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September 16, 1986

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

Subject: Braidwood Station Units 1 and 2
NRC Docket Nos. 50-456 and 50-457
Proposed Technical Specification
for High Energy Line Break
(HELB) Isolation Sensors

Dear Mr. Denton:

Enclosed in Attachment A, please find a proposed Technical Specification for the High Energy Line Break (HELB) Isolation Sensors.

This specification has been reviewed in accordance with Commonwealth Edison Company procedures by both on-site and off-site review and is being submitted for inclusion in the Braidwood Final Draft Tech Specs. This specification, if found to be acceptable, should be included in 3/4.3 (Instrumentation) of Braidwood tech specs in the section preceding chlorine detection instrumentation.

A separate submittal will follow for Byron Station via a license amendment Facility Operating License, NPF-37, Appendix A.

Please direct any questions you may have regarding this matter to this office.

One signed original and attachment is being transmitted for your use along with fifteen (15) copies.

Very truly yours,

I. M. Johnson
Nuclear Licensing Administrator

/klj
encl.

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cc: J. Stevens
Resident Inspector-Braidwood
2125K

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ATTACHMENT A

"Proposed Technical Specification for Braidwood
Station Units 1 and 2 High Energy Line
Break (HEL) Isolation Sensors"

INSTRUMENTATION

HIGH ENERGY LINE BREAK ISOLATION SENSORS

LIMITING CONDITION FOR OPERATION

3.3.3.11 The high energy line break instrumentation ^{shown} listed in Table 3.3-14 shall be OPERABLE.

APPLICABILITY: As ^{shown} noted in Table 3.3-14

ACTION:

a. With the number of OPERABLE ^{auxiliary steam} electric-steam boiler isolation instruments less than required by Table 3.3-14, restore the inoperable instrument(s) to OPERABLE status within 7 days, or suspend ~~operation of the electric-steam boiler~~ until the inoperable sensors are restored to OPERABLE status.

the minimum Channels OPERABLE as

b. With the number of OPERABLE steam generator blowdown line isolation instruments ~~on isolation line isolation instruments~~ less than required by Table 3.3-14, restore the inoperable instrument(s) to OPERABLE status within 7 days OR, limit the total steam generator blowdown flow rate to less than or equal to 60 gpm or establish a continuous watch in the affected area(s) until the inoperable sensors are restored to OPERABLE status.

the minimum Channels OPERABLE as

c. The provisions of Specifications 3.0.3 and 3.0.4 are not applicable.

SURVEILLANCE REQUIREMENTS

4.3.3.12 Each of the above high energy line break isolation instruments shall be demonstrated OPERABLE by the performance of an ANALOG CHANNEL OPERATIONAL TEST at least once per 12 months.

1 ANALOG CHANNEL OPERATIONAL TEST

the supply of auxiliary steam to the Auxiliary Building, or establish a continuous watch in the affected area(s)

AFTER 3/4 3.3.10 on page 3 3/4 3.7
INSERT FOR ~~3 3/4 3.8~~

11
3/4.3.3.12 HIGH ENERGY LINE BREAK ISOLATION SENSORS

OPERABILITY

The operability of the high energy line break isolation sensors ensures that the capability is available to promptly detect and initiate protective action in the event of a line break. This capability is required to prevent damage to safety-related systems and structures in the auxiliary building.

the potential for

Table 3.3-14

High-Energy Line Break Instrumentation

<u>Isolation Function</u>	<u>Instrument Channel</u>	<u>Minimum Channels Operable</u>	<u>Applicable Modes</u>	
1. Auxiliary Steam Isolation	OTS-AS031A OTS-AS032A	1	*	
	OTS-AS031B OTS-AS032B	1	*	
	OTS-AS031C OTS-AS032C	1	*	
	OTS-AS031D OTS-AS032D	1	*	
	OTS-AS031E OTS-AS032E	1	*	
	OTS-AS031F OTS-AS032F	1	*	
	2. Steam Generator Blowdown Line Isolation	TS-SD045A TS-SD045B	1	1,2,3,4
		TS-SD046A TS-SD046B	1	1,2,3,4
		TS-SD045C TS-SD045D	1	1,2,3,4
		TS-SD046C TS-SD046D	1	1,2,3,4

* Required when auxiliary steam is being supplied from any source to the auxiliary building.