

# National Aeronautics and Space Administration

LYNDON B. JOHNSON SPACE CENTER  
WHITE SANDS TEST FACILITY

## WHITE SANDS MISSILE RANGE ACCESS CAPABILITIES

### SUMMARY

White Sands Test Facility (WSTF) can conduct potentially hazardous testing as an interface to, and in conjunction with, the White Sands Missile Range (WSMR).

### EXPERIENCE

WSTF works with WSMR in support of customer needs and test activities. Examples include the ongoing operation of the White Sands Space Harbor (WSSH) for space shuttle training aircraft operations and as a contingency landing facility, joint operations for the Constellation Program Abort Flight tests, as well as the McDonald Douglas DC-X vehicle flight testing. WSTF also has experience developing procedures to meet customer-specified test requirements at WSMR. Procedures have been developed to reduce turnaround time and costs based on customer test requirements. Experience has included high- and low-pressure gas systems, hypergolic rocket propellant systems, decontamination and cleaning systems, and cryogenic systems.

### FACILITY CAPABILITIES

WSMR consists of a network of roads, communication facilities, a precisely surveyed coordinate grid system, launch sites, control bunkers, impact areas, extensive instrumentation systems, over 3,000 precisely surveyed instrumentation sites, data processing facilities, and display facilities.

### TEST MEDIA

Common testing capabilities include the following:

- Rocket and missile launch, tracking, and recovery
- Nuclear effects testing
- High-speed sled track
- Directed energy weapons testing
- Climatic and dynamic environments testing
- Atmospheric research
- Electronic countermeasure systems development and testing
- Counter/countermeasure systems development and testing

### CONTACT

Sean M. Gates, NASA White Sands Test Facility, Propulsion Test Office  
[sean.m.gates@nasa.gov](mailto:sean.m.gates@nasa.gov), (575) 524-5718

Robert E. Mitchell, NASA White Sands Test Facility, WSSH Operations Manager  
[robert.e.mitchell@nasa.gov](mailto:robert.e.mitchell@nasa.gov), (575) 524-5774  
<http://www.nasa.gov/centers/wstf/spaceharbor/index.html>

