

**Town of Snow Hill**  
**System Performance Annual Report**  
**2021**

**1**    General Information

Facility Name- Town of Snow Hill Waste Water Treatment Plant

Facility Address- 102 Daniel Dr, Snow Hill, NC 28580

Mailing Address 908 SE Second St, Snow Hill, NC 28580+

**Contact Information**

Town Manager/ Public Works Director	Todd Whaley	(252) 747-3414
Waste Water ORC	Drake Robart	(252) 939-5213
Town Hall		(252)747-3414

**Permit Numbers**

NPDES Permit #NC0020842

Collection System Permit #WQCS00246

Field Lab Certification #5123

**2**    Description of Facilities

**A. Collection System**

The Town of Snow Hill currently maintains a collection system comprised of two miles of force mains, fifteen miles of gravity mains, and eight lift stations. Seven of the town's lift stations are duplex pump stations, the remaining lift station is a triplex lift station. The piping in our collections system is mainly made of ductile iron piping and PVC, ranging from four to eighteen inches. The Collection system is estimated to serve two thousand people.

## B. Waste Water Treatment Plant

The Towns wastewater plant is permitted for five hundred thousand gallons per day. The plant influent averages two hundred thousand to three hundred thousand gallons per day. The plant treatment process consists of the following: Automatic influent bar screen, an anaerobic chamber, two anoxic ditches, two aerobic ditches, two primary clarifiers, two chlorine disinfection contact chambers, and two SO<sub>2</sub> dechlorinating zones. For sludge management, the Town has two digesters, two holding tanks and one, twelve-acre land application field. The Town land applies about two hundred and fifty thousand gallons per year.

## 3. Performance Measures

### A. Collection System

The Town has cleaned about two miles of sewer lines in 2021, exceeding our minimum ten percent per year.

The collection system is monitored seven days a week and serviced weekly or more frequently if needed.

In 2021 the collection system had no reportable sewer overflows (SSO)

In 2021 the Town created an updated sewer system map. This was done through Green Engineering.

In 2021 the Town refurbished the MLK Blvd. lift station. This included all new electronic components as well as new pumps.

### B. Wastewater Treatment plant

The Snow Hill wastewater treatment plant has ended the year 2021 with BOD and TSS removal rates averaging better than the EPA minimum. The Treatment plant has also acquired new Chlorine and SO<sub>2</sub> leak detectors for the safety of the staff and surrounding areas as well as completing a large rehabilitation job to one of the secondary clarifiers due to occasional fecal violations. The Town plans to install a new chlorine disinfection system in 2022. The Town finished the year off with no system bypasses.

#### 4. Notification

This report can be found on the Town website <https://www.snowhillnc.com/>.  
Copies will be available at Town Hall located at 908 SE second St, Snow Hill, NC  
28580.

#### 5. Certification

I certify under penalty of the 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 and customers of the Town of Snow Hill and that those users have been notified of its availability.



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Todd Whaley, Town Manager

Public Works Director



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Date