



Department of Energy Savannah River Site Tritium Extraction Facility - RHB and TPB Structures

Aiken, South Carolina



Continuing its work at the Department of Energy's Savannah River Site, Bell constructed heavy reinforced concrete structures for both the Remote Handling Building (RHB) and the Tritium Processing Building (TPB) under its NQA-1-'97 Nuclear Quality Assurance Program.

The magnitude of this complex project can be readily seen from some of the numbers it produced:

- 25,000 cubic yards of reinforced concrete
- 1,700 tons of rebar
- 366 tons of radiation shield plates
- Six shield doors ranging in size from 30-168 tons
- 987 pipe and conduit penetrations
- 215 tons of structural steel
- CASK Handling Truck Bay Crane and RHB Bridge Crane, 30 and 60 tons respectively

To ensure timely project delivery, Bell utilized three shifts working six days a week, ultimately completing the project ahead of schedule.

Client Westinghouse Savannah River Co.

Owner Westinghouse Savannah River Co./ Department of Energy

Contract Value\$20 million

Contract TypeFirm Fixed Price