



Chemicals

Client

BP Amoco

Location

Augusta, GA, USA



Amodel Production Facility

Project Description

Amodel is a unique and critical high-strength, high-temperature plastic component used in key worldwide manufacturing environments.

When BP Amoco suffered an explosion during a routine startup of their Amodel facility, the plant and their customers were suddenly without the product, produced only at this facility. BP Amoco engaged CH2M HILL Lockwood Greene to provide engineering and construction services to rebuild the facility. Project features includes"

- Executing a fast-track project design allowed for the final design and construction of the project to be completed in merely 113 days.
- Recording zero safety incidents during the entire design and construction effort permitted safe and prompt construction.
- Negotiating a critical centrifuge to be shipped and installed on time saved BP Amoco over \$100,000 on the purchase price.
- Bringing experienced key vendors to the team allowed for flawless execution of the project despite severe schedule constraints.
- Delivering the two-story steel structure in only three weeks, fully ready for erection, expedited early completion of the project.
- The design team developed over 200 piping isometrics and over 20 P&IDs.
- Twenty major process equipment pieces, 160 instruments, and a new MCC structure were installed.
- The layout involved close quarter placement of a large ASME vessel into a new pit, below grade, adjacent to an existing extruder.
- An elevated centrifuge with centrate tank and an independent emergency relief system also were included.