

DEC 28 1990

Docket Nos. 50-313/90-49
50-368/90-49
License Nos. DPR-51
NPF-6

Entergy Operations, Inc.
ATTN: Neil S. Carns, Vice President
Operations, Arkansas Nuclear One
P.O. Box 53
Little Rock, Arkansas 72203

Gentlemen:

This refers to the inspection conducted by Dr. J. Blair Nicholas of this office during the period December 3-5, 1990, of activities authorized by NRC Operating Licenses DPR-51 and NPF-6 for Arkansas Nuclear One, Units 1 and 2, and to the discussion of our findings with you and other members of your staff at the conclusion of the inspection on December 5, 1990.

Areas examined during the inspection included confirmatory dose calculations of the offsite doses from radioactive waste effluents released to the environment. Within these areas, the inspection consisted of selective examination of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are documented in the enclosed inspection report.

Within the scope of the inspection, no violations or deviations were identified. However, we identified some confirmatory calculation disagreements between your calculated offsite dose results for radioactive airborne tritium, iodines, and particulates discharged to the environment and those calculated using our PC-DOSE computer code. The problem appears to be in the computer code data tables you used to calculate your dose values. The dose result disagreements are discussed in paragraph 4 (Open Item 313/9049-01; 368/9049-01) of the enclosed inspection report.

During the exit meeting, you made specific commitments regarding followup actions for Open Item 313/9049-01; 368/9049-01 as discussed in the enclosed inspection report. Please advise us if your understanding of these commitments is different than documented in the report.

We have also examined actions you have taken with regard to previously identified inspection findings. The status of these items is identified in paragraph 2 of the enclosed report.

RIV:RPEPS
*BNicholas:nh
/ /90

C:RPEPS
*BMurray
/ /90

D:DRSS
*ABBeach
12/27/90

[Handwritten signature]
D:DRP
for SJC Collins
12/27/90

*Previously concurred.

9101040215 901228
PDR ADDCK 05000313
Q PDR

LE06

Entergy Operation., Inc.

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Should you have any questions concerning this inspection, we will be pleased to discuss them with you.

Sincerely,

Original signed by Thomas P. Gwynn for

Samuel J. Collins, Director
Division of Reactor Projects

Enclosure:

Appendix - NRC Inspection Report
50-313/90-49
50-368/90-49

cc w/enclosure:

Entergy Operations, Inc.
ATTN: Donald C. Hintz, Executive Vice
President & Chief Operating Officer
P.O. Box 31995
Jackson, Mississippi 39286

Entergy Operations, Inc.
ATTN: Gerald W. Muench, Vice President
Operations Support
P.O. Box 31995
Jackson, Mississippi 39286

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

Arkansas Nuclear One
ATTN: Early Ewing, General Manager
Technical Support and Assessment
Route 3, Box 137G
Russellville, Arkansas 72801

Arkansas Nuclear One
ATTN: Jerry Yelverton, Director
Nuclear Operations
Route 3, Box 137G
Russellville, Arkansas 72801

Entergy Operations, Inc.

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Arkansas Nuclear One
ATTN: Mr. Tom W. Nickels
Route 3, Box 137G
Russellville, Arkansas 72801

Combustion Engineering, Inc.
ATTN: Charles B. Brinkman, Manager
Washington Nuclear Operations
12300 Twinbrook Parkway, Suite 330
Rockville, Maryland 20852

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

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

Arkansas Department of Health
ATTN: Ms. Greta Dicus, Director
Division of Environmental Health
Protection
4815 West Markam Street
Little Rock, Arkansas 72201

Babcock & Wilcox
Nuclear Power Generation Division
ATTN: Mr. Robert B. Borsum
1700 Rockville Pike, Suite 525
Rockville, Maryland 20852

Admiral Kinnaird R. McKee, USN (Ret)
P.O. Box 41
Oxford, Maryland 21654

bcc (see next page)

Entergy Operations, Inc.

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bcc to DMB (IE01)

bcc distrib. by RIV:

*R. D. Martin	*Resident Inspector
*DRSS-RPEPS	*Section Chief (D/P/A)
Lisa Shea, RM/ALF	*RIV File
*DRP	*MIS System
*RSTS Operator	*Project Engineer (DRP/A)
*DRS	*A. Beach
*T. Alexion, NRR Project Manager (MS: 13-E-21)	
*C. Poslusny, NRR Project Manager (MS: 13-D-18)	
*B. Murray	*J. B. Nicholas

*w/766