

Nuclear Power Plant Decommissioning

Plant: Humboldt Bay Nuclear Power Plant
Project: Vent Stack Removal
Unit: Unit #3
Location: Eureka, CA
Owner: Pacific Gas & Electric Co.
Contractor: Burns & Roe
Year: 1999

Scope:

Bigge Power Constructors, as subcontractor to Burns & Roe, performed the following nuclear power plant decommissioning work involving heavy lift and heavy transportation.

- Engineered solutions for the vent stack removal
- Supplied a 450 ton capacity crane to remove stack sections
- Engineered "fall path" solutions for nuclear project safety requirements
- Removed and transported stack section to decontamination area

Job Challenges:

Bigge Constructors successfully dealt with the following challenges on this project.

- Rigging and lifting vent stack sections 300' above grade and located adjacent to the spent Fuel Pool.
- Providing engineered fall path protection for the Containment structure and spent Fuel Pool
- Addressed seismic and ground bearing issues related to the location of the 450 ton crane

