

Docket file



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

November 15, 1999

Mr. C. Randy Hutchinson  
Vice President, Operations ANO  
Entergy Operations, Inc.  
1448 S. R. 333  
Russellville, AR 72801

SUBJECT: ARKANSAS NUCLEAR ONE, UNIT NOS. 1 AND 2 - RE: COMPLETION OF LICENSING ACTION FOR GENERIC LETTER 98-04, "POTENTIAL FOR DEGRADATION OF THE EMERGENCY CORE COOLING SYSTEM AND THE CONTAINMENT SPRAY SYSTEM AFTER A LOSS-OF-COOLANT ACCIDENT BECAUSE OF CONSTRUCTION AND PROTECTIVE COATING DEFICIENCIES AND FOREIGN MATERIAL IN CONTAINMENT (TAC NOS. MA4015 AND MA4016)

Dear Mr. Hutchinson:

On July 14, 1998, the U.S. Nuclear Regulatory Commission (NRC) issued Generic Letter (GL) 98-04 to all holders of operating licenses or construction permits. The NRC issued GL 98-04 to determine the status of containment coating programs.

In GL 98-04, the NRC staff specifically requested that the licensees provide information outlined below for each of their facilities.

- (1) A summary description of the plant-specific program or programs implemented to ensure that Service Level 1 protective coatings used inside the containment are procured, applied, and maintained in compliance with applicable regulatory requirements and the plant-specific licensing basis for the facility. Include a discussion of how the plant-specific program meets the applicable criteria of 10 CFR Part 50, Appendix B, as well as information regarding any applicable standards, plant-specific procedures or other guidance used for (a) controlling the procurement of coatings and paints used at the facility; (b) the qualification testing of protective coatings; and (c) surface preparation, application, surveillance, and maintenance activities for protective coatings. Maintenance activities refer to rework of degraded coatings, removing degraded coatings to sound coatings, correctly preparing the surfaces, applying new coatings, and verifying the quality of coatings.
- (2) Information demonstrating compliance with item (i) or item (ii).
  - (i) For plants with licensing-basis requirements for tracking the amount of unqualified coatings inside the containment and for assessing the impact of potential coating debris on the operation of safety-related systems, structures, and components during a postulated design basis loss-of-coolant accident, the following information shall be provided to demonstrate compliance:
    - (a) The date and findings of the last assessment of coatings and the planned date of the next assessment of coatings.

PDR ADOCK

DF01

- (b) The limit for the amount of unqualified protective coatings allowed in the containment and how this limit is determined. Discuss any conservatism in the method used to determine this limit.
  - (c) If a commercial-grade dedication program is being used at your facility for dedicating commercial-grade coatings for Service Level 1 applications inside the containment, discuss how the program adequately qualifies a coating for Service Level 1. Identify what standards or other guidance are currently being used to dedicate containment coatings at your facility.
- (ii) For plants without the above licensing-basis requirements, information shall be provided to demonstrate compliance with the requirements of 10 CFR 50.46b(5), "Long-term cooling," and the functional capability of the safety-related containment spray system as set forth in your licensing basis. If a licensee can demonstrate this compliance without quantifying the amount of unqualified coatings, this is acceptable. The following information shall be provided:

If a commercial-grade dedication program is not being used at your facility for qualifying and dedicating commercial-grade coatings for Service Level 1 applications, provide the regulatory and safety basis for not controlling these coatings in accordance with such a program. Additionally, explain why the facility's licensing basis does not require such a program.

In response to GL 98-04, you provided a letter dated November 11, 1998 (OCAN119803), for Arkansas Nuclear One, Unit Nos. 1 and 2. This submittal provided the information requested by GL 98-04. Clarification was provided during a phone call that took place on May 6, 1999. The staff has reviewed your response and has concluded that all requested information has been provided; therefore, we consider GL 98-04 to be closed for your facilities. We thank you for your prompt and complete response.

If you have any questions regarding this matter, please contact me at 301-415-1320.

Sincerely,

ORIGINAL SIGNED BY  
 M. Christopher Nolan, Project Manager, Section 1  
 Project Directorate IV & Decommissioning  
 Division of Licensing Project Management  
 Office of Nuclear Reactor Regulation

Docket Nos. 50-313 and 50-368

cc: See next page

**DISTRIBUTION:**

File Center	PUBLIC	PDIV-1 RF	L.Berry	OGC
K.Brockman, RIV	R.Pulsifer	C.Lauron	J.Davis	ACRS

To receive a copy of this document, indicate "C" in the box								
OFFICE	PDIV-1/PM	C	PDIV-1/LA	C	EMCB/SC		PDIV-1/SC	C
NAME	C.Nolan:db <i>md</i>		DJohnson <i>dly</i>		ESullivan <i>eds</i>		RGramm <i>ro</i>	
DATE	11 / 08 / 99		11 / 08 / 99		11 / 9 / 99		11 / 9 / 99	

Arkansas Nuclear One

cc:

Executive Vice President  
& Chief Operating Officer  
Entergy Operations, Inc.  
P. O. Box 31995  
Jackson, MS 39286-1995

Vice President, Operations Support  
Entergy Operations, Inc.  
P. O. Box 31995  
Jackson, MS 39286-1995

Director, Division of Radiation  
Control and Emergency Management  
Arkansas Department of Health  
4815 West Markham Street, Slot 30  
Little Rock, AR 72205-3867

Wise, Carter, Child & Caraway  
P. O. Box 651  
Jackson, MS 39205

Winston & Strawn  
1400 L Street, N.W.  
Washington, DC 20005-3502

Manager, Rockville Nuclear Licensing  
Framatone Technologies  
1700 Rockville Pike, Suite 525  
Rockville, MD 20852

Senior Resident Inspector  
U.S. Nuclear Regulatory Commission  
P. O. Box 310  
London, AR 72847

Regional Administrator, Region IV  
U.S. Nuclear Regulatory Commission  
611 Ryan Plaza Drive, Suite 400  
Arlington, TX 76011-8064

County Judge of Pope County  
Pope County Courthouse  
Russellville, AR 72801