Savannah River
Nuclear Solutions, LLC
A Fluor Daniel Partnership

Emerging Issues With U.S. DOE Prime Contractors

Garry Flowers

President and CEO
Savannah River Nuclear Solutions, LLC

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Approaching Today's Topic

Issues facing Savannah River Site

- **Footprint reduction**
- **An aging workforce**
- **Strategic investments**
- **Improved safety performance**
- **Managing and sustaining growth**

SRNS Goals

Three main focus areas

- **Safely perform against our current mission to meet and exceed the expectations of DOE**
  - Baseline level of effort
  - High quality work on-time and within budget
- **Manage footprint reduction goals within expectations**
  - Excellent stewards of the $1.4 billion of Recovery Act funding
  - Provide local jobs and stimulate the local economy
- **Prepare SRS for a sustainable future**
  - Clarify the vision
  - Build the roadmap

The Savannah River Site

- **About 310 square miles**
  - Fourth largest DOE site in the United States (behind Nevada Test Site, Idaho National Laboratory and Hanford Site)
  - About the size of the District of Columbia
- **SRS workforce: Approximately 11,000**
  - Prime contractor (about 55 percent)
  - DOE-SR and DOE-NNSA
  - Other contractors
- **Main customers**
  - DOE-EM
  - NNSA-DP
  - NNSA-NN
  - States of South Carolina and Georgia

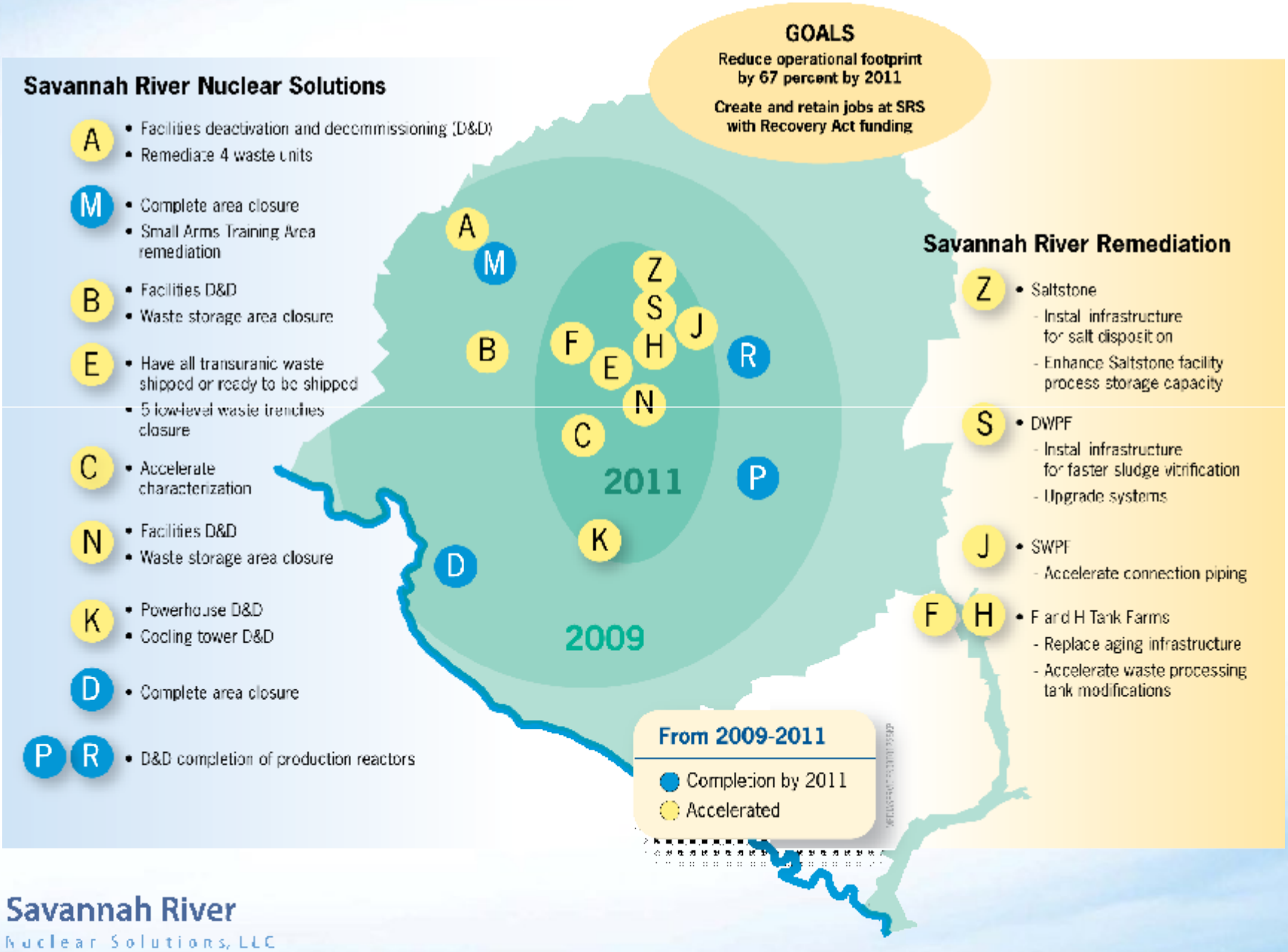
SRS Value Streams

Unparalleled anywhere

- **Nuclear reprocessing and/or packaging for disposal**
- **Nuclear material storage**
- **Tritium excellence**
- **SRNL – applied science**
- **Cleanup progress, techniques, and experience**

- **Enabled by:**
  - Geography and geology
  - Experienced workforce
  - Proven procedures and culture
  - Unique facilities
  - Involved and progressive stakeholders
  - Congressional support
  - Entrenched nuclear culture

SRS Footprint Reduction Initiative



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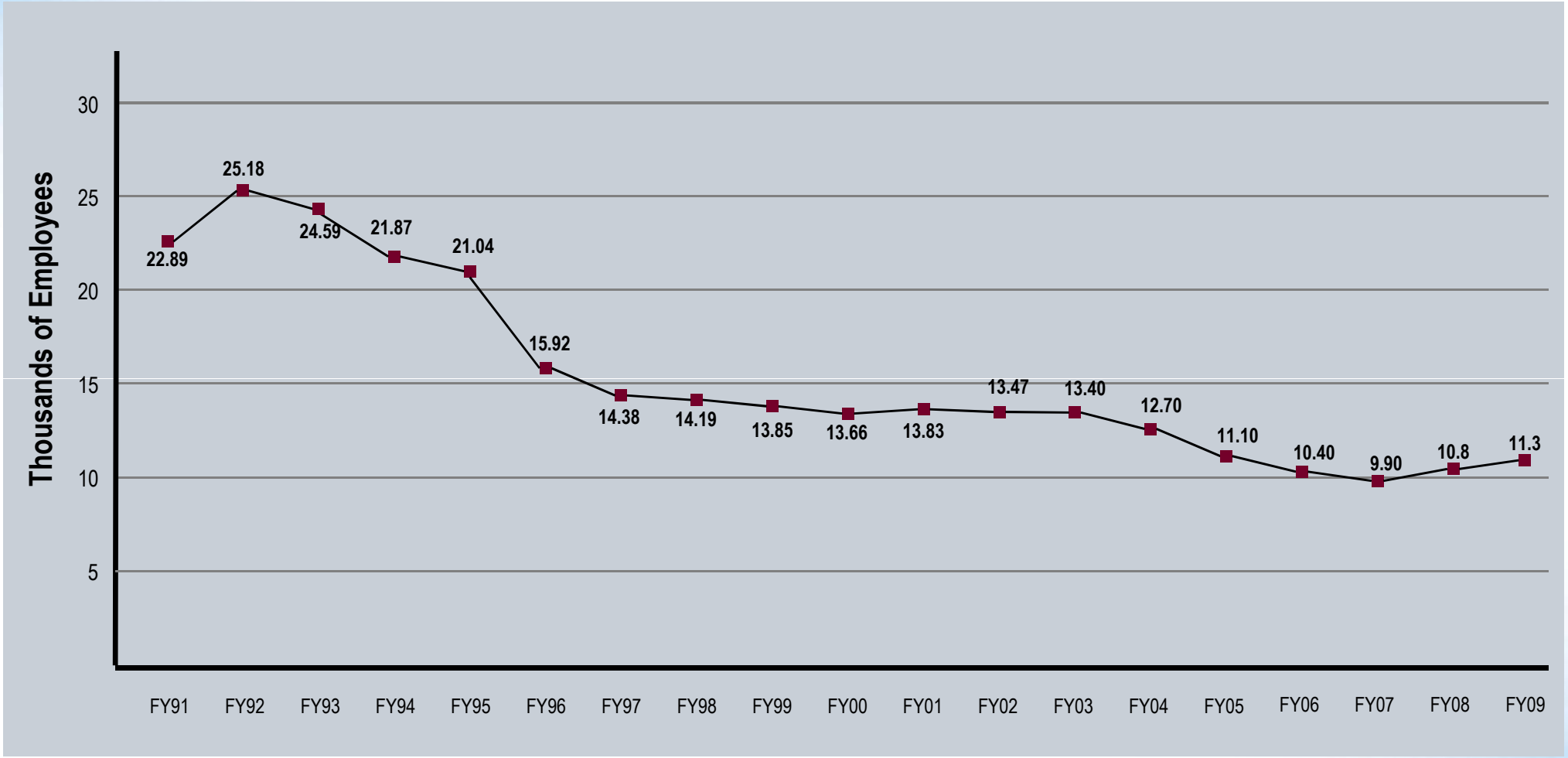
Legacy TRU Waste Disposition

Inventory to be disposed at Waste Isolation Pilot Project

- (By September 30, 2011 – 4,350 m3 of contact-handled (CH-TRU)
- 150 m3 of remote-handled (RH-TRU) – 4,500 m3 total
- Additional 700 m3 of RH-TRU by mid-FY12

SRS Tru shipment using TRUPAC-II containers

SRS Employment



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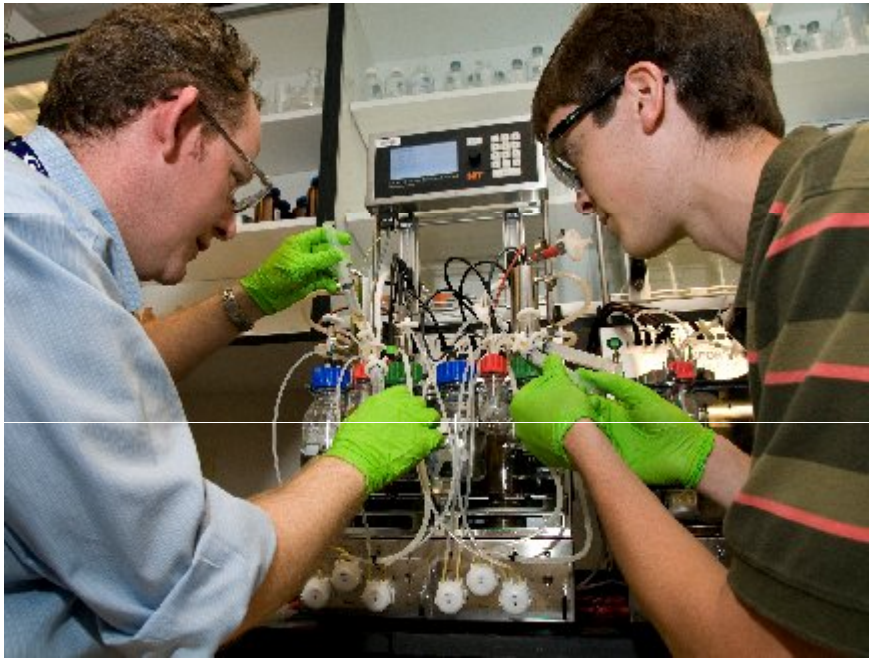
An Aging Workforce

Securing a next-generation workforce

- **Invaluable knowledge in the minds of the workers**
- **Average age of SRS workforce: 49**
  - Next 3-5 years a significant number of employees retirement eligible
- **Challenges**
  - Preserve the knowledge and experience that makes SRS unique
  - Selectively hire the talent that will secure SRS's future in the DOE complex

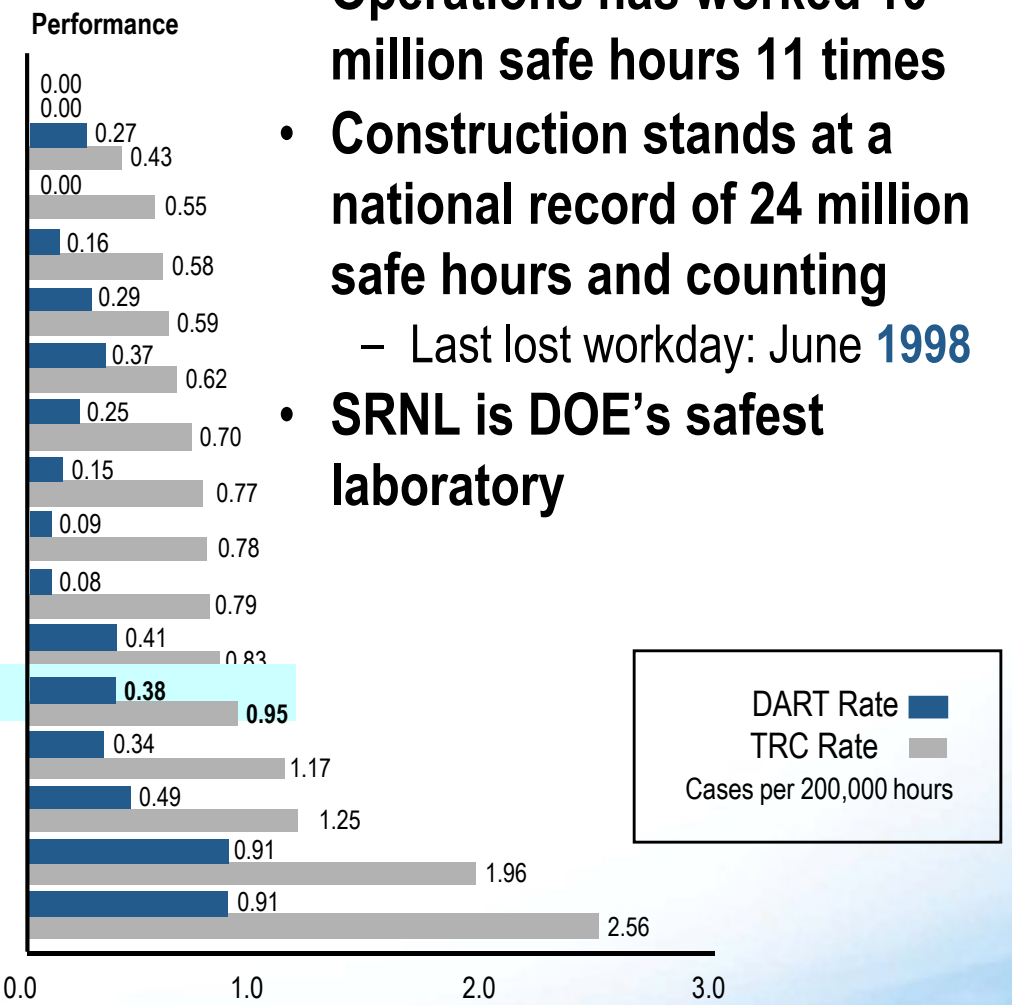


Strategic Investments

- **Benefits**
  - Reduction of life cycle costs for EM/NNSA
  - Stabilize work force for next 5 years
  - Further accelerated footprint and risk reduction
    - Site real estate available for other uses
    - Reduced risk to environment, public and site worker
  - Much needed investment in infrastructure (site and facilities)
  - Supports SRNL growth initiatives
  - Positions the site for future missions/ownership

Safety Performance

Company	Contract	Workforce
West Valley Environmental Services	WVDP	279
Savannah River Remediation	SRS LWO	1867
Uranium Disposition Services	Paducah	199
Savannah River Nuclear Solutions	SRS M&O	5894
Washington TRU Solutions	WIPP	1002
Bechtel BWXT Idaho	AMWTP	760
Fluor Hanford	PHMC	1503
Washington River Protection Solutions	TOC Hanford	1223
Washington Closure Hanford	RCCP	1124
CH2M WG Idaho CWI	ICP	1181
LATA/Parallax/Portsmouth	Portsmouth	222
DOE Complex Average		
Bechtel National Remediation	WTP Hanford	2959
CH2M Hanford	Plateau Remediation	1707
Bechtel Jacobs	ETTP	1899
Paducah Remediation Services	Paducah Remediation	488



- **Operations has worked 10 million safe hours 11 times**
- **Construction stands at a national record of 24 million safe hours and counting**
  - Last lost workday: June **1998**
- **SRNL is DOE's safest laboratory**

FY09 Complex Wide EM Safety Performance

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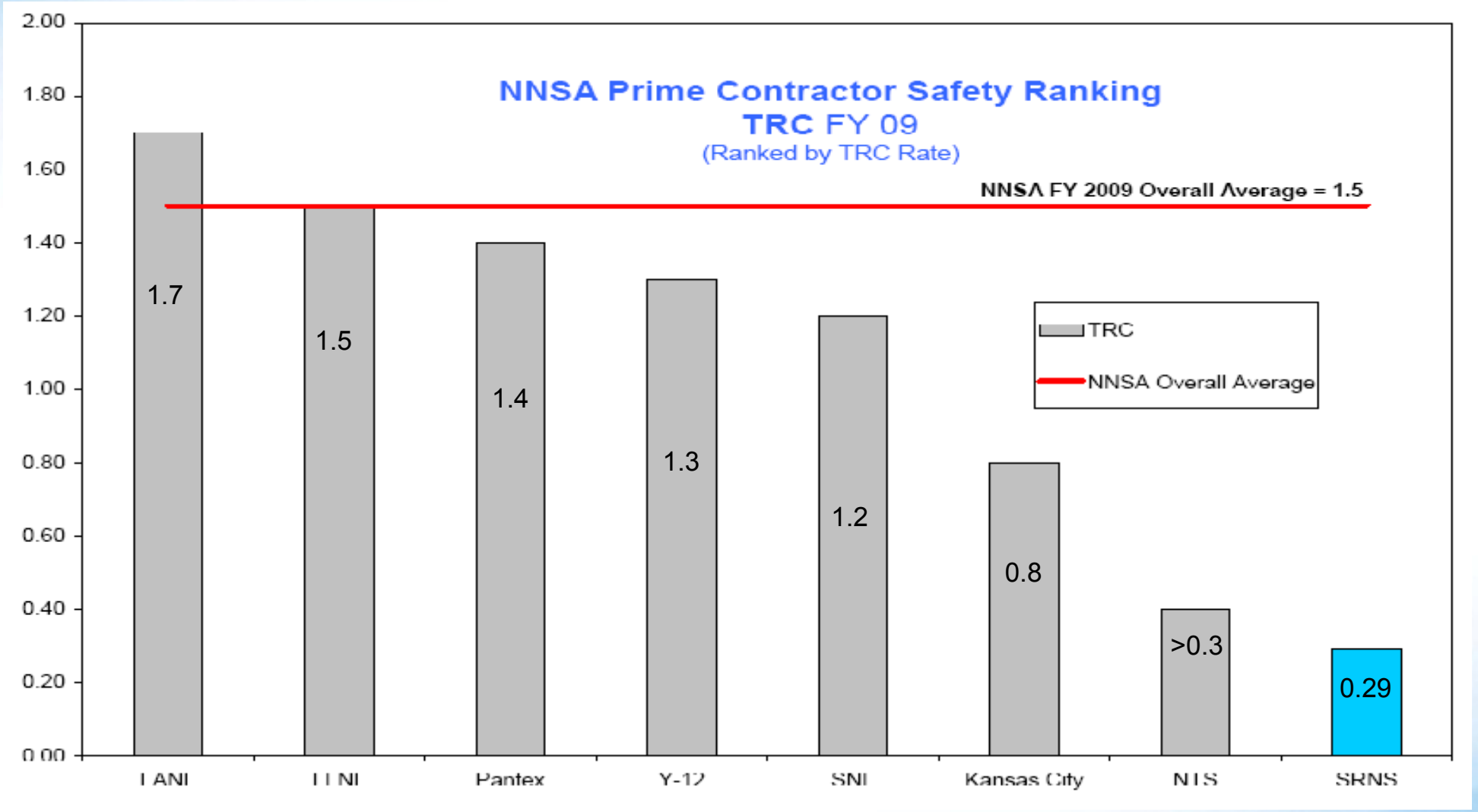
FY: Fiscal Year; SRNL: Savannah River National Laboratory; TRC: Total Recordable Case; DART: Days Away, Restricted or Transferred; DOE: Department of Energy

NNSA Nuclear Safety Enterprise
Complex-Wide Safety Performance FY 2009



Outcomes

Sustainable future

- **Disciplined Execution**
  - Safe, secure and effective operations to deliver Site products
- **Efficiency**
  - Continuous improvement for mature, modern business and management processes to produce efficient Site
- **Enduring Relationships**
  - With DOE/NNSA and with stakeholders
  - Compliance, improvement, responsiveness

Products

- Nuclear materials
  - Reuse
  - Temporarily store
  - Package, ship, dispose
  - Reform – nonproliferation
- Environmental risk reduction
- Reduced and reused site active footprint
- Applied science from SRNL
- Energy Park, Centers of Excellence