

ANNUAL CONSENT DECREE
PROGRESS REPORT
FY 2020



One Donham Plaza
Middletown, OH 45042

July 31, 2020



Middletown has prepared the following Annual Consent Decree Progress Report in accordance with Section VII, Paragraph 31 of the Consent Decree. Pursuant to Paragraph 36, the following statement certifies that the information contained within this document is true, accurate, and complete:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

City of Middletown

Signed: 

Printed Name: Scott Tadych

Title: Public Works & Utilities Director

Date: 7/31/2020

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1. INTRODUCTION AND PURPOSE

On April 12, 2018 (Effective Date), the U.S. District Court for the Southern District of Ohio entered a Consent Decree (CD) between the City of Middletown, the United States America and the State of Ohio (Ohio) to address alleged violations of the Clean Water Act (CWA).

This annual Progress Report is submitted pursuant to Section VII of the CD. Middletown has prepared this report in accordance with the requirements set forth in Paragraph 31 of the CD in order to apprise U.S. EPA and Ohio EPA of the work and activities undertaken by Middletown from the July 1, 2019 through June 30, 2020 (the “reporting period”).

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2. COMPLIANCE DEADLINES AND MILESTONES

The following table summarizes the CD milestones and requirements during the reporting period and the status of Middletown's activities to address such milestones and requirements.

Table 2-1. Consent Decree Milestones		
Consent Decree Submittal	CD Para.	Status
Planning/Design for Bulls Run to Sunset Park CSO Project	Appx C	Complete
Construction for Bulls Run to Sunset Park CSO Project	Appx C	Complete
Planning/Design for Lakeside Redirect CSO Project	Appx C	In progress
Condition Assessment for sewer pipe rehabilitation and replacement	Appx C	In Progress

3. ANNUAL PROJECT AND ACTIVITY UPDATE

3.1 Bulls Run to Sunset Park GI Project

In accordance with the Appendix C of the CD, Middletown completed planning and design of the Bulls Run to Sunset GI Project on January 31, 2019. The project involves redirecting storm water flow from the combined sewer system to a detention basin and allowing that flow to enter the combined system once hydraulic capacity is available in the system. The preliminary sizing for the detention pond is approximately 1-acre and designed to capture approximately 1 MG of storm water runoff from the Bulls Run Basin.

Construction of the Bulls Run to Sunset park project began in April of 2019. Construction of new storm sewer and detention basin were complete in October of 2019. In addition to the new storm sewer and detention basin located in Sunset Park, the final project included other improvements such as a ledgestone seat wall surrounding the basin, new playground equipment, a pedestrian bridge and concrete walking paths. These improvements were completed in June 2020.

As noted in the City's 2018 Annual Report, the start date for this project was delayed due to the time required for the court to enter the CD. The schedule outlined in Appendix C of the CD assumed an Effective Date for the CD of January 2018. Middletown began work for this project in April 2018, immediately following the Effective Date.

3.2 Lakeside Redirect Project

In accordance with Appendix C of the CD, Middletown has begun design for the Lakeside Redirect Project. The project involves redirecting storm flow from the Lakeside Basin to the Hydraulic Canal via a 10 MGD stormwater pump station. Flow in excess of 10 MGD will overflow at a new diversion structure and return to the combined sewer.

Middletown has elected to complete the project using progressive design build project delivery in order to comply with the construction completion date presented in Appendix C of the CD. The design-build team submitted the Basis of Design Report and 30% Design Package on July 17, 2020. The 60% Design is scheduled to be completed on September 8, 2020.

The design for the Lakeside Redirect project was delayed due to other ongoing projects at the City including the Bulls Run to Sunset Park project and development of the Condition Assessment Plan. Middletown is using progressive design build to shorten the total (design and construction) project duration to comply with the final construction milestone.

3.3 Condition Assessment

In accordance with Section IV of CD, Middletown is working towards the Performance Criteria outlined in Paragraph 17. Middletown has completed a Condition Assessment Plan for the sanitary and combined sewer systems. Middletown prioritized the inspection of the sanitary and combined sewer systems based on the overall risk score to include pipes that were within 30 years of their remaining useful life. The prioritization was used to develop a schedule to complete inspection of 706,813 LF of pipe by December 31, 2022.

Middletown has been conducting inspections according to the schedule outlined in the Condition Assessment Plan in addition to routine annual inspections associated with maintenance activities. Middletown completed

the inspection of 10,000 LF of sanitary sewer in calendar year 2020. Additionally, Middletown hired TeleVac to complete the inspection of 5,000 LF of combined sewer.

In addition to the 15,000 LF of inspections, the City of Middletown replaced 1,525 LF of the North Interceptor in response to a sewer collapse. The City has been rehabbing sections of the North Interceptor for several years and the two segments that comprise the 1,525 LF were among the last two to be completed. The North Interceptor conveys the majority of the flow from the City of Middletown to the Wastewater Reclamation Facility.

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4. SYSTEM PERFORMANCE DURING 2020

4.1 NPDES Permit Violations

During the reporting period, from July 1, 2019 to June 30, 2020, there were four NPDES permit violations:

- 1) TSS weekly loading for reporting week of 5/15/20: permit limit 4434 Kg/day and the exceedance was calculated at 4867 Kg/day
- 2) SSOs on 5/19/20, due to large rain event
- 3) E-coli exceedance for the second & third reporting week of June.
- 4) Monthly exceedance of E-coli for June.

4.2 CSOs and Dry Weather Overflows

During the reporting period, from July 1, 2019 to June 30, 2020, SSOs occurred at five manholes due to the North Interceptor sewer collapse and large wet weather event on May 19, 2020. As noted in Section 3.3, the section of the North Interceptor that failed has been replaced.

There were no known Discharges from Outfall 002 nor Unpermitted Discharges.

Known combined sewer overflow (CSO) events that occurred during the reporting period are summarized in Table 4-1. During the monitoring period, Middletown replaced CSO monitoring equipment and updated the remote monitoring to a cellular network. Due to the change in equipment and monitoring software, there is some irregularity in the reporting.

Table 4-1. Summary of all CSOs

Date		Lafayette	15 th Ave	14 th Ave	Verity PKWY	9th Ave	2 nd Ave	Bulls Run	Lakeside
7/3/2019	Duration (HH:MM)					1:50	0:36		
	Volume (MG)					0.365	0.072		
7/4/2019	Duration (HH:MM)					1:00			
	Volume (MG)					0.204			
7/15/2019	Duration (HH:MM)			0:09			0:09		

Table 4-1. Summary of all CSOs

Date		Lafayette	15 th Ave	14 th Ave	Verity PKWY	9th Ave	2 nd Ave	Bulls Run	Lakeside
	Volume (MG)			0.005			0.001		
7/16/2019	Duration (HH:MM)			0.04		0.06	0.03		
	Volume (MG)			0.584		0.662	0.037		
7/17/2019	Duration (HH:MM)			0:42		1:15	0:33		
	Volume (MG)			0.082		0.263	0.013		
7/18/2019	Duration (HH:MM)			0:34		1:08	0:26		
	Volume (MG)			0.122		0.274	0.016		
7/21/2019	Duration (HH:MM)			1:03		2:31	1:07		
	Volume (MG)			0.145		0.482	0.035		
8/13/2019	Duration (HH:MM)	4:15	4:15	4:15		4:15	4:15	4:15	1:00
	Volume (MG)	0.108	0.070	1.071		1.652	0.123	0.108	0.127
8/26/2019	Duration (HH:MM)	3:01	1:21	1:21		3:01	1:24	3:01	
	Volume (MG)	0.077	0.022	0.279		0.777	0.043	0.077	
8/27/2019	Duration (HH:MM)	0:39	0:14	0:14		0:39		0:39	
	Volume (MG)	0.017	0.004	0.013		0.068		0.017	
8/31/2019	Duration (HH:MM)	1:07	0:35	0:35		1:07	0:29	1:07	
	Volume (MG)	0.028	0.010	0.112		0.205	0.013	0.028	
9/1/2019	Duration (HH:MM)	1:32	0:40	0:40		1:32	0:45	1:32	0:08

Table 4-1. Summary of all CSOs

Date		Lafayette	15 th Ave	14 th Ave	Verity PKWY	9th Ave	2 nd Ave	Bulls Run	Lakeside
	Volume (MG)	0.039	0.011	0.197		0.538	0.178	0.227	0.001
9/2/2019	Duration (HH:MM)	0:10	0:55	0:55		1:33	0:40	1:33	
	Volume (MG)	0.001	0.015	0.553		0.667	0.069	0.229	
10/11/2019	Duration (HH:MM)					10:00			
	Volume (MG)					0.414			
10/26/2019	Duration (HH:MM)		1:35	1:05	0.035	12:35			
	Volume (MG)		0.027	0.005	0.604	0.890			
10/31/2019	Duration (HH:MM)	4*	0.083	0.063	0.059	0.163	4*	4*	
	Volume (MG)	0.102*	0.023	0.002	0.084	0.757	0.11*	0.592*	
11/7/2019	Duration (MIN)	40				55			
	Volume (MG)	0.001				0.014			
11/11/2019	Duration (HH:MM)							75	
	Volume (MG)							0.00005	
11/12/2019	Duration (HH:MM)							30	
	Volume (MG)							0.000006	
11/21/2019	Duration (MIN)							120	
	Volume (MG)							0.00003	
11/22/2019	Duration (HH:MM)							320	

Table 4-1. Summary of all CSOs

Date		Lafayette	15 th Ave	14 th Ave	Verity PKWY	9th Ave	2 nd Ave	Bulls Run	Lakeside
	Volume (MG)							0.00007	
11/23/2019	Duration (MIN)	145				50		655	
	Volume (MG)	0.003				0.062		0.00038	
11/26/2019	Duration (MIN)							110	
	Volume (MG)							0.00004	
11/27/2019	Duration (MIN)	1195	60	35	30	275	150	675	
	Volume (MG)	0.254	0.026	0.024	0.603	0.729	0.050	0.003	
11/28/2019	Duration (MIN)	500							
	Volume (MG)	0.008							
11/29/2019	Duration (MIN)	185							
	Volume (MG)	0.003							
11/30/2019	Duration (MIN)	1015		5		275	705	1145	
	Volume (MG)	0.240		0.410		0.332	0.003	0.003	
12/1/2019	Duration (MIN)	820					390	705	
	Volume (MG)	0.015					0.002	0.001	
12/2/2019	Duration (MIN)	495						90	
	Volume (MG)	0.008						0.000	
12/3/2019	Duration (MIN)	540						15	

Table 4-1. Summary of all CSOs

Date		Lafayette	15 th Ave	14 th Ave	Verity PKWY	9th Ave	2 nd Ave	Bulls Run	Lakeside
	Volume (MG)	0.018						0.000	
12/4/2019	Duration (MIN)	515						15	
	Volume (MG)	0.017						0.000	
12/8/2019	Duration (MIN)						30	15	
	Volume (MG)						0.0000198	0.0000031	
12/9/2019	Duration (MIN)	910				135	660	360	
	Volume (MG)	1.108				0.152	0.004	0.001	
12/10/2019	Duration (MIN)	1290						150	
	Volume (MG)	0.080						0.0000323	
12/11/2019	Duration (MIN)	1440							
	Volume (MG)	0.098							
12/12/2019	Duration (MIN)	850							
	Volume (MG)	0.054							
12/13/2019	Duration (MIN)	40						60	
	Volume (MG)	0.001						0.0000125	
12/14/2019	Duration (MIN)					80		360	
	Volume (MG)					0.080		0.00033	
12/16/2019	Duration (MIN)	210	65			200	120	400	

Table 4-1. Summary of all CSOs

Date		Lafayette	15 th Ave	14 th Ave	Verity PKWY	9th Ave	2 nd Ave	Bulls Run	Lakeside
	Volume (MG)	0.0611	0.0040			0.4860	0.0020	0.0051	
12/17/2019	Duration (MIN)							185	
	Volume (MG)							0.0004	
12/29/2019	Duration (MIN)	360	165	60	50	475	210	865	
	Volume (MG)	0.647	0.053	0.015	0.908	1.406	0.133	0.007	
12/30/2019	Duration (MIN)						1250	1335	
	Volume (MG)						2.229	0.002	
12/31/2019	Duration (MIN)						1435	1430	
	Volume (MG)						4.302	0.099	
1/1/2020	Duration (HH:MM)	23:52						19:25	
	Volume (MG)	0.607						0.004	
1/2/2020	Duration (HH:MM)	24H				1:00	24H	9:35	
	Volume (MG)	0.610				0.068	0.780	0.001	
1/3/2020	Duration (HH:MM)	24H				8:50	24H	4:10	
	Volume (MG)	0.610				0.545	0.389	0.00019	
1/4/2020	Duration (HH:MM)	21:50						1:30	
	Volume (MG)	0.555						0.00014	
1/10/2020	Duration (HH:MM)	19:20	0:55			8:55		19:20	

Table 4-1. Summary of all CSOs

Date		Lafayette	15 th Ave	14 th Ave	Verity PKWY	9th Ave	2 nd Ave	Bulls Run	Lakeside
	Volume (MG)	0.491	0.020			0.950		0.177	
1/11/2020	Duration (HH:MM)	24H	2:50			4:55		24H	
	Volume (MG)	0.610	0.071			2.421		0.496	
1/12/2020	Duration (HH:MM)	0:36				0:35		10:10	
	Volume (MG)	0.015				0.183		0.027	
1/13/2020	Duration (HH:MM)							0:30	
	Volume (MG)							0.0014	
1/14/2020	Duration (HH:MM)							1:00	
	Volume (MG)							0.00040	
1/18/2020	Duration (HH:MM)	19:20	2:10	1:20	1:55	7:40		15:50	
	Volume (MG)	0.491	0.053	0.030	2.309	1.479		0.345	
1/19/2020	Duration (HH:MM)	24H						6:10	
	Volume (MG)	0.610						0.193	
1/20/2020	Duration (HH:MM)	12:10						1:00	
	Volume (MG)	0.309						0.001	
1/24/2020	Duration (HH:MM)	15:30				4:35		15:30	
	Volume (MG)	0.394				0.328		0.044	
2/4/2020	Duration (HH:MM)				4:55	4:55		15:00	

Table 4-1. Summary of all CSOs

Date		Lafayette	15 th Ave	14 th Ave	Verity PKWY	9th Ave	2 nd Ave	Bulls Run	Lakeside
	Volume (MG)				0.250	0.253		2.220	
2/5/2020	Duration (HH:MM)	0:50	0:40	0:05	1:45	1:45	1:05	5:30	
	Volume (MG)	0.021	0.010	0.001	0.125	0.318	0.262	0.814	
2/9/2020	Duration (HH:MM)					0:55		5:00	
	Volume (MG)					0.041		0.740	
2/10/2020	Duration (HH:MM)					0:10		7:30	
	Volume (MG)					0.003		1.109	
2/11/2020	Duration (HH:MM)	6:25							
	Volume (MG)	0.163							
2/12/2020	Duration (HH:MM)	18:30	2:40	0:35	7:20	7:20	3:20	15:30	
	Volume (MG)	0.470	0.188	0.015	0.516	3.708	0.906	2.293	
2/13/2020	Duration (HH:MM)	16:35				0:20		24H	
	Volume (MG)	0.420				0.032		3.55	
2/14/2020	Duration (HH:MM)						0:50	24H	
	Volume (MG)						0.032	3.55	
2/15/2020	Duration (HH:MM)							21:00	
	Volume (MG)							3.106	
2/16/2020	Duration (HH:MM)							24H	

Table 4-1. Summary of all CSOs

Date		Lafayette	15 th Ave	14 th Ave	Verity PKWY	9th Ave	2 nd Ave	Bulls Run	Lakeside
	Volume (MG)							3.55	
2/17/2020	Duration (HH:MM)							13:30	
	Volume (MG)							2.00	
2/24/2020	Duration (HH:MM)				3:20	3:20	1:05	6:30	
	Volume (MG)				0.219	0.462	0.154	0.961	
2/25/2020	Duration (HH:MM)				1:05	1:05		4:45	
	Volume (MG)					0.049		0.703	
2/26/2020	Duration (HH:MM)				1:55	1:55		5:00	
	Volume (MG)				0.010	0.092		0.740	
3/2/2020	Duration (HH:MM)				230	10	25	230	
	Volume (MG)				0.100	0.011	0.093	0.115	
3/3/2020	Duration (MIN)	845	70	65	845	200	70	275	
	Volume (MG)	2.539	0.380	1.043	3.750	0.992	0.365	0.137	
3/4/2020	Duration (MIN)	1440			1440				
	Volume (MG)	3.401			0.100				
3/5/2020	Duration (MIN)	205		5		5			
	Volume (MG)	0.048		0.181		0.018			
3/10/2020	Duration (MIN)	255	115	45	560	290	155	560	

Table 4-1. Summary of all CSOs

Date		Lafayette	15 th Ave	14 th Ave	Verity PKWY	9th Ave	2 nd Ave	Bulls Run	Lakeside
	Volume (MG)	0.122	0.027	0.004	3.00	0.974	0.727	3.426	
3/14/2020	Duration (MIN)				145	145		10	
	Volume (MG)					0.097		0.018	
3/18/2020	Duration (MIN)	315	265	170	880	630	275	880	
	Volume (MG)	0.338	0.165	0.074	2.667	2.391	1.335	4.339	
3/19/2020	Duration (MIN)	485	630	130	1005	635	275	1005	
	Volume (MG)	0.411	0.347	1.760	2.667	9.188	1.657	4.955	
3/20/2020	Duration (MIN)	1440	1440	1425	1440	1440	355	1430	
	Volume (MG)	1.220	0.792	2.860	2.667	8.680	2.306	7.051	
3/21/2020	Duration (MIN)	1440	760	225	1440	1335		1285	
	Volume (MG)	1.220	0.418	0.767	2.667	6.582		6.336	
3/22/2020	Duration (MIN)	1440	600		1440			880	
	Volume (MG)	1.220	0.532		2.667			2.540	
3/23/2020	Duration (MIN)	895	70		895			215	
	Volume (MG)	2.879	0.011		2.667			0.119	
3/27/2020	Duration (MIN)	150	25		1175	250	35	1175	
	Volume (MG)	0.017	0.001		0.850	0.389	0.019	2.546	
3/28/2020	Duration (MIN)		50	30	1425	95	95	1425	

Table 4-1. Summary of all CSOs

Date		Lafayette	15 th Ave	14 th Ave	Verity PKWY	9th Ave	2 nd Ave	Bulls Run	Lakeside
	Volume (MG)		0.343	0.067	0.850	0.671	0.526	6.810	
3/29/2020	Duration (MIN)	1395	1440	15	1440	115	40	960	
	Volume (MG)	1.182	0.792	0.008	0.850	0.928	0.215	4.730	
3/30/2020	Duration (MIN)	1440	1440		1440			950	
	Volume (MG)	1.220	0.792		0.850			4.684	
3/31/2020	Duration (MIN)		1375		1375				
	Volume (MG)		0.756		0.850				
4/1/2020	Duration (HH:MM)	15:30	4:50						
	Volume (MG)	4.184	0.380						
4/5/2020	Duration (HH:MM)		0:05			0:20		1:36	
	Volume (MG)		0.000102			0.007		0.076	
4/8/2020	Duration (HH:MM)	1:00	0:55	0:45		1:25		1:12	
	Volume (MG)	0.392	0.220	0.205		0.987		2.384	
4/9/2020	Duration (HH:MM)	13:15				1:05	1:30	1:36	
	Volume (MG)	0.258				0.200	0.549	0.474	
4/12/2020	Duration (HH:MM)	2:00	1:05	0:25		2:20	1:15	3:40	
	Volume (MG)	0.095	0.012	0.006		0.516	0.283	1.381	
4/13/2020	Duration (HH:MM)	2:00	0:45	0:15		3:05	3:25	6:13	

Table 4-1. Summary of all CSOs

Date		Lafayette	15 th Ave	14 th Ave	Verity PKWY	9th Ave	2 nd Ave	Bulls Run	Lakeside
	Volume (MG)	0.083	0.006	0.002		0.564	0.632	1.768	
4/17/2020	Duration (HH:MM)					1:00		0:15	
	Volume (MG)					0.021		0.000148	
4/23/2020	Duration (HH:MM)					1:05	0:45	1:00	
	Volume (MG)					0.069	0.050	0.008	
4/30/2020	Duration (HH:MM)	0:15				1:00	1:05	0:45	
	Volume (MG)	0.002				0.075	0.052	0.005	
5/3/2020	Duration (MIN)	165	135	70	145	240	180	315	
	Volume (MG)	0.133	0.176	0.025	0.341	0.787	0.616	1.152	
5/8/2020	Duration (MIN)					100	175	120	
	Volume (MG)					0.099	0.163	0.038	
5/10/2020	Duration (MIN)						40		
	Volume (MG)						0.064		
5/14/2020	Duration (MIN)				20	55	85	25	
	Volume (MG)				0.003	0.085	0.137	0.002	
5/18/2020	Duration (MIN)	420	365	355	285	655	275	610	
	Volume (MG)	0.978	0.411	1.078	2.293	5.002	1.505	3.008	
5/19/2020	Duration (MIN)	935	990	1085	1260	1440	1060	1430	

Table 4-1. Summary of all CSOs

Date		Lafayette	15 th Ave	14 th Ave	Verity PKWY	9th Ave	2 nd Ave	Bulls Run	Lakeside
	Volume (MG)	0.792	0.545	2.140	16.000	8.620	1.320	7	
5/20/2020	Duration (MIN)				1440	1440	1440	1440	
	Volume (MG)				3.750	8.680	1.320	7.100	
5/21/2020	Duration (MIN)				920	880	1420	1420	
	Volume (MG)				0.001	8.559	1.320	7	
5/22/2020	Duration (MIN)							7	
	Volume (MG)							1440	
5/23/2020	Duration (MIN)	80	75	50	70	125	60	1440	
	Volume (MG)	0.993	0.194	0.562	0.561	0.883	0.550	7.100	
5/25/2020	Duration (MIN)	610	75	10	25	85	90	180	
	Volume (MG)	0.342	0.082	0.0003	0.004	0.152	0.083	0.888	
5/26/2020	Duration (MIN)	110							
	Volume (MG)	0.036							
5/28/2020	Duration (MIN)	35	75	25	75	100	420*	420	
	Volume (MG)	0.020	0.025	0.005	0.216	0.312	0.385	2.071	
5/29/2020	Duration (MIN)	40	50	35	95	155	660*	660	
	Volume (MG)	0.025	0.031	0.020	0.217	0.391	0.605	3.254	
5/30/2020	Duration (MIN)						30		

Table 4-1. Summary of all CSOs

Date		Lafayette	15 th Ave	14 th Ave	Verity PKWY	9th Ave	2 nd Ave	Bulls Run	Lakeside
	Volume (MG)						0.028		
6/1/2020	Duration (MIN)	180						180	
	Volume (MG)	0.076						0.010	
6/3/2020	Duration (MIN)	245	240	185	30	235	15	245	
	Volume (MG)	0.104	1.709	4.755	1.453	1.601	0.092	2.119	
6/4/2020	Duration (MIN)	205				30	170	205	
	Volume (MG)	0.087				0.010	0.798	0.185	
6/9/2020	Duration (MIN)	75				40		75	
	Volume (MG)	0.032				0.046		0.098	
6/10/2020	Duration (MIN)	210	50	50		95	55	210	
	Volume (MG)	0.089	0.092	0.110		0.572	0.257	2.721	
6/11/2020	Duration (MIN)	120						120	
	Volume (MG)	0.051						0.001	
6/21/2020	Duration (MIN)	180	80	40		125	55	180	
	Volume (MG)	0.076	0.096	0.194		0.600	0.285	3.366	
6/22/2020	Duration (MIN)	1115	15			30	35	1115	
	Volume (MG)	0.472	0.000			0.029	0.124	0.010	
6/23/2020	Duration (MIN)	975	100	45		150	50	975	

Table 4-1. Summary of all CSOs

Date		Lafayette	15 th Ave	14 th Ave	Verity PKWY	9th Ave	2 nd Ave	Bulls Run	Lakeside
	Volume (MG)	0.413	0.117	0.131		0.608	0.299	3.011	
6/24/2020	Duration (MIN)	490						490	
	Volume (MG)	0.208						0.003	
6/27/2020	Duration (MIN)	95				20	30	95	
	Volume (MG)	0.040				0.011	0.131	0.606	
6/28/2020	Duration (MIN)	370						370	
	Volume (MG)	0.157						0.002	
6/30/2020	Duration (MIN)	630	50	55		120	25	630	
	Volume (MG)	0.267	0.079	0.053		0.733	0.132	6.845	

4.3 Unauthorized Releases

During the reporting period, from July 1, 2019 to June 30, 2020, there were no known Unauthorized Releases.

5. PLANNED ACTIVITIES FOR 2020-2021

Middletown will be continuing the overall program outlined in the CD in FY 2021. The following subsections provide specifics on this work.

5.1 Lakeside Redirect Project

As described in Section 3.2, design for the Lakeside Redirect Project is underway. The project will be completed using progressive design build project delivery. Final design is anticipated to be completed in October 2020 and construction activities will begin immediately following.

5.2 Condition Assessment

In accordance with Section IV of CD, Middletown is working towards the Performance Criteria outlined in Paragraph 17 and has completed a Condition Assessment Plan. Middletown will continue to conduct pipe inspections as described in the Condition Assessment Plan.