

Docket Nos. 50-259/260/296

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Docket File

MAR 10 1986

Mr. S. A. White  
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NRC PDR  
Local PDR  
RBernero  
HThompson  
SNorris  
RClark

OELD  
ACRS (10)  
EJordan  
BGrimes  
JPartlow  
PHearn  
Gray File

Dear Mr. White:

SUBJECT: HYDROGEN RECOMBINER RELIEF

Re: Browns Ferry Nuclear Plant, Units 1, 2 and 3

By letter dated July 2, 1984, TVA responded to the letter from D. G. Eisenhut dated May 8, 1984 regarding recombinaer capability requirements of 10 CFR 50.44(c)(3)(iii). We have reviewed the July 2, 1984 letter and find that we need the information contained in the enclosure to this letter to complete our review. Please respond to this request within 60 days from the date of receipt of this letter.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,

~~Original signed by~~

Marshall Grotenhuis, Project Manager  
BWR Project Directorate #2  
Division of BWR Licensing

Enclosure:  
As stated

cc w/enclosure:  
See next page

DBL:PD#2  
SNorris:rc  
3/7/86

*mg*  
DBL:PD#2  
MGrotenhuis  
3/10/86

DBL:PD#2  
RClark  
3/10/86 *g/c*

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PDR ADDCK 05000259  
PDR



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Mr. S. A. White  
Tennessee Valley Authority

Browns Ferry Nuclear Plant  
Units 1, 2, and 3

cc:

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REQUEST FOR ADDITIONAL INFORMATION

BROWNS FERRY NUCLEAR PLANT  
UNITS 1, 2 AND 3

1. Based on your July 2, 1984 reply to Generic Letter 84-09, the possibility exists that valve 32-332 (Ref: FSAR Fig. 10.14-4), backup air supply cutout valve, might be open during the course of a LOCA. This could occur as a result of having been left open following a prior maintenance procedure or as a result of a deliberate action due to a loss of drywell air compressor operability.

Describe any administrative controls, presently in effect, or planned, which assures that when 32-332 is open, and primary containment integrity is required, the control room operators will close this valve in the event of a LOCA. Verify whether this valve can be closed from the control room or locally. Include in your response a discussion of the anticipated timing of the necessary operator actions.

2. The control nitrogen system, which supplies systems inside containment, utilizes recycled containment atmosphere during normal operation. However, an air supply system is used as a backup to the control nitrogen system. Additionally, the isolation provisions (penetration X-22) used for the normal nitrogen supply and the backup air supply systems consist of two check valves, one located on each side of the containment. This arrangement does not comply with the 10 CFR 50, Appendix A, GDC 56, requirements (i.e. sole use of vacuum breakers for isolation).

Provide the following information:

- a. The procedures and instrumentation available to the operators to be used to meet the intent of Criterion 3 of Generic Letter 84-09 if the backup air supply is in use when the LOCA occurs.
- b. The means by which the operator would become aware that operation of the backup air system may have filled the accumulators with air.
- c. The philosophy used to demonstrate compliance with the requirements for use of vacuum breakers as isolation valves contained in 10 CFR 50, Appendix A, GDC 56.

