



NASA ALTITUDE WIND TUNNEL CLEVELAND, OHIO

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OWNER NASA | LOCATION Cleveland, OH | FACILITY TYPE Steel structure

PROJECT BACKGROUND

Brandenburg was contracted to perform the demolition and removal of the Altitude Wind Tunnel, Building 78, and miscellaneous equipment at a NASA facility located in Cleveland, Ohio. The 50-foot diameter, double-walled, 699-foot long U-shaped alloy steel wind tunnel was built in the early 1940's to allow simulated altitude testing of engines under realistic flight conditions. It played a significant role in the development of the first U.S. jet engines and was later used for the Mercury Space Program and the Centaur Rocket Program.

SCOPE OF WORK

Constructed a hygienic barrier to contain hazardous material

Removed all asbestos-containing material including torch cutting the 1/8 inch thick outer steel shell into 6' x 15' long pieces to expose asbestos insulation between the inner and outer walls

Removed lead-based paint using rotary grinders and needle guns equipped with HEPA vacuum attachments

Demolished and removed the Altitude Wind Tunnel, Building 78, Vacuum Pump House, Building 8 Generators, Building 8 AWT Main Drive Motor, and the Anchor Foundation on the west side of Building 7

Removed selected slabs and foundations

Minimized dust emission

Protected all underground manholes, vaults, and pits from equipment and material overload

Removed contaminated soil

