

DEFENSE NUCLEAR FACILITIES SAFETY BOARD

April 7, 2000

MEMORANDUM FOR: J. K. Fortenberry, Technical Director

FROM: T. Dwyer and H. Waugh, Pantex Site Representatives

SUBJECT: Pantex Plant Activity Report for Week Ending April 7, 2000

DNFSB Activity Summary: H. Waugh was on site all week. T. Dwyer was on leave on Monday, and on site Tuesday-Friday. D. Burnfield was on site Tuesday-Friday for the ISMSV.

Integrated Safety Management System (ISMS) Verification Relook: This week, a DOE team evaluated the ISMS description, and the implementing manuals and codes of practice for the Pantex Plant, as part of a planned 2-week relook. [The original ISMS Verification took place in August-September 1998.] The team appears to be adequately addressing the major issues associated with sitewide ISMS documentation. Those major issues being developed include:

1. The full scope of Pantex Plant activities is not addressed in the system description.
 2. The terminology used in the system description is inconsistent with adopted standards/requirements (e.g., hazards, hazard categories).
 3. The various types of hazard analyses require better integration, including defining "clear roles and responsibilities," and clarifying the definition of "line management."
 4. The consistency/flow down of processes/responsibilities in the system description, as well as among the various implementing manuals (e.g., plant standards), requires improvement.
 5. There are gaps and inconsistencies in the requirements passed down through the S/RIDs.
 6. Some implementing manuals (e.g., plant standards, procedures) lacked the necessary details.
- The potential contractor change is also of concern -- it may require repeating this review.^[III.A]

Pit Issues: On Tuesday, AAO conducted their final walkdown of the relocated repackaging line [originally located in Building 12-99], countersigned the readiness checklists (PX-3322As), and approved the revision to the Master Authorization Agreement. By Thursday, the relocated repackaging line was in full operation. Shut down of the original Building 12-64 repackaging line has been delayed to allow M&H to establish a nominal 2-line, 2-shift throughput rate. The original line will still have to be shut down for ~1 week for vacuum systems upgrades at some point, but M&H expects to achieve sustained 2-line, 2-shift operations for the entire month of May. Throughput this week was 22 [a significant improvement], for a total of 572.^[III.A]

Lightning Issues: M&H has delivered the Lightning BIO and associated TSR/ABCD changes to AAO for review. AAO will try to complete their review in preparation for signature by the AAO Manager on Wednesday, April 12th. M&H has also submitted the required *Lightning BIO Controls Implementation Plan*. Per this plan, all lightning-related controls are to be formally implemented by May 11th, with a contractor review (essentially a Readiness Assessment) occurring May 11th-18th, and an AAO review commencing May 26th.^[III.A]

Groundwater Issues: On Thursday, DOE publicly released 2 interim reports to the Secretary of Energy regarding reviews triggered by the trichloroethylene (TCE) contamination discovered in the Ogallala Aquifer. Copies of the Office of Environmental Management (EM) report, *Protecting the Ogallala Aquifer*, and the Office of Environment, Safety, and Health (EH) report, *Pantex Ground Water Monitoring and Reporting Program Review*, have been obtained and forwarded to the Board's staff. Interestingly, the EH report identifies clear ISMS deficiencies associated with the site's groundwater management and reporting activities.^[I.B]