

Groundwater Remediation and Alternate Energy at NASA
White Sands Test Facility
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The NASA White Sands Test Facility (WSTF) conducts simulated mission cycle duty testing to develop numerous full-scale propulsion systems. These systems have been developed for the Apollo Service Propulsion and Lunar Modules, Space Shuttle Orbiter, and the International Space Station (ISS). WSTF is also formally certified to perform precision cleaning and depot-level refurbishment of flight-critical propulsion system components.

Historic operations and practices in the 1960s resulted in contamination of WSTF's groundwater. WSTF initiated a groundwater remediation program that includes capture of the contaminated plume, treating contaminants in the Mid-plume area, and clean up of source areas. The goal of the program is to clean up the environment to preexisting conditions.

WSTF has studied the application of alternate energy such as wind, solar, and energy storage, to reduce the large energy costs of the remediation efforts:

- Alternate Energy Programs to support the ground water remediation program
 - Wind Energy
 - Solar- Energy Storage Test Bed to be installed 2009
 - Solar
 - Vehicle Plug-in
 - Flow Battery Energy Storage
 - Utility-Size Peak Shaving Solar Generation Plant