



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
611 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TEXAS 76011-4005**

September 9, 2003

EA-03-160

Craig G. Anderson, Vice-President,  
Operations  
Arkansas Nuclear One  
Entergy Operations, Inc.  
1448 S.R. 333  
Russellville, Arkansas 72801-0967

**SUBJECT: ARKANSAS NUCLEAR ONE - NRC INSPECTION REPORT 50-313,368/03-11;  
PRELIMINARY WHITE FINDING**

Dear Mr. Anderson:

On September 4, 2003, the subject report was mailed. Due to an error in the docket number and unresolved item number on the cover page and errors in the unresolved item number referenced in the report, please replace the enclosed corrected pages. We regret any inconvenience this may have caused.

Sincerely,

//RA//

M. P. Shannon, Acting Chief  
Plant Support Branch

Enclosure:  
Cover letter of NRC Inspection Report  
Page 1 of Report Details  
Attachment 1

Docket: 50-313, 368  
License: NPF-6, DPR-51

cc w/enclosure:  
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& Chief Operating Officer  
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Senior Project Engineer, DRP/D **(RVA)**

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Jennifer Dixon-Herrity **(JLD)**

Billy Rogers **(BHR)**

Only inspection reports to the following:

Jeff Clark **(JAC)**

ANO Site Secretary **(VLH)**

ADAMS: ☒ Yes ☐ No Initials: \_jlh\_\_\_\_\_

☒ Publicly Available ☐ Non-Publicly Available ☐ Sensitive ☒ Non-Sensitive

DOCUMENT NAME: R:\\_ANO\ANO2003-011LTR-REL.WPD

RIV:DRS\SEPI	PSB (TL)			
RELantz	MPShannon			
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T=Telephone

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September 4, 2003

EA-03-160

Craig G. Anderson, Vice-President,  
Operations  
Arkansas Nuclear One  
Entergy Operations, Inc.  
1448 S.R. 333  
Russellville, Arkansas 72801-0967

SUBJECT: ARKANSAS NUCLEAR ONE - NRC INSPECTION REPORT 50-313,368/03-11;  
PRELIMINARY WHITE FINDING

Dear Mr. Anderson:

This report discusses a finding that appears to have low to moderate safety significance. As described in Section 1EP2 of this report, the finding involved the failure to maintain your primary emergency preparedness alert notification system. This finding was assessed based on the best available information, including influential assumptions, using the Emergency Preparedness Significance Determination Process dated March 6, 2003, and was preliminarily determined to be a White finding. The finding has a low to moderate safety significance because the loss of capability to notify some members of the populace in the plume exposure emergency planning zone represents a degradation of a risk significant planning standard function.

During an NRC inspection conducted April 28 through May 2, 2003, (IR 050-313,368/2003-003) the inspector identified an unresolved item (050-313,368/2003003-02) concerning the method used to contact new residents in the Arkansas Nuclear One plume exposure emergency planning zone. This item was unresolved pending an evaluation by the Federal Emergency Management Agency (FEMA) pertaining to the acceptability of the State of Arkansas' notification practice in meeting your FEMA approved Alert and Notification System design report, and our evaluation of the FEMA response. Your facility staff entered the unresolved item in your corrective action process as Significant Condition Report CR-ANO-C-2003-0340, took immediate corrective actions to address the issue, and commenced a formal root cause analysis.

In a letter (ADAMS accession number ML#031350415) to FEMA Region VI dated May 15, 2003, the NRC requested that FEMA evaluate the acceptability of the State of Arkansas' notification practice in meeting the Alert and Notification System design for the National Oceanic Atmosphere Administration (NOAA) radio program. On June 17, 2003, FEMA notified the NRC by letter (ADAMS accession number ML#032120108) that the State of

## Report Details

### 1EP2 Alert Notification System Testing (71114.02)

#### a. Inspection Scope

The inspector reviewed unresolved item 50-313,368/2003003-02 and section 1EP2 of NRC Inspection Report 50-313,368/2003-003. The inspector reviewed the May 15, 2003, letter (ADAMS accession number ML#031350415) from Mr. Dwight Chamberlain, Director, Division of Reactor Safety, NRC Region IV, to Ms. Lisa Hammond, Radiological Assistance Committee Chair, Federal Emergency Management Agency (FEMA) Region VI (Attachment 2). The inspector reviewed the June 17, 2003, response letter from Ms. Lisa Hammond to Mr. Dwight Chamberlain (ADAMS accession number ML#032120108) (Attachment 3) and to Mr. Bernard Bevill, Arkansas Department of Public Health (Attachment 4).

#### b. Findings

Introduction. The inspector identified an apparent violation of 10 CFR 50.54(q), which requires, in part, that a licensee shall follow emergency plans which meet the standards in §50.47(b). 10 CFR 50.47(b)(5) states, in part, that a means to provide early notification and clear instruction to the populace within the plume exposure pathway Emergency Planning Zone has been established. The finding was preliminarily determined to be of low to moderate safety significance (White).

Description. NRC Inspection Report 50-313,368/03-03 identified an unresolved item (50-313,368/2003003-02) concerning the notification method used by the Arkansas Department of Health, Office of Nuclear Planning and Response Programs (NPRP) to meet the FEMA approved Alert and Notification System (ANS) design report. Inspection Report 50-313,368/03-03 described the item as follows:

Section 3.2.2.2, "Tone Alert Radios (NOAA)," of the FEMA approved ANS design report, states in the fourth paragraph, that "Utilities provide computerized listings of all new contacts. These persons are contacted and offered a free NOAA radio if they are in the affected area."

Prior to September 1999, the two local electric utilities serving residential and commercial customers in the Arkansas Nuclear One (ANO) facility plume exposure emergency planning zone (EPZ) provided new customer hookup reports to NPRP. NPRP then compared the names and addresses on the new hookup reports to the master National Oceanic Atmospheric Administration (NOAA) tone alert radio distribution list maintained by NPRP. If a new hookup was not on the tracking list as having already received a NOAA radio, a one page letter was sent to the new address which informed the resident of the availability of an emergency information booklet (EIB) and how to obtain the booklet if desired. The letter requested that the new resident fill out and return a "special needs" form if they would require assistance in the event an evacuation was ordered. The letter also stated that, "If you are unable to hear a warning siren, you may be eligible for a NOAA Weather Radio receiver."

## ATTACHMENT 1

### SUPPLEMENTAL INFORMATION

#### KEY POINTS OF CONTACT

##### Licensee

C. Anderson, Vice-President, Operations  
M. Cooper, Licensing Specialist  
S. Cotton, Director, NSA  
C. Eubanks, General Manager  
B. Fowler, Senior Emergency Planner  
R. Freeman, Emergency Planning Specialist  
R. Holleyfield, Manager, Emergency Preparedness

##### NRC

M. Shannon, Senior Health Physicist/Team Leader

#### ITEMS OPENED, CLOSED, AND DISCUSSED

##### Opened

05000313,368/2003011-01	AV	Failure to meet the Alert Notification System design criteria for alerting the public with Tone Alert Radios in apparent violation of 10 CFR 50.54(q).
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##### Closed

05000313,368/2003003-02	URI	Adequacy of means to notify populace in EPZ (Section 1EP2)
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