



## PROCESS RELOCATION PROJECT

### CHEMICAL PLANT – NORTH CAROLINA

**TOTAL INSTALLED COST \$1,500,000**

PENTA provided complete engineering and design for a full-service design project to relocate an existing textiles chemical process from one existing plant, location to be abandoned, to another existing plant.

The relocation project included moving five mix tanks (ranging in size from 150 gallons up to 2,500 gallons), six storage tanks (ranging from 5,000 gallons to 10,000 gallons), an existing chiller, and an existing drum handling/ filling system. In addition, a new 3,700 gallon Mix Tank was added.



PENTA's scope of work included a process evaluation of existing equipment and specification of new equipment. We also provided Civil/ Structural/ Architectural design for a new MCC room, a new building addition for drum handling and storage, as well as foundation and structural modifications inside an existing building for a new operating mezzanine. Our Mechanical design included all interconnecting process piping, utility piping and associated tie-ins, along with the specification and layout of materials handling equipment.

PENTA also provided all the Electrical, Instrumentation and Controls design required to complete the project.