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

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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
• 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.
• 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)
The Proof is in Performance
• DOE-SR established a clear vision and expectations for safety performance.
  – Framework: Integrated Safety Management
  – Verification: Voluntary Protection Program
  – Results: Project and Operational Performance
• 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
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
• 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
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.