
Integrated Safety Management
and
Environment, Safety and Health
Upgrade & Enhancement Efforts

Director's Safety Council Briefing

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Presentation Outline

- Background
- DOE Assessment
- Director's Safety Council Role
- Initial Observations
- Recent Activities
- Current / Future Activities
- Program Timeline
- Feedback / Questions



Background

- Contractual Requirements
 - 63 specific ES&H requirements incorporated into operating contract (compliance and performance measurement and reporting)
 - DEAR Clauses
 - 970.5204-2 Laws, Regulations and DOE Directives
 - 970.5223-1 Integration of Environmental Safety and Health Into Work Planning and Execution
- DOE Policy 450.4 (1996) Safety Management System Policy
 - Describes the components of a Safety Management System (SMS) that will be implemented from DOE HQ down to every day work elements.
- DOE Policy 450.5 (1997) Line Environment, Safety and Health
 - Describes the components of a self-assessment program, linked to the SMS, focusing on continuous feedback and improvement.
- DOE Policy 226.1 (2005) Department of Energy Oversight Policy
 - Describes the components of an oversight system that ensures compliance, identifies and corrects deficiencies, and tracks corrective actions associated with Integrated Safety Management Systems.
- Other key ES&H requirements like 10CFR 851 (Worker Safety and Health), 10 CFR 830 (Nuclear Safety Management), 10 CFR 835 (Radiation Protection for Occupational Workers), 29 CFR 1910 (Occupational Safety and Health Standards), etc.

An Integrated Safety Management System (ISMS), integrates environment, safety and health into management and work practices at all levels.



Background (cont)

- JLab is preparing for a DOE Office of Independent Oversight (HS-64) assessment of ES&H programs in June 2008. This is anticipated to include a detailed review and validation of JLab ISMS program.
- JLab ES&H program contains many robust elements and a sound safety culture but upgrades and enhancements will be required to be implemented prior to the DOE assessment.
- Preparation will identify and address any remaining program gaps.
- Preparation will organize and prepare ES&H related materials to tell our story to HS-64.



Assessment Focus

- Assessment Team will:
 - Conduct interviews
 - Review documentation including the operating contract, policies, program descriptions, and procedures
 - Evaluate the state of implementation of the ES&H infrastructure
 - Observe work evolutions and operations



Assessment Focus (cont)

DOE P 450.4 describes 7 “Guiding Principles” of the SMS:

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*



Assessment Focus (cont)

DOE P 450.4 describes 5 "Core Functions" of the SMS:

1. *Define the SOW*
2. *Analyze the Hazards*
3. *Develop and Implement Hazard Controls*
4. *Perform Work within Controls*
5. *Feedback and Continuous Improvement*

DSC Role

Champion our Preparation efforts and Help Us Overcome Implementation Challenges Through:

- Support and Communication of efforts and progress throughout the lab
- Independent validation of improvement efforts
- Feedback on perceptions (“Adds paper, not safety”)
- Determining the right balance between rigor and implementability

Specific roles & responsibilities are outlined in Project Plan



Observations

- Noteworthy Items:
 - Excellent safety record
 - Annual Work Planning activities prioritize safety
 - Demonstrated ownership of safety responsibility (Hall Coordinators)
- Opportunities for Improvement:
 - Familiarity and understanding of the DOE nomenclature and ISMS Program Description
 - Uniformity of work planning/authorization/control
 - Self-assessment process
 - Training tools and record keeping

Recent Activities

Since our last brief, we have:

- Continued to interview staff from various organizations and at various levels to better understand JLab ES&H programs.
- Reviewed the policies, procedures, manuals and electronic resources we use to plan and execute safe work.
- Observed various work efforts.
- Prepared a program plan (draft) with various findings and recommendations.
- Solicited input from the Line organizations on “How JLab gets work done”.
- Began to prepare the next revisions of the ISMS Program Description.



Current/Future Activities

- Finalize ISMS Program Description and other supporting documentation
- Anticipate audit questions, summarize JLAB processes and approaches in response to questions, review with staff
- Draft/revise procedures to address gaps
- Facilitate closeout of CATS items
- Create webpage content



Project Timeline

Major milestones include:

- 30 November – Finalize ISMS Program Description
- 15 December – Distribute draft CRAD evaluation
- 28 December – Roll-out final ISMS webpage content
- 31 March – Complete any procedure upgrades
- 30 May – “Ghost” HS-64 team and hot buttons
- 30 May – Complete all training and mock interviews

Summary

- JLab ES&H program elements are in place and implementation is improving
- Challenges exist, and are not unique to JLab
- Overcoming these challenges will ensure that good science remains the priority
- We need the help of the DSC
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Feedback/Questions?

