



Project: Cape Fear Steam Station (Coal Ash Recycling) Plant

Location: Moncure, NC

Owner: Duke Energy

Contractor: Zachry Industrial

MEIS Support/Supplies: December 2019 through January 2021

- Duke Energy is constructing a coal ash recycling unit on the property of its former Cape Fear plant in Moncure with the goal of excavating the coal ash in basins there, helping it meet the state-mandated basin closure deadline and providing another use for the discarded ash.
- The facility will extract excess carbon from coal ash to be suitable to be used in concrete; the excess carbon in coal ash “strengthens concrete” to be used in the construction of high weight bearing bridges and highways.
- The facility, uses STAR technology created by the SEFA Group. That company that has specialized in coal ash recycling for 40 years and is one of three of this type of facility the company is building in North Carolina to adhere to the state’s mandate to excavate coal ash pits in the state.



ZACHRY



Image Courtesy of Duke Energy