

City of Fitchburg  
 Department of Public Works  
 Cumulative Sanitary Sewer Overflow (SSO) Inventory  
 2013 - 2022

Year	Location	Location of Discharge	Did SSO Enter Surface Water or MS4	Date Discovered	Time Discovered	Date Stopped	Time Stopped	Estimated Volume (gal)	Description of event with known or suspected causes	Mitigation and Corrective measures
2022	164 Elm Street	Backup into property basement	No release to surface water	8/9/2022	3:35 PM	8/9/2022	2:00 PM - 3:35 PM	1222	Rain Event caused surcharge of combine sanitary sewer system	Cleaning Service cleaned up impacted area. Area to be separated with ongoing CSO separation project
	23 Columbia Avenue	Sanitary sewer manhole to ground surface	No release to surface water	8/9/2022	9:00 AM	8/9/2022	9:00 AM	20	Sewer system backup due to grease and rags	Main Line was jetted and cleared of grease and rags
	207 Summer Street	Backup into property basement	No release to surface water	7/27/2022	12:15 PM	7/27/2022	12:35 PM	80	Sewer system backup due to debris	Main Line was jetted and cleared of debris
	115 Swan Avenue	Backup into property basement	No release to surface water	7/8/2022	11:00 AM	7/8/2022	11:00 AM	15	Sewer system backup due to roots.	Main Line was jetted and cleared of roots
	370 Summer Street	Backup into property basement	No release to surface water	4/28/2022	5:00 PM	4/28/2022	6:00 PM	100	Sewer system backup due to roots.	Main Line was jetted and cleared of roots
135 Intervale Road	Sanitary sewer manhole to catch basin to receiving water	North Nashua River		3/6/2022	6:00 PM	3/7/2022	2:00 PM	60,000	Contractor work for site development, construction debris entered Sewer Manhole causing blockage	On-call contractor by-passed main, jetted main and clearer blockage.
2021	605 Franklin Road	Sanitary sewer manhole to ground surface	No release to surface water	7/22/2021	1:00 PM	7/22/2021	1:30 PM	150	Sewer system backup due to roots	Main line was jetted and cleared of roots
	Railroad Street at First Street	Sanitary sewer manhole to receiving water	North Nashua River	7/19/2021	8:30 AM	7/17/2021	6:00 PM	--	Discovered dislodge cover	Replaced dislodge cover and tightened the tabs to prevent another incident, New cover with bolt on frame was installed at location.
	569 Main Street	Backup into property basement	No release to surface water	7/19/2021	10:30 AM	7/17/2021	8:00 PM	5,000	Sewer system backup due to rain event and insufficient capacity of system	Cleaning Service cleaned up impacted area
	317 Kimbal Street	Catch basin to catch basin to receiving water	North Nashua River	6/26/2021	6:14 PM	6/26/2021	9:00 PM	5,000	Sewer system backup due to roots	Catch basin and main line was jetted and cleared of roots
	8 George Street	Backup into property basement	No release to surface water	3/1/2021	1:11 PM	3/1/2021	2:05 PM	150	Sewer system backup due to obstruction	Main line was jetted and cleared of obstruction
	147 Water Street	Sanitary sewer manhole to catch basin to receiving water	North Nashua River	2/18/2021	11:00 AM	2/11/2021	2:00 PM	4,500	Sewer system backup due to pipe collapse	Main Line was jetted and main line was CCTV, Point repair conducted to replace collapsed pipe.
	34 Ash Street	Sanitary sewer manhole to ground surface	No release to surface water	2/11/2021	8:00 AM	2/11/2021	10:30 AM	15	Sewer system backup due to roots	Manhole and main line was jetted and cleared of roots
	9 Harrison Avenue	Backup into property basement	No release to surface water	2/3/2021	2:00 PM	2/3/2021	3:00 PM	3	Sewer system backup due to roots and rags	Main Line was jetted and cleared of roots and rags
2020	43 Patton Street	Backup into property basement	No release to surface water	6/8/2020	10:00 AM	6/8/2020	10:30 AM	25	Pipe collapse/hole in pipe where the Water Department installed a fire hydrant several years ago.	Jetted line and removed blockage. Repaired pipe on 6/23/20.
	28 Phillips Ave.	Backup into property basement	No release to surface water	5/15/2020	11:00 AM	5/15/2020	12:00 PM	20	Sewer system backup due to rags and accumulated grease.	Jetted line and removed blockage. Rags were removed from the pipe.
	31 Gillis Court	Backup into property basement	No release to surface water	4/14/2020	1:15 PM	4/14/2020	2:00 PM	150	Sewer system blockage due to rags and poorly pitched sanitary sewer lateral connection.	Jetted line and removed blockage. Rags were removed from the pipe along with black grease.
	228 Plymouth Street	Sanitary sewer manhole to catch basin to receiving water	North Nashua River	3/11/2020	3:10 PM	3/11/2020	3:30 PM	30	Sewer system blockage due to rags.	Jetted line and removed blockage. Rags were removed from the pipe along with black water indicating blockage has been forming for quite some time.
	133 Bel Air Drive	Backup into property basement	No release to surface water	3/2/2020	1:00 PM	3/2/2020	2:00 PM	3	Sewer system blockage due to debris in a poorly pitched sanitary sewer lateral connection.	Jetted line three times and removed blockage, grease, and rags. Added manhole to the problem area checklist.
2019	136 Upham Street	Sanitary sewer manhole to ground surface	No release to surface water	12/12/2019	8:41 AM	12/12/2019	9:00 AM	20	Sewer system blockage due to rags hung up on debris from a paving project.	Sucked down liquid in manhole, jetted line, and cleaned entire line 1,000 feet to trunk sewer. Conducted two follow up inspections following the incident to ensure no issues.
	1164 John Fitch Highway	Sanitary sewer manhole to ground surface	Putts Pond	11/14/2019	10:00 AM	11/14/2019	10:30 AM	10,000	Sewer system blockage due to rags and roots in manhole.	Sucked down liquid in manhole, jetted line, and cleared out roots. Added heavy amount of root killer.
	168 Lunenburg Street	Sanitary sewer manhole to ground surface	No release to surface water	10/15/2019	11:00 AM	10/15/2019	11:30 AM	5	Sewer system blockage due to rags and roots in manhole.	Sucked down liquid in manhole, jetted line, and cleared out roots. Root killer will be added until the manhole is replaced next construction season.
	133 Water Street	Catch basin (MS4) to receiving water	North Nashua River	7/12/2019	1:30 PM	7/12/2019	2:15 PM	60-80	Sewer system blockage due to a brick and pieces of mortar, in addition to rocks and debris in pipe likely from a break upstream.	Jetted line and cleared blockage.
	Hasset Street at Albee Street	Catch basin (MS4) to receiving water	North Nashua River	6/24/2019	10:00 AM	6/24/2019	10:30 AM	60	Sewer system blockage due to a brick, likely from a lining project upstream a few years prior.	Jetted line and cleared blockage.
	1000 John Fitch Highway	Ground surface	No release to surface water	4/13/2019	11:10 AM	4/13/2019	12:00 PM	2,500	Sewer system blockage due to asphalt chunks from upstream manhole that appeared to have been dislodged, likely by plows during the winter.	Jetted line and cleared blockage.
	88 Miami Street	Backup into property basement	No release to surface water	4/10/2019	7:20 AM	4/10/2019	9:30 AM	5	Sewer system blockage due to piece of brick and rock with mortar attached to it and rags.	Jetted line and cleared blockage.
	33 Darlene Drive	Backup into property basement	No release to surface water	4/8/2019	9:40 AM	4/8/2019	10:00 AM	4	Sewer system blockage due to flat pitch, sags, rags, and solids.	Line was jetted and cleaned out. City then followed up with a CCTV inspection and noted flat pitch and sags.
	881 Main Street	Direct to receiving water	North Nashua River	3/18/2019	8:44 AM	3/18/2019	8:44 AM	502,320	Rain event, blockage in overflow regulator CSO-032 due to road sand and debris.	Jetted and cleared sand and debris from regulator manhole CSO-032
	Water Street at Nashua River	Direct to receiving water	North Nashua River	3/18/2019	7:00 AM	3/18/2019	7:20 AM	470,000	Rain event, blockage in overflow regulator CSO-039 due to road sand and debris.	Jetted and cleared sand and debris from regulator manhole CSO-039
	71 Rodiman Avenue	Backup into property basement	No release to surface water	3/16/2019	5:15 PM	3/16/2019	5:15 PM	1	Sewer system blockage due to flat pitch.	Line was jetted and cleaned out. City then followed up with a CCTV inspection and noted no defects in pipe, just flat pitch. Homeowner said it has been years but in the past he would back up often.
	56 Elm Street	Backup into property basement	No release to surface water	3/4/2019	12:30 PM	3/4/2019	1:00 PM	40	Sewer system blockage due to rocks, asphalt, and other debris.	Downstream manhole was cleaned of rocks and brick debris, and branch sewer was jetted that was surcharging to relieve blockage.
	12 Jerry Street	Backup into property basement	No release to surface water	2/17/2019	9:00 AM	2/17/2019	10:00 AM	315	Sewer system blockage due to grease.	Jetted line and cleared blockage, area on list of problem areas.
	491 Pearl Street	Backup into property basement	No release to surface water	1/28/2019	11:10 AM	1/28/2019	12:00 PM	5	Sewer system blockage due to grease.	Jetted line and cleared blockage.
	400 Rollstone Road	Direct to receiving water	Sand Brook	1/18/2019	10:30 AM	1/18/2019	10:30 AM	100,000	Sewer system blockage due to brick falling into system from upstream manhole chimney.	Cleaned out junction manhole, removed one brick and other debris.
715 Westminster Street	Catch basin (MS4) to receiving water	North Nashua River	1/7/2019	12:45 PM	1/7/2019	4:00 PM	25,000	Sewer system blockage caused by rags.	Jetted line and pulled out 3-foot long by 1-foot tall blockage of rags.	
2018	192 Marshall Road	Ground surface	No release to surface water	12/3/2018	10:00 AM	12/3/2018	10:15 AM	40	Sewer system blockage caused by bricks dropped into sewer by contractor who had recently paved road.	Jetted line and pulled out two bricks.
	101 Fitchburg Road, Westminster	Ground surface	No release to surface water	9/19/2018	6:30 PM	9/19/2018	7:30 PM	3,000	Pipe collapse; MassDOT put guardrail through PVC force main during road reconstruction a few years prior.	Shut off pumps at pump station, fixed pipe.
	569 Main Street	Backup into property basement	No release to surface water	6/20/2018	4:00 PM	6/18/2018	8:00 PM	1,500	Rain event, insufficient capacity in system	Checked manholes and main lines for debris, all clear.
	212 Marshall Street	Backup into property basement	No release to surface water	6/20/2018	4:00 PM	6/18/2018	8:00 PM	800	Rain event, insufficient capacity in system	Checked manholes and main lines for debris, all clear.
410 Cathy Street	Backup into property basement	No release to surface water	2/5/2018	5:00 PM	2/5/2018	5:00 PM	10	Sewer system blockage, pipe in poor condition.	Cleared blockage, added area to problem area check list.	
2017	33 Shelly Avenue	Backup into property basement	No release to surface water	10/30/2017	7:30 AM	10/30/2017	7:30 AM	10	Rain event, insufficient capacity in system. Homeowners use of flapper valve lead to water in basement.	Back-flow preventer was installed and working properly.
	1 Oak Hill Road	Backup into property basement	No release to surface water	10/30/2017	8:00 AM	10/30/2017	8:00 AM	2,000	Rain event, insufficient capacity in system	Mainline flow was good. Additional combined sewer separation upstream may help alleviate surcharging.
	8 Crescent Heights	Backup into property basement	No release to surface water	10/3/2017	12:00 PM	10/3/2017	12:00 PM	15	Sewer system blockage	Excavation was conducted, line was cleaned, jetted, inspected, and repaired.
	10 Jerry Street	Ground surface	No release to surface water	4/20/2017	2:30 PM	4/20/2017	3:30 PM	500	Sewer system blockage	Blockage was freed after debris removal, puddling sewerage was sucked up with vactor truck.
	22 Prospect Street	Catch basin (MS4) to receiving water	North Nashua River	4/12/2017	5:00 PM	4/13/2017	8:00 AM	5,000	Pipe collapse	Bypass setup morning after SSO was discovered, collapsed pipe was repaired.
	22 Davis Street	Ground surface	No release to surface water	4/11/2017	3:30 PM	4/12/2017	8:00 AM	2,000	Root intrusion	Jetting of line was unsuccessful. Line was cleared the following morning after roots were cut free.
	396 Fifth Mass Turnpike	Ground surface; Direct to receiving water	Flagg Brook	2/28/2017	11:00 AM	2/28/2017	2:30 PM	21,000	Pipe collapse	Bypass was setup and stayed in place until following morning when the repair was made to the cast iron siphon.
	59 Upham Street	Ground surface	No release to surface water	1/26/2017	10:00 AM	1/26/2017	10:30 AM	200	Sewer system blockage due to rocks, asphalt, and other debris	Line was jetted and debris was cleaned and disposed of; line was completely cleared to main trunk sewer.
	72 Jackson Avenue	Ground surface	No release to surface water	1/8/2017	2:30 AM	1/8/2017	3:30 AM	300	Sewer system blockage due to rocks, asphalt, and other debris	Line was jetted and debris was vacuumed up and disposed of properly.
	11 Hardy Passway	Ground surface	No release to surface water	1/7/2017	11:30 AM	1/7/2017	1:30 PM	500	Sewer system blockage due to rocks, asphalt, and other debris	Line was jetted and debris was vacuumed up and disposed of properly. Line added to priority cleaning list.
	1153 John Fitch Highway	Catch basin (MS4) to receiving water	Falulah Brook	12/25/2016	10:30 PM	12/26/2016	9:00 AM	4,000	Sewer system blockage	Downstream manhole was jetted and blockage was relieved. Roots were cut from main line.
	31 Olin Drive	Backup into property basement	No release to surface water	12/16/2016	3:00 PM	12/16/2016	3:30 PM	30	Sewer system blockage caused by a root ball downstream of the home at a defective wye service connection.	Blockage was relieved via water jetting. Roots could not be cut out due to deflected clay pipe joints. Manhole installed Spring 2017 at lateral connection at the summit of the line.
545 Westminster Street	Direct to receiving water	North Nashua River	11/14/2016	1:00 PM	11/14/2016	2:00 PM	5,400,000	Initially notified of algae growth on 10/26/2016. After multiple investigations a sewer system blockage was found at the intersection of Route 2A and Route 31.	Rag ball blockage was relieved via jetting, restoring normal operations. Pipe repaired in following weeks.	
153 Fairmount	Backup into property basement	No release to surface water	11/4/2016	1:00 PM	10/21/2016	8:00 PM	300	Rain event	Surcharging subsided with rain event.	
14 Wallace Avenue	Backup into property basement	No release to surface water	11/2/2016	3:30 PM	10/21/2016	8:00 PM	1,870	Rain event, insufficient capacity in system	Surcharging subsided with rain event.	
400 Summer Street	Backup into property basement	No release to surface water	10/27/2016	1:30 PM	10/21/2016	8:00 PM	3,800	Rain event, insufficient capacity in system	Surcharging subsided with rain event. City will install backflow preventer in owner's service lateral.	
187 Fairmount Street	Backup into property basement	No release to surface water	10/26/2016	2:00 PM	10/21/2016	8:00 PM	N/A	Rain event, sewer system blockage	Surcharging subsided with rain event. City will install backflow preventer in owner's service lateral at owner's requests.	
40 Ray Avenue	Backup into property basement	No release to surface water	10/24/2016	4:30 PM	10/24/2016	4:30 PM	300	Rain event, insufficient capacity in system	Unmaintained backflow preventer didn't work properly causing water to backup into basement.	
70 Benson Street	Catch basin (MS4) to receiving water	Unnamed intermittent stream	10/24/2016	10:45 AM	10/24/2016	12:50 PM	162,000	Rain event, sewer system blockage of bricks and debris wedged into pipe caused water to come out of manhole cover. Manhole had been overflowing since 10/22/16 at 7 AM. Majority of sewage was released into a very large flat rip-rapped area and infiltrated into ground.	Blockage was cleared by water jetting.	
33 Shelly Avenue	Backup into property basement	No release to surface water	10/24/2016	9:30 AM	10/21/2016	7:00 PM	3,000	Rain event, insufficient capacity in system	City installed backflow preventer in this location sometime in following weeks to prevent future SSO's.	
29 Goodwin Street	Ground surface	No release to surface water	9/29/2016	11:00 AM	9/29/2016	1:00 PM	20	Sewer system blockage due to size transition in pipe (10 inch diameter to 6 inch). Sewage ran down street 10 feet and infiltrated into grass.	Blockage was cleared with jetter, debris was removed, and roots were cut out of pipe.	
132 Green Street	Backup into property basement	No release to surface water	9/27/2016	5:00 PM	9/27/2016	5:30 PM	10	Sewer system blockage, root intrusion. Resident claims lateral was clear but sewage was still entering basement. Sewer collections team jetted mainline and pulled back debris. Baby wipe build up appears to have cause blockage.	Blockage was cleared with jetter. Considerations for putting extra manhole to provide access to both ends of main line were made.	
Water Street at Walnut (CSO-039)	Direct to receiving water	North Nashua River	6/21/2016	1:00 PM	6/21/2016	2:00 PM	577,000	After a rain event the SSO was discovered during routine checks and was caused by sand/grit and rags blocking the base flow outlet pipe of the CSO regulator.	The blockage was cleared and the structure was cleaned with a jetter/vacuum truck. All catch basin sumps upstream were cleaned.	
1 Delisle Street (Park Hill Park)	Ground surface	No release to surface water	3/1/2016	2:00 PM	3/1/2016	3:00 PM	150	Sewer system blockage; 6 to 12 inch sized rip-rap stones were found in sewer manhole causing blockage. Sewage from SSO percolated into ground around surcharged manhole.	The rip-rap was removed via a catch basin clamshell cleaner truck, vactor truck, and manual labor. Sewer main up and downstream of the block was cleaned and inspected with camera. City will install a locking frame on manhole to prevent unauthorized access and debris.	
10 Jerry Street	Ground surface	No release to surface water	2/11/2016	10:00 AM	2/11/2016	11:00 AM	1,000	Sewer system blockage due to bricks, rocks, and a tire-chock block.	Blockage relieved by jetting main line and cleaning out SMH. Crew vactored up sewage that had pooled on road, remaining sewage percolated into ground.	
65 Fredette Street	Ground surface; Backup into basement	No release to surface water	2/10/2016	10:30 PM	2/10/2016	11:30 PM	2,000	Sewer system blockage due to bricks. Homeowner pumped sewage into backyard where it percolated into ground.	Main line was jetted. 25 bricks were removed from sewer. Repairs were made to falling manhole where the bricks originated.	
2015	130 South Street	Catch basin (MS4) to receiving water	North Nashua River	12/15/2015	Unknown	12/15/2015	Unknown	Unknown	Resident discharging gray water from basement via pipe protruding from foundation wall.	Notified Board of Health for enforcement action, worked with homeowner to correct.
	444 Franklin Street	Backup into property basement	No release to surface water	11/10/2015	6:45 AM	11/10/2015	6:45 AM	Unknown	Sewer system blockage in main line due to protruding tap.	Line was jetted and blockage was cleared.

Year	Location	Location of Discharge	Did SSO Enter Surface Water or MS4	Date Discovered	Time Discovered	Date Stopped	Time Stopped	Estimated Volume (gal)	Description of event with known or suspected causes	Mitigation and Corrective measures
	300' West of 50 Stoneybrook Road	Catch basin (MS4) to receiving water	Unnamed brook	10/14/2015	10:00	10/15/2015	2:00 PM	2,000	Leaking steel sewer force main. The line was jetted which led to short relief period. Leak continued so the pump station was shut down.	Replaced 8 feet of sewer force main. Condition assessment was conducted on the sewer force main to determine if any other repairs or replacements needed to be made.
	149 High Street	Backup into property basement	No release to surface water	10/5/2015	Unknown	10/5/2015	Unknown	Unknown	Sewer system blockage and pipe collapse.	Rooter team snaked line but only up to 80 ft. where they could not go any further. Suspected pipe had been crushed or broken. Excavation of area and repair of pipe was done.
	40 Ray Avenue	Backup into property basement	No release to surface water	9/30/2015	Unknown	9/30/2015	Unknown	Unknown	Rain event caused sewer surcharging.	Surcharging subsided with rain event.
	35 Proctor Avenue	Backup into property basement	No release to surface water	9/30/2015	10:45 AM	9/30/2015	11:45 AM	16,000	Rain event; Heavy inflow to sewer system due to torrential rains surcharged sewer in street. Blockage caused by debris in sewer main that originated from newly installed sewer.	Surcharging subsided with rain event. Investigation of storm drains to see if a blockage was the reason for transfer from storm sewer to sanitary sewer.
	667 Westminster Street	CB and 1000' of pipe (MS4) to receiving water	North Nashua River	6/20/2015	9:00 AM	6/24/2015	9:00 AM	205,000	Multiple sewer system collapses in same area over 4 day period. 8-inch VC pipe constructed on ledge was shaken apart by vibratory compactor during paving project 2 weeks prior. Sewage was released onto ground surface and into catch basin.	Located collapse with camera truck and called in on-call services contractor. Multiple collapses in area over 4 day period required multiple temporary fixes leading to permanent fix.
	54 Fredette Street	Backup into property basement	No release to surface water	2/10/2015	10:00 AM	2/10/2015	3:00 PM	200	Sewer system blockage of 8 inch VC pipe.	Vac truck cleared blockage, pipe was cleaned. Attempt to CCTV was made however protruding lateral in way. Plans for lateral to be cut out after weather improved were made.
	55 Fredette Street	Backup into property basement	No release to surface water	2/10/2015	10:00 AM	2/10/2015	3:00 PM	50	Sewer system blockage of 8 inch VC pipe.	Vac truck cleared blockage, pipe was cleaned. Attempt to CCTV was made however protruding lateral in way. Plans for lateral to be cut out after weather improved were made.
2014	John Fitch Highway at Woodbury Ave	Ground; Catch basin (MS4) to detention basin	No release to surface water	11/19/2014	10:15 PM	11/19/2014	10:40 PM	2,000	Caused by a failed bypass pumping system. The bypass system was being transferred from pump 1 to pump 2 and with the valve not being closed properly and the pump being brought online not primed properly the SSO occurred.	An employee of the company that had installed the pump figured out the problem and closed the valve. The site of the SSO was cleaned.
	285 Main Street	Backup into property basement	No release to surface water	7/27/2014	Unknown	7/27/2014	Unknown	2,000	Sewer system blockage. Contractor didn't get proper information from engineering firm during project leading to blockage in sewer lateral.	City assisted the contractor in clearing the blockage. Rooterman vacuumed the SSO into their vac truck and decanted into a sewer manhole on Day St.
	95 Goodrich Street	Backup into basement; Ground surface	No release to surface water	7/7/2014	5:00 PM	7/7/2014	5:00 PM	200	Rain event, insufficient capacity. 1.1 inches of rain in 20 minutes too much capacity for system under construction. Homeowner bailed the sewage onto the back lawn where it infiltrated the ground.	Contractor made temporary modifications to system to utilize more capacity in storm drain.
	96 St Bernard St	Backup into basement; Ground surface	No release to surface water	7/7/2014	5:00 PM	7/7/2014	5:00 PM	1,000	Rain event, insufficient capacity. 1.1 inches of rain in 20 minutes too much capacity for system under construction. Homeowner bailed the sewage onto the back lawn where it infiltrated the ground.	Contractor made temporary modifications to system to utilize more capacity in storm drain.
	254/256 Boutelle Street	Backup into basement; Ground surface	No release to surface water	7/7/2014	5:00 PM	7/7/2014	5:00 PM	400	Rain event, insufficient capacity. 1.1 inches of rain in 20 minutes too much capacity for system under construction. Homeowner bailed the sewage onto the back lawn where it infiltrated the ground.	Contractor made temporary modifications to system to utilize more capacity in storm drain.
	264 Boutelle Street	Backup into basement; Ground surface	No release to surface water	7/7/2014	5:00 PM	7/7/2014	5:00 PM	200	Rain event, insufficient capacity. 1.1 inches of rain in 20 minutes too much capacity for system under construction. Homeowner bailed the sewage onto the back lawn where it infiltrated the ground.	Contractor made temporary modifications to system to utilize more capacity in storm drain.
	276 Boutelle Street	Backup into basement; Ground surface	No release to surface water	7/7/2014	5:00 PM	7/7/2014	5:00 PM	500	Rain event, insufficient capacity. 1.1 inches of rain in 20 minutes too much capacity for system under construction. Homeowner bailed the sewage onto the back lawn where it infiltrated the ground.	Contractor made temporary modifications to system to utilize more capacity in storm drain.
	300 Boutelle Street	Backup into basement; Ground surface	No release to surface water	7/7/2014	5:00 PM	7/7/2014	5:00 PM	200	Rain event, insufficient capacity. 1.1 inches of rain in 20 minutes too much capacity for system under construction. Homeowner bailed the sewage onto the back lawn where it infiltrated the ground.	Contractor made temporary modifications to system to utilize more capacity in storm drain.
	4 Maverick Street	Backup into property first floor and basement	No release to surface water	6/26/2014	3:00 AM	6/26/2014	3:00 AM	200	Rain event, insufficient capacity, sewer system blockage. Temporary connection due to construction was insufficient for combined sewer. Sewage emptied into first floor and drained into basement.	Contractor made a permanent connection to existing combined sewer.
	Boutelle Street at St Bernard Street	Ground surface	No release to surface water	5/17/2014	5:45 AM	5/17/2014	5:45 AM	1,000,000	Rain event. Revoli Construction installed a temporary connection that was undersized and restricted flow causing SSO to exit manhole and run down the street before infiltrating the ground. Sewage also entered a few basements of surrounding properties.	Surcharging subsided with rain event. City met to discuss measures to be taken. Included better plans for temporary connections to be provided by Revoli Construction.
	65 Fredette Street	Ground; CB and 5,230' (MS4) to receiving water	Nashua River	2/12/2014	5:00 PM	2/12/2014	5:00 PM	5,000	Sewer system blockage of 8 inch VC pipe in street lead to backup in property basement which was pumped into driveway and eventually entered a catch basin which brought it to the Oak Hill Road bridge outfall.	Vac truck cleared blockage. Collections crew cleaned pipe and checked it the following day.
	75 Walnut Street	Direct to receiving water	North Nashua River	1/11/2014	Unknown	1/29/2014	Unknown	1,800	Sewer system collapse; Large block of ice knocked manhole off its base in river. Private lateral assumed to come loose concurrently.	Blue Diamond Construction hired to fix manhole. Lateral reconnected on 1/29/2014
2013	66 Thorndike Street	Backup into basement; Ground surface	No release to surface water	12/16/2013	10:30 AM	12/16/2013	10:30 AM	500	Sewer system blockage in street due to 8 inch VC pipe collapse. Plumber bailed 500 gallons into backyard where it percolated into ground underneath snow.	Vac truck cleared blockage. Excavation planned to repair pipe in following days.
	Regulator 036 at 98 Laurel Street	CB and 1000' of pipe (MS4) to receiving water	Nashua River	9/22/2013	5:15 AM	9/22/2013	5:15 AM	50,000	Rain event; insufficient capacity. During combined sewer separation regulator was closed too soon; not enough capacity in downstream pipe. Sewer manhole cover popped off, crew arrived after event was over.	Short term fix included opening regulator and installing meter. Long term fix included more catch basin separation.
	905 Merriam Ave, Pizzeria Uno, Twin City Plaza	Ground surface; wetland area	Wetland area	6/11/2013	7:45 AM	6/11/2013	11:30 AM	81,000	Sewer system blockage of 12 inch discharge pipe due to rocks, grease, and rags.	Two 3 inch trash pumps setup to stop SSO. 6 inch pump installed to bypass problem manhole. Surcharging in system relieved. Problem manhole is isolated and blockage is cleared.
	58 St Andrew Street	Backup into property basement	No release to surface water	5/22/2013	7:00 AM	5/22/2013	7:00 AM	200	Rain event; Sewer system blockage due to grease and a root intrusion.	Blockage cleared with jetter and roots were cut out. Line CCTV'd following incident.
	Pole 55, Oak Hill Road	Ground surface	No release to surface water	4/29/2013	9:15 AM	4/29/2013	9:15 AM	125	Sewer system blockage due to grease from Oak Hill Country Club. SSO flowed for 75 ft. along side of road eventually percolating into ground at low point.	Blockage was cleared. City scheduled to visit pipe to clean, jet and CCTV in the following months. Notified OHCC to be diligent about semi-annual pump outs.