

UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION IV
811 FRAN PLAZA DRIVE, SUITE 400
ARLINGTON, TEXAS 76011-8064

July 31, 1996

Entergy Operations, Inc.
ATTN: J. W. Yelverton, Vice President
Operations, Arkansas Nuclear One
1448 S.R. 333
Russellville, Arkansas 72801-0967

SUBJECT: NRC INSPECTION REPORT 50-313/96-16; 50-368/96-16; 72-13/96-01 AND
NOTICE OF VIOLATION

On May 6-10, 1996, the NRC completed a team inspection at your Arkansas Nuclear One reactor facilities. The enclosed report presents the results of that inspection.

During the 1-week period covered by this inspection, your conduct of activities at the ANO facility related to the preparation of moving spent fuel to dry cask storage at the on-site Independent Spent Fuel Storage Installation was viewed as well developed and effectively implemented. Areas reviewed included the observation of activities related to the dry-run exercise as required by the Certificate of Compliance for the VSC-24 cask system and review of procedures and training related to the fuel movement activities.

Based on the results of this inspection, the NRC has determined that one violation of NRC requirements occurred. The violation is cited in the enclosed Notice of Violation (Notice) and the circumstances surrounding it are described in detail in this inspection report. The violation is of concern because adequate quality controls were not implemented to preclude the potential degradation of a key component in a spent fuel cask used to provide for safe cask lifting and handling.

Your immediate corrective action completed during the inspection effectively resolved the immediate concern. In addition, the corrective actions identified in your Condition Report on this finding appear to provide an adequate level of assurance that the problem will not recur. Therefore, you are not required to respond to this letter unless the description herein does not accurately reflect your corrective actions or your position. In that case, or if you choose to provide additional information, you should follow the instruction specified in the enclosed Notice.

Subsequent to the inspection at ANO, a problem occurred at another NRC licensed site involving a VSC-24 cask. The problem involved the chemical interaction of borated water with the coating used on the inside of the cask during cask loading operations. As a result of this problem, Region IV issued a Confirmatory Action Letter (CAL) on June 3, 1996, to Arkansas Nuclear One concerning the potential generation and ignition of hydrogen while borated water is in the VSC-24 cask. This was followed with a supplementary Confirmatory Action Letter on June 21, 1996, confirming the commitment made by the Entergy Acting Vice President of Operations to refrain from loading any

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cask at ANO with spent fuel until after NRC review and acceptance of the ANO response to the generic communication. On July 5, 1996, the NRC issued the generic communication in NRC Bulletin 96-04, "Chemical, Galvanic, or other Reactions in Spent Fuel Storage and Transportation Casks." The bulletin requires ANO to evaluate the effects of any chemical, galvanic, or other reaction that could occur during loading, handling, storage, unloading, or transportation of the casks. The evaluation requires analysis of both short term and long term effects. Prior to loading a VSC-24 cask, ANO is required to complete the required evaluations and submit the information to the NRC for review and acceptance of the response and verification of any subsequent actions taken.

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter, its enclosure(s), and your response will be placed in the NRC Public Document Room (PDR).

Sincerely,


for Ross A. Scarano, Director
Division of Nuclear Material Safety

Docket Nos.: 50-313, 50-368, 72-13
License Nos.: DPR-51, NPF-6

Enclosures: Notice of Violation
Inspection Report 50-313/96-16, 50-368/96-16, 72-13/96-01

cc w/enclosures:
Executive Vice President
& Chief Operating Officer
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Operations Support
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Oregon Department of Energy
ATTN: Adam Bless
625 Marion Street NE
Salem, Oregon 97310

E-Mail report to: D. Nelson (DJN), NRR Event Tracking System (IPAS) and M. Davis (MJD1)

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- *RIV Files (2)-4th floor (Dockets 50-313; 50-368)
- *RIV Files (2)-5th Floor (Docket 72-13)
- *NMLB-5th floor (Hodges) (Docket 72-13)
- *w/IFS Form

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RI:ANO	NMSS:SFPO	NMSS:SFPO	NRR/DRPM	NRR:DE:EMEB
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07/19/96	07/24/96 <i>JVE</i>	07/29/96 <i>JVE</i>	07/24/96 <i>JVE</i>	07/25/96 <i>JVE</i>
NMSS:IMNS:SCDB	SL:SFLS	RIV:DRS:PS	C:DRS:PS	DRS:MB
SCO'Connor E-mail	EJLeeds E-mail	THAndrews <i>TA</i>	BMurray <i>B</i>	CJPaulk <i>per note</i>
07/25/96 <i>JVE</i>	07/25/96 <i>JVE</i>	07/30/96	07/31/96	07/24/96 <i>JVE</i>
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DAPowers <i>per note</i>	JVEverett:nh	DBSpitzberg	DDCain <i>DD</i>	RAScarano
07/24/96 <i>JVE</i>	07/19/96 <i>JVE</i>	07/31/96 <i>JVE</i>	07/31/96	07/ /96

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