



CITY OF ELYRIA

WASTEWATER POLLUTION CONTROL
1194 GULF ROAD
ELYRIA, OHIO 44035
(440)366-2211

March 17, 2022

Attn: Brianne Workman
Ohio EPA-Northeast District Office
2110 East Aurora Road
Twinsburg, OH 44087-1969

Re: Sanitary Sewer Overflow Annual Report

Ms. Workman,

As a reporting requirement of our NPDES permit, enclosed, in duplicate, is the Sanitary Sewer Overflow Annual Report for the period covering January 1, 2021 to December 31, 2021.

Please do not hesitate to contact me at (440) 366-2211, extension 5120 if you have any questions or comments.

Sincerely,
THE CITY OF ELYRIA, OHIO

Erin Stefek
Operations Superintendent/Collection System
City of Elyria
Wastewater Pollution Control
WC2-1122433-13
estefek@cityofelyria.org

Cc: Kevin Brubaker, Safety Service Director
Kathy McKillips, City Engineer
John Schneider, Assistant City Engineer
Terry Korzan, Superintendent, WWPC
Jill Lis, Lorain County Public Health
Amanda Deery, City Law Director
Wendlene M. Lavey, McMahon, DeGulis, LLP
File

CONNECT WITH US



**CITY OF ELYRIA
SANITARY SEWER OVERFLOW
ANNUAL REPORT**

DATE: March 17, 2022

FACILITY NAME: City of Elyria - Wastewater Pollution Control Plant

OHIO NPDES PERMIT #: 3PD00034*MD

PERIOD COVERED BY REPORT: January 1, 2021 - December 31, 2021

CONTACT PERSON

NAME: Erin Stefek

TITLE: Operations Superintendent/Collection System

MAILING ADDRESS: City of Elyria – Wastewater Pollution Control
1194 Gulf Road
Elyria, Ohio 44035

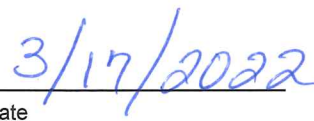
TELEPHONE: 440-366-2211 ext. 5120

EMAIL: estefek@cityofelyria.org

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION IN THIS REPORT AND ALL ATTACHMENTS. BASED ON MY INQUIRY OF THOSE PERSONS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION CONTAINED IN THE REPORT, I BELIEVE THAT THE INFORMATION IS TRUE, ACCURATE, AND COMPLETE.



Signature



Date

Operations Superintendent/Collection System
Title

CITY OF ELYRIA SANITARY SEWER OVERFLOW ANNUAL REPORT

This report is being submitted by the City of Elyria Wastewater Pollution Control (WWPC) Department to fulfill the requirements outlined in the City of Elyria WWPC NPDES permit 3PD00034*MD. The period covered by this report includes January 1, 2021 through December 31, 2021. This report presents required information for those overflows that are not listed in our NPDES permit without waiving the City's defenses and positions regarding the classification of overflows as separate versus combined.

The City of Elyria is responsible for inspecting 30 unlisted overflow locations when the plant reaches a total flow rate of 30 MGD during a wet weather/rain event. The purpose of these inspections is to note whether or not these overflow locations are overflowing to the Black River. *The overflow locations are identified in Table 1.* Note that EPA has reclassified overflows 100, 101, 114, 132, 189 and 190 as CSOs in the reissued NPDES permit that became effective in June 1, 2021.

The WWPC Department performs a variety of tasks to help minimize activation of unlisted overflows. These responsibilities include:

- 1) Maintaining a grease trap inspection program to verify that restaurants, industries, church halls and other social clubs/organizations are maintaining their grease traps and interceptors with a frequency that will prevent grease from entering the sanitary sewer system. Restaurant owners and personnel are educated, as needed, on the importance of preventing grease from entering the sewer and on the maintenance of their grease traps. Any facility that is found to have grease in the effluent of the grease trap or interceptor is issued a Notice of Violation and fined a minimum of \$100.00. Chronic violations result in escalated enforcement by the City of Elyria Water Pollution Control Board.
- 2) Increased cleaning frequencies of the sanitary sewer collection system in the Midway Mall and Chestnut Commons areas. There are numerous restaurants concentrated in this area that discharge to a particular main in the sanitary sewer collection system. The increased cleaning by the City's sewer collection system crew helps to prevent problems and maximizes the capacity of the collection system.
- 3) Frequent cleaning of all siphons in the sanitary sewer collection system by the City's sewer collection system crew. This cleaning ensures that the siphons are flowing efficiently, preventing backups of sewage in these areas.
- 4) Cleaning and televising the sanitary and combined sewers by the City's sewer collection system crews. The combined sewers on the City's South side are cleaned on a more frequent basis due to the accumulation of grit in these sewers. Keeping both the sanitary and combined sewers clean decreases the probability of plugs in these sewers and maximizes the capacity of the sewers, preventing sewage backups and overflows.

- 5) Cleaning and televising the storm sewers by the City's sewer collection system crews while cleaning the sanitary sewers. Keeping the storm sewers open and in good repair reduces the ponding of water on the ground which, in turn, reduces infiltration into the sanitary sewers.
- 6) Following a rotational schedule for cleaning the gratings of catch basins throughout the year by the City's sewer collection system crew. All catch basin tops are cleaned several times in a typical year. The storm pipes from the catch basins are cleaned while cleaning the sanitary and storm sewers in the area.
- 7) Mailing out the Water Environment Federation (WEF) grease disposal brochures in residential areas whenever collection system maintenance crews find high levels of grease in the sanitary and combined sewers.
- 8) Mailing the Water Environment Federation (WEF) brochure titled, "It's a Toilet, Not a Trashcan" to neighborhoods where wipes and other non-flushable items create issues with the sewers or pump stations.
- 9) Frequently providing pollution prevention information to the community via the City web site (www.cityofelyria.org), by handing out a variety of pamphlets during the Elyria Apple Festival, through Lorain County Solid Waste District functions, through local radio station advertisements, and flyers are included with utility bills. Information is also included in the annual consumer confidence report sent to all residents by the city's water pumping plant. This information deals with litter control, the proper disposal of grass clippings and leaves, reasons for not dumping or placing anything into catch basins, and reasons for not disposing of household wastes (cleaners, solvents, paints, oil, baby wipes, cooking grease, diapers, etc.) in sinks and toilets. Many times residents will call the plant directly to ask questions about proper disposal of these items.

The City of Elyria continues to maintain the current street sweeping program, placing extra emphasis on the combined sewer areas, in order to minimize the amounts of road grit and solids entering the combination and storm sewers during rain events.

In 2021, there were 22 rain events that caused the WWPC Plant to reach a flow rate of at least 30 MGD. During these 22 rain events, 702 unlisted overflow locations were inspected. Wet-weather overflows were observed for 117 inspections (17%). The average maximum WWPC flow rate for these events was 43.14 MGD, and the average duration of elevated WWPC flow for these events was 6 hours. 14 of the 22 rain events resulted in no overflows. There were no dry weather overflows observed in 2021.

See Table 2 for additional overflow event information.

2021 Water in The Basement Narrative

When water in the basement (WIB) calls are received, the appropriate WWPC personnel are dispatched to evaluate the cause of the problem. If the cause of the problem is in the City's main sewer, a crew is immediately dispatched to jet-clean the line and remove the blockage and restore the proper function of the sewer system. In some cases, the problem may be due to overloading of the sanitary sewer during storms of very high intensity, or a combination of intensity and long duration. In 2021, of the 286 WIB calls received, two were caused by problems in the City sewer mains. There were 70 sewers that were overloaded due to very high intensity rain events.

In 2021, the overwhelming majority of WIB calls received (214 of 286, or 75%) were the homeowner's responsibility. In almost all cases, the cause of the sewage backup was roots or debris in the homeowner's private lateral pipes and footer tiles. There are several older neighborhoods in the City where the majority of the homeowners have large maple and oak trees in the front yards which lead to roots in the homeowner's private lateral pipes and footer tiles. Given the randomness of the other call dates and locations, no other patterns were observed.

Of the WIB calls received 70 of 286 (24%) resulted from overloaded sewers. The cause of the overloaded sewers was due to extremely high intensity rain events.

The intensity of the rain event on August 13, 2021 resulted in 0.59 inches of rain on the North side of Elyria and 3.0 inches of rain in less than two hours on the South side of Elyria.

The intensity of the rain event on August 25, 2021 resulted in 2.30 inches of rain over a short period of time on the North side of Elyria.

The intensity of the rain event on September 22, 2021 resulted in 3.14 inches of rain.

Of the WIB calls received 2 of 286 (1%) resulted from a problem within the city's sewer system.

The WIB call at 120 Riverside Court was caused by the apartment building tenants flushing grease, wipes, and rags that entered the city sewer which does not receive much flow. Upon arrival, the crew jetted the line and removed the blockage and observed grease, rags, and wipes in the line. The CCTV crew confirmed their findings while televising the sanitary line, and also observed these items in the apartment complex cleanout. The landlord was verbally notified of our findings and was going to advise his tenants to not flush these items down their drains. This sanitary line is now on our 6 month maintenance schedule to help prevent this from reoccurring.

The WIB call at 169 Alexander Drive was caused by a high intensity rain event and lift station failure. Upon arrival, the lift station crew discovered a crack in the bubbler line

which was only three months old. They repaired the line and manned the lift station all night to make sure there weren't any other issues. The next day they installed a back-up controller to avoid further issues related with the bubbler system.

See Table 3 for a summary of all publicly owned water in the basement (WIB) occurrences received from residents in 2021.

SSO Annual Report Table 1: SSO Identification

n = 30

ID # ^A	Location	Description	Receiving Water ^B	Sewershed ^D	Eliminated ^C
301	100	Gulf Rd. @ Dilworth St. (center)	SS to Black River	St. Jude	CSO**
302	101	Glenwood St. (close to Washington Ave.)	SS to Black River	St. Jude	CSO**
303	114	West Bridge St. (west side of Bridge near Basil's)	Black River	Downtown	CSO**
304	132	Lake Ave. @ Chestnut St. (at beauty shop)	SS to Black River	Downtown	CSO**
305	147	West Ave. n/o Oberlin Rd.	SS to Black River	South Side	
*306	165	East Ave. @ George St.	SS to Black River	South Side	4/1/2018
307	189	Lincoln St. @ Blaine St.	SS to Black River	The Heights	CSO**
308	190	East River St. (1 st MH south of Smith Ct.)	SS to Black River	St. Jude	CSO**
309	193	East River St. @ Riverdale Ct.	SS to Black River	The Heights	
310	194	East River St. @ Columbia Ave.	SS to Black River	The Heights	
311	199	Sherman St. @ Columbia Ave.	SS to Black River	The Heights	
312	202	Park Ave. @ Kenyon Ave.	SS to Black River	The Heights	
313	203	Park Ave. @ Oxford Ave.	SS to Black River	The Heights	
314	204	Park Ave. @ Cambridge Ave.	SS to Black River	The Heights	
315	205	Park Ave. @ Princeton Ave.	SS to Black River	The Heights	
316	206	Park Ave. @ Eastern Hts. Blvd.	SS to Black River	The Heights	
317	207	Park Ave. @ Harvard Ave.	SS to Black River	The Heights	
318	208	Park Ave. @ Cornell Ave.	SS to Black River	The Heights	
319	209	Park Ave. @ Denison Ave.	SS to Black River	The Heights	
320	211	Park Ave. @ Columbia Ave.	SS to Black River	The Heights	
321	213	328 Columbia Ave.	SS to Black River	The Heights	
322	214	Garford Ave. @ Columbia Ave.	SS to Black River	The Heights	
323	217	Denison Ave. b/tween Park & Garford Ave.	SS to Black River	The Heights	
324	219	Fairlawn Ave. @ Harvard Ave.	SS to Black River	The Heights	
325	220	Fairlawn Ave. @ Cornell Ave.	SS to Black River	The Heights	
326	221	Clark St. @ Winkles St.	SS to Black River	The Heights	
328	238	840 Livermore Ln. w/o Georgetown Ave.	SS to Black River	North Side	
329	239	830 Salem Ave. n/o Fairwood Blvd.	SS to Black River	North Side	
330	240	Gulf Rd. @ Lafayette St. (center)	SS to Black River	St. Jude	
*331	250	West River Rd. @ Third St.	SS to Black River	Southwest Side	04/30/12
*332	251	Alley btwn Third St. & Turner St. (536 Turner)	Black River	Southwest Side	04/30/12
*333	252	552 Turner St. @ Siphon Head Chamber	Black River	Southwest Side	04/30/12
336	263	13 th St. @ Banks St.	SS to Black River	South Side	
335	281	122 Winkles St. (n/o Penn Central RR)	SS to Black River	East Side	
*337	309	Pinewood Drive Lift Station	SS to Black River	East Side	05/04/12
338	310	Hemlock Dr. @ Gulf Rd. Lift Station	SS to Black River	North Side	
339	312	Gulf Rd. Lift Station n/o Crestview Dr.	Black River	North Side	
*340	313	Locust St. Lift Station	Black River	Downtown	Verified 1/2013
327	121A	Bond St. @ Jefferson Alley	SS to Black River	West Side	
334	260A	Dead end of 6th St. / north side of road	Black River	South Side	
341	N-2	Mendel Ct. Lift Station	SS to Black River	West Side	
*342	N-6	Overbrook Rd. Lift Station	Black River	Spring Valley	01/30/13

SSO Annual Report Table 1: SSO Identification

n = 30

ID # ^A	Location	Description	Receiving Water ^B	Sewershed ^D	Eliminated ^C
343	WSI	West Side Interceptor	Black River	West Side	

A. Assign each SSO location a unique identification by numbering them consecutively, beginning with 301.

B. Enter name of receiving water. If an SSO enters a storm sewer, enter "SS to (name of receiving water)". If an SSO does not reach a receiving water, enter "None".

*C. If an SSO has been eliminated, enter the date of elimination (MM/DD/YY).

D. A sewershed is a specific geographic area, such as a city block or a subdivision, that drains to a common outlet.

North West Northwest Southeast Downtown Spring Valley

South East Southwest The Heights Midway Mall St. Jude

Use additional pages as needed.

CSO ** Per changes in NPDES permit 3PD00034*MD issued 6/2021, these overflows are now defined as CSO's

SSO Annual Report Table 2: SSO Event Information

n = 117

Date ^A	ID # ^B	Location #	Description	Receiving Water ^C	Sewershed	Volume ^D (MG)	Overflow days/event
1/1/2021	307	189	Lincoln @ Blaine	SS to Black River	The Heights	0.00614	1
1/1/2021	319	209	Park @ Denison	SS to Black River	The Heights	0.00022	1
1/1/2021	318	208	Park @ Cornell	SS to Black River	The Heights	0.00017	1
1/1/2021	317	207	Park @ Harvard	SS to Black River	The Heights	0.00047	1
1/1/2021	316	206	Park @ Eastern Heights	SS to Black River	The Heights	0.00062	1
1/1/2021	312	202	Park @ Kenyon	SS to Black River	The Heights	0.00047	1
1/1/2021	326	221	Clark @ Winkles	SS to Black River	Central	0.00062	1
1/1/2021	330	240	Gulf @ Lafayette	SS to Black River	St. Jude's	0.06316	1
2/24/2021	330	240	Gulf @ Lafayette	SS to Black River	St. Jude's	0.12599	2
2/24/2021	301	100	Gulf @ Dilworth	SS to Black River	St. Jude's	0.11430	2
2/24/2021	315	205	Park @ Princeton	SS to Black River	The Heights	0.00857	2
2/24/2021	314	204	Park @ Cambridge	SS to Black River	The Heights	0.00857	2
2/24/2021	312	202	Park @ Kenyon	SS to Black River	The Heights	0.00286	2
3/18/2021	315	205	Park @ Princeton	SS to Black River	The Heights	0.06551	1
3/18/2021	314	204	Park @ Cambridge	SS to Black River	The Heights	0.08878	1
3/18/2021	312	202	Park @ Kenyon	SS to Black River	The Heights	0.00399	1
4/29/2021	307	189	Lincoln @ Blaine	SS to Black River	The Heights	0.00169	1
4/29/2021	320	211	Park @ Columbia	SS to Black River	The Heights	1.12725	1
4/29/2021	318	208	Park @ Cornell	SS to Black River	The Heights	0.09587	1
4/29/2021	317	207	Park @ Harvard	SS to Black River	The Heights	0.11505	1
4/29/2021	316	206	Park @ Eastern Heights	SS to Black River	The Heights	0.10227	1
4/29/2021	315	205	Park @ Princeton	SS to Black River	The Heights	0.04972	1
4/29/2021	314	204	Park @ Cambridge	SS to Black River	The Heights	0.11505	1
4/29/2021	312	202	Park @ Kenyon	SS to Black River	The Heights	0.03390	1
4/29/2021	324	219	Fairlawn @ Harvard	SS to Black River	The Heights	0.05113	1

SSO Annual Report Table 2: SSO Event Information

n = 117

Date ^A	ID # ^B	Location #	Description	Receiving Water ^C	Sewershed	Volume ^D (MG)	Overflow days/event
4/29/2021	326	221	Clark @ Winkles	SS to Black River	Central	0.50619	1
4/29/2021	330	240	Gulf @ Lafayette	SS to Black River	St. Jude's	0.32541	1
5/9/2021	307	189	Lincoln @ Blaine	SS to Black River	The Heights	0.44917	2
5/9/2021	318	208	Park @ Cornell	SS to Black River	The Heights	0.10527	2
5/9/2021	317	207	Park @ Harvard	SS to Black River	The Heights	0.04466	2
5/9/2021	316	206	Park @ Eastern Heights	SS to Black River	The Heights	0.11229	2
5/9/2021	315	205	Park @ Princeton	SS to Black River	The Heights	0.05459	2
5/9/2021	314	204	Park @ Cambridge	SS to Black River	The Heights	0.04466	2
5/9/2021	312	202	Park @ Kenyon	SS to Black River	The Heights	0.03722	2
5/9/2021	324	219	Fairlawn @ Harvard	SS to Black River	The Heights	0.01985	2
5/9/2021	326	221	Clark @ Winkles	SS to Black River	Central	0.06948	2
5/9/2021	330	240	Gulf @ Lafayette	SS to Black River	St. Jude's	0.04466	2
5/9/2021	301	100	Gulf @ Dilworth	SS to Black River	St. Jude's	0.17546	2
5/28/2021	307	189	Lincoln @ Blaine	SS to Black River	The Heights	0.00053	1
7/16/2021	320	211	Park @ Columbia	SS to Black River	The Heights	0.04520	2
7/16/2021	318	208	Park @ Cornell	SS to Black River	The Heights	0.05649	2
7/16/2021	317	207	Park @ Harvard	SS to Black River	The Heights	0.06779	2
7/16/2021	316	206	Park @ Eastern Heights	SS to Black River	The Heights	0.06026	2
7/16/2021	315	205	Park @ Princeton	SS to Black River	The Heights	0.08286	2
7/16/2021	314	204	Park @ Cambridge	SS to Black River	The Heights	0.05649	2
7/16/2021	313	203	Park @ Oxford	SS to Black River	The Heights	0.06779	2
7/16/2021	324	219	Fairlawn @ Harvard	SS to Black River	The Heights	0.03013	2
7/16/2021	325	220	Fairlawn @ Cornell	SS to Black River	The Heights	0.03013	2
7/16/2021	326	221	Clark @ Winkles	SS to Black River	Central	0.10546	2
7/16/2021	335	281	122 Winkles - n/o RR Tracks	SS to Black River	Central	0.22598	2

SSO Annual Report Table 2: SSO Event Information

n = 117

Date ^A	ID # ^B	Location #	Description	Receiving Water ^C	Sewershed	Volume ^D (MG)	Overflow days/event
7/16/2021	330	240	Gulf Road @ Lafayette St	SS to Black River	St. Jude's	0.00471	2
8/13/2021	305	147	West Ave.-n/o Oberlin Road	SS to Black River	South Side	0.01730	2
8/13/2021	310	194	East River @ Columbia	SS to Black River	The Heights	0.22467	2
8/13/2021	309	193	East River @ Riverdale	SS to Black River	The Heights	0.49529	2
8/13/2021	311	199	Sherman @ Columbia	SS to Black River	The Heights	0.81797	2
8/13/2021	320	211	Park @ Columbia	SS to Black River	The Heights	0.00432	2
8/13/2021	317	207	Park @ Harvard	SS to Black River	The Heights	0.05189	2
8/13/2021	316	206	Park @ Eastern Heights	SS to Black River	The Heights	0.06445	2
8/13/2021	315	205	Park @ Princeton	SS to Black River	The Heights	0.81797	2
8/13/2021	314	204	Park @ Cambridge	SS to Black River	The Heights	0.49529	2
8/13/2021	312	202	Park @ Kenyon	SS to Black River	The Heights	0.17091	2
8/13/2021	326	221	Clark @ Winkles	SS to Black River	The Heights	1.26110	2
8/13/2021	335	281	122 Winkles - n/o RR Tracks	SS to Black River	Central	0.31773	2
8/13/2021	330	240	Gulf Road @ Lafayette St	SS to Black River	St. Jude's	0.03370	2
8/25/2021	329	239	830 Salem Ave.-n/o Fairwood Blvd.	SS to Black River	Northeast	0.06617	1
8/25/2021	310	194	East River @ Columbia	SS to Black River	The Heights	0.01241	1
8/25/2021	309	193	East River @ Riverdale	SS to Black River	The Heights	0.03509	1
8/25/2021	318	208	Park @ Cornell	SS to Black River	The Heights	0.00366	1
8/25/2021	317	207	Park @ Harvard	SS to Black River	The Heights	0.01241	1
8/25/2021	316	206	Park @ Eastern Heights	SS to Black River	The Heights	0.01103	1
8/25/2021	315	205	Park @ Princeton	SS to Black River	The Heights	0.00536	1
8/25/2021	314	204	Park @ Cambridge	SS to Black River	The Heights	0.00439	1
8/25/2021	312	202	Park @ Kenyon	SS to Black River	The Heights	0.01034	1
8/25/2021	324	219	Fairlawn @ Harvard	SS to Black River	The Heights	0.00551	1
8/25/2021	325	220	Fairlawn @ Cornell	SS to Black River	The Heights	0.00195	1

SSO Annual Report Table 2: SSO Event Information

n = 117

Date ^A	ID # ^B	Location #	Description	Receiving Water ^C	Sewershed	Volume ^D (MG)	Overflow days/event
8/25/2021	326	221	Clark @ Winkles	SS to Black River	Central	0.05459	1
8/25/2021	335	281	122 Winkles-n/o RR Tracks	SS to Black River	Central	0.04136	1
8/25/2021	330	240	Gulf Road @ Lafayette St	SS to Black River	St. Jude's	0.03509	1
9/22/2021	318	208	Park @ Cornell	SS to Black River	The Heights	0.01748	2
9/22/2021	317	207	Park @ Harvard	SS to Black River	The Heights	0.02098	2
9/22/2021	316	206	Park @ Eastern Heights	SS to Black River	The Heights	0.01865	2
9/22/2021	315	205	Park @ Princeton	SS to Black River	The Heights	0.02564	2
9/22/2021	314	204	Park @ Cambridge	SS to Black River	The Heights	0.02098	2
9/22/2021	312	202	Park @ Kenyon	SS to Black River	The Heights	0.04945	2
9/22/2021	326	221	Clark @ Winkles	SS to Black River	Central	0.03264	2
9/22/2021	335	281	122 Winkles - n/o RR Tracks	SS to Black River	Central	0.00412	2
9/22/2021	330	240	Gulf Road @ Lafayette St	SS to Black River	St. Jude's	0.14919	2
10/8/2021	310	194	East River @ Columbia	SS to Black River	The Heights	0.03008	1
10/8/2021	309	193	East River @ Riverdale	SS to Black River	The Heights	0.03208	1
10/8/2021	320	211	Park @ Columbia	SS to Black River	The Heights	0.00276	1
10/8/2021	317	207	Park @ Harvard	SS to Black River	The Heights	0.05526	1
10/8/2021	316	206	Park @ Eastern Heights	SS to Black River	The Heights	0.02807	1
10/8/2021	315	205	Park @ Princeton	SS to Black River	The Heights	0.02605	1
10/8/2021	312	202	Park @ Kenyon	SS to Black River	The Heights	0.02607	1
10/8/2021	326	221	Clark @ Winkles	SS to Black River	Central	0.09210	1
10/8/2021	335	281	122 Winkles-n/o RR Tracks	SS to Black River	Central	0.01504	1
10/8/2021	330	240	Gulf Road @ Lafayette St	SS to Black River	St. Jude's	0.04484	1
10/8/2021	314	204	Park @ Cambridge	SS to Black River	The Heights	0.02084	1
10/24/2021	310	194	East River @ Columbia	SS to Black River	The Heights	0.04512	2
10/24/2021	309	193	East River @ Riverdale	SS to Black River	The Heights	0.05414	2

SSO Annual Report Table 2: SSO Event Information

n = 117

Date ^A	ID # ^B	Location #	Description	Receiving Water ^C	Sewershed	Volume ^D (MG)	Overflow days/event
10/24/2021	318	208	Park @ Cornell	SS to Black River	The Heights	0.08289	2
10/24/2021	317	207	Park @ Harvard	SS to Black River	The Heights	0.09946	2
10/24/2021	316	206	Park @ Eastern Heights	SS to Black River	The Heights	0.04813	2
10/24/2021	315	205	Park @ Princeton	SS to Black River	The Heights	0.06617	2
10/24/2021	314	204	Park @ Cambridge	SS to Black River	The Heights	0.01914	2
10/24/2021	312	202	Park @ Kenyon	SS to Black River	The Heights	0.04512	2
10/24/2021	326	221	Clark @ Winckles	SS to Black River	Central	0.15472	2
10/29/2021	316	206	Park @ Eastern Heights	SS to Black River	The Heights	0.00851	1
10/29/2021	315	205	Park @ Princeton	SS to Black River	The Heights	0.01170	1
10/29/2021	314	204	Park @ Cambridge	SS to Black River	The Heights	0.00957	1
10/29/2021	312	202	Park @ Kenyon	SS to Black River	The Heights	0.00798	1
12/11/2021	319	209	Park @ Denison	SS to Black River	The Heights	0.00013	1
12/11/2021	316	206	Park @ Eastern Heights	SS to Black River	The Heights	0.00207	1
12/11/2021	315	205	Park @ Princeton	SS to Black River	The Heights	0.00437	1
12/11/2021	314	204	Park @ Cambridge	SS to Black River	The Heights	0.00201	1
12/11/2021	312	202	Park @ Kenyon	SS to Black River	The Heights	0.00276	1
12/11/2021	330	240	Gulf Road @ Lafayette St	SS to Black River	St. Jude's	0.00014	1

A. Enter date as "MM/DD/YY". Enter "Various" to summarize overflows of less than 1,000 gallons from an SSO location.

B. Enter the unique identification assigned in Table 1.

C. Enter name of receiving water. If an SSO enters a storm sewer, enter "SS to (name of receiving water)". If an SSO does not reach a receiving water, enter "None".

D. Enter estimate of volume in MG (millions of gallons). Enter estimate of total volume if summarizing data.

Use additional pages as needed.

Total Occurrences 72

Water In Basement (WIB) Occurrences - City Responsibility				
n =		2		
Date	Address	Sewershed ^A	WIB Occurrences ^B	Causes ^C
6/19/2021	120 Riverside Court	The Heights	1	G & O=Rags, wipes and grease from apartment complex
9/22/2021	169 Alexander Drive	North Side	1	W & E=Extreme Weather and Lift Station Failure
Water In Basement (WIB) Occurrences - Overloaded sanitary due to high intensity rain events				
n =		70		
Date	Address	Sewershed ^A	WIB Occurrences ^B	Causes ^C
8/13/2021	810 Riverside Drive	South Side	1	W=Extreme Weather-Overloaded sanitary

8/13/2021	6124 West River Road South	South Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	914 Howard Street	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	936 Wilder Avenue	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	342 Longfellow Avenue	St. Jude's	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	538 Stafford Avenue	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	820 Hollywood Drive	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	208 Beebe Avenue	St. Jude's	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	247 Commodore Circle	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	956 Wilder Avenue	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	605 Georgetown Avenue	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	171 Roosevelt Avenue	St. Jude's	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	821 Hollywood Drive	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	948 Fairwood Boulevard	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	247 Bellfield Avenue	St. Jude's	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	187 Canterbury Drive	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	966 Reeve Road	Spring Valley	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	410 Briar Lake Drive	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	169 Hemlock Drive	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	1032 North Pasadena Avenue	Spring Valley	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	1224 East Avenue	South Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	489 Windsor Drive	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	888 Wilder Avenue	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	373 Windward Drive	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	808 Bennett Drive	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	878 North Pasadena Avenue	Spring Valley	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	225 Crestview Drive	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	280 Hawthorne Street	St. Jude's	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	120 Devonshire Court	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	841 Salem Drive	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	471 Stafford Drive	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	761 Howard Street	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	841 Livermore Lane	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	704 Georgetown Avenue	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	880 Wilder Avenue	North Side	1	W=Extreme Weather-Overloaded sanitary

8/25/2021	148 Hemlock Drive	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	877 Livermore Lane	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	961 Valley Boulevard	Spring Valley	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	840 Livermore Lane	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	372 Briar Lake Drive	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	728 Georgetown Avenue	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	558 Georgetown Avenue	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	878 Salem Avenue	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	1057 North Pasadena Avenue	Spring Valley	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	382 White Oak Drive	St. Jude's	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	848 Wilder Avenue	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	581 Stafford Avenue	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	837 Livermore Lane	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	478 Windsor Drive	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	392 Windward Drive	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	864 Livermore Lane	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	832 Livermore Lane	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	1034 North Pasadena Avenue	Spring Valley	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	1009 Belmar Court	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	146 Dorset Court	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	992 Reeve Road	Spring Valley	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	906 Howard Street	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	283 Abbe Road North	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	836 Livermore Lane	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	148/150 Hemlock Drive	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	921 Salem Avenue	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	848 Livermore Lane	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	175 Canterbury Road	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	853 Livermore Lane	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	805 Salem Drive	North Side	1	W=Extreme Weather-Overloaded sanitary
8/25/2021	865 Wilder Avenue	North Side	1	W=Extreme Weather-Overloaded sanitary
9/22/2021	250 Marsailles Avenue	St. Jude's	1	W=Extreme Weather-Overloaded sanitary
9/22/2021	1078 North Pasadena Avenue	Spring Valley	1	W=Extreme Weather-Overloaded sanitary
9/22/2021	269 Brandtson Avenue	St. Jude's	1	W=Extreme Weather-Overloaded sanitary

9/22/2021	1045 North Pasadena Avenue	Spring Valley	1	W=Extreme Weather-Overloaded sanitary
-----------	----------------------------	---------------	---	---------------------------------------

- A. A watershed is a specific geographic area, such as a city block or a subdivision, that drains to a common outlet.
- B. Enter the total number of water in the basement occurrences reported for the sewershed.
- C. Enter all causes that apply:
- W = extreme weather

E = equipment failure

D = debris in line

V = vandalism

B = other blockages

O = other, provide details
- P = power failure

L = line deterioration

R = roots

G = grease
- Use additional pages as needed.