



2CAN050202

May 14, 2002

Nuclear Regulatory Commission
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Subject: Arkansas Nuclear One - Unit 2
Docket No. 50-368
License No. NPF-6
Completion of Control Room Habitability Actions for ANO-2

References:

- 1 Entergy letter dated January 14, 2002, "Submittal of Tracer Gas Test Results and Action Plan for ANO-2 Control Room Habitability for Power Uprate," (2CAN010201)
- 2 Entergy letter dated January 31, 2002, "Response to Follow-up Request for Additional Information Concerning SGTR and MHA Dose Assessment Calculations Supporting ANO-2 Power Uprate" (2CAN010205)

Dear Sir or Madam:

In letter dated January 14, 2002 (Ref. 1), Entergy provided the results of the tracer gas test performed on the Arkansas Nuclear One (ANO) control rooms and committed to two planned actions to ensure control room habitability for ANO-2. In a subsequent letter dated January 31, 2002 (Ref. 2), Entergy provided additional clarification regarding ANO-2 control room habitability and made an additional commitment regarding long-term maintenance of ANO-2 control room inleakage. As a result, three commitments were made that were to be completed prior to startup from the recent ANO-2 refueling outage (2R15). The actions taken by Entergy are summarized below for each commitment.

1. *Further actions are being taken to repair seals on the doors and housing of VSF-9, which will remove the 45 scfm source of inleakage. This will include a confirmatory test of the VSF-9 housing to confirm the latter corrected condition,*

Entergy replaced the seals on the VSF-9 control room ventilation housing and a post maintenance test was performed to confirm the adequacy of the seals. There was no measurable inleakage into the ventilation unit.

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2. *Administrative controls will be established to have an operator open the double doors leading out to the turbine building prior to having a condition where the 2VEF-56 fans are to actuate under a radiological event.*

Annunciator response guidance was modified to open the doors leading from the ANO-2 controlled access room (next to the control room) to the turbine building prior to starting the 2VEF-56 fans (ANO-2 Switchgear Room Exhaust Fans). In addition, the autostart feature of the 2VEF-56 fans was disabled. The 2VEF-56 fans only actuate to provide cooling when service water is aligned to the Emergency Cooling Pond and the pond reaches 120°F (> 4 hours into worst case event).

3. *Entergy will establish and maintain a control room inleakage \leq 61 scfm.*

The control room allowable inleakage of 61 scfm, including 10 scfm leakage for ingress/egress, has been added to the ANO-2 Final Safety Analysis Report in accordance with 10CFR50.59. Therefore, the new ANO-2 licensing basis for allowable control room inleakage is 61 scfm.

These actions were performed prior to restart following the recent 2R15 refueling outage. If you have any further questions, please contact Steve Bennett at 479-858-4626.

Sincerely,



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Director, Nuclear Safety Assurance

SRC/sab

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