



Savannah River
Nuclear Solutions, LLC
A Fluor Daniel Partnership



Savannah River
Remediation

Reaping Rewards with ISM



Barbara Guenveur, SRNS

Glenn Bishop, SRR

September 16, 2010



Bios

Barbara Guenveur, Safety Programs, SRNS - Ms. Guenveur, employed at SRS for 26 years, is experienced with Quality Control/Quality Assurance Programs, Safety Professional and most recently VPP Program Manager. Ms. Guenveur is certified as a Special Government Employee (SGE) and has served in several capacities, including chairperson and member of the SRS VPP Core Team for 13 years.

Glenn Bishop, Training, SRR - Mr. Bishop, employed at SRS for 22 years, is an experienced Maintenance Mechanic/Machinist and Operations Training Instructor. Mr. Bishop is currently serving as Training Lead for F Tank Farm and ETP Operations Training. Mr. Bishop has been a member of the SRS VPP Core Team for 12 years.



Purpose

This presentation highlights the approach and essential factors utilized by the Savannah River Site to stay the course with Integrated Safety Management and maintain an excellent safety culture during and after contract transitions.





New SRS Contractors

As a result of contract change two new contractors (SRNS & SRR) were required to conduct ISMS Verification as well as VPP Recertification.

Primary or Driving Requirement

- Conduct a Phase II (Implementation) Verification of Integrated Safety Management System (ISMS)

Other Requirements

- Assessment of Voluntary Protection Program (VPP) Criteria to prepare for Recertification of DOE-HQ STAR status

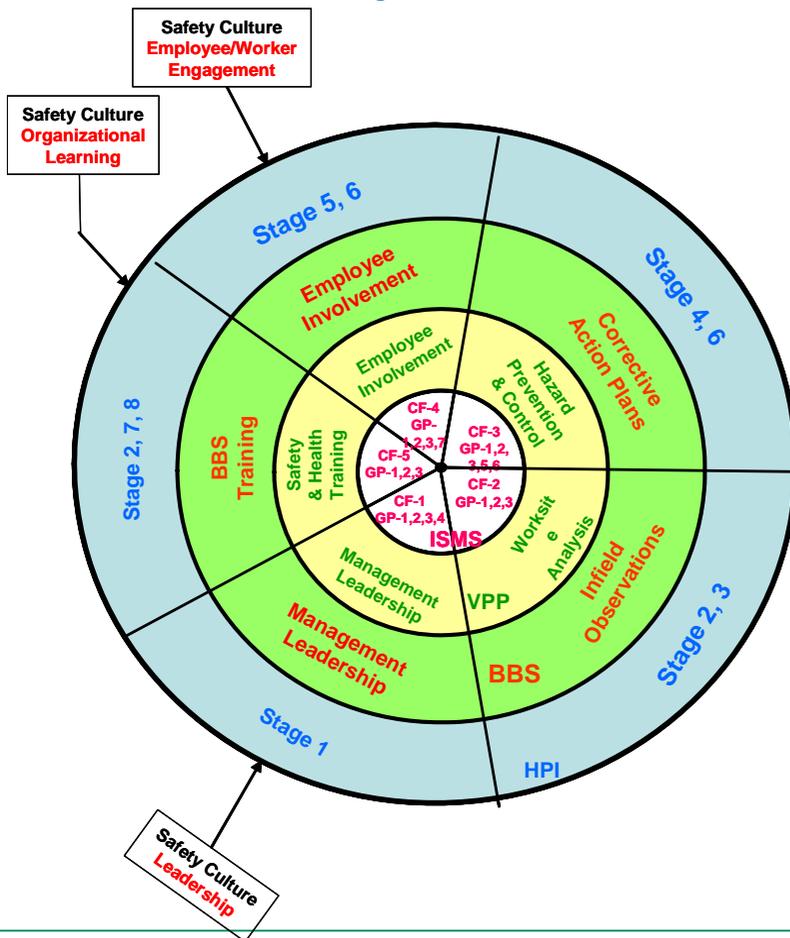


Approach to ISM Verification

- Utilized ISM LOIs developed for **Criteria and Review Approach Document (CRADs)** as base reference for integrating VPP LOIs during ISMS Verification process.
- Developed relationship of ISM Core Functions and Guiding Principles to the Tenets of VPP, the Stages of HPI, the Principles of BBS, and Attributes of the Safety Culture Task
- Developed cross-walk between ISMS Verification LOIs and specific criteria or lines of inquiry for VPP, HPI, BBS and Safety Culture Task - by Subject Matter Experts (SMEs)



Safety Initiative Relationships



ISMS

Core Functions:

1. Define Scope of Work
2. Analyze Hazards
3. Develop and Implement Controls
4. Confirm Readiness / Perform Work
5. Feedback and Continuous Improvement

Guiding Principles:

1. Line Management Responsibility for Safety
2. Clear Roles and Responsibilities
3. Competence Commensurate with Responsibilities
4. Balanced Priorities
5. Identification of Safety Standards and Requirements
6. Hazard Controls Tailored to Work Being Performed
7. Operations Authorization

Relationships Between ISMS, VPP, BBS and HPI

HPI

- Stage 1:** Obtain senior management commitment
- Stage 2:** Establish oversight committee
- Stage 3:** Identify the gaps to excellence
- Stage 4:** Develop a human performance improvement plan
- Stage 5:** Communicate with and engage stakeholders
- Stage 6:** Implement human performance strategy and associated improvement plan
- Stage 7:** Evaluate the effectiveness of human performance improvement plan
- Stage 8:** Maintain the right picture of excellence in Human performance



VPP Gap Analysis

Microsoft Excel - RobinsGapAnalysis									
Mission and Policy Statements									
Element		Stage I	STATUS	COMMENTS	Create Action Plan		STATUS	Update Gap Analysis	
Element		Stage I			Stage II			COMMENTS	
62	Investigation of Accidents	Investigate Accidents and Maintain Written Reports of the Investigations. Develop a written process or procedure for investigating accidents and mishaps at the site.	Completed		Investigate Accidents and Maintain Written Reports of the Investigations. Investigations should be conducted by trained personnel and: a) Document the entire sequence of relevant events, b) Identify all contributing factors, c) Determine whether the safety and health management system was effective, d) Recommend actions to prevent recurrence, e) Are prioritized, f) Assign timeframes and responsibility for implementing recommended controls.		In Progress	Enhance the root cause analysis of accidents to prevent recurrence.	Develop a data and identify the site to identify
63	Investigation of Accidents and Near-Misses	No Actions Required			Begin investigating near-misses, following the same guidelines as established in the site's accident investigation policy or procedure		No Action Taken	Begin investigating near-misses, following the same guidelines established for accident investigations	No Actions
64	Investigation of Accidents and Near-Misses	No Actions Required			Continue making findings and corrective actions available to employees on request (although actual investigation records need not be provided).		No Action Taken	Make findings and corrective actions available to employees.	No Actions
65	7. Trend Analysis - Required Actions								
66	Element		Stage I		Stage II				
67	Trend Analysis	Conduct a trend analysis of previous three complete calendar years' injury and illness history, based on a thorough review of OSHA 200/300 logs, workers compensation claim forms, and accident reports.	In Progress	Conduct a trend analysis of previous three complete calendar years' injury and illness	Conduct a trend analysis of injury and illness history annually.		No Action Taken	Conduct another trend analysis of injury and illness history when a year has gone by since the initial trend analysis	Take proactive trend analysis place regular scheduled information to address



Sample of LOI Cross-walk

Name:	Title: Facility Manager	Additional Applicability*
11 (MG.2.Int-1) What is your role within the facility or activity to ensure that safety is maintained at all levels?		VPP-12, 15, 26, 209 HPI- BBS- SC-
12 (MG.2.1) What mechanisms/procedures are in place to define clear roles and responsibilities within the facility or activity to ensure that safety is maintained at all levels? (If not already provided, obtain copy)		VPP-25, 29
13 (MG.2.2) What facility or activity procedures specify that line management is responsible for safety? (If not already provided, obtain copy)		VPP-28a, 28b
14 (MG.2.3) What mechanisms/procedures are in place that ensure that personnel who supervise work have competence commensurate with their responsibilities? (If not already provided, obtain copy)		VPP-208, 211, 212, 217
15 (MG.2.4) What mechanisms/procedures are in place that ensure that personnel performing work are competent to safely perform their work assignments? (If not already provided, obtain copy)		VPP-218, 219, 223, 226
16 (SME.1.2(b)) How is Quality Assurance effectively integrated with line support managers to ensure that line managers are responsible for safety?		



VPP Core Team

The ISM Phase 1 and Phase 2 Verification CRAD Teams were assisted by the VPP Core Team.

- The VPP Core Team members 'shadowed' the ISMS Verification Team to verify the VPP LOIs were adequately addressed.
- Attended daily outbriefs.



ISMS Verification Report

Utilized the final ISMS Verification report to determine VPP Opportunities For Improvement (OFI).

Assisted in developing the project execution plan for VPP Recertification

- VPP roadshows
- HSE Blitz & Expo
- Senior management preparation



Reaping the Rewards through ISM

SRS Rewards:

- elimination of duplicate assessment
- successful ISMS Verification
- successful VPP Recertification
- strengthened employee engagement by utilizing cross-company/cross-functional employees

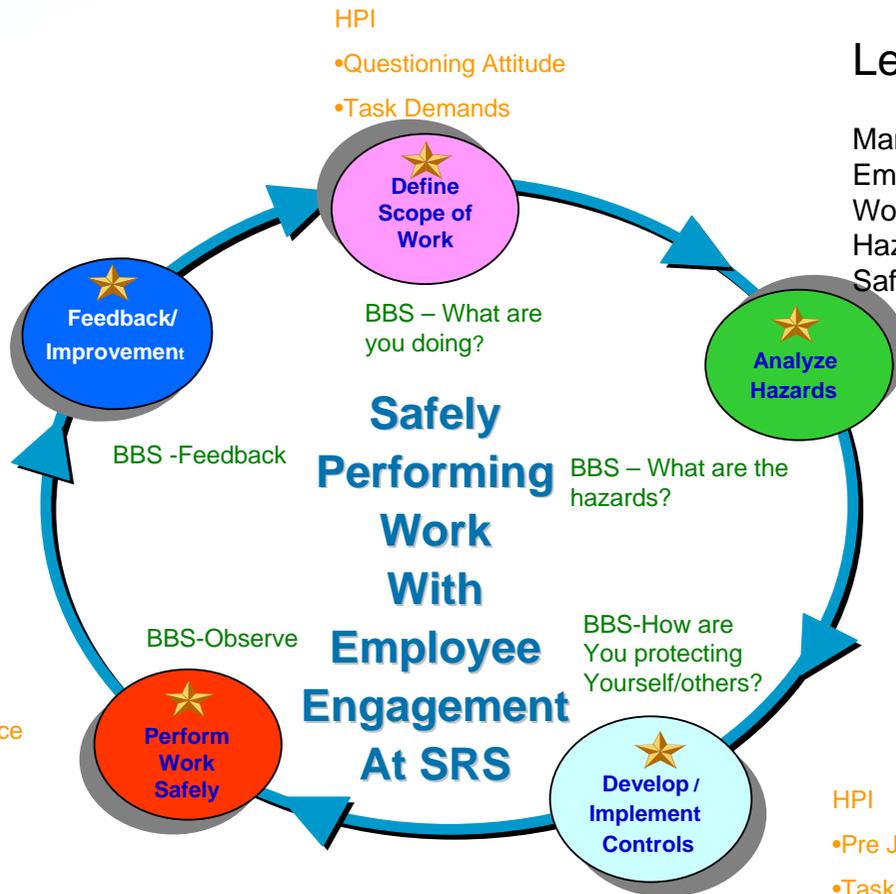


Reaping the Rewards through ISM

ISMS Culture

Leads to VPP Recognition

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





Savannah River
Nuclear Solutions, LLC
A Fluor Daniel Partnership



Savannah River
Remediation





Reaping the Rewards through ISM

- Strong safety culture
- Strong caring work ethic among workers
- Strong employee engagement
- LSITs, BBS Observations
- IDEAS Program (safety improvement suggestions)
- SRS one of the safest sites in the country (not just DOE)
- People talked to were well qualified and knowledgeable
- Compliment ARRA on new hire (safety) process
- Scorecard System a positive
- Achieved significant improvement in hazard analysis
- Culture dedicated to continuous improvement