

LOWCOUNTRY AREAWIDE WATER QUALITY MANAGEMENT PLAN

Amendment 21

The Cherry Point Wastewater Treatment Plant (WWTP) may be expanded from a capacity of 3.2 MGD to a permitted capacity of 6.4 MGD. The expansion will include the following improvements:

- A new headworks facility (including screening and grit removal) to serve the entire plant.
- Two additional aeration basins identical in volume and configuration to existing basins, doubling the capacity to 6.4 MGD.
- Two additional 80-foot diameter clarifiers will be added, doubling the unit process rated capacity to 6.4 MGD.
- The existing Chlorine gas disinfection system will be replaced with a UV disinfection system.
- In addition to the wet weather flow discharge to the Great Swamp, 41.6 million gallons of effluent storage will be available in ponds when land application rates are limited. As additional golf courses are constructed within the service area, each golf course will be required to provide 1.0 million gallons of effluent storage capacity.
- Existing RAS/WAS pumps will be upgraded to increase capacity.
- A second belt filter press will be installed in the existing Sludge Dewatering Building.