



Department of Energy

Richland Operations Office
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101.7 PDR-1
LPDR- Wm-10 (2)
Wm-11 (2)
Wm-16 (2)

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Mr. A. N. Kugler, Project Manager
KE/PB
P.O. Box 23210
Oakland, CA 94673

Dear Mr. Kugler:

QUALITY ASSURANCE AUDIT 8702, DEPARTMENT OF ENERGY (DOE) AND ROCKWELL HANFORD OPERATIONS (ROCKWELL) JOINT QUALITY ASSURANCE AUDIT 8702, BASALT WASTE ISOLATION PROJECT (BWIP) ACTIVITIES AT KE/PB, APRIL 7 THROUGH APRIL 10, 1987.

Results of the recent DOE and Rockwell joint audit of KE/PB tasks in support of BWIP are hereby transmitted for your action.

The cooperation and professionalism of KE/PB personnel during the conduct of the audit, including the audit entrance and exit meetings, are appreciated.

The audit focused on the recently completed Title III NDE Inspection (586), on two studies not covered by the earlier Rockwell audit (Fuel Rod Consolidation Study 684 and Retrievability Strategy Report 692), KE/PB procurement document control function relative to two consultants and one subcontract, and KE/PB program for identification/resolution of QA problems.

Detailed coverage of audit scope, audited activities and other audit related administrative information is provided in the attached audit report.

The audit verified that KE/PB has an approved QA program which is judged to be adequate as written subject to the satisfactory review and approval of KE/PB QA Plan, Revision 9, which is currently in the approval cycle. However, KE/PB implementation of the QA program as written is not adequate as evidenced by the 6 concerns and 1 observation identified in this audit report. These concerns address the continued KE/PB lack of attention to detail in the area of design and design document control. The observation highlights that KE/PB's own QA program identified the problems but corrective actions taken were not effective. It also suggests that KE/PB consider providing guidelines to engineers on design input information so that their judgment calls are limited to "preliminary" type calculations. In addition, the audit report addresses verification of KE/PB responses to previous DOE and Rockwell audit findings.

A commendable KE/PB practice, recognized in the audit report, is that KE/PB's own surveillance and audit program had identified problems similar (both in the type and number) to those identified by external audits and has also initiated CAR 87-003 to address repetitive problems.

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WM Project: WM-10, 11, 16
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