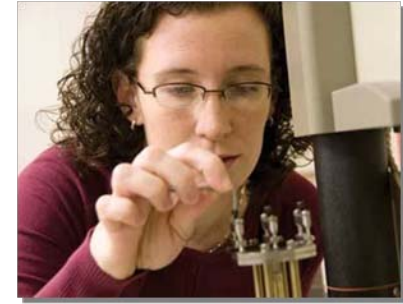
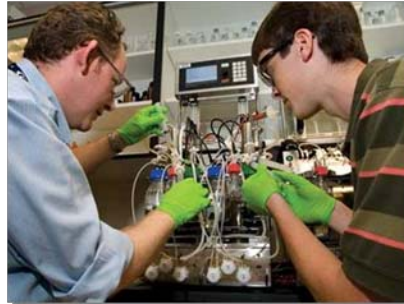


# U.S. Department of Energy

Savannah River Site



## Safety Management—Key to Effective Performance Execution Waste Management 2011

Jeffrey Allison, Director of Special Projects  
U.S. Department of Energy  
Savannah River Operations Office

**February 28, 2011**



U.S. DEPARTMENT OF  
**ENERGY**

**NNSA**  
National Nuclear Security Administration

# U.S. Department of Energy

## Savannah River Site



## SRS: A Long-Term Asset

### Rich History

- Established in 1950 to support national defense missions:
  - Produced tritium (only U.S. source) and weapons-grade plutonium
  - Over 38,000 workers at peak
  - Site covers 198,000 acres (310 square miles)

### Today

- Multi-program Site with national missions: DOE-Environmental Management (EM) and National Nuclear Security Administration (NNSA)
- Top priority: EM cleanup and risk reduction mission
- Making measurable progress in cleanup of legacy waste contamination, reduction of stored legacy waste, and closure of defense-related nuclear reactors
- Highly skilled federal and contractor workforce >13,000
- Focused Federal oversight and stewardship



# U.S. Department of Energy

## Savannah River Site



- 1950 to August 2008 – SRS was managed and operated under a single contract.
- Core Business Areas: Operations, Infrastructure, and National Laboratory
- Business model changes were necessary to
  - Gain operational efficiencies
  - Prepare SRS for the future
- DOE-SR selected a multi-contract arrangement and let these awards:
  - M&O contract to Savannah River Nuclear Solutions (SRNS)
  - Liquid Waste Contract to Savannah River Remediation (SRR)

***Safety: The business imperative for our successful transition.***

# U.S. Department of Energy

## Savannah River Site



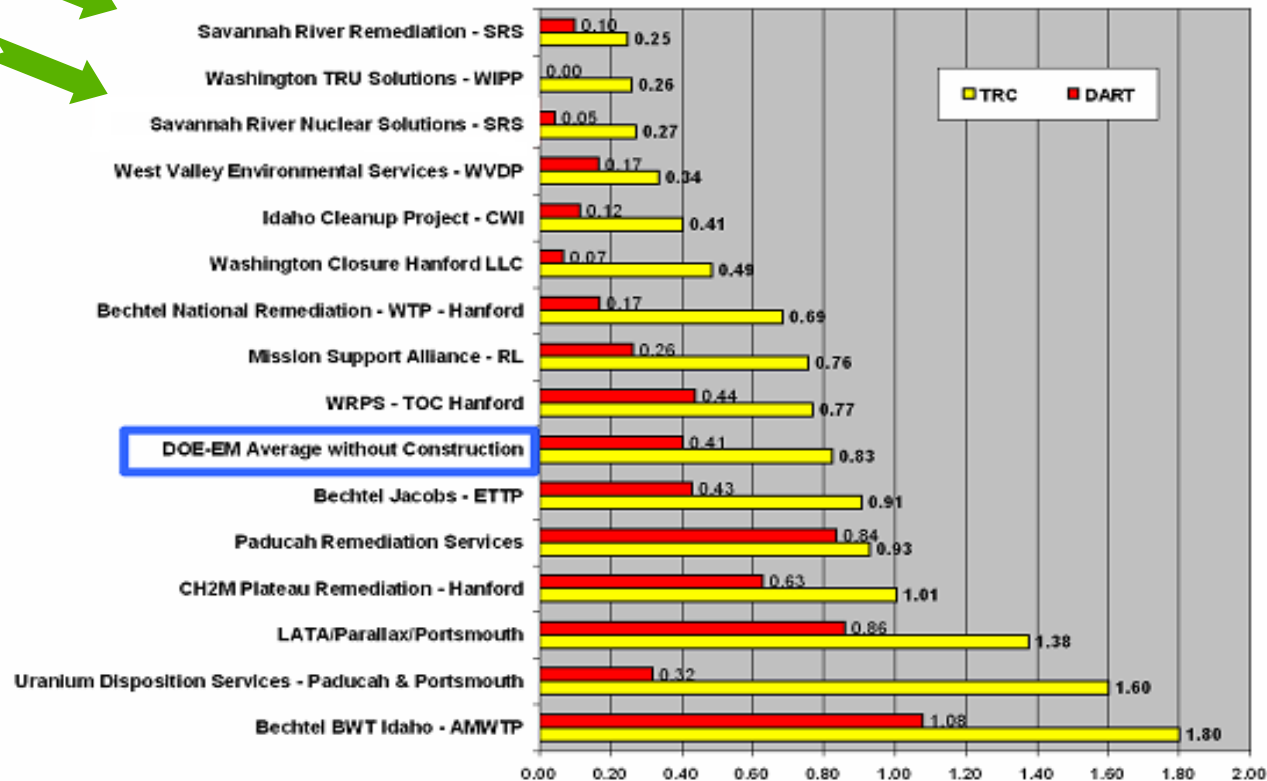
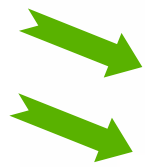
- Role of DOE-SR in the Site's Safety Performance
  - Oversight (Facility Reps, Safety System Oversight Reps, etc.)
  - ISM Reviews Per Contract Clause:
    - *DEAR 48CFR970.5223-1*
    - *DOE-SR Validated Verification:*
      - SRNS (July 29, 2009)
      - SRR (July 19, 2010)

(7) The conditions and requirements to be satisfied for operations to be initiated and conducted are established and agreed-upon by DOE and the contractor. These agreed-upon conditions and requirements are requirements of the contract and binding upon the contractor. The extent of documentation and level of authority for agreement shall be tailored to the complexity and hazards associated with the work and shall be established in a Safety Management System.



# The Proof is in Performance

DOE-EM Prime Contractor Safety Ranking  
FY 2010 - Including Service Subcontractors (Ranked by TRC Rate)  
> 600,000 hours per year





# U.S. Department of Energy

## Savannah River Site



- DOE-SR established a clear vision and expectations for safety performance.
  - Framework: Integrated Safety Management
  - Verification: Voluntary Protection Program
  - Results: Project and Operational Performance



# U.S. Department of Energy

## Savannah River Site

SRS

- DOE-SRO sponsors and participates on the ISM Integrated Council, which is comprised of major contractors from across the site.
- Major initiatives include, but are not limited to:
  - Conduct of Operations
  - ISMS and QA Declaration
  - Pandemic Influenza Response
  - Site Access Requirements
  - SRS Remote Worker Notification Policy
  - Chemical Management Center
  - Global Harmonization Standard Team
  - Subcontractor Safety Forum
  - 2010 DOE ISM Champions Workshop

You Have a Right to a Safe and Healthful Workplace

**IT'S THE LAW!**

- ✓ You have the right to notify your employer or the local Department of Energy (DOE) office about workplace hazards, without reprisal. You may ask that your name not be used.
- ✓ You have the right to participate in the activities referenced in 10 CFR 851 "Worker Safety and Health Program" on office time.
- ✓ You have the right to access copies of DOE worker protection publications, the worker safety and health program for your workplace, and the standards, controls, and procedures that apply to your workplace.
- ✓ You have the right to have access to some accident and illness recordkeeping logs and the information in records of any workplace illness or injury that you experienced.
- ✓ You have the right to observe monitoring or measuring of hazardous agents, to receive the results of your own monitoring, and be notified when monitoring results indicate an overexposure.
- ✓ You have the right to have a representative accompany the DOE's Director for Enforcement or the Director's authorized personnel during the inspection of your workplace.
- ✓ You have the right to request and receive results of inspections and accident investigations.
- ✓ You have the right to decline to perform an assigned task because of your reasonable belief that, under the circumstances, the task poses an imminent risk of death or serious physical harm to you, coupled with your reasonable belief that there is insufficient time to seek effective redress through the normal hazard reporting and abatement procedures.
- ✓ Your employer must post this notice in your workplace.



10e 10 CFR 851 requires DOE contractors to provide their workers with a safe and healthful workplace. To obtain more information about these requirements and your rights, look online or elsewhere, or report an emergency contact your supervisor, your local DOE office, or the DOE Office of Health, Safety and Security (HSS) (www.doe.gov). Additional inquiries or concerns may be addressed to the Employee Concerns Manager at the local DOE office at 202-546-1000, 1-800-452-6042, or by email to [ecm@doe.gov](mailto:ecm@doe.gov).



# DOE 2010 ISM Champions Workshop

 pathways to  
new missions  
DOE 2010 ISM CHAMPIONS WORKSHOP



- Date: September 13-16
- Location: Augusta, Georgia
- Attendees: >1,000 — *A DOE Complex-wide Record*
- Vendors: Sold Out Venue
- Success Factors:
  - Appointed a single, responsible person
  - Dedicated a project team
  - Developed and implemented a resource loaded schedule and budget
  - Followed project management principles



# U.S. Department of Energy

## Savannah River Site



- VPP Performance Measures:

- Management Leadership
- Employee Involvement
- Worksite Analysis
- Hazard Prevention and Control
- Safety and Health Training



- Results:

- SRNS—STAR and Legacy of Stars (Recertified May 2010)
- SRR—STAR and Legacy of Stars (Recert February 2011)
- Parsons—Preparing application for DOE VPP Star Status

# U.S. Department of Energy

## Savannah River Site



- Results:
  - **Operations** – 100 percent on time transuranic waste shipments and poured more than 11.7 million pounds of glassified waste.
  - **Infrastructure** – ARRA Projects on schedule, on budget.
  - **Laboratory** – Innovations significantly reduce costs, e.g., filter design for waste treatment and robotic tools in first-ever retrieval of cooling coil samples from waste tanks.

*...All while achieving unprecedented safety records.*