

HSS Independent Activity Report - Rev. 0**Report Number:** HIAR-SNL-2012-05-02**Site:** Sandia National Laboratories**Subject:** Office of Enforcement and Oversight's Office of Safety and Emergency Management Evaluations Activity Report for the Site Visit to the Sandia National Laboratories**Dates of Activity :** 04/29/2012 - 05/02/2012**Report Preparer:** William Macon**Activity Description/Purpose:**

The purpose of the Office of Health, Safety and Security (HSS) site visit activity at the Sandia National Laboratories (SNL) and the Sandia Site Office (SSO), Albuquerque, NM, was to conduct an orientation visit on April 29, 2012, for the HSS site lead, and to shadow a portion of a National Nuclear Security Administration (NNSA) review during May 1-2, 2012, at SNL of the weapon design agencies (DAs') processes for proper implementation of DOE-NA-STD-3016-2006, *Hazard Analysis Reports for Nuclear Explosive Operations*. The orientation visit served to increase the new site lead's operational awareness of SNL activities at Technical Area V, and to discuss recent Defense Nuclear Facilities Safety Board (DNFSB) concerns about the Annular Core Research Reactor (ACRR) facility regarding its safety analysis and software quality assurance. The NNSA integrated assessment of STD-3016 was in response to DNFSB concerns regarding the weapons response information that the Pantex Plant needs in order to develop the safety bases and controls for its nuclear explosive operations.

Result:

SSO Facility Representatives and SNL personnel provided Independent Oversight a tour of the nonreactor nuclear facilities: ACRR, Auxiliary Hot Cell Facility, Gamma Irradiation Facility, and the Sandia Pulsed Reactor/Critical Experiments. The tour gave the site lead the opportunity to interact with senior staff and to better understand ACRR issues. The tour also provided useful insights about site status and activities that will facilitate HSS efforts to plan future oversight activities.

Independent Oversight attended SNL's introductory briefing for the NNSA integrated assessment and observed the assessment team's interactions with SNL personnel regarding DA processes for implementing STD-3016, as well as reviewing some specific weapons response documentation for B53. Overall, in the review activities observed by HSS, NNSA appropriately followed its assessment plan.

HSS Participants

1 (lead). William Macon

ReferencesWere there any items for HSS follow up? Yes No**HSS Follow Up Items**

1. Independent Oversight will continue to monitor, as an operational awareness activity, SNL's responses and corrective actions to the DNFSB concerns, and shadow a planned SSO software quality assurance assessment in 4th quarter, 2012.
2. Independent Oversight will continue to monitor, as an operational awareness activity, the NNSA integrated assessment of STD-3016 as subsequent reviews are conducted at Los Alamos National Laboratories and Lawrence Livermore National Laboratories.