



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D. C. 20555

JUN 13 1985

Docket No: 50-414

APPLICANT: Duke Power Company

FACILITY: Catawba Nuclear Station, Unit 2

SUBJECT: SUMMARY OF MAY 14 AND 15, 1985, MEETING AND SITE VISIT TO AUDIT
CATAWBA UNIT 2 SAFETY PARAMETER DISPLAY SYSTEM (SPDS)

General

On May 14 and 15, 1985, the NRC staff and its consultants met with Duke Power Company (DPC) representatives and visited the McGuire/Catawba simulator, the Catawba control room and the technical support center (TSC) for Units 1 and 2. A list of attendees is included in Enclosure 1.

Discussion

The meeting on May 14 and the site visit on May 15 followed the enclosed agenda (Enclosure 2). The viewgraphs of the presentations made by DPC representatives on May 14 are included as Enclosure 3. The staff's questions centered on the Verification and Validation (V&V) program review, data validation, critical safety functions, containment isolation, and radiation monitoring.

In the morning of May 15, 1985, the staff visited the McGuire/Catawba simulator. The staff witnessed a safety injection demonstration on high containment pressure due to a main steam line break. The event sequence is outlined in Enclosure 4. In the afternoon, the staff visited the Catawba control room and TSC. The viewgraphs of DPC's presentations are included as Enclosure 5. The staff's questions centered on the human factors engineering aspects. DPC representatives stated that the Catawba simulator delivery date is 1987 and operability date is 1988. The shift Technical Advisor (STA) is responsible for monitoring the SPDS.

Conclusion

The NRC representatives made the following statements at the conclusion of the visit.

1. DPC's V&V program appears to fulfill the intent of the SRP although the review is not performed by an independent consultant.
2. DPC's data validation program is adequate as an interim program. DPC committed to further improvements.
3. The human factors engineering aspects' review will be documented in the staff's audit report.

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4. The staff noted an inconsistency between the SPDS status tree and the emergency operating procedures.
5. The staff noted that the containment isolation and radiation monitoring have to be reviewed by the NRC's Procedures and Systems Review Branch. The staff's target date for issuing the audit report is July 15, 1985, and for the SER is September 30, 1985.

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Enclosures:
As stated

cc: See next page

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MEETING SUMMARY DISTRIBUTION

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