

## **CSSG TASKING 2011-06**

Date Issued: December 09, 2011

### **Task Title:**

Focused Criticality Safety Review at LANL Plutonium Facility (PF-4)

### **Task Statement:**

The NNSA Los Alamos Site Office (LASO) requests that the CSSG perform a focused criticality safety program review of the LANL plutonium facility (PF-4) emphasizing conduct of operations and management practices. Specifically, the review will focus on the following ANSI/ANS - 8.19, Administrative Practices for Nuclear Criticality Safety, areas:

- Chapter 4, Management responsibilities,
- Chapter 5 – Supervisory responsibilities,
- Chapter 7 – Operating procedures,
- Chapter 8 – Materials Control,
- Any other areas as deemed appropriate by the assessment team.

DOE-STD-1158 will be used to support lines of inquiry in these subject areas.

The team will also perform a limited scope review LASO NCS oversight using a graded approach focusing on the LASO response to recent criticality safety events in PF-4. Lines of inquiry for the LASO NCS oversight program will be drawn from those published in the 1999 NCS Self-Improvement Workshop Handbook (“Your Mission and Nuclear Criticality Safety,” Self-Improvement Workshop, August 3-4, 1999, Las Vegas, Nevada).

The report will be provided to the LASO Site Manager upon completion and approval by the DOE Nuclear Criticality Safety Program (NCSP) Manager. The report will contain both findings and opportunities for improvement if weaknesses in the NCS program are found. The team will provide practicable recommendations for corrective actions for all weaknesses discovered by the team.

### **Period of Performance:**

The on-site review and evaluation is scheduled for the week of February 27, 2012. The team will perform document reviews ahead of the on-site portion of the review and some document review and report writing after.

## **Resources:**

Funding for the contractor CSSG members to cover travel and effort expenses will be allocated from the FY12 NCSP support funding. Any DOE member of the team will provide funding from his site office.

CSSG Tasking 2011-06 Subgroup Review Team and ad hoc Members:

- Team Leader: Dr. Jerry N. McKamy, NA-162, DOE NCSP Manager, Emeritus Member of the CSSG
- CSSG Members: David Erickson (SRNS), Dr. Bob Wilson (EM), Mr. Davis Reed (ORNL), Mr. Fitz Trumble (WSMS)
- Ad hoc Review Team Members include: Ms. Jill McLaughlin, NA-172 and Ms. Gladys Udentia, NA-162

Member Assignments

- ANS/ANSI-8.19 Chapters 4 & 5: Wilson and Trumble
- ANS/ANSI-8.19 Chapters 7 & 8: Erickson and Reed
- LASO: Udentia and McLaughlin

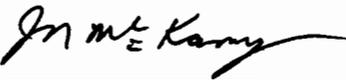
## **Task Deliverables:**

- Two pre-visit teleconferences with LASO and LANL as appropriate
- Daily outbriefs to LASO and LANL during the conduct of the on-site portion of the review
- Exit briefing to LASO and LANL
- Formal report of the assessment forwarded to the DOE NCSP Manager who will review and transmit the final report to LASO

## **Task Due:**

Final report to be delivered to the LASO Site Manager by March 30, 2012

## **Approved:**

 12/7/2011

Dr. Jerry N. McKamy, NA-162  
DOE NCSP Manager

## **Initially Needed LASO and LANL Supplied Support Information**

Policies & Procedures stating Ops Management and Supervisory Management roles, responsibilities and activities insofar as implementing NCS

Materials control procedures

Operating procedures for the affected areas

Procedures for procedures showing how NCS gets involved in MC&A, materials control, MAR, Operating Procedures, Configuration Management, etc.

All documentation related to the incidents showing who knew what when and what was done – both at LANL and LASO

Criticality safety committee charter and reports

LASO NCS oversight program documentation and plans