

August 18, 1992  
BW/92-0444

Mr. A. Bert Davis  
Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Subject: Braidwood Station Units 1 and 2  
Auxiliary Building Vent Stack Wide Range  
Noble Gas Monitor Inoperability  
NRC Docket Nos. 455 and 457

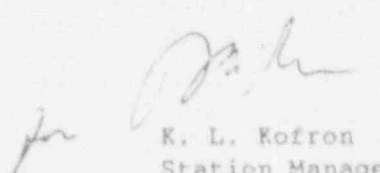
Reference: (a) NUREG-1276, Technical Specifications

Dear Mr. Davis:

Braidwood Station Technical Specification 3.3.3.6 Action (c) requires that with less than the minimum number of auxiliary building vent stack wide range noble gas monitors operable for more than 7 days, a Special Report shall be prepared and submitted to the Commission within 14 days pursuant to Specification 6.9.2 that provides the actions taken, cause of the inoperability, and plans and schedule for restoring the channel(s) to operable status. Pursuant to these Specifications, the enclosure provides a report regarding the inoperability of the Unit 2 Auxiliary Building Vent Stack Wide Range Noble Gas Monitor, 2PR30J, initiated August 7, 1992 at 1100 hours. The inoperability of 2PR30J affects both Braidwood Units 1 and 2.

Please direct any questions regarding this submittal to Harry Pontious, Braidwood Station Licensing Coordinator, extension 2511.

Very truly yours,

  
K. L. Kofron  
Station Manager  
Braidwood Nuclear Station

KLK/HDP/dla  
20ZCREG

Enclosure

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Braidwood Station Units 1 and 2  
Auxiliary Building Vent Stack  
Wide Range Noble Gas Monitor  
Inoperable for Greater than 7 Days

Description

On August 7, 1992 at 1100 hours, the Unit 2 Auxiliary Building Vent Stack Wide Range Noble Gas Monitor, 2PR30J, was declared inoperable due to its inability to pass a source check. Technical Specification 3.3.3.6 Limiting Condition for Operation Action (c) was entered for both units since Technical Specification 3.3.3.6 requires one operable wide range noble gas monitor per Auxiliary Building Vent Stack.

Cause of the Inoperability

The cause of the inoperability was determined to be the failure of the high voltage power supply.

Action Taken

Nuclear Work Request (NWR) A56228 was initiated on August 7, 1992 to repair 2PR30J. After initial troubleshooting in the field, the high voltage power supply and detector for the 2PR30J were replaced, but the problem persisted. Continued troubleshooting in the field indicated that the new detector was bad; however, there were no more detectors in stock. The equipment was taken to the Instrument Maintenance Department shop where continued troubleshooting determined that it was the new high voltage power supply that was bad. The high voltage power supply was replaced for the second time, and then the equipment performed satisfactorily. The original detector was reinstalled and the equipment continued to perform satisfactorily. The difficulty in identifying the failed component caused the repair to exceed the 7 day allowed outage time.

During the period of time, 2PR30J was inoperable, the Unit 2 Auxiliary Building Vent Stack flow was continuously monitored by the Unit 2 Auxiliary Building Vent Stack Effluent Monitor, 2PR28J.

Plans and Schedule for Restoring the Channel to Operable Status

2PR30J was restored to operable status August 17, 1992 at 2130 hours.