



June 10, 1993

OCAN069301

U. S. Nuclear Regulatory Commission
Document Control Desk
Mail Station P1-137
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
NRC Bulletin No. 93-02: Debris Plugging of
Emergency Core Cooling Suction Strainers

Gentlemen:

The NRC staff issued NRC Bulletin 93-02 to notify licensees of a previously unrecognized contributor to the potential loss of net positive suction head (NPSH) for the Emergency Core Cooling Systems (ECCS) for Light Water Reactors during the recirculation phase of a loss-of-coolant accident (LOCA).

The bulletin, immediately upon receipt, requested that licensees take the following actions:

- 1) Identify fibrous air filters or other temporary sources of fibrous material, not designed to withstand a LOCA, which are installed or stored in primary containment.
- 2) Within 30 days of the date of this bulletin, each licensee is required to provide a written response stating whether the actions requested above have been or will be performed. If the use of such material is identified, this written response shall also include the locations and quantity of use, any compensatory measures taken, and the current schedule for removal of the material.
- 3) Within 30 days of completion of the requested actions, each licensee is required to provide a report confirming completion of the requested actions.
- 4) If an addressee proposes not to take the actions requested in this bulletin, provide to the NRC staff, within 30 days of the date of this bulletin, your proposed alternative course of action and a justification for any deviations from the requested actions.

150177
9306170251 930610
PDR ADDCK 05000313
Q PDR

TE11
1/0

The purpose of this submittal is to provide the response to the actions requested for Arkansas Nuclear One, Units 1 and 2 (ANO-1&2). Entergy Operations at ANO intends to fully meet the requirements set forth in this bulletin. Procedures are currently in place for both units to assure that unwanted materials do not remain inside the Reactor or Containment Buildings after an outage, which could impact the NPSH of ECCS pump suction.

ANO-1

ANO-1 Plant Pre-heatup and Precritical Checklist (Plant Procedure No. 1102.001) requires performance of a visual inspection of the Reactor Building for materials not approved to remain in the building during power operation. This inspection looks for materials which could impact sump blockage resulting in loss of NPSH. Materials which remain in the building must have management approval after completion of an engineering analysis which considers sump blockage. In addition, the building sump, its grating and LPI suction inlets are inspected for debris which could interfere or restrict the LPI suction lines. This checklist was completed at the end of the last Unit 1 refueling outage (May 1992). Based on this inspection, no unapproved fibrous materials have been identified as currently being in the Reactor Building. Unit 1 is currently scheduled to begin refueling outage 1R11 in early September 1993. A visual inspection for fibrous materials will be made in accordance with the referenced procedure prior to plant restart. Within 30 days of completion of the requested inspection a confirmatory letter will be submitted to the NRC.

ANO-2

ANO-2 Plant Pre-heatup and Pre-critical Checklist (Plant Procedure No. 2102.001) requires performance of a visual inspection of the Containment Building prior to heat-up to assure that unapproved material does not remain during power operation. Unit 2 was in cold shutdown when the bulletin was received. It was verified that this inspection had been performed at the completion of the last plant outage and two independent inspections were performed prior to plant startup.

This letter confirms completion of the requested actions through an inspection of the ANO-2 Containment Building for materials identified in this bulletin and none were identified.

In accordance with 10 CFR 50.54(f), this submittal is being provided under the following affirmation.

Very truly yours,

James J. Fisk

JJF/jrh

To the best of my knowledge and belief, the statements contained in this submittal are true.

SUBSCRIBED AND SWORN TO before me, a Notary Public in and for ~~Pope~~ ^{Yell} ^{6/10/93} County and the State of Arkansas, this 10th day of June, 1993.

Lore Bernice Barrios

Notary Public

My Commission Expires 1/8/95

Attachments

cc: Mr. James L. Milhoan
Regional Administrator
U. S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-8064

NRC Senior Resident Inspector
Arkansas Nuclear One - ANO-1 & 2
Number 1, Nuclear Plant Road
Russellville, AR 72801

Mr. Roby B. Bevan, Jr.
NRR Project Manager Region IV/ANO-1
U. S. Nuclear Regulatory Commission
NRR Mail Stop 13-H-3
One White Flint North
11555 Rockville Pike
Rockville, MD 20852

Mr. Thomas W. Alexion
NRR Project Manager, Region IV/ANO-2
U. S. Nuclear Regulatory Commission
NRR Mail Stop 13-H-3
One White Flint North
11555 Rockville Pike
Rockville, MD 20852