



Watts Bar Power Plant



OWNER | Tennessee Valley Authority

LOCATION | Spring City, Tennessee

FACILITY TYPE | Fossil-fired power generating station

PROJECT BACKGROUND

Watts Bar Power Plant began operation in 1942 and was the first coal plant built by the Tennessee Valley Authority (TVA). The plant contained four boilers and produced 260 megawatts of power. It was removed from service in the 1980's and sat idle for more than 20 years, costing in excess of \$1 million per year in maintenance upkeep. The adjacent TVA Watts Bar Nuclear Plant now provides energy for the surrounding communities.

TVA contracted Brandenburg to perform the total plant decommissioning, including environmental remediation, structural demolition, and site preparation. Brandenburg was given a very aggressive schedule of six months to complete the project, which would normally take 12 to 14 months. Brandenburg maximized production by utilizing a large fleet of company-owned, specialized equipment and staff of experienced personnel. At peak performance, crews worked two 10-hour shifts per day, six days a week to remain on schedule. Over 100 employees worked onsite, logging more than 50,000 man-hours with zero injuries.



SCOPE OF WORK

Assessments and testing for waste determination

Removal and handling of all hazardous waste

Removal, packaging, loading, hauling, and disposal of all asbestos-containing material

Removal of the entire Watts Bar Fossil Plant structures including turbines, boilers, miscellaneous equipment, retaining walls, fencing, and piers

Crushed and reused all brick and concrete generated from the removal activities

Imported 55,000 cubic yards of clean granular material to backfill the 35-foot deep basement

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