

SRS: Securing Missions for the Region and Safe Energy for the Nation

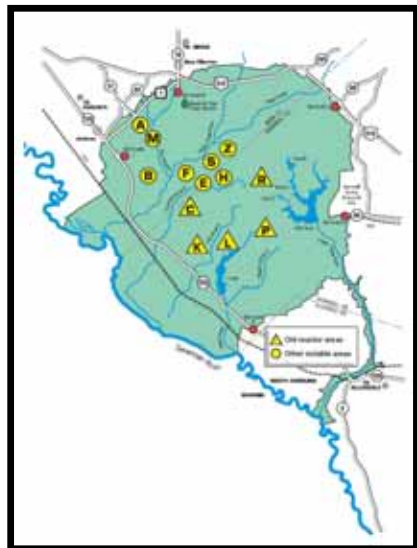
Presentation to the Southeast Environmental Management Association

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SRS: Securing Missions for the Region and Safe Energy for the Nation



- **198,000 acres= 310 square miles**
- **DOE/SRS and NNSA/SRS**
- **Contractors:**
 - Washington Savannah River Company (WSRC)
 - Wackenhut Services, Incorporated (WSI)
 - Shaw AREVA MOX Services
 - Parsons
 - University of Georgia
 - U.S. Forest Service
- **SRS workforce: 10,271 (as of 2/28/07)**
 - Approximately 80% WSRC
- **Annual budget ~ \$2 billion**



SRS: Securing Missions for the Region and Safe Energy for the Nation

- Well Prepared to be a Major Player in the Nuclear Energy Renaissance
- Proven Safety Record
- Skilled and Qualified Workforce
- Commitment to National Security
- Demonstrated Environmental Excellence



Recent Major Accomplishments

- Started up the \$500 million Tritium Extraction Facility (TEF)
- Completed deactivation of Building 232-H
- Completed deactivation of F Area complex
- Achieved first industrial area completion (T-Area)
- Reduced the site footprint, reduced hazards and increased the buffer by decommissioning over 230 excess facilities
- Continued to support nonproliferation goals by blending HEU and shipping LEU to TVA
- Put facilities and regulatory structure in place to commence salt processing later this year



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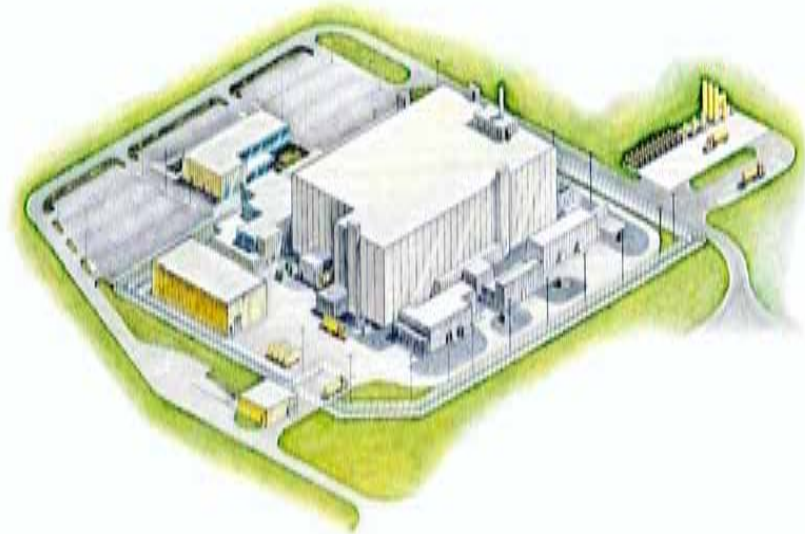
- **Future DOE/NNSA Missions**
 - Mixed Oxide (MOX) Fuel Fabrication Facility
 - Pit Disassembly and Conversion Facility (PDCF)
- **Possible Future Missions**
 - Global Nuclear Energy Partnership (GNEP)
 - Complex 2030
 - National Energy Park
 - Hydrogen Technology



Future Missions

Mixed Oxide Fuel Fabrication Facility

- Blend weapons grade plutonium with uranium to make mixed oxide (MOX) fuel assemblies
- MOX fuel assemblies will be irradiated in Duke Power commercial reactors
- The plutonium will no longer be useable in nuclear weapons
- MOX ground clearing ceremony held in October 2005; site preparation now under way
- MOX operations scheduled to begin FY 2015
- Construction peak 2,000 employees
- Approximately 900 employees during operations



Future Missions

Pit Disassembly and Conversion Facility

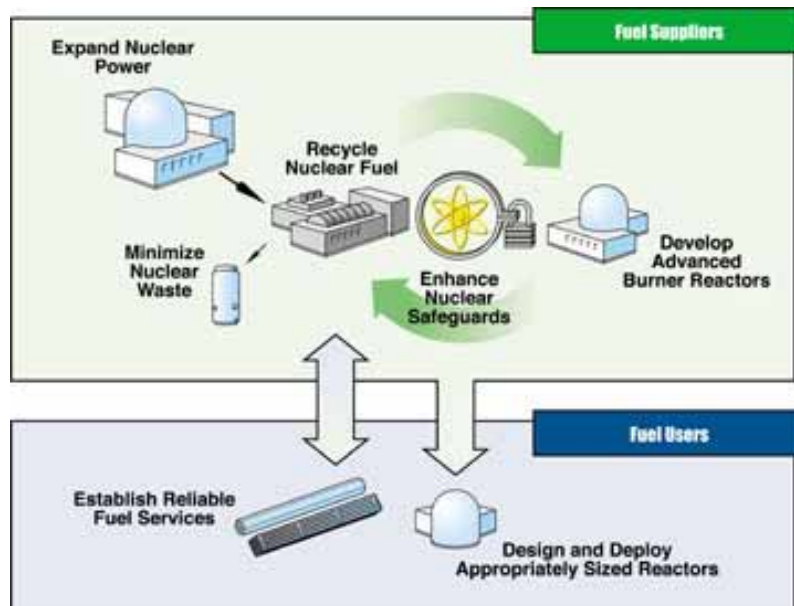


- **PDCF will convert plutonium pits from decommissioned weapons**
- **Oxidize and package plutonium for MFFF**
- **Declassify and dispose of all other materials**
- **Design ongoing – scheduled completion September 2009**
- **Operations scheduled to begin FY 2019**
- **Construction peak 1,000 employees**
- **Approximately 450 employees during operations**



Possible Future Missions

Global Nuclear Energy Partnership



- The GNEP program focuses on expanding nuclear power and establishing partnerships between fuel suppliers and fuel users.
- Detailed Siting Studies are underway for 11 Sites
- Site Characterization Reports are due May 30, 2007



Possible Future Missions Complex 2030

- SRS is being evaluated as a candidate site for:
 - Consolidated Plutonium Center
 - Consolidated Nuclear Production Center
 - Consolidated Tritium R&D Center



Possible Future Missions National Energy Park

- Considered for potential Commercial Power Generation Facility by NuStart and SCANA/Santee Cooper
- Working with the SRS Community Reuse Organization (CRO) to develop a process for potential utilization of SRS land
- Considered for central teaching reactor for southeastern universities - SUNRISE



Possible Future Missions Hydrogen Technology



- Demonstration of hydrogen technology
- New Center for Hydrogen Research opened February 2006
- Partnership with industry (Toyota and GM)
- Research & Development Grants



Summary

- SRS is well prepared to play a significant role in the Nuclear Energy Renaissance.
- Safety will continue to be our highest priority.
- We have a skilled and qualified workforce with the expertise to support future missions.
- SRS is not a closure site. We have enduring missions and are actively pursuing options.

