Lateral	50.59	OH	S2TB-CA-998	UT to Conotton Creek	-81.214538	40.445894	Perennial	Open Cut
Cadiz Lateral	1.26	OH	S7H-HA-475	Brushy Fork	-81.050406	40.24848	Perennial	Open Cut
Cadiz Lateral	2.56	OH	S4H-HA-427	Brushy Fork	-81.071752	40.243281	Perennial	Open Cut
Cadiz Lateral	2.83	OH	S2ST-HR-124	UT to Brushy Fork	-81.075492	40.24436	Perennial	Open Cut
CGT Lateral	0.04	WV	S4H-DO-561	UT to Morgans Run	-80.692464	39.288198	Perennial	Open Cut
CGT Lateral	0.10	WV	S3ES-DO-210	Morgans Run	-80.693064	39.28503	Perennial	HDD
CGT Lateral	1.52	WV	S3H-DO-244	UT to Buckeye Run	-80.669919	39.286089	Perennial	Open Cut
CGT Lateral	1.65	WV	S3H-DO-248	UT to Buckeye Run	-80.667714	39.285992	Perennial	Open Cut
CGT Lateral	3.04	WV	S9H-DO-104	Waldo Run	-80.654258	39.293394	Perennial	Open Cut
CGT Lateral	5.63	WV	S1ES-DO-223	Flint Run	-80.622383	39.316202	Perennial	Open Cut
Clarington Lateral	1.23	OH	S7H-MO-420	Cat Run	-80.886737	39.850521	Perennial	Open Cut
Clarington Lateral	4.05	OH	S4ES-BE-201	Pea Vine Creek	-80.907508	39.884712	Perennial	Open Cut
Clarington Lateral	6.13	OH	S4H-BE-507	Captina Creek	-80.913243	39.908956	Perennial	HDD
Clarington Lateral	6.79	OH	S4H-BE-356	Rocky Fork	-80.917199	39.916653	Perennial	Open Cut
Clarington Lateral	10.03	OH	S4H-BE-353	UT to Anderson Run	-80.936841	39.956891	Perennial	Open Cut

Facility	Enter MP	State	Waterbody ID	Waterbody Name	Longitude	Latitude	Flow	Crossing Method
Clarington Lateral	10.56	OH	S4H-BE-351	UT to Anderson Run	-80.935474	39.963351	Perennial	Open Cut
Clarington Lateral	10.58	OH	S4H-BE-352	UT to Anderson Run	-80.935044	39.963614	Perennial	NA
Clarington Lateral	11.58	OH	S2H-BE-168	Williams Creek	-80.932443	39.97706	Perennial	Open Cut
Clarington Lateral	13.58	OH	S4ES-BE-197	UT to McMahan Creek	-80.941457	40.004388	Perennial	Open Cut
Clarington Lateral	14.61	OH	S3ES-BE-187	Hutchison Run	-80.944757	40.018522	Perennial	Open Cut
Clarington Lateral	15.63	OH	S3ES-BE-170	McMahan Creek	-80.955525	40.029962	Perennial	Open Cut
Clarington Lateral	15.9	OH	S3ES-BE-166	UT to Brush Run	-80.957282	40.033488	Perennial	Open Cut
Clarington Lateral	17.13	OH	S3ES-BE-194	Brush Run	-80.964373	40.050456	Perennial	Open Cut
Clarington Lateral	20.05	OH	S3H-BE-230	UT to Wheeling Creek	-80.984986	40.088394	Perennial	Open Cut
Clarington Lateral	20.47	OH	S4H-BE-358	UT to Wheeling Creek	-80.98776	40.093761	Perennial	Open Cut
Clarington Lateral	21.48	OH	S4H-BE-347	Wheeling Creek	-80.992247	40.108017	Perennial	Open Cut
Clarington Lateral	22.32	OH	S4ES-BE-195	UT to Wheeling Creek	-80.997179	40.11857	Perennial	Open Cut
Clarington Lateral	27.11	OH	WB7H-HA-389	UT to Crabapple Creek	-81.038084	40.176622	Pond-Manmade	NA
Clarington Lateral	28.52	OH	S4H-HA-345	UT to South Fork	-81.047989	40.195161	Perennial	Open Cut
Clarington Lateral	28.89	OH	S4H-HA-343	South Fork	-81.049288	40.20007	Perennial	Open Cut
Clarington Lateral	29.25	OH	S4H-HA-667	UT to South Fork	-81.051159	40.205096	Perennial	Open Cut
Clarington Lateral	30.60	OH	S4ES-HA-188	UT to South Fork	-81.063482	40.220949	Perennial	Open Cut
Clarington Lateral	31.19	OH	S4ES-HA-193	UT to South Fork	-81.071332	40.226457	Perennial	Open Cut
Clarington Lateral	32.09	OH	S8H-HR-203	Brushy Fork	-81.077657	40.237309	Perennial	Open Cut
Majorsville Lateral	0.34	WV	S2H-MA-196	UT Wheeling Creek	-80.539166	39.95772	Perennial	Open Cut
Majorsville Lateral	0.81	WV	S4H-MA-578	UT to Wheeling Creek	-80.544897	39.959663	Perennial	Open Cut
Majorsville Lateral	1.49	WV	S3ES-MA-159	UT to Jim Run	-80.557172	39.96287	Perennial	Open Cut
Majorsville Lateral	2.55	WV	S1ES-MA-180	Wheeling Creek	-80.574641	39.960119	Perennial	Open Cut
Majorsville Lateral	4	WV	S4H-MA-336	Stull Run	-80.600188	39.957043	Perennial	Open Cut
Majorsville Lateral	4.41	WV	S4H-MA-332	UT to Stull Run	-80.607525	39.957166	Perennial	Open Cut

Facility	Enter MP	State	Waterbody ID	Waterbody Name	Longitude	Latitude	Flow	Crossing Method
Majorsville Lateral	4.77	WV	S4H-MA-315	Big Run	-80.61412	39.957776	Perennial	Open Cut
Majorsville Lateral	5.22	WV	S4H-MA-317	UT to Big Run	-80.622545	39.958847	Perennial	Open Cut
Majorsville Lateral	5.66	WV	S4H-MA-319	Burch Run	-80.630246	39.960824	Perennial	Open Cut
Majorsville Lateral	5.67	WV	S4H-MA-320	UT to Burch Run	-80.63034	39.961231	Perennial	Open Cut
Majorsville Lateral	7.41	WV	S4H-MA-330	UT to Little Grave Creek	-80.658191	39.960293	Perennial	Open Cut
Majorsville Lateral	7.97	WV	S4H-MA-327	UT to Little Grave Creek	-80.669404	39.960419	Perennial	Open Cut
Majorsville Lateral	8.16	WV	S4H-MA-326	UT to Little Grave Creek	-80.672715	39.960593	Perennial	Open Cut
Majorsville Lateral	8.47	WV	S4H-MA-324	UT to Little Grave Creek	-80.678571	39.961261	Perennial	Open Cut
Majorsville Lateral	8.59	WV	S4H-MA-323	UT to Little Grave Creek	-80.680449	39.961691	Perennial	Open Cut
Majorsville Lateral	9.67	WV	S3ES-MA-128	Little Grave Creek	-80.699046	39.962619	Perennial	Open Cut
Majorsville Lateral	9.68	WV	S3ES-MA-129	UT to Little Grave Creek	-80.699174	39.962949	Perennial	Open Cut
Majorsville Lateral	10.52	WV	S3ES-MA-140	UT to Little Grave Creek	-80.712491	39.967308	Perennial	Open Cut
Majorsville Lateral	15.36	OH	S4H-BE-297	UT to Stone Coal Run	-80.791615	39.979146	Perennial	NA
Majorsville Lateral	15.39	OH	S4H-BE-296	UT to Stone Coal Run	-80.792367	39.978901	Perennial	Open Cut
Majorsville Lateral	17.25	OH	S5ES-BE-143	UT to Wegee Creek	-80.825209	39.977345	Perennial	Open Cut
Majorsville Lateral	17.83	OH	S4H-BE-306	UT to Wegee Creek	-80.835716	39.978322	Perennial	NA
Majorsville Lateral	17.84	OH	S4H-BE-305	UT to Wegee Creek	-80.835954	39.978056	Perennial	Open Cut
Majorsville Lateral	18.15	OH	S4H-BE-311	UT to Wegee Creek	-80.841452	39.979194	Perennial	Open Cut
Majorsville Lateral	18.66	OH	S4H-BE-303	UT to Wegee Creek	-80.850998	39.980417	Perennial	Open Cut
Majorsville Lateral	18.85	OH	S4H-BE-313	UT to Wegee Creek	-80.854552	39.980672	Perennial	Open Cut
Majorsville Lateral	20.3	OH	S1ES-BE-171	Cumberland Run	-80.879048	39.985569	Perennial	Open Cut
Majorsville Lateral	20.96	OH	S1ES-BE-185	UT to Cumberland Run	-80.889583	39.986135	Perennial	Open Cut
Majorsville Lateral	22.01	OH	S7H-BE-452	UT to Williams Creek	-80.907638	39.98557	Perennial	Open Cut
Majorsville Lateral	22.63	OH	S5ES-BE-150	Williams Creek	-80.919102	39.985599	Perennial	Open Cut
Seneca Lateral	1.49	OH	S1TB-MO-126	UT to Bishop Run	-81.316638	39.800453	Perennial	NA
Seneca Lateral	2.13	OH	S1TB-MO-127	UT to South Fork	-81.305223	39.798327	Perennial	Open Cut

Facility	Enter MP	State	Waterbody ID	Waterbody Name	Longitude	Latitude	Flow	Crossing Method
Seneca Lateral	3.18	OH	S1ES-MO-225	South Fork	-81.285768	39.801596	Perennial	NA
Seneca Lateral	3.63	OH	S1TB-MO-129	South Fork	-81.278262	39.798779	Perennial	Open Cut
Seneca Lateral	4.53	OH	S1TB-MO-134	UT to South Fork	-81.261315	39.800687	Perennial	Open Cut
Seneca Lateral	5.07	OH	S1H-MO-163	UT to South Fork	-81.25107	39.800127	Perennial	Open Cut
Seneca Lateral	5.67	OH	S4H-MO-200	UT to South Fork	-81.240063	39.802639	Perennial	Open Cut
Seneca Lateral	8.16	OH	S1TB-MO-138	UT to Sunfish Creek	-81.193942	39.805787	Perennial	Open Cut
Seneca Lateral	9.18	OH	S2TB-MO-122	Wheeler Run	-81.174845	39.807175	Perennial	Open Cut
Seneca Lateral	9.77	OH	S2TB-MO-117	UT to Wheeler Run	-81.16496	39.807751	Perennial	Open Cut
Seneca Lateral	12.45	OH	S3TB-MO-106	Baker Fork	-81.114782	39.807376	Perennial	Open Cut
Seneca Lateral	12.95	OH	S3TB-MO-104	Grassy Creek	-81.106202	39.808784	Perennial	Open Cut
Seneca Lateral	13.78	OH	S2TB-MO-128	Death Creek	-81.09166	39.811973	Perennial	Open Cut
Seneca Lateral	15.72	OH	S1TB-MO-146	Piney Fork	-81.056452	39.818953	Perennial	Open Cut
Seneca Lateral	17.71	OH	S2TB-MO-174	East Fork	-81.019777	39.820238	Perennial	Open Cut
Seneca Lateral	19.64	OH	S2TB-MO-136	Ackerson Run	-80.985838	39.821305	Perennial	Open Cut
Seneca Lateral	21.1	OH	S2TB-MO-144	Paine Run	-80.962079	39.827593	Perennial	Open Cut
Seneca Lateral	22.38	OH	S2TB-MO-148	UT to Paine Run	-80.940318	39.828554	Perennial	Open Cut
Seneca Lateral	23.78	OH	S2TB-MO-164	UT to Cat Run	-80.916249	39.831126	Perennial	Open Cut
Seneca Lateral	24.09	OH	S2TB-MO-161	UT to Cat Run	-80.911011	39.832378	Perennial	Open Cut
Seneca Lateral	24.12	OH	S2TB-MO-154	UT to Cat Run	-80.909345	39.83282	Perennial	Open Cut
Seneca Lateral	24.98	OH	S2TB-MO-160	Big Run	-80.894346	39.834208	Perennial	Open Cut
Sherwood Lateral	0.42	WV	S4H-DO-504	UT to Eibscamp Run	-80.695867	39.272682	Perennial	Open Cut
Sherwood Lateral	1.04	WV	S5ES-DO-164	Buckeye Creek	-80.694495	39.280256	Perennial	HDD
Sherwood Lateral	1.29	WV	S3ES-DO-210	Morgans Run	-80.693064	39.28503	Perennial	HDD
Sherwood Lateral	1.44	WV	S1ES-DO-120	Englands Run	-80.710856	39.292306	Perennial	Open Cut
Sherwood Lateral	2.37	WV	S4H-DO-248	Jockycamp Run	-80.719572	39.302092	Perennial	Open Cut
Sherwood Lateral	2.73	WV	S1ES-DO-128	UT to Jockycamp Run	-80.723769	39.305502	Perennial	Open Cut

Facility	Enter MP	State	Waterbody ID	Waterbody Name	Longitude	Latitude	Flow	Crossing Method
Sherwood Lateral	3.54	WV	S2ES-DO-123	UT to Rock Run	-80.735152	39.310424	Perennial	Open Cut
Sherwood Lateral	4.29	WV	S2ES-DO-140	UT to Rock Run	-80.741681	39.318452	Perennial	Open Cut
Sherwood Lateral	4.59	WV	S4ES-DO-104	Rock Run	-80.745057	39.321835	Perennial	Open Cut
Sherwood Lateral	5.83	WV	S4H-DO-251	Nutter Fork	-80.760593	39.333945	Perennial	Open Cut
Sherwood Lateral	6.66	WV	S2ES-DO-136	Wolfpen Run	-80.768656	39.343516	Perennial	Open Cut
Sherwood Lateral	7.05	WV	S2ES-DO-129	Wolfpen Run	-80.774243	39.347049	Perennial	Open Cut
Sherwood Lateral	8.09	WV	S1ES-DO-121	Camp Mistake Run	-80.784874	39.355935	Perennial	Open Cut
Sherwood Lateral	12.06	WV	S2ES-TY-143	UT to Jefferson Run	-80.832864	39.392317	Perennial	Open Cut
Sherwood Lateral	13.19	WV	S4ES-TY-243	Middle Island Creek	-80.849087	39.399837	Perennial	HDD
Sherwood Lateral	14.09	WV	S4ES-TY-115	Purgatory Run	-80.863214	39.40531	Perennial	Open Cut
Sherwood Lateral	18.28	WV	S2ES-TY-152	Sancho Creek	-80.91323	39.441791	Perennial	Open Cut
Sherwood Lateral	18.79	WV	S4H-TY-282	Sancho Creek (2 crossings)	-80.916113	39.452082	Perennial	Open Cut
Sherwood Lateral	19.39	WV	S4H-TY-258	Little Sancho Creek	-80.919065	39.456171	Perennial	Open Cut
Sherwood Lateral	22.20	WV	S1ES-TY-115	Gorrell Run	-80.949871	39.483597	Perennial	Open Cut
Sherwood Lateral	23.91	WV	S7H-TY-274	Middle Island Creek	-80.972235	39.500215	Perennial	HDD
Sherwood Lateral	26.96	WV	S5ES-TY-130	UT to Pursley Run	-80.969491	39.538851	Perennial	Open Cut
Sherwood Lateral	27.19	WV	S5ES-TY-132	Pursey Run	-80.966816	39.540428	Perennial	Open Cut
Sherwood Lateral	32.21	WV	S3H-WE-179	Gamble Run	-80.914322	39.592771	Perennial	Open Cut
Sherwood Lateral	32.48	WV	S3H-WE-177	Paden Fork	-80.910503	39.594728	Perennial	Open Cut
Sherwood Lateral	33.66	WV	S3H-WE-182	UT to Paden Fork	-80.903902	39.608235	Perennial	Open Cut
Sherwood Lateral	33.90	WV	WB3H-WE-189	Unnamed Pond	-80.90527	39.611766	Pond- Manmade	NA
Sherwood Lateral	33.93	WV	WB3H-WE-190	Unnamed Pond	-80.905899	39.612126	Pond- Manmade	NA
Sherwood Lateral	34.40	WV/O H	S-Ohio River 1	Ohio River	-80.914834	39.61728	Perennial	HDD
Sherwood Lateral	34.82	OH	S4H-MO-593	Patton Run	-80.918363	39.620799	Perennial	HDD

Facility	Enter MP	State	Waterbody ID	Waterbody Name	Longitude	Latitude	Flow	Crossing Method
Sherwood Lateral	37.37	OH	S4H-MO-277	Opossum Creek	-80.963498	39.646861	Perennial	Open Cut
Sherwood Lateral	41.22	OH	S4H-MO-275	Witten Fork	-81.002965	39.683517	Perennial	Open Cut
Sherwood Lateral	42.08	OH	S4H-MO-273	Witten Fork	-81.011979	39.692232	Perennial	Open Cut
Sherwood Lateral	44.34	OH	S2ES-MO-360	Cranenest Fork	-81.02676	39.719746	Perennial	Open Cut
Sherwood Lateral	45.92	OH	S2TB-MO-215	Pratts Run	-81.029013	39.740136	Perennial	Open Cut
Sherwood Lateral	46.79	OH	S2TB-MO-206	UT to Cranenest Fork	-81.027917	39.752623	Perennial	Open Cut
Sherwood Lateral	47.47	OH	S4H-MO-270	UT to Sunfish Creek	-81.021704	39.760136	Perennial	Open Cut
Sherwood Lateral	48.54	OH	S7H-MO-286	Sunfish Creek	-81.020358	39.772837	Perennial	Open Cut
Sherwood Lateral	51.02	OH	S2TB-MO-210	Piney Fork	-81.039903	39.80297	Perennial	Open Cut
Supply Connector A and B	0.76	OH	S2ST-HR-157	UT to Brushy Fork	-81.089224	40.254177	Perennial	Open Cut
Supply Connector A and B	1.48	OH	S2ES-HR-252	Lees Run	-81.094065	40.261896	Perennial	Open Cut
Supply Connector A and B	3.39	OH	S2ST-HR-161	UT to Slab Camp Run	-81.093667	40.28655	Perennial	Open Cut
Supply Connector A and B	4.73	OH	S2ES-HR-255	Standingstone Fork	-81.09604	40.304539	Perennial	Open Cut
Supply Connector A and B	5.44	OH	S4H-HR-491	UT to Tappan Lake	-81.096313	40.313251	Perennial	Open Cut
Supply Connector A and B	7.22	OH	S4ES-HR-222	Clear Fork	-81.099749	40.336896	Perennial	Open Cut
Supply Connector A and B	8.63	OH	S2ST-HR-164	UT to Tappan Lake	-81.111738	40.353786	Perennial	Open Cut
Supply Connector A and B	9.08	OH	S2ST-HR-167	Beaverdam Run	-81.119265	40.356887	Perennial	Open Cut
Supply Connector A and B	10.37	OH	S4ES-HR-228	Leiper Run	-81.13768	40.36809	Perennial	Open Cut

Facility	Enter MP	State	Waterbody ID	Waterbody Name	Longitude	Latitude	Flow	Crossing Method
Supply Connector A and B	11.57	OH	S3H-HR-208	UT to Lower Beaverdam Run	-81.152134	40.378842	Perennial	Open Cut
Supply Connector A and B	12.73	OH	S9H-HR-130	Lower Beaverdam Run	-81.163809	40.391098	Perennial	Open Cut
Supply Connector A and B	14.16	OH	S4H-HR-480	UT to Conotton Creek	-81.18283	40.398744	Perennial	Open Cut
Supply Connector A and B	14.33	OH	WB4H-HR-473	Unnamed Pond	-81.186352	40.39939	Pond-Manmade	NA
Supply Connector A and B	14.91	OH	S3ES-HR-244	UT to Conotton Creek	-81.195179	40.404558	Perennial	Open Cut
Supply Connector A and B	16.16	OH	S2ES-HR-267	UT to Conotton Creek	-81.209307	40.418217	Perennial	Open Cut
Supply Connector A and B	17.43	OH	S2ST-CA-151	UT to Conotton Creek	-81.222067	40.433318	Perennial	Open Cut
Supply Connector A and B	18.25	OH	S2ST-CA-144	UT to Conotton Creek	-81.227188	40.444279	Perennial	Open Cut
Supply Connector A and B	18.38	OH	S2TB-CA-251	UT to Conotton Creek	-81.223185	40.445695	Perennial	Open Cut
Mainline A and B	19.15	OH	S2ES-CA-232	UT to Conotton Creek	-81.236331	40.454174	Perennial	Open Cut
Mainline A and B	21.11	OH	S2ST-CA-139	UT to Conotton Creek	-81.248834	40.476505	Perennial	Open Cut
Mainline A and B	21.60	OH	S2ST-CA-142	UT to Conotton Creek	-81.254426	40.481783	Perennial	Open Cut
Mainline A and B	22.55	OH	S4ES-CA-205	UT to Conotton Creek	-81.266329	40.491362	Perennial	Open Cut
Mainline A and B	22.81	OH	S2ES-TU-104	UT to Conotton Creek	-81.268557	40.493801	Perennial	NA
Mainline A and B	23.59	OH	S4ES-TU-213	UT to Conotton Creek	-81.271183	40.504741	Perennial	NA
Mainline A and B	24.29	OH	S1ES-TU-105	Conotton Creek	-81.277636	40.512955	Perennial	Open Cut
Mainline A and B	25.34	OH	S7H-TU-248	Indian Fork	-81.293933	40.52173	Perennial	HDD
Mainline A and B	26.65	OH	S4ES-TU-231	UT to Conotton Creek	-81.310588	40.533519	Perennial	Open Cut
Mainline A and B	26.83	OH	S4ES-TU-233	Conotton Creek	-81.311236	40.535905	Perennial	Open Cut

Facility	Enter MP	State	Waterbody ID	Waterbody Name	Longitude	Latitude	Flow	Crossing Method
Mainline A and B	28.07	OH	S2ES-TU-100	UT to Conotton Creek	-81.316388	40.552556	Perennial	Open Cut
Mainline A and B	28.70	OH	S2H-TU-159	UT to Conotton Creek	-81.322522	40.559725	Perennial	Open Cut
Mainline A and B	29.19	OH	S4ES-TU-218	Conotton Creek	-81.326995	40.566156	Perennial	Open Cut
Mainline A and B	29.83	OH	S2ES-TU-258	UT to Conotton Creek	-81.333443	40.57363	Perennial	Open Cut
Mainline A and B	31.62	OH	WB4ES-TU-237	Unnamed Pond	-81.343398	40.597509	Pond-Manmade	Open Cut
Mainline A and B	31.90	OH	S4ES-TU-241	Huff Run	-81.343268	40.601305	Perennial	Open Cut
Mainline A and B	32.11	OH	WB8H-TU-212	Unnamed Pond	-81.342167	40.604338	Pond-Beaver	NA
Mainline A and B	33.89	OH	S1M-TU-199	UT to Sandy Creek	-81.362006	40.622028	Perennial	Open Cut
Mainline A and B	35.05	OH	S4H-TU-376	UT to Sandy Creek	-81.379622	40.632222	Perennial	Open Cut
Mainline A and B	35.75	OH	S1M-TU-193	Sandy Creek	-81.386672	40.639242	Perennial	HDD
Mainline A and B	37.02	OH	S1M-TU-190	UT to Sandy Creek	-81.401119	40.651089	Perennial	Open Cut
Mainline A and B	38.10	OH	S1M-ST-188	UT to Sandy Creek	-81.410764	40.66283	Perennial	Open Cut
Mainline A and B	39.15	OH	S4H-ST-369	UT to Sandy Creek	-81.427791	40.667691	Perennial	Open Cut
Mainline A and B	39.82	OH	S1M-ST-172	UT to Tuscarawas River	-81.44056	40.669083	Perennial	HDD
Mainline A and B	40.97	OH	S1M-ST-176	UT to Sandy Creek	-81.461898	40.668366	Perennial	Open Cut
Mainline A and B	42.17	OH	S1M-ST-175	Tuscarawas River	-81.483779	40.671826	Perennial	HDD
Mainline A and B	45.26	OH	S9H-ST-101	UT to Tuscarawas River	-81.540783	40.676394	Perennial	Open Cut
Mainline A and B	46.48	OH	S1M-ST-161	UT to Bean Creek	-81.563378	40.679956	Perennial	Open Cut
Mainline A and B	46.67	OH	S1M-ST-163	UT to Bean Creek	-81.567196	40.679758	Perennial	Open Cut
Mainline A and B	47.92	OH	S3H-ST-175	Sugar Creek	-81.588173	40.686633	Perennial	Open Cut
Mainline A and B	48.70	OH	S7H-ST-186	UT to Sugar Creek	-81.600064	40.690129	Perennial	Open Cut
Mainline A and B	48.80	OH	S4H-ST-199	UT to Sugar Creek	-81.600676	40.691395	Perennial	Open Cut
Mainline A and B	49.04	OH	S1M-ST-158	Middle Fork Sugar Creek	-81.605235	40.692681	Perennial	Open Cut
Mainline A and B	59.69	OH	S1TB-WA-107	South Branch Apple Creek	-81.797781	40.718741	Perennial	Open Cut
Mainline A and B	60.65	OH	S1TB-WA-110	UT to Apple Creek	-81.815193	40.721538	Perennial	Open Cut

Facility	Enter MP	State	Waterbody ID	Waterbody Name	Longitude	Latitude	Flow	Crossing Method
Mainline A and B	61.79	OH	S2H-WA-143	North Branch Salt Creek	-81.836803	40.721107	Perennial	Open Cut
Mainline A and B	62.92	OH	S2H-WA-138	UT to North Branch Salt Creek	-81.857442	40.721695	Perennial	Open Cut
Mainline A and B	63.41	OH	S4H-WA-177	North Branch Salt Creek	-81.867518	40.722321	Perennial	Open Cut
Mainline A and B	63.46	OH	S4H-WA-178	UT to North Branch Salt Creek	-81.868536	40.722691	Perennial	NA
Mainline A and B	67.66	OH	S1M-WA-138	UT to Jennings Ditch	-81.938242	40.740941	Perennial	Open Cut
Mainline A and B	68.29	OH	S1M-WA-147	UT to Killbuck Creek	-81.951996	40.74871	Perennial	HDD
Mainline A and B	68.37	OH	S1M-WA-153	UT to Killbuck Creek	-81.945956	40.749279	Perennial	Open Cut
Mainline A and B	68.39	OH	S1M-WA-152	UT to Killbuck Creek	-81.946259	40.749226	Perennial	Open Cut
Mainline A and B	68.54	OH	S1M-WA-151	UT to Killbuck Creek	-81.94914	40.74926	Perennial	Open Cut
Mainline A and B	68.73	OH	S1M-WA-149	UT to Killbuck Creek	-81.952808	40.748937	Perennial	Open Cut
Mainline A and B	69.11	OH	S1M-WA-148	Killbuck Creek	-81.960172	40.748475	Perennial	HDD
Mainline A and B	69.50	OH	S3H-WA-146	UT to Killbuck Creek	-81.96615	40.746898	Perennial	Open Cut
Mainline A and B	70.04	OH	S7H-WA-178	UT to Killbuck Creek	-81.976571	40.747208	Perennial	Open Cut
Mainline A and B	70.33	OH	WB7H-WA-177	Unnamed Pond	-81.982045	40.747525	Pond-Manmade	NA
Mainline A and B	71.31	OH	S3H-WA-148	UT to Killbuck Creek	-82.000411	40.747929	Perennial	HDD
Mainline A and B	71.73	OH	S3H-WA-150	UT to Killbuck Creek	-82.008368	40.748604	Perennial	HDD
Mainline A and B	75.76	OH	S1M-WA-156	UT to Muddy Fork	-82.073538	40.77398	Perennial	Open Cut
Mainline A and B	77.14	OH	S1TB-WA-116	UT to Muddy Fork	-82.088383	40.788548	Perennial	Open Cut
Mainline A and B	77.61	OH	S4H-WA-583	UT to Muddy Fork	-82.099303	40.787269	Perennial	Open Cut
Mainline A and B	78.46	OH	S3H-WA-155	UT to Muddy Fork	-82.111063	40.794531	Perennial	Open Cut
Mainline A and B	78.72	OH	S4H-WA-467	Fox Run	-82.114916	40.797561	Perennial	Open Cut
Mainline A and B	79.16	OH	S4H-WA-468	Muddy Fork	-82.122308	40.801079	Perennial	Open Cut
Mainline A and B	81.03	OH	S4H-AS-234	UT to Glenn Run	-82.158539	40.804306	Perennial	Open Cut
Mainline A and B	81.18	OH	S4H-AS-236	UT to Glenn Run	-82.160723	40.805664	Perennial	Open Cut
Mainline A and B	81.30	OH	S2H-AS-119	Glenn Run	-82.163057	40.806802	Perennial	Open Cut

Facility	Enter MP	State	Waterbody ID	Waterbody Name	Longitude	Latitude	Flow	Crossing Method
Mainline A and B	83.45	OH	S1H-AS-115	UT to Jerome Fork	-82.199335	40.81248	Perennial	Open Cut
Mainline A and B	83.65	OH	S1H-AS-113	UT to Jerome Fork	-82.203744	40.812241	Perennial	Open Cut
Mainline A and B	84.13	OH	S2H-AS-109	Jerome Fork	-82.214474	40.812343	Perennial	Open Cut
Mainline A and B	84.28	OH	S2H-AS-106	UT to Jerome Fork	-82.216663	40.812032	Perennial	Open Cut
Mainline A and B	86.37	OH	S4H-AS-391	UT to Oldtown Run	-82.252775	40.804876	Perennial	Dry
Mainline A and B	88.96	OH	S4H-AS-397	UT to Newell Run	-82.298412	40.80795	Perennial	Dry
Mainline A and B	89.69	OH	S3H-AS-105	UT to Newell Run	-82.311162	40.810617	Perennial	Dry
Mainline A and B	90.10	OH	S3H-AS-106	UT to Newell Run	-82.319169	40.810964	Perennial	Dry
Mainline A and B	90.49	OH	S4H-AS-401	Newell Run	-82.32673	40.812866	Perennial	Dry
Mainline A and B	91.41	OH	WB1H-AS-134	Unnamed Pond	-82.342542	40.816579	Pond-Manmade	NA
Mainline A and B	93.40	OH	S1H-AS-131	UT to Black Fork Mohican River	-82.37892	40.818672	Perennial	Open Cut
Mainline A and B	95.06	OH	S4H-AS-608	UT to Black Fork Mohican River	-82.408796	40.82097	Perennial	Open Cut
Mainline A and B	95.66	OH	S4H-AS-123	Black Fork Mohican River	-82.416051	40.828709	Perennial	HDD
Mainline A and B	98.95	OH	S4H-RI-239	Brubaker Creek	-82.473218	40.845508	Perennial	Open Cut
Mainline A and B	103.99	OH	S4H-RI-154	Brubaker Creek	-82.568252	40.849303	Perennial	Open Cut
Mainline A and B	106.63	OH	S4H-RI-155	Bear Run	-82.617844	40.847473	Perennial	Open Cut
Mainline A and B	109.07	OH	S7H-RI-154	Black Fork Mohican River	-82.661268	40.852164	Perennial	Open Cut
Mainline A and B	110.08	OH	S4H-RI-157	UT to Black Fork Mohican River	-82.680486	40.852983	Perennial	Open Cut
Mainline A and B	114.31	OH	S4H-CR-158	Marsh Run	-82.743035	40.885656	Perennial	Open Cut
Mainlines A and B	135.46	OH	S7H-SE-222	Honey Creek	-83.095269	41.024566	Perennial	HDD
Mainlines A and B	140.42	OH	S3H-SE-114	UT to Wolf Creek	-83.177695	41.055996	Perennial	HDD
Mainlines A and B	142.21	OH	S7H-SE-232	Sandusky River	-83.207585	41.068372	Perennial	HDD
Mainlines A and B	142.61	OH	S1M-SE-110	Bells Run	-83.214225	41.070493	Perennial	Open Cut

Facility	Enter MP	State	Waterbody ID	Waterbody Name	Longitude	Latitude	Flow	Crossing Method
Mainlines A and B	144.79	OH	S8H-SE-163	Middle Branch Wolf Creek	-83.251453	41.082879	Perennial	Open Cut
Mainlines A and B	147.81	OH	S8H-SE-167	UT to East Branch Wolf Creek	-83.303427	41.100079	Perennial	Open Cut
Mainlines A and B	148.29	OH	S1M-SE-114	East Branch Wolf	-83.311838	41.103091	Perennial	Open Cut
Mainlines A and B	150.4	OH	S8H-SE-171	UT to Harrison Creek	-83.349002	41.114701	Perennial	Open Cut
Mainlines A and B	151.5	OH	S1M-SE-129	Wolf Creek	-83.369699	41.115487	Perennial	Open Cut
Mainlines A and B	152.76	OH	S3H-SE-138	UT to Wolf Creek	-83.393285	41.115292	Perennial	Open Cut
Mainlines A and B	155.15	OH	S3H-HA-140	East Branch Portage River	-83.436423	41.124692	Perennial	Open Cut
Mainlines A and B	158.89	OH	S3H-HA-119	UT to South Branch Portage River	-83.486654	41.153692	Perennial	Open Cut
Mainlines A and B	162.47	OH	S4H-WO-704	S Fork Portage River	-83.523315	41.193371	Perennial	Open Cut
Mainlines A and B	163.89	OH	S4H-WO-713	UT to South Branch Portage River	-83.544705	41.205729	Perennial	Open Cut
Mainlines A and B	166.66	OH	S4H-WO-616	Bull Creek	-83.593137	41.219339	Perennial	Open Cut
Mainlines A and B	167.59	OH	S4H-WO-415	UT to Bull Creek	-83.609369	41.223963	Perennial	Open Cut
Mainlines A and B	169.89	OH	S8H-WO-219	Rocky Ford Creek	-83.650041	41.23701	Perennial	HDD
Mainlines A and B	171.34	OH	S4H-WO-711	UT to Middle Branch Portage River	-83.674306	41.242371	Perennial	Open Cut
Mainlines A and B	172.62	OH	S4H-WO-627	UT to Middle Branch Portage River	-83.698541	41.24165	Perennial	Open Cut
Mainlines A and B	174.57	OH	S4H-WO-412	Rader Creek	-83.735988	41.242975	Perennial	Open Cut
Mainlines A and B	175.22	OH	S4H-WO-619	Needles Creek	-83.74808	41.244941	Perennial	Open Cut
Mainlines A and B	177.56	OH	S4H-WO-624	North Branch Portage River	-83.792151	41.251918	Perennial	Open Cut
Mainlines A and B	179.85	OH	S4H-WO-408	Jackson Cutoff Ditch	-83.833775	41.25939	Perennial	Open Cut
Mainlines A and B	183.2	OH	S8H-HE-155	Hammer Creek	-83.896252	41.268415	Perennial	Open Cut
Mainlines A and B	183.9	OH	S1M-HE-102	Beaver Creek	-83.90928	41.271134	Perennial	Open Cut
Mainlines A and B	188.77	OH	S8H-HE-149	UT to Little Turkeyfoot Creek	-83.998658	41.285336	Perennial	Open Cut
Mainlines A and B	189.26	OH	S8H-HE-148	UT to Little Turkeyfoot Creek	-84.008135	41.286525	Perennial	Open Cut

Facility	Enter MP	State	Waterbody ID	Waterbody Name	Longitude	Latitude	Flow	Crossing Method
Mainlines A and B	189.77	OH	S8H-HE-147	UT to Little Turkeyfoot Creek	-84.017742	41.287798	Perennial	Open Cut
Mainlines A and B	190.39	OH	S1M-HE-170	South Turkeyfoot Creek	-84.029757	41.288031	Perennial	HDD
Mainlines A and B	190.78	OH	S4H-HE-406	UT to South Turkeyfoot Creek	-84.036768	41.288499	Perennial	HDD
Mainlines A and B	191.82	OH	S8H-HE-137	UT to Lost Creek	-84.056515	41.290063	Perennial	Open Cut
Mainlines A and B	192.43	OH	S8H-HE-135	Lost Creek	-84.067776	41.292473	Perennial	Open Cut
Mainlines A and B	194.94	OH	S8H-HE-133	UT to School Creek	-84.113862	41.301446	Perennial	Open Cut
Mainlines A and B	195.61	OH	S8H-HE-132	UT to School Creek	-84.126127	41.303532	Perennial	Open Cut
Mainlines A and B	197.04	OH	S8H-HE-131	Wade Creek	-84.152705	41.30763	Perennial	Open Cut
Mainlines A and B	200.36	OH	S8H-HE-124	Maumee River	-84.21549	41.311725	Perennial	HDD
Mainlines A and B	200.54	OH	S8H-HE-118	UT to Maumee River	-84.218444	41.312682	Perennial	Open Cut
Mainlines A and B	201.68	OH	S8H-DE-106	UT to Brubaker Creek	-84.238879	41.317227	Perennial	Open Cut
Market Segment	0.24	OH	S3H-DF-100	Mattock Ditch	-84.363696	41.361102	Perennial	Open Cut
Market Segment	0.57	OH	S3H-DF-101	Mattock Ditch	-84.362869	41.365688	Perennial	Open Cut
Market Segment	2.54	OH	S4H-DF-232	Doty Run	-84.344728	41.389932	Perennial	Open Cut
Market Segment	8.9	OH	S2H-HN-111	UT to Owl Creek	-84.295958	41.462595	Perennial	Open Cut
Market Segment	9.59	OH	S3H-HN-135	Owl Creek	-84.29567	41.472931	Perennial	Open Cut
Market Segment	13.28	OH	S4H-FU-224	Brush Creek	-84.275398	41.521976	Perennial	Open Cut
Market Segment	13.8	OH	S4H-FU-105	Brush Creek	-84.273071	41.529725	Perennial	NA
Market Segment	20.38	OH	S4H-FU-215	UT to Old Bean Creek	-84.239174	41.616125	Perennial	Open Cut
Market Segment	21.36	OH	S4H-FU-217	UT to Old Bean Creek	-84.234459	41.630658	Perennial	Open Cut
Market Segment	21.77	OH	S4H-FU-218	Old Bean Creek	-84.230219	41.635733	Perennial	Open Cut
Market Segment	28.74	MI	S1K-LE-106	UT to Silver Creek	-84.187063	41.728451	Perennial	Open Cut
Market Segment	34.3	MI	S1K-LE-103	Bear Creek	-84.16282	41.801178	Perennial	Open Cut
Market Segment	35.74	MI	S1K-LE-142	Stony Creek	-84.155486	41.818787	Perennial	Open Cut
Market Segment	39.76	MI	S2K-LE-227	South Branch Raisin River	-84.133558	41.869258	Perennial	Open Cut
Market Segment	42.79	MI	S2K-LE-232	Wolf Creek	-84.11515	41.902529	Perennial	Open Cut

Facility	Enter MP	State	Waterbody ID	Waterbody Name	Longitude	Latitude	Flow	Crossing Method
Market Segment	43.75	MI	S2K-LE-177	Wolf Creek	-84.116955	41.915976	Perennial	Open Cut
Market Segment	44.52	MI	S1K-LE-175	Wolf Creek	-84.117602	41.926436	Perennial	Open Cut
Market Segment	44.95	MI	S1K-LE-174	Black Creek	-84.112148	41.930777	Perennial	Open Cut
Market Segment	49.99	MI	S1K-LE-118	Black Creek	-84.090189	41.997852	Perennial	Open Cut
Market Segment	53.8	MI	S5K-LE-437	Evans Creek	-84.05915	42.03954	Perennial	Open Cut
Market Segment	56.91	MI	S2K-WA-163	UT to Hudson Lake	-84.038633	42.079013	Perennial	Open Cut
Market Segment	58.29	MI	S1K-WA-173	Iron Creek	-84.025171	42.095237	Perennial	Open Cut
Market Segment	61.91	MI	WB5K-WA-361	Unnamed Pond	-84.015266	42.141268	Pond-Natural	Open Cut
Market Segment	62.18	MI	S5K-WA-364	River Raisin	-84.012999	42.14524	Perennial	HDD
Market Segment	62.47	MI	WB7K-WA-169	Unnamed Pond	-84.009232	42.147719	Pond-Manmade	HDD
Market Segment	63.07	MI	S5K-WA-370	UT to Raisin River	-84.002687	42.154593	Perennial	Open Cut
Market Segment	64.75	MI	S2K-WA-202	UT to Raisin River	-83.986275	42.17013	Perennial	Open Cut
Market Segment	65.13	MI	S2K-WA-200	UT to Raisin River	-83.982059	42.173845	Perennial	Open Cut
Market Segment	66.01	MI	S5K-WA-372	UT to Raisin River	-83.977619	42.182846	Perennial	Open Cut
Market Segment	70.74	MI	S2K-WA-216	UT to Mill Creek	-83.964656	42.246915	Perennial	Open Cut
Market Segment	71.17	MI	S7K-WA-159	UT to Mill Creek	-83.963271	42.254631	Perennial	Open Cut
Market Segment	71.29	MI	S7K-WA-159	UT to Mill Creek	-83.963271	42.254631	Perennial	Open Cut
Market Segment	71.69	MI	S5K-WA-358	UT to Mill Creek	-83.961249	42.260338	Perennial	Open Cut
Market Segment	72.19	MI	S2K-WA-122	Mill Creek	-83.960505	42.26763	Perennial	Open Cut
Market Segment	73.76	MI	S5K-WA-374	UT to North Fork Mill Creek	-83.952253	42.288756	Perennial	Open Cut
Market Segment	73.93	MI	S7K-WA-155	No. Fork Mill Creek	-83.950307	42.29047	Perennial	Open Cut
Market Segment	79.58	MI	S5K-WA-426	Dexter County Drain No. 1	-83.959945	42.364408	Perennial	Open Cut
Market Segment	81.79	MI	S7K-WA-146	UT to Little Portage Lake	-83.967111	42.395049	Perennial	Open Cut
Market Segment	84.56	MI	S5K-LI-405	Portage River	-83.956359	42.426794	Perennial	HDD
Market Segment	86.8	MI	S2K-LI-239	Honey Creek	-83.958874	42.456855	Perennial	Open Cut

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Market Segment	89.02	MI	S5K-LI-115	UT to Honey Creek	-83.979777	42.468232	Perennial	Open Cut
Market Segment	91.95	MI	WB5K-LI-128	Unnamed Pond	-84.007517	42.495647	Pond- Manmade	Open Cut
Market Segment	92.86	MI	S1K-LI-286	County Drain No 7	-84.017041	42.50534	Perennial	Open Cut
Market Segment	96.21	MI	WB5K-LI-156	Unnamed Pond	-84.027011	42.550612	Pond- Natural	Open Cut
Market Segment	97.52	MI	S7K-LI-108	Marion-Iosco Drain	-84.024927	42.567863	Perennial	Open Cut
Market Segment	98.88	MI	S2K-LI-263	UT to Red Cedar River	-84.03491	42.586881	Perennial	Open Cut