

DEFENSE NUCLEAR FACILITIES SAFETY BOARD

August 3, 2001

TO: J. Kent Fortenberry, Technical Director
FROM: Paul F. Gubanc, Oak Ridge Site Representative
SUBJ: Activity Report for Week Ending August 3, 2001

Staff members Andrews, Bamdad, Duncan, Haubelt, and Helfrich and Outside Expert West, visited Y-12 this week to review the development of Enriched Uranium Operations (EUO) Hydrogen Fluoride Supply System (HFSS) safety documentation. Staff members Bamdad and Massie visited ORNL to review issues stemming from the DOE ORR of Building 3019. Staff member Duncan accompanied the Site Rep in the performance of his duties this week.

A. ORNL Building 3019: On July 31, DOE issued its final ORR report for Phase-1 of the U-233 inspection program. The staff met with DOE and its contractors to discuss the ORR findings, especially regarding Building 3019 SAR/TSR and equipment reliability issues.

- The only change between the draft and final ORR reports was amending the recommendation to 1) elevate closure of the five pre-starts concerning the Building 3019 SAR/TSR from the DOE-ORO ORNL Site Office to the Deputy Manager for Operations and 2) that the reviewers supporting this determination not be those who approved the 3019 SAR/TSR.
- The 3019 SAR identifies inventory limits and integrity of the 3019 Penthouse structure as LCOs. The DOE SER approved implementing these LCOs but then provided six months (until September 30th) to achieve compliance! Delays to the inspection schedule should allow the LCO-required modifications to be completed before the inspections commence.
- JCOs were not being prepared for four potential inadequacies in the SAR identified by the ORR. The staff review evoked DOE's and ORNL's commitment to expeditiously do so.
- On Wednesday, DOE provided a list of about 35 facilities which exhaust to stack 3039 and identified 3019 as the only one which does not provide local HEPA filtration. On Thursday, DOE advised that the list was incorrect and the statement only applied to the nuclear facilities exhausting to stack 3039. DOE is now working to identify and provide a validated list. (3-A)

B. Y-12 Fire Protection: BWXT is expecting to issue its fire protection corrective action plan early next week. Upon YAO's acceptance of the plan, BWXT and YAO desire to provide a followup briefing to the Board. Highlights of the plan include:

- The ten-year plan approaches FP as a project and covers facility-specific, as well as site-wide, FP issues. Resource estimating, down to the individual craft level, supports the plan.
- BWXT senior management has committed to identify funding for the FY02 (~\$12M), and accommodate in the budget the FY03, portions of the plan within the next several weeks.
- Work elements are prioritized using the Capital Asset Management Process (CAMP) prioritization model of DOE Order 4320.2A. (1-C)

C. Y-12 EUO HFSS: The review of the EUO HFSS found significant progress has been made in development of the safety analysis. Significant benefit should also be realized by issuance of the BIO/OSR well in advance of the planned operation date (first use is planned for May 2002).(2-A)

cc: Board Members