LOWCOUNTRY REGIONAL WATER QUALITY MANAGEMENT PLAN
AMENDMENT 30
EXPANSION OF CHERRY POINT WATER RECLAMATION FACILITY CAPACITY

Beaufort-Jasper Water and Sewer Authority (BJWSA) is planning an expansion of the Cherry Point Water Reclamation Facility (WRF) from a design flow of 7.5 million gallons per day (MGD) to 11.25 MGD.

The Cherry Point WRF serves a large portion of the BJWSA’s wastewater system south of the Broad River. The continued development and population growth have accelerated the need for expanded treatment capacity at the Cherry Point WRF. These include:

- A new large residential development, East Argent
- Future growth on the US Highway 17 Corridor
- Septic tank conversions

The Cherry Point WRF will generally consist of multi-rake influent screening, vortex grit removal, equalization storage and pumping, carrousel-style bioreactors, secondary clarification, disk filtering and UV disinfection.

The treatment at the Cherry Point WRF will be designed to consistently meet the National Pollution Discharge Elimination System (NPDES) limit requirements.

The expanded Cherry Point WRF will be designed to meet reliability requirements as determined by SCDHEC.

The Cherry Point WRF will be consistent with the Lowcountry Regional Water Quality Management Plan (208 WQMP) for the Lowcountry Area of South Carolina.