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November 10, 1982

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Byron Station Units 1 and 2
Braidwood Station Units 1 and 2
Containment Isolation
NRC Docket Nos. 509-454, 50-455,
50-456 and 50-457

Reference (a): August 17, 1982 letter from T. R. Tramm
to H. R. Denton.

Dear Mr. Denton:

This is to provide advance copies of a revision of a response to a Byron/Braidwood FSAR question regarding containment isolation provisions. This information will be incorporated into the FSAR in the next amendment.

Enclosed is a revised response to FSAR question 022.54 regarding valves in the containment ventilation systems which will be sealed closed during operational modes. This response was previously revised in reference (a) to indicated that the post-LOCA purge system isolation valve would be tagged to prevent operation during power operation, startup, hot standby, and hot shutdown. After further review it appears that removal of the fuses from the circuit supplying power to the actuator solenoid will provide additional assurance that the valve will not be inadvertently opened. The enclosed response to question 022.54 has been revised to include this commitment.

Please address questions regarding this matter to this office.

One signed original and forty copies of this letter are provided for your review.

Very truly yours,

BOO!

T. R. Tramm
Nuclear Licensing Administrator

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Attachment

5408N

8211230383 821110
PDR ADOCK 05000454
A PDR

ATTACHMENT

QUESTION 022.54

"Verify that the normal containment purge system isolation valves (1VQ001A, B, and 1VQ002A, B) and post-LOCA purge system isolation valve 1VQ003) will be sealed closed (as defined in SRP Section 6.2.4, 11.2.f) during the operational modes of power operation, startup, hot standby, and hot shutdown."

RESPONSE

The normal containment purge valves will be locked closed by the administrative procedure of interrupting power to the valve at the circuit breaker (i.e., the circuit breaker will be racked out) and tagging the breaker "out of service." Inadvertant operation of the purge valves requires violation of procedures prohibiting both the operation of tagged-out equipment and the containment purge system. Tagging out at the breaker is considered equivalent to a mechanical lock because in both instances positive action is used to prevent the valve from receiving power and an administrative procedure is required to return the breaker to service.

The Post-LOCA purge system isolation valve, 1VQ003, is a solenoid operated valve powered from Division 12 120VAC ESF distribution panel. Interrupting power to 1VQ003 is accomplished by removing the fuses in the 120 VAC power supply. Removing and tagging OOS the fuses and tagging the control switch OOS will provide the equivalent to a mechanical lock as stated above. The fuses supplying power to 1VQ003 will be removed and tagged OOS during power operation, startup, hot standby, and hot shutdown.

Valve 1VQ003 is identical to valves 1VQ004A/B, and 1VQ005A/B, the miniflow containment isolation valves, and is equipped with an operator capable of closing the valve in 5 seconds for containment isolation (see Table 6.2-58).