



Entergy Operations, Inc.
1448 S.R. 333
Russellville, AR 72802
Tel 501 858 5000

July 3, 2001

2CAN070103

U. S. Nuclear Regulatory Commission
Document Control Desk
Mail Station OP1-17
Washington, DC 20555

Subject: Arkansas Nuclear One - Unit 2
Docket No. 50-368
License No. NPF-6
Radiological Dose Consequence Calculations to Support ANO-2 Power Uprate

Gentlemen:

On December 19, 2000 (2CAN120001), Entergy Operations, Inc. submitted a license application to increase the authorized power level from 2815 megawatts thermal to 3026 megawatts thermal. Of the accidents that were reanalyzed as a result of the new uprated power, four resulted in dose increases above that currently analyzed (loss-of-coolant accident [LOCA], fuel handling accident [FHA], control element assembly [CEA] ejection, and steam generator tube rupture [SGTR]). NRC personnel from the Probabilistic Safety Assessment Branch requested a copy of the calculations for these four events. The four calculations are contained in the attachments:

- Attachment 1 ANO-2 Maximum Hypothetical Accident Control Room and Offsite Dose Analysis (LOCA)
- Attachment 2 Fuel Handling Accident Dose Analysis
- Attachment 3 CEA Ejection Accident - Containment Release
- Attachment 4 ANO-2 Radiological Dose Analysis for RSG and Power Uprate (Includes Steam Generator Tube Rupture and Control Element Assembly Ejection - Secondary Side Release)

Attachment 4 contains proprietary information of Westinghouse Electric Company. Accordingly, Entergy Operations, Inc. requests that the information contained in this attachment be withheld from public disclosure. The first two pages of Attachment 4 contain

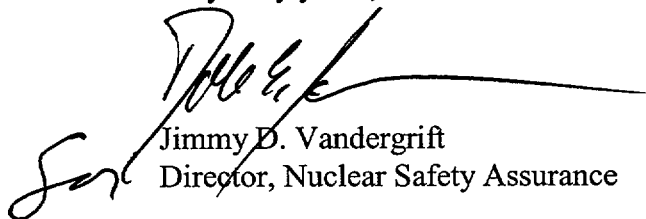
AP01

a proprietary affidavit pursuant to 10CFR2.790. A non-proprietary version of the ANO-2 Radiological Dose Analysis for RSG and Power Uprate will be submitted in the near future.

This submittal contains no regulatory commitments.

I declare under penalty of perjury that the foregoing is true and correct.

Very truly yours,



Jimmy D. Vandergrift
Director, Nuclear Safety Assurance

JDV/dwb
Attachments (4)

cc w/o att: Mr. Ellis W. Merschoff
Regional Administrator
U. S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-8064

NRC Senior Resident Inspector
Arkansas Nuclear One
P.O. Box 310
London, AR 72847

cc w/ att: Mr. Thomas W. Alexion
NRR Project Manager Region IV/ANO-2
U. S. Nuclear Regulatory Commission
NRR Mail Stop 04-D-03
One White Flint North
11555 Rockville Pike
Rockville, MD 20852