



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION IV

611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TEXAS 76011-8064

FEB 18 1993

Dockets: 50-313
50-368
Licenses: DPR-51
NPF-6

Entergy Operations, Inc.
ATTN: J. W. Yelverton, Vice President
Operations, Arkansas Nuclear One
Route 3, Box 137G
Russellville, Arkansas 72801

SUBJECT: RESPONSE TO WEAKNESS IDENTIFIED IN NRC INSPECTION
REPORT 50-313/92-27; 50-368/92-27

Thank you for your letter dated February 5, 1993, in response to the emergency preparedness weakness identified in NRC Inspection Report 50-313/92-27; 50-368/92-27 dated December 30, 1992. We have examined your reply and find it responsive to the concerns raised in our inspection report. We will review the implementation of your corrective actions during a future inspection.

Should you have any questions concerning this letter, please contact Dr. D. Blair Spitzberg of my staff at (817) 860-8191.

Sincerely,

L. J. Callan

for L. J. Callan, Director
Division of Radiation Safety
and Safeguards

cc:
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bcc to DMB (IE35)

bcc distrib. by RIV w\copy of letter dated February 5, 1993:

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D. B. Spitzberg, FIPS
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Section Chief, DRP/A
Project Engineer, DRP/A
Section Chief, DRP/TSS
DRS
MIS System
DRSS/FIPS File
RIV File
Lisa Shea, RM/ALF, MS: MNBB 4503
T. Alexion, NRR Project Manager (MS 13 H3)
R. Bevan, NRR Project Manager (MS 13 H3)
C. A. Hackney, RSLO

RIV:FIPS <i>DRS</i>	C:FIPS <i>✓</i>	DD:DRSS <i>DRS</i>	D:DRSS <i>DRS</i>	
DBSpitzberg:nh	BMurray	DDChamberlain	LJCallan <i>fn</i>	
2/17/93	2/17/93	2/17/93	2/17/93	

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Entergy Operations, Inc.

-3-

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J. L. Milhoan
B. Murray, DRSS/FIPS
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RIV:FIPS <i>DRS</i>	C:FIPS <i>0</i>	DD:DRSS <i>DRS</i>	D:DRSS <i>DRS</i>	
DBSpitzberg:nh	BMurray	DDChamberlain	LJCallan <i>fn</i>	
2/17/93	1/17/93	2/17/93	2/17/93	



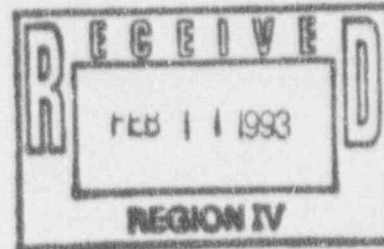
**Entergy
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February 5, 1993

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U. S. Nuclear Regulatory Commission
Document Control Desk
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Washington, DC 20555



SUBJECT: Arkansas Nuclear One - Units 1 and 2
Docket Nos. 50-313 and 50-368
License Nos. DPR-51 and NPF-6
Response to Inspection Report
50-313/92-27; 50-368/92-27

Gentlemen:

Entergy Operations has reviewed your correspondence of December 30, 1992 (OCNA129218), regarding the inspection of activities associated with the Arkansas Nuclear One emergency preparedness program.

Attached is our analysis of the weakness identified, description of our corrective measures, and the schedule for completing these actions.

Entergy Operations appreciates the strengths in our emergency preparedness program, which were acknowledged during this inspection. The numbers of trained emergency responders and the broad base of support for the drill program reflect our commitment to continuously refine and improve emergency response capability at Arkansas Nuclear One.

Should you have any questions, please contact me at (501) 964-8601.

Very truly yours,

James J. Fisicaro
Director, Licensing

JJF/SWB/mmg
attachments

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U. S. NRC
February 5, 1993
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cc: Mr. James L. Milhoan
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Description of Corrective Measures and Schedule for Completion:

The licensee's failure to demonstrate the capability to perform accurate dose assessments in a timely manner from the control room following and un-monitored radiological release was identified as a weakness (313/9227-01;368/9227-01).

Response

The root cause for the lack of proficiency with the Radiological Dose Assessment Computer Systems (RDACS), which was observed during initial dose assessment in the control room, has been determined to be procedural instructions which are not appropriately human factored. The dose assessment procedures are not currently designed to account for the irregular frequency of their use (in comparison to procedures used in routine day-to-day activities).

Additionally, our root cause analysis included a general evaluation of the format of other procedures (e.g., Emergency Classification, Emergency Radiation Team, Emergency Medical Team) to determine if similar format weaknesses were present elsewhere in the program. It has been determined that problems of this nature are not prevalent in other procedure series. This conclusion is based primarily on a review of drill performance results in which these procedures were implemented and utilized by emergency responders.

Remedial training was administered on December 10, 1992, prior to the end of the inspection, to the three dose assessment personnel involved in the evaluated simulator drills.

A supplement to the existing procedures has been developed and implemented. This supplement provides a condensed set of guidelines to aid users in performing dose assessments in accordance with the current procedure format.

Emergency planning is currently administering remedial training to dose assessment personnel to improve their skills for projecting the effects of un-monitored releases in general, including contaminated steam releases. This remedial training consisted initially of a required reading assignment which has been issued to members of the Dose Assessment Team. This required reading assignment is currently being followed-up by a series of practical factors sessions for the team members. These sessions require a demonstration of dose assessment skills and will be completed by March 31, 1993.

The dose assessment procedures will be reformatted. The format will be selected by a task force comprised of representatives from the Dose Assessment Team, Dose Assessment Supervisors, and the Emergency Planning Department. The goal of the task force will be to produce a set of dose assessment instructions and guidelines that incorporate effective human factor techniques. A prime consideration of the task force will be that the dose assessment task is performed on an irregular basis. The revised procedures will be implemented by May 31, 1993.

Entergy Operations believes the corrective actions outlined above adequately address the root cause of the weakness identified and should prevent recurrence.