The Nation’s Largest Rocket Engine Test Facility
John C. Stennis Space Center (SSC)
Stennis was established in the 1960s to flight-certify all first and second stages of the Saturn V rocket for the Apollo manned lunar landing program.

From 1975 to 2009, the primary mission was to test the main engines that propelled space shuttle vehicles on their eight-and-one-half-minute ascent into orbit.
SSC-Rocket Propulsion Testing

- Morpheus
- AJ26
- SpaceX subscale component for Raptor methane-fueled engine
- RS-68
- J-2X engine
- RS-25 engine
SSC Rocket Propulsion Testing Sites
SSC—A Federal City

- Federal City - a large government town

- Stennis is home to more than 50 federal, state, private, and academic organizations and several technology-based companies. The entities share in the cost of operating and maintaining the Center, making it more cost-effective for each one to accomplish its independent mission

- There are more than 5,000 federal, military and private company employees at SSC.

- The city of Stennis Space Center is complete with a fire department, medical clinic, daycare center, fitness center, banks, convenience store, credit union, fuel station, and more.

- All Stennis facilities are located within a 13,800-acre “fee” area owned by the federal government. The Stennis fee area is surrounded by a 125,000-acre noise buffer zone, designated as a national asset.
SSC– A Federal City

Department of Commerce
• National Oceanic & Atmospheric Administration (NOAA)
• National Weather Service (NWS)
• National Data Buoy Center
• NOAA National Marine Fisheries Service
• NOAA National Center for Environmental Information (NCEI)

Department of Defense
• Army Corps of Engineers
• Commander, Naval Meteorology & Oceanography Command (CNMOC)
• Navy Detachment Stennis
• Navy Facilities Southeast
• Naval Oceanographic Office (NAVO)
• Navy Office of Civilian Human Resources
• Naval Research Laboratory (NRL)
• Navy Small Craft Instruction and Technical Training School (NAVSCIATTS)
• Navy Special Boat Team 22 (SBT-22)
• Naval Special Warfare Center (NSWC)

Department of Energy
• Strategic Petroleum Reserve

Department of Homeland Security (DHS)
• DHS Data Center 1
• Immigration & Customs Enforcement (ICE)
• United States Citizenship & Immigration Services (USCIS)

Department of Interior
• U.S. Geological Survey (USGS), Hydrologic Instrumentation Facility

Department of Transportation
• Information Systems at NCCIPS

Center for Higher Learning
• Mississippi State University
  • Pearl River Community College
  • University of Mississippi
  • University of New Orleans
  • University of Southern Mississippi

NASA Stennis Space Center
• ASSURE 2014 - Intelligent Systems Division
• FAA Restricted Airspace Expansion
• NASA Rocket Propulsion Test Program
• NASA Shared Services Center (NSSC)
• National Center for Critical Information Processing & Storage (NCCIPS)

Government Publishing Office
• Passport Production Facility

Government Services Agency
• Information Systems at NCCIPS

Commercial Companies
• Aerojet Rocketdyne
• Lockheed Martin IS & GS Defense Systems
• Power Dynamics
• Rolls Royce North America

Contractors
• A2 Research
• Booz Allen Hamilton
• CRSA
• Deltha Corporation
• NAVAR
• Northrop Grumman
• Pacific Architects and Engineers (PAE)
• Pinnacle Solutions
• RiverTech
• SAITECH
• Science Applications International Corporation
• Science Systems and Applications Inc.
• Syncom Space Services (S3)
• Vencore Services & Solutions

Department of Defense
• ASSURE FAA UAS Center of Excellence
• National Oceans & Applications Research Center (NOARC)

State of Mississippi
• Enterprise for Innovative Geospatial Solutions
• Mississippi Enterprise for Technology (MSET)
• Marine Industries Science & Technology (MIST) Cluster

State of Louisiana
• Louisiana Technology Transfer Office
• Louisiana Business & Technology Center - LSU

University of Southern Mississippi
• Dept. of Marine Science

University of Southern Mississippi
• Dept. of Marine Science
Radiation Sources at SSC

- Lasers (3B and 4)
- Radiation-Generating Equipment
- Radioactive Materials
- Radiofrequency and Ultraviolet
Radioactive Materials License

- No Center Radioactive Materials License
- Various Licenses and Permits
Control Forms

- Radiation Purchase Request
- Radiation Use Authorization
 Committees

- No Radiation Safety Committee
- Health Physics Committee
  - Quarterly Meetings
Questions