

December 18, 1992

Docket Nos. 50-313
and 50-368

Mr. Jerry W. Yelverton
Vice President, Operations AND
Entergy Operations, Inc.
Route 3 Box 137G
Russellville, Arkansas 72801

Dear Mr. Yelverton:

SUBJECT: CONCEPTUAL DESIGN FOR STATION BLACKOUT (SBO) MODIFICATION - ARKANSAS
NUCLEAR ONE, UNITS 1 AND 2 (TAC NOS. M84338 AND 84339)

The NRC staff has completed its review of your conceptual design for the proposed alternate AC (AAC) power source, as discussed in the enclosed safety evaluation (SE). The conceptual design was submitted by your letter dated August 14, 1992.

The staff finds that the conceptual design meets the guidelines of Regulatory Guide (RG) 1.155 and NUMARC 87-00, and is therefore acceptable. However, you should provide a written commitment to an initial test of the AAC power source as indicated in Section 3.4 of the SE. In view of the complexity of the proposed additions and modifications, the staff has accepted your proposed date of December 31, 1994, as a reasonable schedule for implementing the SBO Rule.

This completes our review under TAC Nos. M84338 and M84339.

Sincerely,

ORIGINAL SIGNED BY:

Roby B. Bevan, Project Manager
Project Directorate IV-1
Division of Reactor Projects III/IV/V
Office of Nuclear Reactor Regulation

Thomas W. Alexion, Project Manager
Project Directorate IV-1
Division of Reactor Projects III/IV/V
Office of Nuclear Reactor Regulation

cc: See next page

DISTRIBUTION:

Docket File
R. Bevan
P. Noonan
OGC
JRoe

NRC & Local PDRs
M. Virgilio
PD4-1 Plant File
ACRS (10) (P-315)
A. Toalston

PD4-1 Reading
J. Larkins
T. Alexion
A. B. Beach

OFC	LA:PD4-1	PM:PD4-1	PM:PD4-1	D:PD4-1
NAME	PNoonan	RBevan	TAlexion	JLarkins
DATE	12/15/92	12/15/92	12/16/92	12/18/92

OFFICIAL RECORD COPY Document Name: AR84338.1tr

250034

NRC FILE CENTER COPY

9212310106 921218
PDR ADOCK 05000313
P PDR

DF01



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

December 18, 1992

Docket Nos. 50-313
and 50-368

Mr. Jerry W. Yelverton
Vice President, Operations AND
Entergy Operations, Inc.
Route 3 Box 137G
Russellville, Arkansas 72801

Dear Mr. Yelverton:

SUBJECT: CONCEPTUAL DESIGN FOR STATION BLACKOUT (SBO) MODIFICATION - ARKANSAS
NUCLEAR ONE, UNITS 1 AND 2 (TAC NOS. M84338 AND 84339)

The NRC staff has completed its review of your conceptual design for the proposed alternate AC (AAC) power source, as discussed in the enclosed safety evaluation (SE). The conceptual design was submitted by your letter dated August 14, 1992.

The staff finds that the conceptual design meets the guidelines of Regulatory Guide (RG) 1.155 and NUMARC 87-00, and is therefore acceptable. However, you should provide a written commitment to an initial test of the AAC power source as indicated in Section 3.4 of the SE. In view of the complexity of the proposed additions and modifications, the staff has accepted your proposed date of December 31, 1994, as a reasonable schedule for implementing the SBO Rule.

This completes our review under TAC Nos. M84338 and M84339.

Sincerely,

Handwritten signature of Roby B. Bevan in cursive.

Roby B. Bevan, Project Manager
Project Directorate IV-1
Division of Reactor Projects III/IV/V
Office of Nuclear Reactor Regulation

Handwritten signature of Thomas W. Alexion in cursive.

Thomas W. Alexion, Project Manager
Project Directorate IV-1
Division of Reactor Projects III/IV/V
Office of Nuclear Reactor Regulation

Enclosure:
Safety Evaluation

cc w/enclosure:
See next page

Mr. Jerry W. Yelverton
Entergy Operations, Inc.

Arkansas Nuclear One, Units 1 & 2

cc:

Mr. Donald C. Hintz, President
and Chief Executive Officer
Entergy Operations, Inc.
P. O. Box 31995
Jackson, Mississippi 39286

Mr. John R. McGaha
Vice President, Operations Support
Entergy Operations, Inc.
P. O. Box 31995
Jackson, Mississippi 39286

Mr. R. A. Fenech
General Manager, Plant Operations
Entergy Operations, Inc.
Route 3 Box 137G
Russellville, Arkansas 72801

Mr. Robert B. McGehee
Wise, Carter, Child & Caraway
P. O. Box 651
Jackson, Mississippi 39205

Mr. Nicholas S. Reynolds
Winston & Strawn
1400 L Street, N.W.
Washington, D.C. 20005-3502

Mr. Charles B. Brinkman, Manager
Washington Nuclear Operations
ABB Combustion Engineering Nuclear Power
12300 Twinbrook Parkway, Suite 330
Rockville, Maryland 20852

Mr. Robert B. Borsum
Licensing Representative
B&W Nuclear Technologies
1700 Rockville Pike, Suite 525
Rockville, Maryland 20852

Mr. James J. Fisicaro
Director, Licensing
Entergy Operations, Inc.
Route 3, Box 137G
Russellville, Arkansas 72801

Senior Resident Inspector
U.S. Nuclear Regulatory Commission
1 Nuclear Plant Road
Russellville, Arkansas 72801

Admiral Kinnaird R. McKee, USN (Ret)
214 South Morris Street
Oxford, Maryland 21654

Regional Administrator, Region IV
U.S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011

Honorable Joe W. Phillips
County Judge of Pope County
Pope County Courthouse
Russellville, Arkansas 72801

Ms. Greta Dicus, Director
Division of Radiation Control and
Emergency Management
Arkansas Department of Health
4815 West Markham Street
Little Rock, Arkansas 72205-3867