

FOR MORE INFORMATION

More information is available on the following:

- For a more complete story with in-depth material on topics presented in this brochure as well as NewTec's historical and present-day contributions to testing and mission support on White Sands Missile Range, visit: www.newtecllc.com.
- Several stories and photographs of WSMR's history of missile testing - including the people who developed rocket technology using buildings 1550 and 1554 - are located at the WSMR Museum web site: www.wsmr-history.org. A video documentary showing personnel assembling, transporting, and launching V-2s using these buildings is also available at the WSMR Museum. More information on WSMR can also be found at WSMR Public Affairs: www.wsmr.army.mil.
- Information on the National Register of Historic Places and other significant historic areas of New Mexico is available from the state's Historic Preservation Division web site: www.nmhistoricpreservation.org.

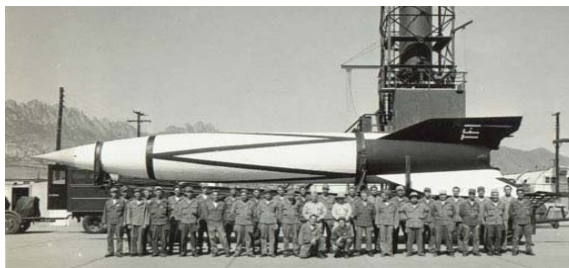


Photo courtesy of WSMR Museum

V-2 Section, 1st Ordnance Guided Missile Support Battalion, U.S. Army.

NEWTEC: A LEGACY OF TEST SUPPORT EXCELLENCE

Preserving the Past, Working Toward the Future

NewTec was formed in 1997 by the most successful companies in the industry: Computer Science Corporation (CSC), Lockheed Martin, TRAX International and Northrop Grumman. The NewTec team's six decades of range experience and fresh innovative vision have successfully supported the White Sands Missile Range, the 46th Test Group and the Electronic Proving Ground. NewTec provides excellence by ensuring highly motivated and highly qualified personnel helping our customers develop leading edge test technologies and capabilities to support Department of Defense 21st century initiatives. For more information about NewTec, visit www.newtecllc.com.

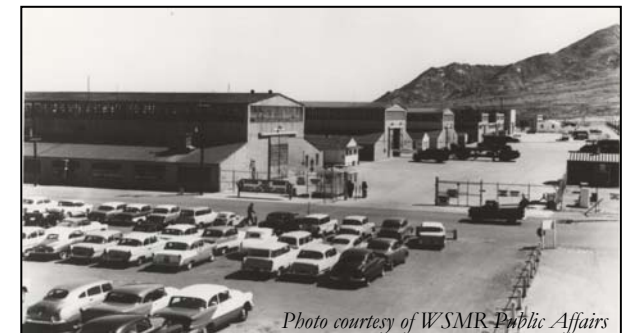
Produced by NewTec, 2006

In partnership with Environmental Division, Stewardship Branch of White Sands Missile Range and New Mexico's Historic Preservation Division. With special assistance from WSMR Public Affairs and the WSMR Museum.



Department of the Army
Public Works Directorate
Environmental Division
Stewardship Branch
White Sands Missile Range, New Mexico

MISSILE ASSEMBLY BUILDINGS 1550 & 1554 *White Sands Missile Range Historic District*



Assembly buildings in the 1950s and today.



A partnership of NewTec, White Sands Missile Range and New Mexico's Historic Preservation Division

BACKGROUND

White Sands Missile Range is the home of America's space age. Beginning in the 1940s and continuing through the "Cold War" to the present, White Sands Proving Ground - now White Sands Missile Range - has been used for missile development and testing. Through time, installation expansion required additional structures. Emerging rocket and missile technology required large, sturdy specific hangar-type assembly buildings. Two of these buildings are 1550 and 1554.

In the 1990s, White Sands Missile Range Historic District was established and currently contains approximately 50 structures connected to the "Cold War" period. Two contributing buildings are 1550 and 1554 based on their association with Cold War missile development.



Aerial view of Main Post in 1953 showing Headquarters area and Technical area. Photo courtesy of WSMR Public Affairs.

BUILDING DESIGN AND ARCHITECTURE

Buildings 1550 and 1554, originally designated as guided missile assembly facilities, were ideal for missile development, science technology, and mission support activities due to their interior high bays and overhead cranes. The buildings are barn-shaped hangars with shed side bays, steel post and beam structures with steel roof trusses, and large sliding bay doors. Building 1554 was completed on December 30, 1949 and building 1550 was completed on June 29, 1953.

The exteriors of both 1550 and 1554 have remained remarkably unchanged since their construction, retaining virtually all of their original utilitarian elements and design. The original great bay doors on both buildings remain intact and functional. The interior bays remain intact although aspects have been modified through the years as building use has changed.

In 2006, safety inspections indicated that buildings 1550 and 1554 required upgrades to comply with modern safety standards. Through consultations with New Mexico's Historic Preservation Division, new windows were planned to allow the continual use of both structures, yet compliment the existing building design, preserve

their historic integrity, and ensure their contribution to the White Sands Missile Range Historic District.

THE PEOPLE OF 1550 & 1554: COLD WAR TO TODAY

The Army's 1st Ordnance Guided Missile Support Battalion contributed to the early science and engineering program at WSMR.



V-2 rocket #59 wheeled from building 1554 for launch on May 20, 1952.

As a group of highly skilled, well-educated young men, they worked to enhance Wernher von Braun's V-2 rocket design, setting altitude records and collecting atmospheric data. The last of the V-2s was assembled in building 1554 in the early 1950s.

Both buildings 1550 and 1554 have housed scientists, engineers, technicians and tradesmen over the past six decades. Since the Cold War, mission support activities conducted in these buildings have contributed to the further development of critical science and national defense technologies. Today, NewTec's development of advanced technologies and capabilities have continued to support Department of Defense initiatives into the 21st Century.