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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

July 23, 2002

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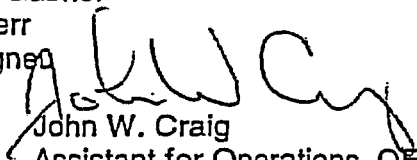
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☐ Judy Ledbetter

FROM: 
John W. Craig
Assistant for Operations, OEDO

SUBJECT: STATUS OF SDP FOR DAVIS-BESSE RPV HEAD

Attached for your information is a summary of the status of the significance determination process for the Davis-Besse Vessel head degradation.

Attachment:
As stated

cc: W. Travers, EDO (w/o attachment)
C. Paperiello, DEDMRS (w/o attachment)
W. Kane, DEDR (w/o attachment)
P. Norry, DEDM (w/attachment)
J. Craig, AO (w/attachment)
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OPA (w/attachment)
OIP (w/o attachment)
CIO (w/o attachment)
CFO (w/o attachment)
EDO R/F (w/attachment)

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**Status of SDP Risk Assessment
for Licensee Performance Deficiency that Resulted in
the Cavity in the Davis-Besse RPV Head
7/18/02**

Status:

Region 3 sent TIA for assistance with phase 3 SDP risk assessment.

Dated May 3, 2002

Requested completion by June 14, 2002, but Region is "flexible" in recognition of difficulties

NRR has scheduled completion by August 31.

Reason for delay beyond requested date is expected availability dates for necessary inputs from RES, plus need to support analysis through licensee response stage and final SDP.

0350 Panel was briefed on status at July 11 internal meeting.

If RES and/or FENOC provide cavity size estimates for failure at normal RCS pressures by end of July, preliminary SDP can be completed in early August.

Will conduct internal NRR review to Division Director level and brief ET before transmission to Region.

SERP could be conducted in August

Regulatory Conference can be scheduled 30 days after Inspection Report is issued.

Final SDP by September 30 if no difficult issues raised at Regulatory Conference

Performance Issue:

Licensee failure to inspect or disposition condition reports in a manner sufficient to detect and correct RCS pressure boundary leakage and cavity formation over multiple cycles.

Δ CDF considers sum of 3 types of accident sequences:

1. as-found cavity ruptures due to operational transient that increases RCS pressure,
2. cavity grows larger before discovery, and ruptures during normal operation or transient,
3. wetted annulus allows nozzle to develop critical circumferential flaw and eject nozzle.

Size of cavity that would fail at normal RCS pressure is not available. RCS and FENOC have slipped dates for providing this information to the end of July. Other necessary info is available.