

### Monthly Spill Totals As Reported to NCDEQ

All overflows and violations have been corrected and reported to the State of NC. No environmental impacts or fish kills occurred with these events.

Jan.	0	May	0	Sep	760
Feb.	0	Jun	0	Oct	4,720
Mar	1,625	Jul	945	Nov	0
Apr	2,600	Aug	0	Dec	616

### Fats, Oils and Grease Program

Grease is a leading cause of sewer blockages and overflows in the sewer system and can lead to sewer backups into homes. The city urges residents to help our fight against grease.

- Never pour grease down the drain.
- Scrape grease and food scraps into the trash.
- Use sink strainers to prevent food scraps from going down the drain.

The Fats, Oil and Grease (FOG) Program seeks to reduce these occurrences by education to the public on how to prevent grease from entering the sewer system.

Special emphasis has been placed on food service establishments, but we all need to do our part to keep grease out of the sewer system. For more information on our program, contact the Pretreatment Coordinator at 704-825-3791

### Infrastructure Improvements

#### Sewer Collections System

- Sewer Replacements and Repairs
  - E. Catawba St (5')
  - Morning Glory Ave (27')
  - 6846 Wilkinson Blvd. (14')
  - 200 Caldwell Farm Rd (25')
  - David St (4')
  - Myrtle St (6')

### Copies Of This Report Are Available At

City Works at 1401 E. Catawba St  
On the City's website at [www.cityofbelmont.org](http://www.cityofbelmont.org)

For more detailed information, contact the Water – Sewer Supervisor, Danny Whisnant at 704-901-2073 or [dwhisnant@cityofbelmont.org](mailto:dwhisnant@cityofbelmont.org)

I certify under penalty of law that this report is complete and accurate to the best of my knowledge. I further certify that this report has been made available to the users or customers of the named system.

  
Danny Whisnant  
Operative Supervisor, Water  
  
Adrian Miller  
Responsible Entity



## ANNUAL COLLECTIONS PERFORMANCE REPORT 2021

Facility Information:  
City of Belmont Collections System  
298 Parkdale Dr.  
Belmont, NC 28012

Collections Permit Number:  
WQCS00046

City of Belmont  
1401 E. Catawba St  
Belmont, NC 28012

## SYSTEM OVERVIEW

The City of Belmont maintains a collections system consisting of 89.95 miles of gravity sewer and force mains. Sewer mains range from 6" to 24" in diameter.

### WHAT IS WASTEWATER

Wastewater is sewage from your home's sinks, toilets, bathtubs and washing machines. People also create wastewater at work. Offices, businesses and manufacturers create not only domestic wastewater but also can create wastewater combined with the discharge associated with manufacturing process or services.

The City of Belmont's collection system and lift stations direct the flow of the wastewater to the City of Belmont's WWRP located on Parkdale Drive.

### HOW DO WE TREAT WASTEWATER?

Wastewater treatment plants clean our wastewater and prevent pollution from getting into the environment. When wastewater enters our 5 MGD facility, bar screens catch and remove trash and large objects. Grit chambers then remove heavy particles like gravel, sands, seeds, and coffee grounds. The wastewater then flows through settling tanks called clarifiers where heavy solids settle to the bottom and are removed. After the primary, the liquid portion flows into the aeration basin where microorganisms break down the pollutants.

The wastewater then flows into the final clarifiers where the microorganisms settle out and are returned to the basins. The flow is disinfected before treated water is returned to the Catawba River.

## COLLECTIONS SYSTEM MAINTENANCE

The water sewer crews maintain the collections system pipes and lines to prevent sanitary overflows (SSO's) and keep wastewater flowing through the collections system to the treatment plant for treatment. During this report year, 55,419 feet of sewer mains were cleaned by jetting. 3,500 feet of sewer mains were videoed to inspect sewer lines for problems. During the year crews also inspected 159 manholes, performed right of way maintenance, and inspected aerial crossings. Crews are also responsible for installation of sewer connections and perform repairs to problematic connections, lines, and manholes.

Maintenance crews conduct inspections of all lift stations and perform both preventative and corrective maintenance on the stations and the force mains. The City's lift stations are equipped with alarm's and are served back up generators (either permanent or portable capabilities).

Dumping waste into the City's manholes without permission is illegal. Residents can report suspicious activity, sewer overflows and other issues any time by dialing 704-825-0507.

### SANITARY SEWER OVERFLOWS

Spills Greater Than 1,000 Gallons And/Or Reaching Surface Water

Date	Address	Gallons	Cause
03/02/2021	101 Hugh St	1625	DIL
04/19/2021	6846 Wilkinson Blvd	2600	PF
07/05/2021	320 Julia Ave.	945	PF
09/20/2021	200 Caldwell Farm Rd	760	DIL
10/05/2021	200 Caldwell Farm Rd	4720	PF
12/18/2021	1711 Cardinal Ct.	616	DIL

\*\*HR – Heavy Rain \*\*HR/SF – Heavy Rain/Serve Flooding  
 \*\*SW – Serve Weather \*\*TR/FF Torrential Rain/Flash Flooding  
 \*\*PF – Pipe Failure \*\*DIL – Debris In Line

## THE TOILET IS NOT A TRASH CAN

Sanitary sewers are designed to handle human waste, toilet tissue, and approved industrial commercial wastes. But nonwoven materials such as disinfectant wipes and diapers cause problems. Although products may be labeled flushable, that does not mean they readily break down within the sewer system, these items can cause sewer overflows and damage pumps and other infrastructure.

### RELATED INFRASTRUCTURE REPAIRS

#### Lateral Repairs

- 144 Pratt St. (17')
- 31 E. Woodrow Ave. (35')
- 81 Dorie Dr. (3')
- 814 E. Catawba St. (2')
- 33 E. Woodrow Ave. (4')
- 536 Summerfield Pl. (3')
- 93 Lillie McClain Ct. (20')
- 414 Gaston Ave. (18')
- 710 Brook St. (22')
- 501 Julia Ave. (17')
- 218 Sloan St. (15')
- 105 E. Catawba St. (6')
- 633 Secret Ave. (14')
- 120 Rankin St. (11')
- 33 Barnes Dr. (24')
- 407 Dogwood Ln. (10')

#### Sewer Taps

- 200 Sue Dr. 806 Southpoint Rd.
- 400 Ferrell Ave. 137 Willertine Dr.
- 117 Prince St. 133 Willertine Dr.
- 115 Prince St. 205 Ninth St.
- 327 Elm St. 207 Ninth St.
- 507 Sacco St.
- 304 Clay St.
- 306 Clay St.