

**AMENDED CONSENT DECREE
SEMI-ANNUAL REPORT #6
JANUARY 1, 2022 – JUNE 30, 2022**

August 28, 2022



Sanitation District No. 1

1045 Eaton Drive
Ft. Wright, KY 41017

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LIST OF ACRONYMS AND ABBREVIATIONS

ACD	Amended Consent Decree
Cabinet	Kentucky Energy and Environment Cabinet
CSAP	Continuous Sewer Assessment Program
CSO	Combined Sewer Overflow
CSS	Combined Sewer System
District	Sanitation District No. 1
EPA	U.S. Environmental Protection Agency
hr	Hours
MG	Million Gallons
MH	Manhole
min	Minutes
PS	Pump Station
SD1	Sanitation District No. 1
SSO	Sanitary Sewer Overflow
UT	Unnamed Tributary

SECTION 1. INTRODUCTION

The Semi-Annual Report is submitted to fulfill the reporting requirements of Sanitation District No. 1's (SD1) Amended Consent Decree, as entered on May 22, 2019. The Amended Consent Decree is a legal agreement with the U.S. Environmental Protection Agency (EPA) and the Kentucky Energy and Environment Cabinet (Cabinet). The purpose of the Amended Consent Decree is to address sanitary sewer overflows (SSOs) in SD1's sanitary sewer system and combined sewer overflows (CSOs) in the combined sewer system, in order to improve water quality throughout SD1's service area. Specifically, Section V Reporting Requirements, states that:

47. Semi-Annual Reports. The District shall submit to the Cabinet/EPA a Semi-Annual Report no later than sixty days after the end of each six-month calendar period ending June 30 and December 31.

Information contained within this report describes SD1's compliance with Amended Consent Decree Case No. 2:05-CV-199 (WOB) for the first six months of calendar year 2022.

SECTION 2. OVERFLOW DETAILS

Paragraph 47 of the Amended Consent Decree provides the details to be included in the report:

47. The Semi-Annual Report shall include the date, time, location, estimated volume, estimated duration, receiving water (if any), cause and actions taken to respond to and repair or otherwise resolve the cause of all SSOs and dry weather CSOs occurring in the most recently completed six-month calendar period. For reported SSOs, the Semi-Annual Report shall also identify any project that may be included in Appendix C of the Amended Consent Decree or in an Updated Watershed Plan that is designed to eliminate that SSO. The Semi-Annual Report shall also include such information in a tabulated electronic format.

The Semi-Annual Report provides overflow details from multiple sources. The two categories of Dry Weather CSOs and SSOs Caused by Operational Failures are derived from records that were a result of visual confirmations of the overflows. The two categories of SSOs at Pumps Stations Caused by Typical and Non-Typical Year Wet Weather are derived from records that were a result of telemetry-based alarms of remotely sensed overflows. The two categories of Typical and Non-Typical Year Model-Predicted Wet Weather SSOs are derived from hydraulic models that are continuously updated and calibrated with a robust flow monitoring program, and simulations of wet weather events that are recorded by SD1's network of 23 rain gauges.

2.1 Dry Weather CSOs

CSO	KPDES Outfall #	Date & Time	Location (x, y)	Estimated Volume (gallons)	Duration (hrs:min)	Receiving Water	Cause	Actions
NA	NA	NA	NA	NA	NA	NA	NA	NA

2.2 SSOs Caused by Operational Failures

SSO	Date & Time	Location (x, y)	Estimated Volume (gallons)	Duration (hrs:min)	Receiving Water	Cause	Actions
1120055	1/19/2022	39.015453 -84.600501	1,110	18:30	NA	Contractor – Construction Damage	Release was caused by outside contractor that broke pipe. Damaged pipe was replaced and soil was hauled away.
0190007	1/24/2022	39.065601 -84.453968	50	2:04	NA	Contractor – Construction Damage	Overflow occurred due to contractor hitting SD1 main line. Pipe was quickly repaired with little cleanup required. Minimal sewage discharge into repair ditch and flushed back into system.
1520017	1/24/2022	39.056563 -84.542857	1,140	0:30	Moser's Branch	Blockage - Grease	Overflow was caused by grease in line. Line was jetted and cctv'd to ensure grease removal. Cleanup was performed by raking all solids. The area was flushed and vacuumed at the manhole and the catch basin and line were flushed to the creek. At the creek a pump was used to recover the sewage and pump back into the system. No noticeable odors or solids after mitigation.
1470032	1/26/2022	39.088253 -84.518772	100	0:46	Ohio River	Blockage - Debris	Release caused by debris in MH. Line jetted and debris removed. Very small discharge to river. No cleanup necessary.

2070026	1/28/2022	38.990174 -84.610784	2,888	1:11	UT Bullock Pen Creek	Blockage - Roots	Overflow occurred due to heavy roots in the main line. The roots were removed, and one section of both upstream and downstream pipe was cctv'd to ensure no further issues. Cleanup was performed by raking all solids and area was flushed with copious amounts of water. Creek is a fast-moving waterway so no further recovery could be performed. Seed and straw applied to the affected area. No noticeable odors or solids after mitigation.
2370096	2/13/2022	39.076015 -84.711690	8,100	2:15	UT Woolper Creek	Blockage - Grease / Rocks	Overflow occurred due to grease and medium sized rocks within the line. Lines were jetted and cctv'd to ensure no further issues existed. An area investigation was conducted to aid with future grease issues. Cleanup was performed by raking all solids and flushing/vacuuming the affected area and road. No noticeable odors or solids after mitigation.
0280041	3/1/2022	39.075361 -84.442047	13,680	6:00	UT Ohio River	Pipe Condition - Landslide	Overflow occurred due to hillside slippage. The slippage broke the main line and caused release. The main was repaired and line is open and flowing. Cleanup was performed by raking solids and scraping a small area of soil. Soil was hauled by construction crew. No noticeable odors or solids after mitigation.
1920428	3/8/2022	39.003816 -84.415975	500	0:15	UT Owl Creek	Blockage - Grease	Overflow occurred due to grease and medium sized rocks within the line. Lines were jetted and cctv'd to ensure no further issues existed. An area investigation was conducted to aid with future grease issues. No cleanup needed other than flushing of pipes due to the release discharging to a private catch basin. Several structures were inspected but no sewage found.
1870012	3/16/2022	39.033821 -84.501639	10,248	0:56	Bancklick Creek	Blockage - Debris	Overflow was caused by debris in manhole. The lines were cleaned and cctv'd. Cleanup was performed by raking solids and flushing the area into the creek. No sewage containment due to water level in creek. No noticeable odors or solids after mitigation.

1720005	3/17/2022	39.086454 -84.559098	3,420	1:30	Ohio River	Blockage – Debris	Overflow was caused by debris in the manhole. Debris removed and flow returned to mainline. No cleanup as flow discharged to Ohio River.
1810110	3/17/2022	39.067139 -84.595301	1,330	0:38	UT Pleasant Run Creek	Contractor – Construction Damage	Overflow occurred due to contractor hitting SD1 main line and not making the repair. This collapsed the main line, causing the backup. Repairs were completed and the lines both upstream and downstream were cctv'd with no additional issues found.
1810058	3/21/2022	39.066591 -84.584902	22,050	0:49	UT Pleasant Run Creek	Blockage - Debris	Overflow was caused by grease and heavy rags. Raked solids at overflow area. Earthen dam used while flushing area. Storm lines flushed. Seed and straw applied to raked areas.
1440073	4/15/2022	39.089607 -84.511691	1,634	0:43	UT Three Mile Creek	Blockage – Vandalism	Overflow was caused by vandalism as logs and sticks were thrown in MH. All solids were removed from the creek. Seed and straw applied to raked areas.
2280375	4/26/2022	38.953221 -84.627473	570	0:15	UT South Fork Gunpowder Creek	Blockage - Vandalism	Overflow was caused by stick inserted in the manhole resulting in debris hang-up. Blockage was broken up and line was jetted and cctv'd to ensure no further issues existed. Cleanup was performed by raking solids and scraping a small area of soil. Seed and straw applied to affected area. No noticeable odors or solids after mitigation.

0490097	5/16/2022	39.081136 -84.473881	3,990	1:45	NA	Blockage – Debris	Overflow was caused by debris in the main line. Line was partially cleared using a jet with the remaining blockage being removed via an entry. Lines were cctv'd and found to be in good condition. Very little cleanup required as no noticeable signs of overflow existed. Area was flushed with copious amounts of water.
2450PS3	6/1/2022	38.973722 -84.394268	383	0:05	NA	PS Electrical Failure	The Meyer Rd level control malfunctioned resulting in the system release. Operator was able to reset the control immediately and stop the release. Area around the station and manhole were flushed.
2180PS2	6/8/2022	38.963393 -84.594002	4,600	2:12	NA	PS Electrical Failure	Overflow was caused by a power failure during a rain event. On-call operator arrived in a timely manner with a tanker to haul the station. Power was restored and pumps were able to contain flow after the stated timeframe. No cleanup as all release was absorbed within the ground during rain event.
1810PS1	6/14/2022	39.073734 -84.578898	600	0:12	NA	PS Electrical Failure	Overflow was caused by a power failure which resulted in bypass prior to activation of portable generator. The bypass was quickly stopped as the generator was started and pump power restored. No cleanup as all release was absorbed within the ground.
1730027	6/17/2022	39.085043 -84.561231	4,294	1:53	Ohio River	Blockage – Debris	Overflow was caused by debris in the main line. Line was jetted and the debris was removed. Line is scheduled for cctv to determine if further action is necessary. No cleanup as flow discharged to Ohio River.

2391656	6/28/2022	39.024896 -84.713781	1,634	0:43	NA	Equipment Malfunction – Mechanical Failure	Release was caused by faulty air relief valve. All repairs were completed on the faulty valve. Minimal cleanup needed as release was mainly contained around the valve vault and swale. Swale was flushed with 2 vactors worth of water with the water then vacuumed and removed. No visible solids to clean or remove.
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2.3 SSOs at Pump Stations Caused by Typical Year Wet Weather

SSO	Date & Time	Location (x, y)	Estimated Volume (gallons)	Duration (hrs:min)	Receiving Water	Related Project
NA	NA	NA	NA	NA	NA	NA

2.4 SSOs at Pump Stations Caused by Non-Typical Year Wet Weather

SSO	Date & Time	Location (x, y)	Estimated Volume (gallons)	Duration (hrs:min)	Receiving Water	Related Project
Bullitsville PS	3/7/2022 0820	39.075280- 84.738377	15,525	6:40	Wolpert Creek	Bullitsville EQ
Bullitsville PS	5/19/2022 2145	39.075280- 84.738377	4,600	2:10	Wolpert Creek	Bullitsville EQ
Keavy PS	6/8/2022 1839	39.019385 -84.504202	9,570	1:27	UT Ohio River	Keavy EQ
Lakeview PS	6/8/2022 1958	39.029362 -84.532228	158,650	2:43	Banklick Creek	Lakeview EQ

2.5 Model Predicted SSOs Caused by Typical Year Wet Weather

SSO	Location (x, y)	Date & Time	Estimated Volume (MG)	Duration (hrs:min)	Receiving Water	Related Project
1860108	39.036049, -84.508653	1/1/2022 11:58	0.142	19:08	Banklick Creek	Banklick EQ/Conveyance
1850141	39.034191, -84.501171	1/1/2022 12:10	0.165	18:57	Banklick Creek	Banklick EQ/Conveyance
60001	39.054000, -84.435000	1/1/2022 14:09	0.008	1:58	Threemile Creek	HH/SG Improvements (2040)
		1/9/2022 5:31	0.007	1:06		
		2/22/2022 10:56	0.016	2:12		
		3/7/2022 6:59	0.011	2:09		
		4/13/2022 22:00	0.010	1:30		
		5/6/2022 6:55	0.002	0:24		
		6/6/2022 16:40	0.014	6:12		

60002	39.053526, -84.435877	1/1/2022 14:37	0.001	0:30	Threemile Creek	HH/SG Improvements (2040)
		1/9/2022 5:40	0.003	0:38		
		2/22/2022 11:06	0.018	1:41		
		4/13/2022 22:00	0.005	0:29		
		6/6/2022 16:40	0.016	5:58		
60004	39.053000, -84.436000	6/6/2022 16:40	0.005	5:23	Threemile Creek	HH/SG Improvements (2040)
110010	39.048830, -84.455989	1/1/2022 13:00	0.056	4:12	Threemile Creek	Licking River Siphon Conveyance Extension
		1/9/2022 5:05	0.050	2:32		
		2/22/2022 10:15	0.089	3:22		

		3/7/2022 5:35	0.088	4:18		
		4/13/2022 21:55	0.070	2:37		
		5/6/2022 6:14	0.042	2:09		
		6/6/2022 16:40	0.084	7:49		
150009	39.053425, -84.481907	1/1/2022 13:40	0.139	5:57	UT to Threemile Creek	Licking River Siphon Conveyance
		1/9/2022 6:05	0.016	1:14		
		3/7/2022 6:30	0.116	3:60		
		4/13/2022 22:25	0.094	2:19		
		5/6/2022 7:00	0.060	1:29		

		5/19/2022 21:50	0.050	1:10		
		6/6/2022 21:55	0.009	0:49		
		6/8/2022 18:50	0.091	2:25		
150061	39.048237, -84.481442	1/1/2022 13:40	0.030	4:56	Threemile Creek	Licking River Siphon Conveyance
		1/9/2022 6:00	0.009	1:27		
		3/7/2022 6:40	0.025	4:14		
		4/13/2022 22:40	0.010	1:44		
		5/6/2022 7:15	0.002	0:19		
		6/6/2022 21:55	0.015	2:49		
		6/8/2022 18:50	0.028	4:44		

150063	39.048376, -84.480416	1/1/2022 17:22	0.001	0:14	Threemile Creek	Licking River Siphon Conveyance
		6/8/2022 19:36	0.001	0:21		
150064	39.048569, -84.479495	1/1/2022 13:40	0.050	4:18	Threemile Creek	Licking River Siphon Conveyance
		1/9/2022 6:00	0.008	0:56		
		3/7/2022 6:45	0.059	3:48		
		4/13/2022 22:40	0.012	1:13		
		6/6/2022 21:55	0.015	1:23		
		6/8/2022 18:40	0.097	4:44		
150065	39.049000, -84.478000	3/7/2022 7:58	0.004	1:04	Threemile Creek	Licking River Siphon Conveyance (2029)
		6/8/2022 18:40	0.074	3:39		

150399	39.049304, -84.483918	1/1/2022 13:35	0.093	5:58	Threemile Creek	Licking River Siphon Conveyance
		1/9/2022 6:01	0.024	1:57		
		3/7/2022 6:30	0.074	4:44		
		4/13/2022 22:30	0.038	2:34		
		5/6/2022 7:05	0.013	1:15		
		5/19/2022 22:00	0.003	0:38		
		6/6/2022 21:55	0.025	2:55		
		6/8/2022 18:50	0.052	4:26		
230016	39.071407, -84.460345	5/19/2022 21:10	0.004	0:15	UT to Threemile Creek	Licking River Siphon Conveyance (2040)
		6/2/2022 11:00	0.002	0:10		

		6/6/2022 16:20	0.002	0:14		
300035	39.084106, -84.446180	3/7/2022 5:15	0.002	0:10	UT to Ohio River	HH/SG Improvements (2040)
		3/23/2022 14:55	0.001	0:10		
		4/13/2022 21:35	0.010	0:25		
		5/6/2022 6:30	0.004	0:15		
		5/19/2022 21:10	0.013	0:20		
		6/2/2022 11:00	0.009	0:20		
		6/6/2022 16:20	0.009	0:20		
		6/8/2022 18:20	0.001	0:10		
		6/22/2022 16:55	0.008	0:20		

340003	39.098779, -84.439774	4/13/2022 22:00	0.004	0:29	UT to Ohio River	HH/SG Improvements (2040)
		5/6/2022 6:40	0.005	0:30		
		5/19/2022 21:30	0.003	0:23		
390006	39.101429, -84.456785	2/17/2022 17:15	0.004	0:30	UT to Taylor Creek	Taylor Creek (2040)
390007	39.101019, -84.456644	2/17/2022 17:15	0.004	0:29	UT to Taylor Creek	Taylor Creek (2040)
410019	39.086080, -84.459029	4/13/2022 21:50	0.004	0:39	UT to Woodlawn Creek	Taylor Creek (2040)
		5/6/2022 6:37	0.003	0:37		
		5/19/2022 21:20	0.003	0:34		
430006	39.095033, -84.469461	1/1/2022 14:05	0.032	2:34	UT to Woodlawn Creek	Taylor Creek (2040)
		1/9/2022 6:30	0.003	0:34		
		2/17/2022 15:05	0.390	8:22		

		2/22/2022 11:05	0.053	1:55		
		4/13/2022 21:55	0.088	2:12		
		5/21/2022 14:55	0.017	0:40		
430107	39.094213, -84.466250	4/13/2022 22:05	0.014	1:14	UT to Woodlawn Creek	Taylor Creek (2040)
		5/6/2022 6:55	0.004	0:20		
		5/19/2022 21:35	0.008	0:20		
440074	39.102626, -84.459567	2/17/2022 17:18	0.004	0:49	Taylor Creek	Taylor Creek (2040)
530083	39.093628, -84.473394	1/1/2022 14:17	0.009	2:47	UT to Woodlawn Creek	Taylor Creek (2040)
		2/17/2022 15:05	0.313	9:17		
		2/22/2022 11:10	0.009	1:59		
		4/13/2022 22:05	0.014	2:10		

860001	39.052515, -84.494621	1/1/2022 13:26	0.498	9:23	Licking River	Licking River Siphon EQ
		1/9/2022 6:00	0.160	3:56		
		2/2/2022 19:20	0.046	1:58		
		2/24/2022 20:15	0.073	6:42		
		3/7/2022 6:20	0.335	6:24		
		4/13/2022 22:25	0.169	3:34		
		5/6/2022 7:05	0.095	2:38		
		5/19/2022 21:55	0.087	2:14		
		5/21/2022 15:48	0.002	0:25		
		6/6/2022 17:51	0.138	7:43		
		6/8/2022 18:50	0.194	5:24		
870037	39.046409, -84.494850	3/7/2022 6:00	0.004	0:10	None: Returned to CSS	James Ave Consolidation Sewer
		4/13/2022 21:20	0.028	0:20		
		5/6/2022 6:10	0.004	0:15		

		5/19/2022 20:55	0.041	0:20		
		5/21/2022 14:15	0.017	0:15		
		6/6/2022 16:00	0.023	0:20		
		6/8/2022 18:20	0.019	0:15		
1010002	39.084794, -84.459673	4/13/2022 21:55	0.001	0:24	UT to to Woodlawn Creek	Taylor Creek (2040)
		5/6/2022 6:40	0.002	0:24		
		5/19/2022 21:20	0.003	0:24		
1110067	39.006569, -84.589221	1/1/2022 14:00	0.037	3:45	Rice Creek	Lakeview (2040)
		1/9/2022 6:30	0.015	1:20		
		2/22/2022 10:20	0.140	5:24		
		3/7/2022 6:35	0.065	3:38		
1110073	39.007039, -84.589687	2/22/2022 11:20	0.013	1:44	Rice Creek	Lakeview (2040)

1110103	39.007732, -84.590497	2/22/2022 11:26	0.011	1:23	Rice Creek	Lakeview (2040)
1110294	39.006329, -84.588649	2/22/2022 11:04	0.015	2:59	Rice Creek	Lakeview (2040)
1190012	39.015680, -84.608249	1/9/2022 6:30	0.003	0:30	UT to Dry Creek	Dry Creek (2040)
		2/22/2022 10:22	0.038	3:05		
		3/7/2022 7:25	0.006	1:09		
		4/13/2022 21:40	0.002	0:21		
1200022	39.022725, -84.603567	2/22/2022 11:20	0.005	0:48	UT to Dry Creek	Dry Creek (2040)
1220016	39.028552, -84.599485	2/22/2022 10:50	0.010	2:39	UT to Dry Creek	Dry Creek (2040)
		3/7/2022 7:45	0.002	0:48		
		4/13/2022 21:35	0.004	1:33		
1220054	39.026306, -84.601512	2/22/2022 10:50	0.045	2:39	UT to Dry Creek	Dry Creek (2040)
		3/7/2022 7:47	0.004	0:42		
		4/13/2022 21:35	0.005	1:34		
1230019	39.017120, -84.615307	2/22/2022 11:10	0.021	1:43	UT to Dry Creek	Dry Creek (2040)
1240008	39.013657, -84.615784	1/9/2022 5:35	0.044	3:01	UT to Dry Creek	Dry Creek (2040)
		2/2/2022 12:12	0.015	8:10		

		2/3/2022 6:45	0.007	3:16		
		2/6/2022 15:27	0.003	1:34		
		2/22/2022 8:05	0.094	5:37		
		2/24/2022 19:05	0.009	6:57		
		3/7/2022 5:20	0.065	4:24		
		4/13/2022 21:46	0.036	2:27		
1520124	39.053274, -84.543298	5/19/2022 21:15	0.008	0:20	Moser's Branch	Lakeview (2040)
		6/2/2022 10:55	0.026	0:34		
		6/6/2022 16:20	0.014	5:25		
		6/22/2022 17:00	0.001	0:11		
1550053	39.047894, -84.558901	2/22/2022 11:15	0.006	1:02	UT to to Pleasant Run Creek	Bromley Crescent Springs Improvements (2040)
		4/13/2022 20:40	0.002	0:15		
		5/19/2022 20:20	0.001	0:10		
		6/6/2022 15:15	0.003	0:15		

1560092	39.046501, -84.559279	2/22/2022 11:15	0.018	1:16	UT to Pleasant Run Creek	Bromley Crescent Springs Conveyance
		4/13/2022 20:40	0.008	0:20		
		5/19/2022 20:20	0.006	0:20		
		6/6/2022 15:15	0.014	0:25		
		6/8/2022 17:35	0.004	0:15		
1730085	39.076334, -84.557496	2/22/2022 12:12	0.004	1:04	Pleasant Run Creek	Bromley Crescent Springs Improvements (2029)
1730086	39.075237, -84.557641	2/22/2022 11:40	0.175	2:29	Pleasant Run Creek	Bromley Crescent Springs Improvements (2029)
		3/7/2022 7:10	0.094	2:24		
1730104	39.063439, -84.560897	2/22/2022 11:35	0.027	1:33	Pleasant Run Creek	Bromley Crescent Springs Improvements (2040)
1760047	39.002867, -84.566260	1/1/2022 14:56	0.004	7:15	UT to Bullock Pen Creek	Lakeview (2040)
		1/9/2022 9:46	0.001	0:45		
		2/22/2022 12:15	0.010	2:08		
		3/7/2022 6:15	0.062	7:44		
1760048	39.003054, -84.566090	3/7/2022 6:15	0.025	4:46	UT to Bullock Pen Creek	Lakeview (2040)

1850140	39.035532, -84.501651	1/2/2022 21:05	2.026	102:09	Banklick Creek	Banklick EQ/Conveyance
		2/5/2022 11:32	2.222	84:42		
		3/9/2022 4:39	1.405	74:01		
		5/9/2022 2:31	1.632	88:43		
		5/19/2022 21:00	0.002	0:12		
1850141	39.034191, -84.501171	1/2/2022 20:51	0.133	100:09	Banklick Creek	Banklick EQ/Conveyance
		1/9/2022 5:17	0.053	4:37		
		2/2/2022 12:35	0.157	23:37		
		2/5/2022 12:02	0.378	84:07		
		3/7/2022 6:05	0.096	6:33		
		3/9/2022 5:40	0.050	68:14		
		4/13/2022 21:25	0.042	1:44		
		5/3/2022 9:20	0.008	0:29		
		5/6/2022 5:55	0.024	1:08		
		5/9/2022 7:56	0.054	83:17		
		5/18/2022 19:45	0.001	0:21		

		5/19/2022 20:55	0.039	8:24		
		5/21/2022 14:25	0.007	0:40		
		6/6/2022 16:00	0.036	5:56		
		6/8/2022 18:25	0.017	1:19		
		6/22/2022 16:55	0.016	0:59		
1860108	39.036049, -84.508653	1/9/2022 6:05	0.035	4:40	Banklick Creek	Banklick EQ/Conveyance
		2/2/2022 12:21	0.088	24:31		
		2/6/2022 15:15	0.160	9:45		
		2/7/2022 13:03	0.039	4:20		
		3/7/2022 6:20	0.081	7:18		
		4/13/2022 21:35	0.008	1:23		
		5/6/2022 6:25	0.003	0:20		
		5/19/2022 21:05	0.009	0:26		
		6/6/2022 16:10	0.005	0:28		
		6/8/2022 18:35	0.001	0:14		
1920086	39.029000, -84.433000	6/8/2022 18:47	0.002	2:10	Duck Creek	Wolpert PS

1920097	39.028000, -84.433000	6/8/2022 18:45	0.011	2:18	Duck Creek	Wolpert PS
1940027	39.041449, -84.540022	2/22/2022 11:20	0.030	1:24	Moser's Branch	Lakeview (2034)
		4/13/2022 21:50	0.006	0:25		
		5/19/2022 21:25	0.003	0:24		
		6/6/2022 16:35	0.002	0:19		
		6/8/2022 18:35	0.012	0:34		
1950010	39.034633, -84.529224	1/1/2022 15:40	0.211	7:55	Banklick Creek	Lakeview (2040)
		2/22/2022 12:40	0.140	4:59		
		3/7/2022 9:05	0.155	5:15		
		6/8/2022 19:00	0.271	6:34		
1950027	39.041148, -84.524989	6/8/2022 19:30	0.010	2:03	Banklick Creek	Lakeview (2040)
1950036	39.045160, -84.519178	1/1/2022 15:45	0.103	4:15	UT to Banklick Creek	Lakeview (2040)
		3/7/2022 9:20	0.081	3:03		
		6/8/2022 19:05	0.286	4:49		
1990018	39.016262, -84.528748	6/8/2022 19:30	0.214	3:09	Banklick Creek	Lakeview (2040)
2020035	38.992666, -84.519138	1/1/2022 13:40	0.075	8:22		Lakeview (2040)

		1/9/2022 5:55	0.020	1:43	Wayman or Hands Branch	
		2/22/2022 11:15	0.054	3:00		
		3/7/2022 6:40	0.069	4:22		
		4/13/2022 22:15	0.003	0:38		
		6/8/2022 17:12	0.138	6:51		
2020203	38.992253, -84.518312	2/22/2022 11:38	0.001	0:41	Waymans Branch	Lakeview (2040)
		6/8/2022 17:40	0.028	2:52		
2020860	38.991807, -84.518144	6/8/2022 17:40	0.054	2:41	Waymans Branch	Lakeview (2040)
2100057	39.001294, -84.611764	2/22/2022 11:11	0.005	1:36	UT to Bullock Pen Creek	Lakeview (2040)
2100126	39.001555, -84.612300	2/22/2022 11:15	0.005	1:11	UT to Bullock Pen Creek	Lakeview (2040)
2110006	39.004057, -84.606363	1/9/2022 6:35	0.009	0:53	UT to Bullock Pen Creek	Lakeview (2040)
		2/22/2022 10:55	0.053	2:18		
		3/7/2022 6:50	0.014	1:53		
		4/13/2022 21:55	0.026	1:34		
2120041	39.007017, -84.603772	4/13/2022 21:35	0.002	0:15	UT to Bullock Pen Creek	Lakeview (2040)

2170097	39.025928, -84.550366	6/8/2022 17:30	0.001	0:15	UT to Horse Branch	Lakeview (2040)
2210009	38.977331, -84.387178	2/17/2022 17:35	0.026	5:50	UT to Tug Creek	Eastern Regional (2040)
2210050	38.980709, -84.390543	1/9/2022 7:35	0.002	1:07	UT to Tug Creek	Eastern Regional (2040)
		2/17/2022 16:20	0.054	8:00		
		2/22/2022 12:50	0.003	1:23		
		3/7/2022 7:30	0.011	3:50		
		6/6/2022 21:40	0.012	5:41		
2300011	38.985000, -84.538000	1/1/2022 14:12	0.009	4:10	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)
		1/9/2022 8:12	0.001	0:57		
		2/22/2022 12:12	0.033	3:37		
		3/7/2022 7:45	0.064	6:35		
2300013	38.984153, -84.539668	1/1/2022 13:55	0.340	11:12	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)

		1/9/2022 7:55	0.181	6:50		
		2/2/2022 20:40	0.090	4:13		
		2/3/2022 9:40	0.069	4:15		
		2/22/2022 12:10	0.231	7:53		
		2/24/2022 22:45	0.007	1:09		
		3/7/2022 7:40	0.317	9:46		
2300019	38.978000, -84.543000	2/22/2022 13:35	0.015	2:07	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)
		3/7/2022 8:35	0.049	4:42		
2300027	38.975000, -84.549000	2/22/2022 13:50	0.008	1:23	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)
		3/7/2022 8:45	0.062	3:55		
2300121	38.943000, -84.579000	2/22/2022 13:05	0.023	1:15	Banklick Creek	Western Regional (2034)

		3/7/2022 7:30	0.107	3:09		
2301219	38.980638, -84.541256	1/1/2022 14:20	0.275	9:58	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)
		1/9/2022 8:05	0.108	5:29		
		2/2/2022 21:00	0.018	2:35		
		2/3/2022 11:34	0.001	0:34		
		2/22/2022 12:20	0.313	6:51		
		3/7/2022 7:40	0.574	8:58		
		2330095	38.883408, -84.387022	2/17/2022 18:32		
2370003	39.074793, -84.738540	2/22/2022 11:50	0.089	4:02	Woolper Creek	Bullitsville EQ
		2/24/2022 21:45	0.008	1:21		
2410387	39.005352, -84.689242	6/8/2022 19:40	0.003	0:49	UT to Gunpowder Creek	Western Regional (2040)

2.6 Model Predicted SSOs Caused by Non-Typical Year Wet Weather

SSO	Location (x, y)	Date & Time	Estimated Volume (MG)	Duration (hrs:min)	Receiving Water	Related Project
1240008	39.013657, -84.615784	2/17/2022 8:15	0.206	13:52	UT to Dry Creek	Dry Creek (2040)
40003	39.058364, -84.443599	2/17/2022 17:30	0.003	0:20	UT to Threemile Creek	HH/SG Improvements (2040)
50022	39.057312, -84.443133	2/17/2022 17:25	0.013	0:53	UT to Threemile Creek	HH/SG Improvements (2040)
50131	39.054857, -84.433274	2/17/2022 17:27	0.016	1:58	Threemile Creek	HH/SG Improvements (2040)
60001	39.054000, -84.435000	2/17/2022 14:53	0.097	11:13	Threemile Creek	HH/SG Improvements (2040)
		6/8/2022 17:06	0.052	6:17		
60002	39.053526, -84.435877	2/17/2022 15:01	0.140	7:51	Threemile Creek	HH/SG Improvements (2040)
		6/8/2022 17:05	0.087	5:49		

60004	39.053000, -84.436000	2/17/2022 15:17	0.231	6:30	Threemile Creek	HH/SG Improvements (2040)
		6/8/2022 17:05	0.138	4:48		
70044	39.037000, -84.444000	2/17/2022 17:35	0.011	0:37	UT to Threemile Creek	HH/SG Improvements (2040)
		6/8/2022 18:30	0.006	0:30		
100001	39.044000, -84.459000	2/17/2022 17:35	0.004	0:37	Threemile Creek	Licking River Siphon Conveyance (2034)
		6/8/2022 18:35	0.003	0:29		
100004	39.042000, -84.461000	2/17/2022 17:30	0.029	1:35	Threemile Creek	Licking River Siphon Conveyance (2034)
		6/8/2022 18:35	0.035	1:39		
110002	39.053000, -84.458000	2/17/2022 17:35	0.002	0:19	Threemile Creek	Licking River Siphon Conveyance (2034)
110010	39.048830, -84.455989	2/17/2022 14:35	0.440	7:40	Threemile Creek	Licking River Siphon Conveyance Extension

		5/19/2022 21:30	0.007	0:34		
		6/8/2022 17:00	0.305	5:39		
150009	39.053425, -84.481907	2/17/2022 14:50	0.997	10:19	UT to Threemile Creek	Licking River Siphon Conveyance
		2/22/2022 10:40	0.108	3:35		
150024	39.060000, -84.478000	2/17/2022 17:05	0.105	3:08	North Branch Threemile Creek	Licking River Siphon Conveyance (2040)
150061	39.048237, -84.481442	2/17/2022 15:00	0.061	9:14	Threemile Creek	Licking River Siphon Conveyance
		2/22/2022 10:45	0.022	3:38		
150063	39.048376, -84.480416	2/17/2022 18:22	0.009	4:51	Threemile Creek	Licking River Siphon Conveyance
150064	39.048569, -84.479495	2/17/2022 15:00	0.203	8:52	Threemile Creek	Licking River Siphon Conveyance
		2/22/2022 10:50	0.053	3:18		

150065	39.049000, -84.478000	2/17/2022 15:10	0.256	8:09	Threemile Creek	Licking River Siphon Conveyance (2029)
		2/22/2022 11:10	0.018	1:42		
150083	39.051555, -84.463159	2/17/2022 17:25	0.004	0:28	Threemile Creek	Licking River Siphon Conveyance Extension
150086	39.053303, -84.460735	2/17/2022 16:00	0.205	6:18	Threemile Creek	Licking River Siphon Conveyance Extension
		6/8/2022 18:30	0.033	1:59		
150198	39.049000, -84.477000	2/17/2022 16:50	0.044	3:13	Threemile Creek	Licking River Siphon Conveyance (2029)
150399	39.049304, -84.483918	2/17/2022 14:50	0.191	9:58	Threemile Creek	Licking River Siphon Conveyance
		2/22/2022 10:40	0.066	4:09		
220056	39.066994, -84.454804	2/17/2022 17:30	0.009	1:26	UT to Threemile Creek	Licking River Siphon Conveyance (2040)

220086	39.064285, -84.456303	2/17/2022 17:30	0.007	0:34	UT to Threemile Creek	Licking River Siphon Conveyance (2040)
230016	39.071407, -84.460345	2/17/2022 17:25	0.006	0:16	UT to Threemile Creek	Licking River Siphon Conveyance (2040)
		5/21/2022 14:30	0.003	0:10		
270026	39.074989, -84.451222	2/17/2022 17:25	0.011	0:39	UT to Threemile Creek	Licking River Siphon Conveyance (2040)
		5/19/2022 21:10	0.003	0:19		
		5/21/2022 14:35	0.002	0:10		
		6/2/2022 11:00	0.004	0:23		
		6/8/2022 18:20	0.002	0:19		
280001	39.075061, -84.440902	2/17/2022 17:30	0.003	0:19	UT to Ohio River	HH/SG Improvements (2040)
		5/19/2022 21:15	0.001	0:14		

		5/21/2022 14:40	0.001	0:10		
		6/2/2022 11:10	0.002	0:13		
		6/8/2022 18:25	0.001	0:14		
300035	39.084106, -84.446180	2/17/2022 17:25	0.014	0:20	UT to Ohio River	HH/SG Improvements (2040)
		5/21/2022 14:30	0.011	0:20		
300049	39.083541, -84.446231	5/21/2022 14:30	0.002	0:15	UT to to Ohio River	HH/SG Improvements (2040)
300058	39.081674, -84.446103	5/21/2022 14:30	0.002	0:10	UT to Ohio River	HH/SG Improvements (2040)
340003	39.098779, -84.439774	2/17/2022 16:02	0.071	3:12	UT to Ohio River	HH/SG Improvements (2040)
410001	39.093032, -84.464007	2/17/2022 17:10	0.034	1:19	UT to Woodlawn Creek	Taylor Creek (2040)
410010	39.088912, -84.461262	2/17/2022 17:35	0.006	0:34	UT to to Woodlawn Creek	Taylor Creek (2040)

410019	39.086080, -84.459029	2/17/2022 15:55	0.036	5:27	UT to Woodlawn Creek	Taylor Creek (2040)
410115	39.090654, -84.462333	2/17/2022 17:35	0.019	0:25	UT to Woodlawn Creek	Taylor Creek (2040)
430006	39.095033, -84.469461	3/7/2022 5:45	0.025	3:14	UT to Woodlawn Creek	Taylor Creek (2040)
		5/6/2022 6:45	0.038	1:08		
		5/19/2022 21:30	0.034	0:60		
430107	39.094213, -84.466250	2/17/2022 15:35	0.189	5:07	UT to Woodlawn Creek	Taylor Creek (2040)
490035	39.078140, -84.477896	2/17/2022 17:30	0.008	0:44	UT to to Woodlawn Creek	Not Applicable
490039	39.078517, -84.476558	2/17/2022 17:35	0.002	0:18	UT to to Woodlawn Creek	Not Applicable
490073	39.079808, -84.474727	2/17/2022 17:35	0.002	0:19	UT to to Woodlawn Creek	Not Applicable
490137	39.078708, -84.479448	2/17/2022 17:25	0.015	1:03	UT to to Woodlawn Creek	Taylor Creek (2040)

500047	39.079133, -84.480473	2/17/2022 17:16	0.084	1:13	UT to to Woodlawn Creek	Taylor Creek (2040)
530083	39.093628, -84.473394	3/7/2022 7:30	0.002	1:21	UT to Woodlawn Creek	Taylor Creek (2040)
		5/6/2022 6:50	0.006	1:09		
		5/19/2022 21:35	0.006	1:04		
530119	39.091264, -84.475230	2/17/2022 17:05	0.196	2:30	UT to to Woodlawn Creek	Taylor Creek (2040)
530122	39.091578, -84.474495	2/17/2022 18:05	0.007	0:15	UT to Woodlawn Creek	Taylor Creek (2040)
620057	39.101530, -84.482660	3/6/2022 16:05	0.007	0:15	None: Returned to CSS	Not Applicable
		5/6/2022 4:25	0.011	0:15		
		5/19/2022 20:00	0.014	0:15		
		6/2/2022 9:40	0.002	0:10		

		6/6/2022 15:10	0.013	5:05		
710071	39.077833, -84.484440	2/17/2022 17:30	0.006	0:29	UT to to Woodlawn Creek	Taylor Creek (2040)
760047	39.090159, -84.490190	5/19/2022 20:55	0.003	0:10	None: Returned to CSS	Not Applicable
780055	39.090033, -84.496301	5/19/2022 20:55	0.008	0:10	None: Returned to CSS	Not Applicable
780084	39.090297, -84.495817	5/19/2022 20:50	0.005	0:15	None: Returned to CSS	Not Applicable
		6/6/2022 16:00	0.002	0:10		
780091	39.090563, -84.495334	2/17/2022 18:10	0.006	0:10	None: Returned to CSS	Not Applicable
		5/19/2022 20:05	0.040	1:00		
		6/6/2022 16:00	0.013	5:5		
780092	39.090831, -84.494848	5/19/2022 20:50	0.008	0:14	None: Returned to CSS	Not Applicable

820078	39.089982, -84.498653	5/19/2022 20:50	0.013	0:15	None: Returned to CSS	Not Applicable
830058	39.085144, -84.499760	5/19/2022 20:50	0.020	0:15	None: Returned to CSS	Not Applicable
		6/6/2022 16:00	0.001	0:10		
860001	39.052515, -84.494621	2/17/2022 9:40	0.884	16:58	Licking River	Licking River Siphon EQ
		2/22/2022 10:25	0.324	6:02		
870037	39.046409, -84.494850	2/17/2022 18:00	0.082	0:40	None: Returned to CSS	James Ave Consolidation Sewer
		3/23/2022 14:35	0.007	0:10		
940023	39.068571, -84.503285	6/2/2022 10:50	0.008	0:15	Licking River	Not Applicable
940027	39.068515, -84.503758	5/19/2022 21:05	0.003	0:10	None: Returned to CSS	Not Applicable
		6/2/2022 10:50	0.009	0:15		
940031	39.068387, -84.504614	6/2/2022 10:50	0.007	0:15	Licking River	Not Applicable
1010002	39.084794, -84.459673	2/17/2022 16:00	0.060	4:27	UT to to Woodlawn Creek	Taylor Creek (2040)

1010025	39.083975, -84.457830	2/17/2022 17:05	0.031	2:04	UT to to Woodlawn Creek	Taylor Creek (2034)
1010027	39.083566, -84.456180	2/17/2022 17:30	0.011	0:40	UT to to Woodlawn Creek	Taylor Creek (2040)
1040074	38.971953, -84.606024	2/17/2022 18:30	0.001	0:22	UT to Bullock Pen Creek	Not Applicable
1090069	39.004466, -84.575876	6/8/2022 18:30	0.002	0:23	UT to to Bullock Pen Creek	Lakeview (2040)
1110025	39.006693, -84.589290	2/17/2022 16:00	0.004	5:53	Rice Creek	Lakeview (2040)
1110027	39.007487, -84.590242	2/17/2022 15:38	0.082	7:17	Rice Creek	Lakeview (2040)
1110051	39.010608, -84.598219	2/17/2022 17:21	0.002	0:32	Rice Creek	Lakeview (2040)
1110067	39.006569, -84.589221	2/17/2022 14:25	0.486	13:19	Rice Creek	Lakeview (2040)
		5/19/2022 21:30	0.002	0:23		
		6/8/2022 18:55	0.010	1:24		
1110073	39.007039, -84.589687	2/17/2022 15:06	0.196	8:34	Rice Creek	Lakeview (2040)
1110103	39.007732, -84.590497	2/17/2022 15:15	0.162	7:48	Rice Creek	Lakeview (2040)
1110104	39.008412, -84.591316	2/17/2022 16:52	0.022	4:09	Rice Creek	Lakeview (2040)
1110106	39.009403, -84.591498	2/17/2022 17:30	0.015	2:02	Rice Creek	Lakeview (2040)

1110150	39.009395, -84.594168	2/17/2022 17:20	0.004	2:56	UT to Rice Creek	Lakeview (2040)
1110161	39.010650, -84.595484	2/17/2022 16:10	0.082	5:07	UT to to Rice Creek	Lakeview (2040)
1110164	39.010722, -84.597225	2/17/2022 16:11	0.018	4:42	Rice Creek	Lakeview (2040)
1110174	39.010843, -84.599667	2/17/2022 16:16	0.039	3:42	Rice Creek	Lakeview (2040)
1110275	39.010832, -84.600159	2/17/2022 17:26	0.003	0:38	Rice Creek	Lakeview (2040)
1110294	39.006329, -84.588649	2/17/2022 14:52	0.090	10:34	Rice Creek	Lakeview (2040)
1150033	39.022043, -84.584882	2/17/2022 17:40	0.011	0:41	Dry Creek	Not Applicable
1160017	39.020280, -84.578551	2/17/2022 17:40	0.010	1:28	UT to to Dry Creek	Not Applicable
1180218	39.025901, -84.581566	2/17/2022 17:35	0.036	1:44	Dry Creek	Not Applicable
1190001	39.015782, -84.610075	2/17/2022 17:25	0.006	0:35	UT to to Dry Creek	Dry Creek (2040)
1190012	39.015680, -84.608249	2/17/2022 14:30	0.307	9:48	UT to Dry Creek	Dry Creek (2040)
		5/19/2022 21:10	0.005	0:24		
		6/6/2022 16:05	0.013	5:44		
		6/8/2022 18:30	0.038	1:57		
1200001	39.024181, -84.601927	2/17/2022 17:25	0.002	0:19	UT to Dry Creek	Dry Creek (2040)
1200022	39.022725, -84.603567	2/17/2022 15:05	0.176	7:33	UT to Dry Creek	Dry Creek (2040)

		5/19/2022 21:10	0.004	0:15		
		6/6/2022 16:00	0.007	5:30		
		6/8/2022 18:35	0.012	1:25		
1200035	39.021471, -84.605720	2/17/2022 17:25	0.005	0:24	UT to Dry Creek	Dry Creek (2040)
1220016	39.028552, -84.599485	2/17/2022 14:41	0.054	9:02	UT to Dry Creek	Dry Creek (2040)
		5/19/2022 21:10	0.004	0:20		
		6/6/2022 16:00	0.010	5:59		
		6/8/2022 18:35	0.012	2:29		
1220054	39.026306, -84.601512	2/17/2022 14:44	0.320	10:22	UT to Dry Creek	Dry Creek (2040)
		5/19/2022 21:10	0.006	0:24		
		6/6/2022 16:00	0.018	6:03		
		6/8/2022 18:31	0.050	2:32		
1230019	39.017120, -84.615307	2/17/2022 15:01	0.166	6:54	UT to Dry Creek	Dry Creek (2040)
		6/8/2022 18:45	0.025	1:50		
1230020	39.016998, -84.614652	2/17/2022 17:16	0.018	1:42	UT to Dry Creek	Dry Creek (2040)
1230028	39.016710, -84.614096	2/17/2022 15:55	0.094	5:01	UT to Dry Creek	Dry Creek (2040)

1230031	39.016179, -84.612386	2/17/2022 17:16	0.006	1:39	UT to Dry Creek	Dry Creek (2040)
1240008	39.013657, -84.615784	5/19/2022 21:16	0.002	0:29	UT to Dry Creek	Dry Creek (2040)
		6/6/2022 21:24	0.001	0:27		
		6/8/2022 18:30	0.072	2:44		
1240012	39.013000, -84.616000	2/17/2022 16:13	0.035	2:35	UT to to Dry Creek	Dry Creek (2040)
		6/8/2022 18:56	0.007	1:07		
1240013	39.011920, -84.615265	2/17/2022 17:30	0.004	0:34	UT to Dry Creek	Dry Creek (2040)
1300005	39.062000, -84.516000	2/17/2022 17:35	0.001	0:37	No Waterway Affected	Not Applicable
1300007	39.060048, -84.515527	2/17/2022 17:30	0.008	0:40	Ohio River	Not Applicable
1310067	39.060240, -84.507998	2/17/2022 17:25	0.002	0:10	None: Returned to CSS	Not Applicable
		4/13/2022 21:30	0.004	0:13		
		5/19/2022 21:05	0.014	0:20		
		6/2/2022 10:50	0.029	0:20		

		6/6/2022 16:05	0.018	5:15		
		6/22/2022 16:45	0.013	0:20		
1330022	39.062389, -84.525742	6/2/2022 10:55	0.001	0:12	Ohio River	Not Applicable
1440077	39.088848, -84.511493	5/19/2022 20:50	0.003	0:10	None: Returned to CSS	Not Applicable
1520124	39.053274, -84.543298	2/17/2022 16:47	0.030	1:28	Moser's Branch	Lakeview (2040)
1550053	39.047894, -84.558901	2/17/2022 15:00	0.122	7:19	UT to to Pleasant Run Creek	Bromley Crescent Springs Improvements (2040)
1560016	39.044140, -84.559151	2/17/2022 17:25	0.027	1:02	UT to Pleasant Run Creek	Bromley Crescent Springs Improvements (2040)
1560092	39.046501, -84.559279	2/17/2022 14:55	0.283	7:13	UT to Pleasant Run Creek	Bromley Crescent Springs Conveyance
1560121	39.045134, -84.559066	2/17/2022 17:25	0.005	0:38	UT to Pleasant Run Creek	Bromley Crescent Springs Improvements (2040)
1580034	39.039627, -84.559286	2/17/2022 17:30	0.004	0:24	UT to Pleasant Run Creek	Not Applicable

1610054	39.042768, -84.579253	2/17/2022 16:20	0.120	2:19	Dry Creek	Dry Creek (2040)
1610055	39.042882, -84.579124	2/17/2022 17:25	0.041	0:60	Dry Creek	Dry Creek (2040)
1610114	39.041772, -84.576255	2/17/2022 17:35	0.046	0:35	UT to Dry Creek	Not Applicable
1610158	39.042552, -84.576678	2/17/2022 17:35	0.035	0:40	UT to Dry Creek	Not Applicable
1620001	39.050958, -84.568129	2/17/2022 17:35	0.002	0:22	UT to Pleasant Run Creek	Not Applicable
1690043	39.068509, -84.540460	2/17/2022 16:35	0.034	3:07	UT to Pleasant Run Creek	Bromley Crescent Springs Conveyance
		5/19/2022 21:10	0.002	0:15		
1690072	39.068269, -84.541464	2/17/2022 18:10	0.003	0:29	UT to Pleasant Run Creek	Not Applicable
1700008	39.081531, -84.548275	2/17/2022 18:10	0.012	1:34	UT to Pleasant Run Creek	Not Applicable
1700025	39.071975, -84.542274	2/17/2022 18:10	0.009	0:44	UT to Pleasant Run Creek	Not Applicable
1720058	39.084706, -84.554648	5/6/2022 5:15	0.046	0:25	UT to Pleasant Run Creek	Not Applicable
1720065	39.084547, -84.552325	5/6/2022 5:15	0.032	0:25	UT to Pleasant Run Creek	Not Applicable

1730084	39.077000, -84.557000	2/17/2022 18:05	0.009	1:55	UT to Pleasant Run Creek	Bromley Crescent Springs Improvements (2040)
1730085	39.076334, -84.557496	2/17/2022 17:05	0.041	4:01	Pleasant Run Creek	Bromley Crescent Springs Improvements (2029)
1730086	39.075237, -84.557641	2/17/2022 15:45	0.847	8:53	Pleasant Run Creek	Bromley Crescent Springs Improvements (2029)
		5/19/2022 20:55	0.051	0:55		
1730104	39.063439, -84.560897	2/17/2022 15:45	0.518	7:09	Pleasant Run Creek	Bromley Crescent Springs Improvements (2040)
1760047	39.002867, -84.566260	2/17/2022 15:46	0.167	16:4	UT to Bullock Pen Creek	Lakeview (2040)
		6/8/2022 16:30	0.118	11:35		
1760048	39.003054, -84.566090	2/17/2022 15:56	0.144	10:45	UT to Bullock Pen Creek	Lakeview (2040)
		6/8/2022 16:30	0.105	8:58		
1760055	39.004031, -84.567428	2/17/2022 17:55	0.034	4:45	UT to Bullock Pen Creek	Lakeview (2040)
		6/8/2022 18:20	0.022	3:11		

1770062	39.032338, -84.587797	2/17/2022 17:45	0.003	0:38	UT to Dry Creek	Not Applicable
1790003	39.048497, -84.590424	2/17/2022 18:26	0.002	0:38	UT to Dry Creek	Dry Creek (2040)
		5/6/2022 5:55	0.008	1:12		
		5/19/2022 21:10	0.010	1:04		
1790004	39.048770, -84.590532	5/19/2022 21:25	0.002	0:38	UT to Dry Creek	Dry Creek (2040)
1790009	39.050099, -84.593303	5/19/2022 21:30	0.002	0:24	UT to Dry Creek	Dry Creek (2040)
1790028	39.051346, -84.593112	5/6/2022 5:50	0.006	0:54	UT to Dry Creek	Not Applicable
1840081	39.045822, -84.512563	3/23/2022 14:30	0.001	0:10	UT to Banklick Creek	Not Applicable
1840110	39.048247, -84.508606	3/23/2022 14:30	0.005	0:10	UT to Banklick Creek	Not Applicable
1850140	39.035532, -84.501651	2/17/2022 18:15	0.011	0:24	Banklick Creek	Banklick EQ/Conveyance
		2/19/2022 9:27	7.095	295:42		
1850141	39.034191, -84.501171	2/17/2022 9:12	0.373	18:31	Banklick Creek	Banklick EQ/Conveyance
		2/19/2022 9:16	1.156	295:49		
		3/23/2022 14:45	0.001	0:10		
1860108	39.036049, -84.508653	2/17/2022 9:40	0.343	18:40	Banklick Creek	Banklick EQ/Conveyance

		2/22/2022 9:04	0.854	19:3		
		2/24/2022 18:15	1.215	20:55		
1870018	39.033927, -84.499529	2/17/2022 18:15	0.002	0:15	Banklick Creek	Banklick EQ/Conveyance
1890035	39.030303, -84.569237	2/17/2022 17:40	0.001	0:14	UT to Dry Creek	Not Applicable
1910241	39.040208, -84.619316	5/19/2022 21:00	0.003	0:19	UT to Dry Creek	Not Applicable
1920086	39.029000, -84.433000	2/17/2022 16:35	0.008	5:53	Duck Creek	Wolpert PS
1920097	39.028000, -84.433000	2/17/2022 16:30	0.049	5:58	Duck Creek	Wolpert PS
1920127	39.025000, -84.435000	2/17/2022 17:40	0.001	0:37	Dry Creek	Wolpert PS
1930009	39.063777, -84.480329	2/17/2022 17:26	0.003	2:14	UT to Threemile Creek	Licking River Siphon Conveyance (2040)
1930010	39.064371, -84.480276	2/17/2022 17:25	0.011	2:10	UT to Threemile Creek	Licking River Siphon Conveyance (2040)
1930012	39.065882, -84.479361	2/17/2022 17:25	0.027	1:40	UT to Threemile Creek	Licking River Siphon Conveyance (2040)
1940006	39.032334, -84.534620	2/17/2022 16:40	0.171	3:45	Moser's Branch	Lakeview (2040)
1940024	39.039696, -84.538356	2/17/2022 16:47	0.010	2:11	Moser's Branch	Lakeview (2040)
1940027	39.041449, -84.540022	2/17/2022 15:10	0.205	4:49	Moser's Branch	Lakeview (2034)

1940044	39.050617, -84.543486	2/17/2022 17:20	0.016	0:53	Moser's Branch	Lakeview (2040)
1950010	39.034633, -84.529224	2/17/2022 16:25	0.539	11:30	Banklick Creek	Lakeview (2040)
1950015	39.035583, -84.525685	2/17/2022 17:20	0.028	4:09	Banklick Creek	Lakeview (2040)
1950027	39.041148, -84.524989	2/17/2022 17:05	0.078	5:16	Banklick Creek	Lakeview (2040)
1950036	39.045160, -84.519178	2/17/2022 16:25	0.814	9:20	UT to Banklick Creek	Lakeview (2040)
		2/22/2022 12:30	0.114	3:15		
1960002	39.031643, -84.536594	2/17/2022 17:40	0.015	0:35	Horse Branch	Lakeview (2040)
1980001	39.009739, -84.534252	2/17/2022 17:58	0.004	1:55	UT to Banklick Creek	Lakeview (2040)
1990018	39.016262, -84.528748	2/17/2022 17:15	0.884	7:04	Banklick Creek	Lakeview (2040)
1990028	39.008138, -84.535242	2/17/2022 18:50	0.145	2:30	Banklick Creek	Lakeview (2034)
1990032	39.004787, -84.538125	2/17/2022 19:15	0.053	1:24	Banklick Creek	Lakeview (2034)
2020035	38.992666, -84.519138	2/17/2022 15:15	0.292	11:58	Wayman or Hands Branch	Lakeview (2040)
2020203	38.992253, -84.518312	2/17/2022 15:31	0.066	7:18	Waymans Branch	Lakeview (2040)

2020216	38.984596, -84.512688	2/17/2022 18:05	0.004	1:14	Wayman or Hands Branch	Not Applicable
2020217	38.984000, -84.512000	2/17/2022 17:55	0.003	1:01	UT to Banklick Creek	Not Applicable
2020218	38.983587, -84.510905	2/17/2022 17:55	0.004	0:43	Wayman or Hands Branch	Not Applicable
2020255	38.984753, -84.512959	2/17/2022 17:55	0.011	1:39	Waymans Branch	Not Applicable
2020860	38.991807, -84.518144	2/17/2022 15:43	0.123	6:36	Waymans Branch	Lakeview (2040)
2030031	38.995830, -84.545597	2/17/2022 18:05	0.029	2:56	Bullock Pen Creek	Not Applicable
		6/8/2022 18:40	0.028	2:34		
2030033	38.996634, -84.547138	2/17/2022 18:45	0.001	0:32	Bullock Pen Creek	Not Applicable
2030144	39.004239, -84.553084	2/17/2022 18:14	0.024	2:06	UT to Bullock Pen Creek	Not Applicable
		6/8/2022 18:20	0.038	2:23		
2100057	39.001294, -84.611764	2/17/2022 15:06	0.025	5:44	UT to Bullock Pen Creek	Lakeview (2040)
2100081	39.002279, -84.611249	2/17/2022 16:20	0.032	2:41	UT to Bullock Pen Creek	Lakeview (2040)
2100111	38.997747, -84.611918	2/17/2022 17:30	0.007	0:30	UT to Bullock Pen Creek	Lakeview (2040)
2100126	39.001555, -84.612300	2/17/2022 15:10	0.083	5:22	UT to Bullock Pen Creek	Lakeview (2040)

		5/19/2022 21:15	0.003	0:15		
		6/6/2022 16:05	0.002	0:15		
2100156	39.002210, -84.611385	2/17/2022 16:23	0.003	2:39	UT to Bullock Pen Creek	Lakeview (2040)
2110006	39.004057, -84.606363	2/17/2022 14:50	0.330	7:40	UT to Bullock Pen Creek	Lakeview (2040)
		5/19/2022 21:20	0.008	0:37		
		6/6/2022 16:15	0.041	6:14		
		6/8/2022 18:40	0.074	2:08		
2110040	39.006177, -84.607765	2/17/2022 16:40	0.044	2:26	UT to Bullock Pen Creek	Not Applicable
2120023	39.005642, -84.603616	5/19/2022 21:10	0.001	0:10	UT to Bullock Pen Creek	Lakeview (2040)
		6/6/2022 16:00	0.003	0:15		
2120041	39.007017, -84.603772	2/17/2022 17:30	0.003	0:15	UT to Bullock Pen Creek	Lakeview (2040)
		5/19/2022 21:10	0.006	0:20		
		6/6/2022 16:00	0.010	5:30		
2130027	39.050507, -84.608932	2/17/2022 16:40	0.774	3:40	Dry Creek	Dry Creek (2040)
2160004	39.028318, -84.545576	2/17/2022 17:40	0.004	0:20	UT to Horse Branch	Lakeview (2040)
2160006	39.028937, -84.546321	2/17/2022 17:55	0.002	0:10	UT to Horse Branch	Not Applicable

2170097	39.025928, -84.550366	2/17/2022 17:35	0.001	0:14	UT to Horse Branch	Lakeview (2040)
2300011	38.985000, -84.538000	2/17/2022 15:27	0.140	10:19	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)
		6/8/2022 18:35	0.094	6:31		
2300013	38.984153, -84.539668	2/17/2022 11:50	0.555	22:57	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)
		6/8/2022 18:35	0.277	8:44		
2300019	38.978000, -84.543000	2/17/2022 17:25	0.152	8:53	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)
		6/8/2022 19:50	0.080	5:59		
2300027	38.975000, -84.549000	2/17/2022 17:41	0.362	8:11	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)
		6/8/2022 20:03	0.201	5:26		
2300107	38.952319, -84.576681	2/17/2022 17:30	0.045	4:27	Banklick Creek	Western Regional (2034)
		6/8/2022 19:45	0.024	2:25		
2300121	38.943000, -84.579000	2/17/2022 17:10	0.268	5:39	Banklick Creek	Western Regional (2034)

		6/8/2022 19:35	0.169	3:34		
2300123	38.942000, -84.581000	2/17/2022 17:46	0.069	2:52	Banklick Creek	Western Regional (2034)
		6/8/2022 19:40	0.060	1:58		
2300127	38.955593, -84.575564	2/17/2022 18:15	0.008	0:49	Banklick Creek	Western Regional (2034)
		6/8/2022 19:40	0.003	0:55		
2300621	38.987376, -84.533812	2/17/2022 18:35	0.010	1:44	Banklick Creek	Lakeview (2040)
		6/8/2022 18:45	0.007	1:32		
2301219	38.980638, -84.541256	2/17/2022 16:05	1.138	12:34	Banklick Creek	W6 Improvements (2029)/Lakeview (2040)
		6/8/2022 19:15	0.339	7:12		
2350005	38.950606, -84.519640	2/17/2022 18:40	0.011	2:33	UT to Fowler Creek or Thompson Branch	Lakeview (2040)
2350008	38.949020, -84.519492	2/17/2022 18:35	0.006	2:07	UT to Fowler Creek or Thompson Branch	Lakeview (2040)
2350055	38.947760, -84.519833	2/17/2022 18:30	0.025	2:01	UT to Fowler Creek or Thompson Branch	Lakeview (2040)

2350681	38.953741, -84.519656	2/17/2022 18:51	0.002	1:47	UT to Fowler Creek or Thompson Branch	Lakeview (2040)
2370003	39.074793, -84.738540	2/17/2022 16:50	0.254	8:09	Woolper Creek	Bullitsville EQ
		3/7/2022 7:05	0.117	4:53		
2370534	39.073675, -84.737336	2/17/2022 18:05	0.055	2:29	Woolper Creek	Bullitsville EQ
2410387	39.005352, -84.689242	2/17/2022 17:10	0.064	5:32	UT to Gunpowder Creek	Western Regional (2040)
2410459	39.013408, -84.688895	2/17/2022 18:01	0.030	6:40	Gunpowder Creek	Western Regional (2034)
2470034	39.061815, -84.660858	5/19/2022 20:50	0.005	0:19	Elijahs Creek	Not Applicable