

## 4.3.2 Municipal Systems

### **4.3.2.2 Centreville (Amended)**

The incorporated community of Centreville has a sewerage system that serves the entire Town. At present, there are approximately 1976 building connections serving an estimated 6323 people. The system was originally authorized an average daily flow of 500,000 gpd and was later approved to increase the flow to 542,000. The current authorized flow is expanded to 1mgd as amended. The average daily flow for the years 2018, 2019, and 2020 averaged 0.45mgd/annual average daily flow or 83% of permitted capacity. A marked increase in 2020 and 2021 brought the flows to 87% and 93% of the original authorized capacity respectively. The original treatment plant was designed to treat medium-strength domestic sewage with no heavy organic loadings requiring special treatment. Discharges are a combination of a surface water discharge into the Corsica River and a secondary groundwater discharge via the water reuse facility.

The upgraded treatment facility now utilizes a Membrane Bioreactor method of treatment that allows wastewater to be treated to meet and exceed current Enhanced Nutrient Removal (ENR) standards as well as the Reclaimed Water standard. It is constructed to permit a seamless upgrade with compatible additional treatment to Direct Potable Reuse standards. This treatment plant lies within a state-designated Priority Funding Area (PFA).

The Town will maintain its existing water reuse farm (Tax Map 45, Parcel 3). This facility is operated under State groundwater discharge permits which provide for year-round operations. This facility includes a storage lagoon to be used to hold the treated effluent when needed. The Town plans to expand the lagoon's existing capacity from approximately 24 million gallons to 60 million gallons. The Town has provided adequate buffers for adjacent properties from spray operations.

The Town maintains the existing approved point of direct discharge which has been expanded for year-round use.

Most of the system's collection lines are 8" gravity sewers. There are presently five (5) in the system. Also, a grinder pump service area is currently serving the North Brook community. The Town completed the full reconstruction of the primary collection mains in both Liberty and Commerce Streets and continues to replace aging sewer lines and remediate inflow and infiltration as revealed through a Town-wide study, as funds allow.

Ultimately, the Centreville sewerage system will expand to reach other developments as annexations occur in accordance with the Town's Comprehensive Land Use Plan. The Town currently serves no properties beyond its corporate limits apart from limited service to the county-owned White Marsh Park facilities.

The Centreville sewer service map shows an area designated as S-3 at the intersection of U.S. Rt. 301 and MD Rt. 304 (now a full interchange). This is an area that has a mixture of commercial, industrial, and municipal uses, all of which suffer from varying degrees of inadequate on-site wastewater disposal systems. These areas carry the "Public Health Concern" hatching. In addition, there are some parcels that are currently agricultural. These parcels are designated on the Centreville Community Plan as "County Planned Business Park" and on the Queen Annes County Comprehensive Plan – Economic Development & Tourism Map BDT-1 as "County Business Park".

Wastewater service would either be by the Town of Centreville, served by a "**Denied Access**" line to keep intervening properties as *No Planned Service*, or by a county-owned and operated wastewater treatment plant.