

COMBINED SEWER OVERFLOW STORAGE

STATE PROGRAM: Maryland Department of Environment

ASSISTANCE RECIPIENT: City of Cumberland

ASSISTANCE AMOUNT: \$3M



PROJECT DESCRIPTION

The Cumberland Wastewater Treatment Plant is constructing a CSO storage system. This stored CSO wastewater will then be released in a controlled manner and treated by the facility's Enhanced Nutrient Removal System. The facility, which serves over 35,000 customers, is building this storage system to implement a Long Term Control Plan (LTCP), so that by the year 2025, at least 85 percent of the CSO is eliminated or captured during rain events. The Maryland Water Quality SRF provided a loan for approximately \$3 million toward the total cost of \$31.5 million for this project. To be completed in late 2019, this storage system will be located beneath recreational fields and basketball courts and will use gravity to direct excess influent past the treatment plant and into a five-chamber concrete tank that can hold a total of five million gallons. The CSO storage system will also capture 55 percent of the overflow volume at the treatment plant to help with continuous high flows and reduce nutrient loading to the Potomac River.

To read more about this case study, please visit https://www.epa.gov/sites/default/files/2018-11/documents/pisces_2018_compendium_0.pdf.